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ABSTRACT

Primary intended users of this second volume of a two-volume handbook are professional counselors and placement officers involved in expanding the range of jobs available to persons having only basic cognitive skills (e.g., mentally retarded, slow learners, learning disabled). Summary job requirements information is presented for more than 8,000 occupations selected from the more than 14,000 occupations listed in the third edition of the "Dictionary of Occupational Titles" (DOT). The information is intended to support the counseling and placement actions suggested in volume 1. Each of the occupations included has been judged by analysts to have requirements not in excess of an eighth grade level of educational development. Each occupation has also been judged for the purpose of determining the level of mental processing required on inputs from sensory modes--sight, audition, touch/kinesthesis, taste, and smell. None are expected to require more than one year of specific vocational preparation. Many included have far less rigorous demands than these. Content is structured on the basis of DOT classification. Nine major occupational categories are included: (1) professional, technical, and managerial occupations, (2) clerical and sales, (3) service, (4) farming, fishing, forestry, and related, (5) processing, (6) machine trades, (7) bench work, (8) structural work, and (9) miscellaneous. (JT)

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JOB COUNSELING AND PLACEMENT FOR THE USE OF BASIC SKILLS

Volume 2: JOBS

U S DEPARTMENT OF HEALTH
EDUCATION & WELFARE
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CE 013 832

JULY 1977

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INTRODUCTION

INTRODUCTION

CONTEXT AND CONTENT OF VOLUME 2

Volume 2 provides summary job requirements information for more than eight thousand occupations selected from the more than fourteen thousand occupations listed in the *Third Edition of the Dictionary of Occupational Titles* (DOT).[1,2] This information is intended to support the counseling and placement actions suggested in Volume 1.

Each of the occupations included has been judged by analysts of the North Carolina State University[3] to have requirements not in excess of an eighth grade level of educational development. That is, none of the occupations presented should impose requirements for reasoning development beyond an ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagrammatic form, nor beyond an ability to deal with problems involving concrete variables in or from standardized situations. Each occupation has also been judged by analysts for the purpose of determining the level of mental processing required on inputs from sensory modes--sight, audition, touch/kinesthesis, taste, and smell.[4] Additionally, each occupation included has been judged by personnel of the U. S. Department of Labor to require no more than one year of specific vocational preparation. Many of the occupations listed make far less rigorous demands than these.

The content of this volume is structured on the basis of the occupational classifications employed in the DOT. Nine major Occupational Categories are included, as shown in Figure 1.

---

[1] United States Department of Labor, Employment and Training Administration (formerly Manpower Administration), Bureau of Employment Security. *Dictionary of occupational titles, definitions of titles.* (Volume I, Third Edition.) Washington, D. C. U. S. Government Printing Office (GPO#0-520-145), 1965.

[2] United States Department of Labor, Employment and Training Administration (formerly Manpower Administration), Bureau of Employment Security. *Dictionary of occupational titles, occupational classification and industry index.* (Volume II, Third Edition.) Washington, D. C. U. S. Government Printing Office (GPO#0-690-377), 1965a.

[3] Cunningham, J. W., Slonaker, D. F., Heath, W. D., III & Hamer, R. M. *Estimated requirements of occupations. Educational development, specific vocational preparation, physical demands, and working conditions* Raleigh, North Carolina State University, 1974.

[4] These analyses were performed by members of the project staff of Synectics Corporation. Occupations requiring the manipulation of sensory-derived information for significant comparison or discrimination of information were judged to have a significant perceptual processing requirement. Occupations without such a processing requirement, even though they required sensory input, were judged to have no significant perceptual processing requirement.

CODE	MAJOR OCCUPATIONAL CATEGORY
0-1	Professional Technical, and Managerial Occupations
2	Clerical and Sales Occupations
3	Service Occupations
4	Farming, Fishing, Forestry, and Related Occupations
5	Processing Occupations
6	Machine Trades Occupations
7	Bench Work Occupations
8	Structural Work Occupations
9	Miscellaneous Occupations

Figure 1. Major DOT Occupational Categories

OCCUPATIONAL TITLES AND DATA

DOT CODES

In the DOT, occupations have been number-coded into a classification structure in which individual occupations are identified by a series of nine digits. The end result is that each unique occupation has a unique DOT code number. DOT codes are structured on the following basis:

- First three digits. The first three digits identify the occupational category, division, and group, in a hierarchical fashion. As shown in Figure 2, the first digit identifies the nine major occupational classifications previously identified. The first two digits identify a division of occupations within the major occupational category. The first three digits identify a subgroup of occupations within the two-digit divisional classification. The third digit of the code is followed by a period (.).

DOT CLASSIFICATION LEVEL	CODE	SPECIFIC CLASSIFICATION
Occupational Category	2	Clerical and Sales Occupations
Occupational Division	20	Stenography, typing, filing, and related occupations
Occupational Group	207	Duplicating machine work

Figure 2. Demonstration of the Structure of the First Three Digits of the DOT Code

Second three digits. These digits characterize the worker functions associated with the occupational title. The first digit relates to functions associated with data; the second digit relates to functions associated with people; and the third digit relates to functions associated with things. Figure 3 provides the code definitions for the second three digits of the DOT code. The sixth digit is followed by a dash (-), as for example: 207.885-.

DATA (4th digit)	PEOPLE (5th digit)	THINGS (6th digit)
0 Synthesizing	0 Mentoring	0 Setting-Up
1 Coordinating	1 Negotiating	1 Precision Working
2 Analyzing	2 Instructing	2 Operating/Controlling
3 Compiling	3 Supervising	3 Driving/Operating
4 Computing	4 Diverting	4 Manipulating
5 Copying	5 Persuading	5 Tending
6 Comparing	6 Speaking/Signaling	6 Feeding/Offbearing
7, 8 No significant relationship	7 Serving	7 Handling
	8 No significant relationship	8 No significant relationship

Figure 3. DOT Worker Function Codes

Last three digits. The last three digits of the DOT code from a suffix code used to differentiate among occupational titles with the first same six digits. These codes normally start at 010 and progress in intervals of four to whatever level is required to uniquely identify the set of occupational titles, as shown in Figure 4.

COMPLETE DOT CODE	SPECIFIC OCCUPATIONAL TITLE [5]
207.885-010	Duplicating machine operator
207.885-014	Photographic machine operator
207.885-018	Stencil-cutter operator

Figure 4. Example of a Series of Complete DOT Codes and Occupational Titles

[5] Occupational titles presented in this volume have been revised in accordance with Job Title Revisions to Eliminate Sex- and Age-Referent Language from the *Dictionary of Occupational Titles*, Third Edition. U. S. Department of Labor. 1975. (U. S. Government Printing Office 573-334 1975)

Within the remainder of this volume of the handbook, occupations are listed within this DOT occupational title structure. Detailed descriptions of occupations are presented in Volume I of the DOT. Additional information about the worker functions (also identified as the worker trait groups) is presented in Volume II of the DOT. Counselors and placement officers will find this information particularly useful in determining whether or not a specific job is appropriate for a given client.

ADDITIONAL JOB REQUIREMENTS INFORMATION

Each of the occupations listed in this volume is further classified on the basis of the following standard set of information:

- ✓ Cognitive Requirements
- ✓ Industry Designator
- ✓ Human Relations Requirements
- ✓ Reasoning Development Level
- ✓ Psychomotor Requirements
- ✓ Specific Vocational Preparation
- ✓ Physical Demands
- ✓ Working Conditions

The format for presentation of this information is shown in Figure 5. Each of these categories is described in the paragraphs which follow:

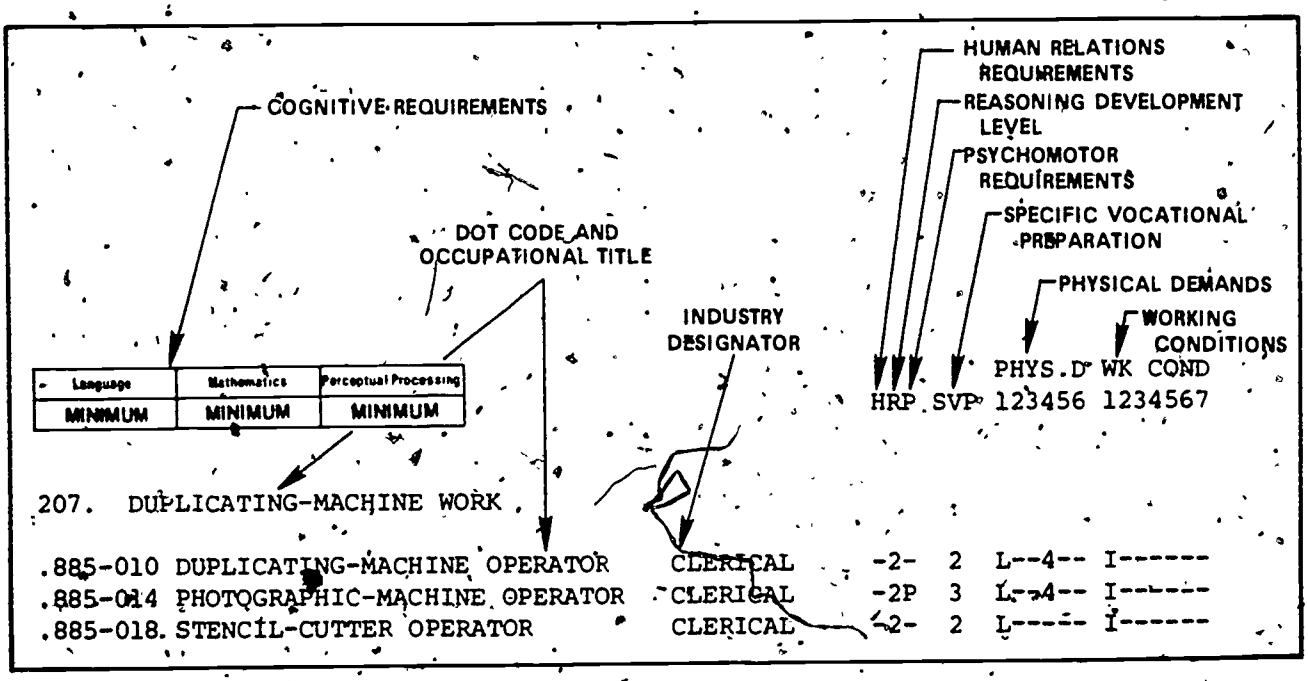


Figure 5. Volume 2 Format of Summary Job Requirements Information

Cognitive Requirements. Three types of cognitive requirements are recognized at two levels, MINIMUM and MODERATE.

Language requirements. A MINIMUM language requirement indicates that not more than reading, speaking, and printing simple sentences containing subject, verb, and object using present and past tenses is required. Most jobs with a MINIMUM language requirement do not make demands to the level described. Typical language requirements of these jobs are: learning job duties from oral instructions or from demonstration, and writing or copying identifying information such as the name of a customer.

A MODERATE language requirement indicates that not more than selective reading of textbooks and other materials to extract an essential theme or idea, composing reports with proper grammar and spelling, using proper format, and preparing neat papers is required. Occupations with MODERATE language demands impose comprehension and expression requirements of a level to: file, post, and mail such materials as checks, receipts, and bills; conduct interviews to obtain and record data for surveys or studies.

To determine specific language requirements of a given job, refer to that specific job description in Volume I of the DOT. For additional information about language capabilities and how to determine the extent of language capabilities clients possess, see pages 18 and 19 of Volume 1 of this handbook.

Mathematics requirements. A MINIMUM mathematics requirement indicates that not more than counting, addition and subtraction of two-place numbers, and familiarity with standard units of measurement and with basic measuring equipment such as clocks, rulers, and scales is required. Most jobs with a MINIMUM mathematics requirement do not make demands to the level described. Typical mathematics requirements of these jobs are: reading and copying of figures; counting and recording; and simple addition and subtraction.

A MODERATE mathematics requirement indicates that not more than computing discounts, interest, percentage, surface areas, values, and weights and measures using the four basic arithmetic operations is required. Occupations with MODERATE mathematics demands most frequently require making calculations involving fractions, decimals, and percentages.

To determine specific mathematics requirements of a given job, refer to that specific job description in Volume I of the DOT. For additional information about mathematics capabilities and how to determine the extent of mathematics capabilities clients possess, see pages 19 through 21 of Volume 1 of this handbook.

Perceptual processing requirements. A MINIMUM perceptual processing requirement indicates that the ability to detect sensory information may be required through one or a variety of sense modes, but the ability to manipulate that information to make comparisons or discriminations about those sensory inputs is not required to any significant extent. Examples of MIMIMUM perceptual processing requirements are: detect and remove cracked eggs; interpret telephone signals such as "dial tone," "busy signal, or "ringing" signal.

A MODERATE perceptual processing requirement indicates that in addition to the ability to detect sensory information, the ability to manipulate that information to make comparisons or discriminations is required to a significant extent. MODERATE perceptual processing requirements are indicated for such activities as: appraising the value of used cars; comprehending two-dimensional representations of three-dimensional objects; and tuning a musical instrument.

To determine specific perceptual processing requirements of a given job, refer to that specific job description in Volume I of the DOT. For additional information about perceptual processing capabilities and how to determine the extent of perceptual processing capabilities clients possess, see pages 21 and 22 of Volume 1 of this handbook.

The cognitive requirements of jobs have been used as a significant part of the job listing structure employed here. Within a given set of occupational groups, jobs are listed sequentially in the cognitive requirements structure shown in Figure 6.

Industry Designator. The type of industry, business or work situation in which a particular occupation is found is provided for each occupational title listed. This is useful information to counselors and placement officers in identifying appropriate employment opportunities on the basis of local industries and businesses.

Human Relations Capabilities. These capabilities refer to those people-to-people interactions encountered in the job situation. They refer primarily to situations requiring:

- Sales or persuasion--facilitating persuasive interactions within established limits.
- Service--interaction which is oriented toward recognition of and responsiveness to client/customer needs or objectives.
- Communications--sensitivity and responsiveness to the receptivity and motivation of others.

COGNITIVE REQUIREMENTS	REQUIREMENTS KEY
Jobs with no significant cognitive requirements.	Language: MINIMUM; Mathematics: MINIMUM; Perceptual Processing: MINIMUM
Jobs with significant requirements for language capabilities only.	Language: MODERATE; Mathematics: MINIMUM; Perceptual Processing: MINIMUM
Jobs with significant requirements for mathematics capabilities only.	Language: MINIMUM; Mathematics: MODERATE; Perceptual Processing: MINIMUM
Jobs with significant requirements for perceptual processing capabilities only.	Language: MINIMUM; Mathematics: MINIMUM; Perceptual Processing: MODERATE
Jobs with significant requirements for both language and mathematics capabilities.	Language: MODERATE; Mathematics: MODERATE; Perceptual Processing: MINIMUM
Jobs with significant requirements for both language and perceptual processing capabilities.	Language: MODERATE; Mathematics: MINIMUM; Perceptual Processing: MODERATE
Jobs with significant requirements for both mathematics and perceptual processing capabilities.	Language: MINIMUM; Mathematics: MODERATE; Perceptual Processing: MODERATE
Jobs with significant requirements for all three cognitive capabilities--language, mathematics, and perceptual processing.	Language: MODERATE; Mathematics: MODERATE; Perceptual Processing: MODERATE

Figure 6. Volume 2 Cognitive Requirements Structure

For a fuller description of the relationship of these capabilities to other social capabilities and other types of job activities, see pages 25 and 26 of Volume 1 of this handbook.

As shown in Figure 5, when there is a job requirement for significant demonstration of these capabilities, the letter "H" appears in the column labeled "H." Otherwise, a dash (-) appears, indicating that there is no significant human relations capability required.

✓ Reasoning Development Level. Three levels of reasoning development are associated with the jobs selected for clients with limited cognitive skills:

- Level 1--job situations requiring no more than common sense understanding to carry out simple one- or two-step instructions, or to deal with standardized situations with occasional or no variation from those situations.

- Level 2--job situations requiring no more than common sense understanding to carry out detailed but uninvolved written or oral instructions, or to deal with problems

involving only a few concrete variables in or from standardized situations.

- Level 3--job situations requiring no more than common sense understanding to carry out instructions furnished in written, oral, or diagrammatic form, or to deal with problems involving several concrete variables in or from standardized situations.

The level of Reasoning Development required is indicated by the Number "1," "2," or "3" in the column labeled "R." For additional information about reasoning development level and how to determine the extent of reasoning capability clients possess, see pages 22 and 23 of Volume 1 of this handbook.

Psychomotor Requirements. Four types of psychomotor capabilities may be associated with the jobs selected for inclusion here:

- Basic motor coordination--the ability to move hands or fingers rapidly.
- Finger and/or hand dexterity--the ability to manipulate the hands and fingers easily and skillfully to accurately manipulate small objects.
- Refined control operations--capabilities for precision control using the larger muscles of the arm-hand or leg-foot; multilimb coordination; rate control to make continuous motor adjustment to changes in speed and/or direction of a moving target; and response orientation, involving the selection of the proper movement in reaction to suddenly appearing sensory patterns.
- Reaction speed and steadiness--capability to give a fast, nearly automatic reaction to a stimulus; capability to provide arm-hand steadiness.

When there is a job requirement for significant demonstration of psychomotor capabilities, the letter "P" appears in the column labeled "P." If there is no significant requirement for psychomotor capability, a dash (-) appears in the "P" column, as shown in Figure 5.

For additional information about psychomotor capabilities--how they relate to job performance and how they can be determined for individual clients, see pages 29 and 30 of Volume 1 of this handbook. To determine specific psychomotor requirements of a given job, refer to that specific job description in Volume I of the DOT.

Specific Vocational Preparation (SVP). The SVP indicates the level of training required for job performance. Occupations included here are restricted to no more than one year of training, and many require much less--a short demonstration, for example. Figure 7 provides definitions of the codes used to indicate the level of training required for a specific job. For each occupational title listed, one of these codes appears in the column labeled "SVP."

CODE	SPECIFIC VOCATIONAL PREPARATION
1	Short demonstration only
2	Anything beyond short demonstration up to and including 30 days
3	Over 30 days up to and including three months
4	Over three months up to and including six months
5	Over six months up to and including one year

Figure 7. Codes for Specific Vocational Preparation (SVP)

Physical Demands. Information about physical demands associated with a job are also provided within the job requirements information. The codes used to provide these indications are shown in Figure 8. To determine specific physical demands of a given job, refer to that specific job description in Volume I of the DOT.

COLUMN HEADING	FACTOR	CODE ENTRY	MEANING
1	Lifting, carrying, pushing, and/or pulling (strength)	S	Sedentary work
		L	Light work
		M	Medium work
		H	Heavy work
		V	Very heavy work
2	Climbing and/or balancing	2	A numerical entry indicates a significant demand relating to the factor. A hyphen (–) indicates no special or significant demand.
3	Stooping, kneeling, crouching, and/or crawling	3	
4	Reaching, handling, fingering, and/or feeling	4	
5	Talking and/or hearing	5	
6	Seeing	6	

Figure 8. Codes for Physical Demands

✓ Working Conditions. The last job requirements information presented for each occupational title refers to the working conditions encountered in carrying out that job. The codes used to describe these conditions are presented in Figure 9. For further explanation of the associated working conditions, see each individual job description in Volume I of the DOT.

COLUMN HEADING	FACTOR	CODE ENTRY	MEANING
1	Inside, outside, or both	I	Inside
		O	Outside
		B	Both
2	Extremes of cold	2	A numerical entry indicates that the factor is significantly present in the work environment. A hyphen (—) indicates that the factor is not significantly present in the environment.
3	Extremes of heat	3	
4	Wet and humid	4	
5	Noise and vibration	5	
6	Hazards	6	
7	Fumes, odors, toxic conditions, dust, poor ventilation	7	

Figure 9. Codes for Working Conditions

OCCUPATIONAL AREA DESCRIPTIONS

The DOT occupational title code structure of Category, Division, and Group has been used to provide sets of jobs having similar requirements and industry types. For each such occupational area, a descriptive text precedes the listing of the individual occupational titles. A standard format for presentation of information covers the following information types in each sequential paragraph:

✓ Identification of the types of activities or functions included.

✓ Identification of the cognitive requirements of the occupational titles, or sets of these, as appropriate. Typical types of activities and functions requiring specific cognitive capabilities are highlighted.

✓ Other job performance requirements relating to specific knowledges, physical capacities, human interaction requirements, and psychomotor requirements. Types of occupations or situations in which these capabilities may be required are identified.

- Career implications of the set of occupational titles included as they relate to each other or to other sets of occupational titles.

Figure 10 provides an overview of the occupational areas included in the remainder of this volume and the concentration of cognitive and extra-cognitive demands found within those areas.[6] Different tones of shading have been used to indicate the varying levels of concentrations of job opportunities. For cognitive demands, these shadings indicate that within a given combination of cognitive demands there are "no jobs listed," "some jobs listed," or "many jobs listed." For extra-cognitive demands, opportunities are classified as typically requiring "low," "intermediate," or "high" psychomotor requirements, interactions with physical objects, contact with people, or frequency of set routines.

Figure 10 can be used by counselors and placement officers to make an initial screening of occupational areas of interest to a client--to determine the likelihood of finding occupations which are within the client capabilities. Once a promising area is found, exploration of specific occupations and associated requirements can be undertaken to find a specific job opportunity fitting the client characteristics.

[6] There are few opportunities for persons with limited cognitive skills in the DOT category of Professional, Technical, and Managerial Occupations (Code 0-1). Consequently, no analysis of this category is presented in Figure 10.

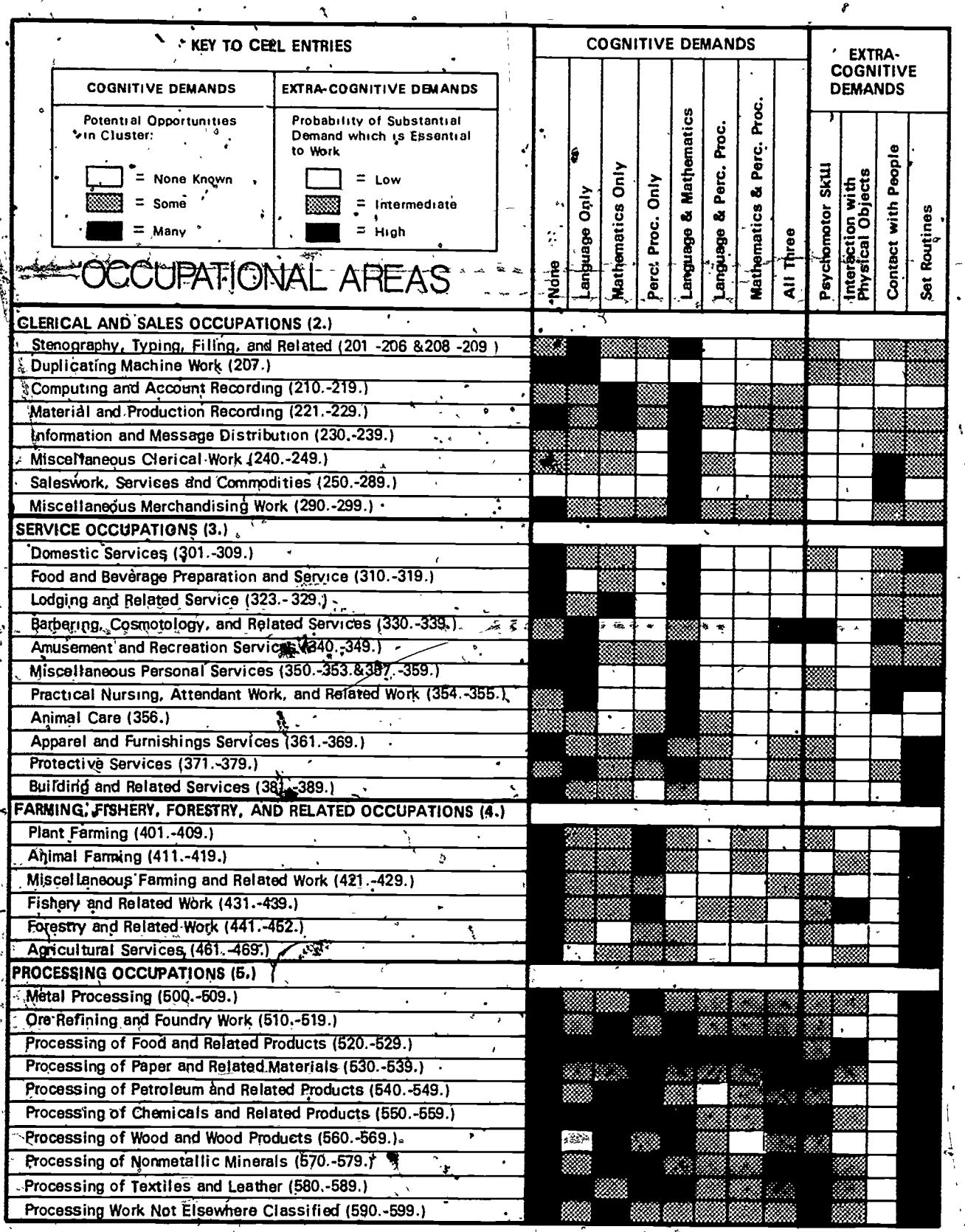
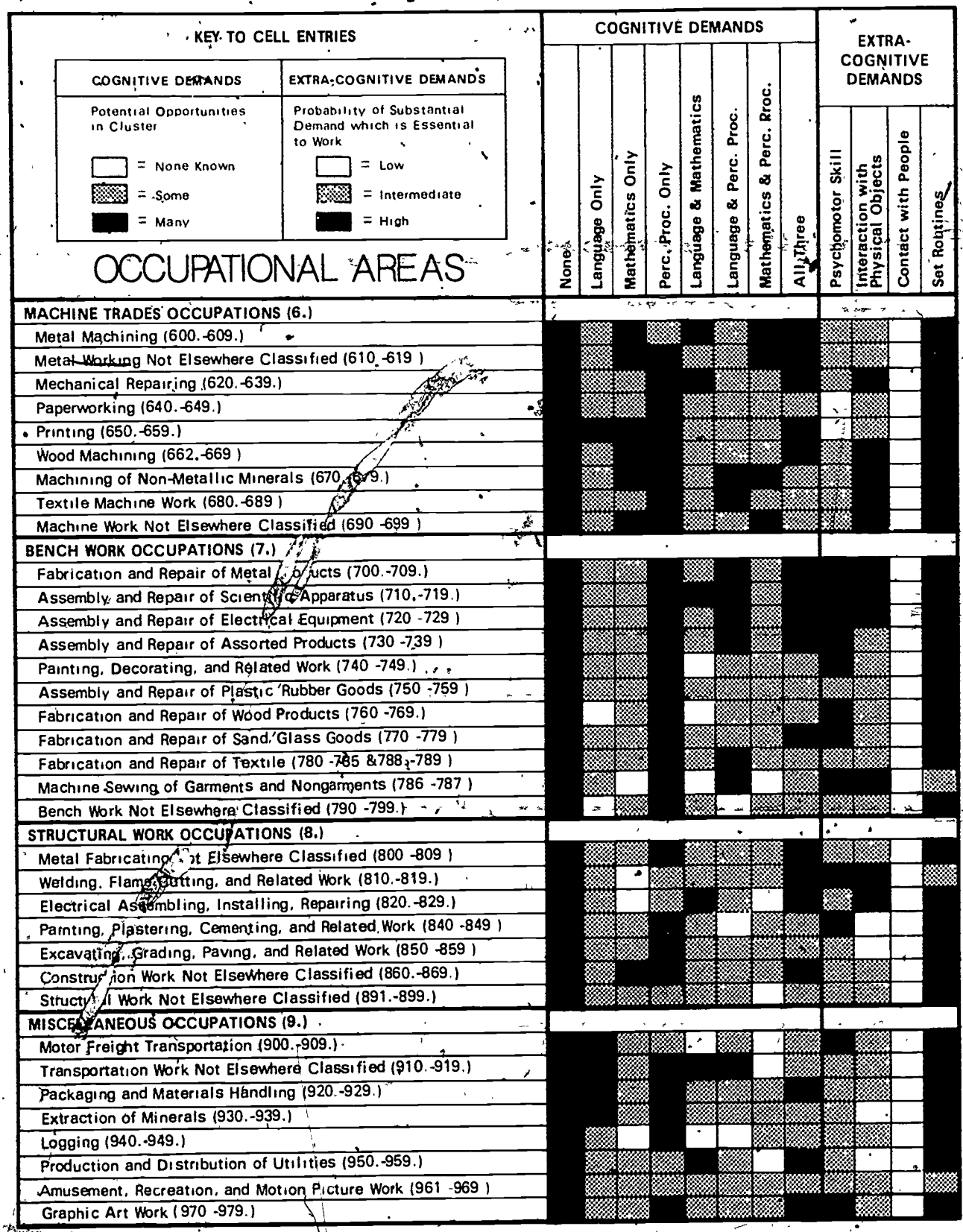


Figure 10. Occupational Areas X Profiles of Cognitive and Extra-cognitive Demands

Figure 10. (Continued)



OCCUPATIONAL AREAS--DESCRIPTIONS AND INDIVIDUAL OCCUPATIONAL TITLES

(O.1.) PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

OCCUPATIONAL AREAS--DESCRIPTIONS AND INDIVIDUAL OCCUPATIONAL TITLES

(0.1) PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

Occupations in this area are characterized by "helper" and support positions in a variety of professional, technical, and managerial career fields. There are, however, a limited number of occupations which provide opportunities for independent and unsupervised work activity.

Of the relatively small number of occupations provided, most have a requirement for a moderate level of cognitive skill in language and mathematics. Language requirements derive from such activities as reviewing and preparing index cards for microfilm, preparing notices for mailing to "overdue" patrons, interpreting written specifications, preparing notes and other forms of documentation, and maintaining filing systems for written materials of various types. Mathematics demands stem from such activities as measuring or weighing objects, calculating shipping costs from height and girth data, preparing purchase orders for materials and supplies to maintain a specified inventory, and determining an appropriate shutter speed and lens opening for a given light meter reading and film speed.

Approximately half of the occupations in this area have a requirement for substantial human interaction, most often with regard to dealing with the general public or with respect to closely coordinated teamwork activities involving co-workers.

The increasing use of automated devices for monitoring and recording data is likely to have an adverse impact upon the number of jobs available over future years. Additionally, stiff competition for jobs can be expected because many of the occupations identified here are utilized as entry-level positions for persons with the advanced skills and educational background necessary for journey-level positions in professional, technical, and managerial fields.

PHYS.D WK COND
HRP SVP 123456 1234567

018. SURVEYING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 SURVEYOR HELPER, CHAIN	ANY ~~IND~~	H3P 4 L-34-6 O------
.687-014 LIGHTKEEPER TRIANGULATION	ANY IND	H3P 3 L-34-6 O------
.587-010 SURVEYOR HELPER, ROD	ANY IND	H3P 4 L-34-- O------

PHYS.D WK COND
GHRP SVP 123456 1234567

024. GEOLOGY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-010 PALEONTOLOGICAL HELPER — PETROL PRODU -2- 4 L--4-- I--4---

049. LIFE SCIENCES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-010 BIOLOGICAL AID — AGRIC H3- 4 M----- B------
.384-014 FEED-RESEARCH AID — GRAIN / FEED -3- 4 M--4-- B-----7

074. PHARMACY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010 PHARMACY HELPER — MEDICAL SER H3P 3 L--4-- I--4---

078. MEDICAL AND DENTAL TECHNOLOGY

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.687-010 LABORATORY ASSISTANT PLASMA DR — DRUG PREP -3- 2 M--4-6 I------

079. MEDICINE AND HEALTH, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.588-010 DIE CLERK — MEDICAL SER -2- 3 S--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-026 OCCUPATIONAL THERAPY AID — MEDICAL SER H3P 5 L--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.368-030 X-RAY CLERK — MEDICAL SER H3- 5 L--4-- I------

109. MUSEUM, LIBRARY, AND ARCHIVAL SCIENCES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 PAGE — LIBRARY -3- 2 L-34-- S------
.388-010 RECORD-PROGRAM SELECTOR — ANY IND H3- 5 S---5- I------
.368-010 BOOKMOBILE DRIVER — LIBRARY H3- 3 L--456 I------
.368-014 REGISTRATION CLERK — LIBRARY H3- 5 L--45- I------

142. DESIGNING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.081-026 CREST-PATTERN MAKER AND SEWER TRIM / STAMP -3P 5 L--4-6 I------

143. PHOTOGRAPHY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.867-010 PHOTO-MACHINE OPERATOR MINIATU PER SER -3- 3 L--456 I------
.858-010 PHOTOGRAPHER AMUSE./ REC H3P 3 L--456 I------
.858-014 PHOTOGRAPHER STREET PER SER H3P 2 L--4-- O------

162. PURCHASING MANAGEMENT

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.158-114 SECOND-HAND FURNITURE DEALER RET TR WHOLE H2- 5 L--456 I------

168. INSPECTING AND INVESTIGATING, MANAGERIAL AND PUBLIC SERVICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 LOADING INSPECTOR RR TRANS -3- 3 L2---- B------
.688-014 PERISHABLE-FREIGHT INSPECTOR R.R. TRANS. -3- 3 L----- B------
.487-010 INSPECTOR MICA GOV SER -3- 4 L--4-6 I------

187. SERVICE INDUSTRY MANAGEMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.168-142 MANAGER STORAGE GARAGE AUTO SER H3- 1 L---5- I------

191. BUSINESS RELATIONS WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 MATERIAL-AND-EQUIPMENT CLASSIF GOV SER -3- 4 L--4-6 B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.368-010 PERSONAL PROPERTY ASSESSOR GOV SER H3- 3 L---56 I------

PHYS.D WK COND.
HRP SVP 123456 1234567

194. SOUND RECORDING, TRANSCRIBING, AND REPRODUCING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-018 TAPE DUPLICATOR PHONOGRAPH -3- 5 L--4-6 I------

199. MISCELLANEOUS PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 DEGONTAMINATOR ANY IND -3- 4 M--4-6 I--4-67

(2.) CLERICAL AND SALES OCCUPATIONS

(2.) CLERICAL AND SALES OCCUPATIONS

STENOGRAPHY, TYPING, FILING, AND RELATED OCCUPATIONS (201.-206. & 208.-209.)

Occupations in this area have duties such as entering, posting, and checking verbal information on ledgers, stocklists, and similar standardized record forms; gathering information together; classifying, sorting, and filing correspondence, account records, business forms and related data; proofing text; taking notes; and following verbal instructions. The majority of jobs do not require the creation of textual information since such duties usually involve language demands greater than those included within this handbook. Occupations included here are primarily concentrated on the transcription of information or the entry of standard data elements.

Almost all of the occupations in this area demand at least a moderate level of language development. A substantial proportion of the jobs have moderate mathematics demands in addition to the language demands. Mathematics demands derive largely from the processing of records which require mathematical manipulation or computation.

Typing and other keyboard-entry tasks are common in this occupational area. Increasing application of electronic data processing is reducing the demand for computational skills but increasing the demand for modest finger dexterity and eye-hand coordination because of the increasing use of keyboard entry devices.

The potential for advancement is usually good for workers who continue to develop job skills. In addition to the trend toward increased electronic processing of numerical data, a major trend is toward the application of computer and related technologies to text processing. Workers capable of working with the equipment and procedures that derive from such technology will have special opportunities.

202. STENOGRAPHY

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP SVP	123456	1234567
.388-022	STENOTYPE OPERATOR	CLERICAL	-3P 5	S--456	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-014	STENOGRAPHER	CLERICAL	-3P 5	S--456	I------
.388-018	STENOGRAPHER, PRINT SHOP	PRINT. / PUB	-3P 5	S--456	I------

			HRP	SVP	PHYS.D WK COND 123456 1234567
203. TYPING					
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MINIMUM					
.588-010 PERFORATOR TYPIST	CLERICAL		-3P	4	S--4-6 I------
.588-014 TELEGRAPHIC-TYPEWRITER OPERATO	CLERICAL		-3P	4	S--4-6 I------
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MINIMUM					
.588-018 TYPIST	CLERICAL		-3P	3	S--4-6 I------
.588-022 WIRES-TRANSFER CLERK	BANKING		-3P	4	S--45- I------
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MODERATE					
.582-010 VARI-TYPIST	CLERICAL		-3P	4	S--4-6 I------
204. CORRESPONDENCE WORK					
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MINIMUM					
.388-010 CORRESPONDENCE-REVIEW CLERK	CLERICAL		-3P	5	S--4-- I------
205. PERSONNEL WORK					
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MINIMUM					
.368-018 IDENTIFICATION CLERK	CLERICAL		H3-	3	S--456 I------
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MINIMUM					
.388-010 CIVIL-SERVICE CLERK	GOV SER		-3P	3	S--4-- I------
.368-030 SOCIAL SECURITY CLERK	CLERICAL		H3-	5	S--45- I------
206. FILING					
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MINIMUM					
.388-014 CUT-FILE CLERK	PRINT / PUB		-3-	4	L--4-- I------
.388-018 FILE CLERK	CLERICAL		-3-	3	L-34-- I------
.388-022 FILE CLERK	CLERICAL		-3-	5	L-34-6 I------
.388-030 LIBRARIAN	PRINT / PUB		-3-	4	L-34-6 I------
.388-034 RECORD CLERK	CLERICAL		-3-	3	L-34-- I------
MOD MOD MIN					
.588-010 BRAND RECORDER	GOV SER		-3-	4	S----6 I------
.388-010 CLASSIFICATION CLERK	CLERICAL		-3-	3	L----6 I------
.388-038 RECORDS CUSTODIAN	BANKING		-3-	5	M-34-6 I------

208. MISCELLANEOUS OFFICE MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 MICROFILM MOUNTER — ANY IND -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 EMBOSSING-MACHINE OPERATOR — CLERICAL -3P 4 S--4-6 I------
.782-014 EMBOSSING-MACHINE OPERATOR — CLERICAL -3P 4 S--4-6 I------
.782-022 TICKET MACHINE OPERATOR — CLERICAL -3- 5 M--4-6 I-3--6-
.588-010 BRAILLE-MACHINE OPERATOR — PRINT / PUB -3P 5 L--4-6 I------
.588-018 PHOTOCOMPOSING-MACHINE PERFORA — PRINT / PUB -3P 5 S--4-6 I------
.588-022 TELAUTOGRAPH OPERATOR — CLERICAL -3P 3 S--4-- I------
.588-026 TRANSCRIBING-MACHINE OPERATOR — CLERICAL -3P 4 S--456 I------
.588-030 TYPESETTER-PERFORATOR OPERATOR — PRINT / PUB -3P 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 COLLATOR OPERATOR — CLERICAL -2- 2 L--4-- I------

209. STENOGRAPHY, TYPING, FILING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.688-022 DISPLAY-DESK CLERK — PRINT / PUB -3- 4 S--4-- I------
.688-030 ORDER CALLER — CLERICAL -2- 2 S---56 I------
.688-034 PROOFREADER — PRINT / PUB -3- 4 S--4-6 I------
.688-038 REVIEWER — INSURANCE -3- 4 S------ I------
.687-010 ADDRESS-PLATE INSERTER — CLERICAL -2- 2 L--4-- I------
.687-014 SLIP PULLER — BUS SER -2- 1 S--4-- I------
.588-010 ADDRESSER — CLERICAL -3- 3 S--4-- I------
.588-026 COPY HOLDER — CLERICAL -3- 4 S---56 I------
.588-030 CREDIT CARD CLERK — RET TR -3- 3 S--4-- I------
.588-042 LIBRARY CLERK TALKING BOOKS — LIBRARY -3- 2 L--4-- I------
.584-010 MORTICER — CLERICAL -3- 1 S--4-6 I------
.388-026 CONTINUITY CLERK — MOTION PIC -3P 5 S--4-- I------
.388-038 READER — BUS SER -3- 4 S------ I------
.368-010 CALL-OUT OPERATOR — BUS SER RET H3- 2 L---5- I------
.368-018 IN-FILE OPERATOR — BUS SER H3- 3 S--45- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.688-050 YARDAGE CALLER — TEXTILE -2- 2 L--45- I------

209. STENOGRAPHY, TYPING, FILING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

			PHYS.D	WK COND
			HRP SVP	123456 1234567
.688-014	CHECKER	CLERICAL	-3- 4	S--4-- I-------
.688-018	CHECKING CLERK	BANKING	-3- 4	S--4-- I-------
.688-026	METAL-RELEASE CLERK	NONFER METAL	-3- 4	L--4-- I-------
.688-042	SORTER	CLERICAL	-2- 3	S--4-- I-------
.588-014	CAR CHECKER	CLERICAL	-3- 2	S------ I-------
.588-018	CLERK GENERAL	CLERICAL	-3- 2	L--4-- I-------
.588-022	CONTACT CLERK	LIGHT HEAT	-3- 4	S--456 I-------
.588-034	CUSTOMER-CONTROL CLERK	CLERICAL	-3- 2	S------ I-------
.588-038	HISTORY-CARD CLERK	LIGHT HEAT	-3- 4	S--4-- I-------
.588-054	RETURN-TO-FACTORY CLERK	CLERICAL	-3- 3	L--4-- I-------
.588-058	ROUTING CLERK	BANKING	-3- 3	S--4-- I-------
.587-010	SAMPLE CLERK, PAPER	PAPER / PULP	-3- 3	M--4-- I---5--
.488-010	CIRCULATION CLERK	PRINT / PUB	H3P 5	S--4-6 I-------
.388-010	BORDEREAU CLERK	INSURANCE	-3P 4	S--4-6 I-------
.388-014	CANCELLATION CLERK	INSURANCE	-3P 5	S--4-- I-------
.388-018	CLASSIFIED-AD CLERK	PRINT. / PUB	-3- 5	S--4-6 I-------
.388-022	CLERK-TYPIST	CLERICAL	-3P 4	S--456 I-------
.388-034	MORTGAGE PROCESSING CLERK	CLERICAL	-3P 3	S--4-6 I-------
.388-042	REFERENCE CLERK	RET TR	H3- 4	S--45- I-------
.388-054	TITLE SEARCHER	REAL ESTATE	-3- 5	L--4-6 I-------
.368-010	JUSTOWRITER OPERATOR	BUS SER	H3- 5	M--4-- I-------

DUPLICATING MACHINE WORK (207.)

Separate occupations for duplicating with office copy machines are often broken off from other clerical occupations, especially in larger business and government offices. The number of occupational titles is small, but the number of positions available under each title is large.

Cognitive requirements are minimal for most of these jobs. In some instances, the need to read job requisitions or understand verbal instructions may introduce moderate language demands.

Mechanical capabilities can be a definite asset for setting up the registration of copy accommodating to different paper sizes and weights, machine cleaning and lubrication, and clearing of paper jams.

Opportunities to move into other areas of clerical work are relatively good if additional job skills are learned. Individuals with supervisory potential may be able to move into the management of reproduction units.

207.. DUPLICATING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-010	DUPLICATING-MAGHINE OPERATOR	CLERICAL	-2-	2	L--4-- I------
.885-014	PHOTOGRAPHIC-MACHINE OPERATOR	CLERICAL	-2P	3	L--4-- I------
.885-018	STENCIL-CUTTER OPERATOR	CLERICAL	-2-	2	L----- I------
.884-010	DUPLICATING-MACHINE OPERATOR	CLERICAL	-2P	2	L-34-- I------
.782-010	COPY OPERATOR	RR TRANS	-3P	4	S--4-6 I------
.782-014	DUPLICATING-MACHINE OPERATOR	CLERICAL	-3-	4	L-34-- I------
.782-018	DUPLICATING-MACHINE OPERATOR	CLERICAL	-3-	4	L--4-- I------
.782-022	MIMEOGRAPH OPERATOR	CLERICAL	-3-	4	L--4-- I------
.582-010	BRAILLE-DUPLICATING-MACHINE OP	CLERICAL	-3P	4	M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-026	OFFSET-DUPLICATING-MACHINE OPE	CLERICAL	-3-	5	L--4-6 I------
.782-030	TYPEWRITER OPERATOR AUTOMATIC	CLERICAL	-3P	4	S--4-6 I------

COMPUTING AND ACCOUNT RECORDING (210.-219.)

Occupations in this area are concerned with entry of financial transactions; handling checks, money orders, currency; bookkeeping; operating billing machines; and computing for business records.

Most occupations in this area demand a moderate level of mathematics capability and a large proportion of these occupations have moderate language demands. Language requirements most often pertain to the reading and writing of terminology relating to business and accounting functions.

The increasing application of electronic data processing is reducing the demand for computational skills but is increasing the demand for modest finger dexterity and eye-hand coordination because of the increasing use of keyboard-entry devices. About one-quarter of the occupations involve substantial interaction with the public or large numbers of fellow workers.

Major career opportunities tend to involve higher levels of cognitive achievement in supervision, new procedures design, programming, investigation of complaints and errors, and analysis of data.

210. BOOKKEEPING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP SVP	123456	1234567
.588-010	INSURANCE CLERK	CLERICAL	-3- 4	S-----	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010	CHART CALCULATOR	LIGHT HEAT	-3-	5	S--4-6 I------
.488-014	DIVIDEND-DEPOSIT-VOUCHER QUOTE	INSURANCE	-3-	3	S--4-6 I------
.388-014	AUDIT CLERK	CLERICAL	-3-	5	S--4-6 I------
.388-018	BILLING CONTROL CLERK	LIGHT HEAT	-3-	5	S--4-6 I------
.388-038	DISTRIBUTION ACCOUNTING CLERK	LIGHT HEAT	-3-	5	S--456 I------
.388-050	MEDICAL-VOUCHER CLERK	INSURANCE	-3-	3	S--4-6 I------
.388-054	MORTGAGE-LOAN-COMPUTATION CLER	INSURANCE	-3-	3	S--4-6 I------

211. CASHIERING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010	MONEY COUNTER	RET TR WHOLE	-3-	5	S--4-6 I------
.488-014	MONEY COUNTER	AMUSE / REC	-3-	3	L--4-6 I------
.468-010	CASHIER	CLERICAL	H3-	2	S--456 I------
.468-018	CASHIER, CURRENCY EXCHANGE	BUS SER	H3-	2	S--45- I------
.468-022	CASHIER GAMBLING	AMUSE / REC	H3-	2	S--45- I------
.468-026	CASHIER-WRAPPER	RET TR	H3-	2	L--4-6 I------
.468-030	CASHIER, CHANGE BOOTH	AMUSE / REC	H2-	2	S--4-6 I------

211. CASHIERING (CONT.)

.468-034	DESK CLERK	PER SER	H3-	2	S--456 I------
.468-038	DRIVERS-CASH CLERK	MOTOR TRANS	H2-	2	S--45- I------
.468-042	PARIMUTUEL-TICKET CASHIER	AMUSE / REC	H3-	2	S--4-6 I------
.468-046	PARIMUTUEL-TICKET SELLER	AMUSE / REC	H2-	2	S--45- I------
.468-050	SHEET WRITER	AMUSE / REC	-3-	2	L--45- I------
.468-054	STATION AGENT	RR TRANS	H2-	2	L---5- I------
.468-058	TELLER	LIGHT HEAT	H2-	2	L--45- I------
.468-062	TICKET SELLER	CLERICAL	H3-	2	S--456 I------
.468-066	TOLL COLLECTOR	GOV SER	H2-	2	L--4-- B------
.368-010	CASHIER	CLERICAL	H3-	5	S--45- I------

213. AUTOMATIC DATA PROCESSING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010	SORTING-MACHINE OPERATOR	CLERICAL	-2-	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-014	VERIFIER OPERATOR	CLERICAL	-3P	5	S--4-6 I------
.582-010	KEY-PUNCH OPERATOR	CLERICAL	-3P	4	S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010	TABULATING-MACHINE OPERATOR	CLERICAL	-3-	5	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.588-010	DATA TYPIST	CLERICAL	-3P	4	S--4-6 I------
.382-010	CARD-TAPE-CONVERTER OPERATOR	CLERICAL	-3-	4	S--4-- I------
.382-014	COMPUTER-PERIPHERAL-EQUIPMENT	CLERICAL	-3-	4	L--4-6 I------
.382-022	HIGH-SPEED-PRINTER OPERATOR	CLERICAL	-3-	4	L--4-6 I------

214. BILLING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010	BILLING-MACHINE OPERATOR	CLERICAL	-3P	4	S--4-6 I------

215. BOOKKEEPING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010	PAYROLL CLERK	CLERICAL	-3P	5	S--4-6 I------
.388-014	BOOKKEEPING-MACHINE OPERATOR	CLERICAL	-3P	5	S--4-6 I------

PHYS.D WK COND
HRP SVP 123456 1234567

216. COMPUTING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.588-010 FOOD TABULATOR CAFETERIA — HOTEL / REST -2P 3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.488-010 ADDING-MACHINE OPERATOR — CLERICAL -2P 3 S--4-- I------
.488-014 AUDIT-MACHINE OPERATOR — CLERICAL -3P 4 S--4-- I------
.488-022 FOOD CHECKER — HOTEL / REST -2P 3 S--4-- I------
.488-026 FOOD CHECKER — HOTEL / REST -2P 3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.588-014 INTEGRATOR OPERATOR — CLERICAL -2- 3 L--4-6 I------

MOD MOD MIN

.488-018 CALCULATING-MACHINE OPERATOR — CLERICAL -3P 3 S--4-- I------
.488-030 FOOD CONTROLLER — HOTEL / REST -3P 5 S----6 I------
.488-034 INTERLINE CLERK — RR TRANS -3P 3 S--4-- I------
.488-038 POLICY-VALUE CALCULATOR — INSURANCE -3P 4 S--4-- I------
.488-042 TESTER, RECORDING AND CHECKING — NONFER. META -3P 3 S--4-- I------
.388-010 BALANCE CLERK — CLERICAL -3P 4 S--4-6 I------
.388-014 BANK-RECONCILIATION CLERK — CLERICAL -2P 5 S--4-6 I------

217. ACCOUNT-RECORDING-MACHINE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BURSTING-MACHINE OPERATOR — CLERICAL -2- 2 L----- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-010 PROOF-MACHINE OPERATOR — BANKING -3P 4 L--4-- I---5--

219. COMPUTING AND ACCOUNT RECORDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.688-014 COUNTER, FISH — GOV SER -1- 2 L----6 O------
.588-010 BOOKMAN — WHOLE TR -2- 3 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-086 CONTROL CLERK AUDITING — INSURANCE -2- 3 S--4-6 I------

219. COMPUTING AND ACCOUNT RECORDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.588-018	COIN-MACHINE OPERATOR	BANKING	-2-	4	H--4-6 I---5--
.585-010	COIN-MACHINE OPERATOR	CLERICAL	-2-	2	H--4-- I------
.488-014	ADDITIONS AND BETTERMENTS CLER	RR TRANS	-3-	4	S--4-6 I------
.488-018	ADVERTISING-SPACE MEASURER	CLERICAL	-2-	3	S--4-- I------
.488-026	BROKERAGE CLERK	FINAN INST	-3-	5	S--4-- I------
.488-030	COLLECTION-SHEET CLERK	MOTOR TRANS	-2P	3	S--4-6 I------
.485-010	CURRENCY SORTER	BANKING	-3-	4	S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010	CONTROL CLERK DATA PROCESSING	CLERICAL	-3-	4	L--4-6 I------
.588-014	CHARGE-REFER CLERK	CLERICAL	-3-	3	S--4-6 I------
.588-022	DATA-CHANGE CLERK	INSURANCE	-2-	3	S--4-6 I------
.588-026	ERROR-LEDGER CLERK	CLERICAL	-2-	3	S--4-6 I------
.588-030	KARDEX CLERK	CLERICAL	-2-	3	S--4-6 I------
.588-034	METER-ORDER CLERK	LIGHT HEAT	-2-	3	S--4-6 I------
.588-038	POSTING CLERK	CLERICAL	-3-	3	S--4-6 I------
.588-042	REMITTANCE CLERK	INSURANCE	-2-	3	S--4-6 I------
.588-046	SUSPENSE CLERK	LIGHT HEAT	-2-	3	S--4-6 I------
.588-050	SUSPENSE-RETIREMENT-CLEARANCE-	LIGHT HEAT	-2-	3	S--4-6 I------
.588-054	TELEGRAPH-SERVICE RATER	TEL / TEL	-2-	2	S--4-- I------
.488-050	GRADING CLERK	EDUCATION	-3-	3	S----- I------
.488-054	INSURANCE CHECKER	INSURANCE	-3-	5	S--4-6 I------
.488-058	RATE CLERK	MOTOR TRANS	H3-	3	S--456 I------
.488-066	TOLL-RATING CLERK	TEL / TEL	-3-	3	S--4-- I------
.488-070	VOUCHER CLERK	RR TRANS	-3-	4	S--4-- I------
.388-022	AIRCRAFT-LOG CLERK	AIR TRANS	-3-	3	S--4-- I------
.388-026	BILLING CLERK	CLERICAL	-3P	3	S--4-6 I------
.388-042	C O D CLERK	CLERICAL	-2-	3	S--4-6 I------
.388-050	CHECKER	AMUSE / REC	-2-	2	L--4-6 B------
.388-058	CLEARING-HOUSE CLERK	BANKING	-3-	5	L--45- I------
.388-062	CLERK CABLE TRANSFER	TEL / TEL	-3-	4	S----6 I------
.388-074	CODING CLERK	CLERICAL	-3P	3	S--4-6 I------
.388-078	COLLATERAL-AND-SAFEKEEPING CLE	BANKING	-3-	5	S--4-- I------
.388-082	CONTRACT CLERK AUTOMOBILE	RET TR	-3P	5	S--45- I------
.388-090	CONTROL CLERK DATA PROCESSING	CLERICAL	-3P	4	S----- I------
.388-102	CREW SCHEDULER	AIR TRANS	H3-	4	S---5- I------
.388-106	DEMURRAGE CLERK	R R TRANS	H3P	5	S----- I------
.388-110	DISPATCHER CLERK	RR TRANS	-2-	3	S--45- I------
.388-122	EXCHANGE CLERK	BANKING	H3-	4	S--4-- I------
.388-126	FILM-RENTAL CLERK	RET TR	H3-	4	L---5- I------
.388-130	FLIGHT-CREW-TIME CLERK	AIR TRANS	-3-	3	S--45- I------
.388-134	FOREIGN-COLLECTION CLERK	BANKING	H3-	5	S--4-6 I------
.388-142	INSURANCE CLERK	BANKING	H3-	4	S--45- I------
.388-150	INTEREST CLERK	BANKING	-3P	5	S--4-- I------
.388-154	LETTER-OF-CREDIT CLERK	BANKING	H3-	5	S--45- I------
.388-158	LOAD-CONTROL AGENT	AIR TRANS	H3-	5	S----- I------
.388-166	MANIFEST CLERK	WATER TRANS	H3P	5	L--4-- I------

219. COMPUTING AND ACCOUNT RECORDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.388-174	MARGIN CLERK	FINAN INST	H3-	5	S--4-- I------
.388-178	MEDIA CLERK	BUS SER	H3P	5	S--4-- I------
.388-182	MORTGAGE-ACCOUNTING CLERK	CLERICAL	-3P	3	L--4-6 I------
.388-190	PAY AGENT	CLERICAL	H3-	4	L--4-- I------
.388-202	PROBATE CLERK	BANKING	-3-	5	S--45- I------
.388-218	RATER	INSURANCE	-3-	4	S--4-- I------
.388-222	REAL-ESTATE CLERK	CLERICAL	H3P	5	S--4-- I------
.388-230	RETURNED-ITEM CLERK	BANKING	-3P	4	S--4-- I------
.388-234	REVISING CLERK	MOTOR TRANS	-2-	4	S--4-- I------
.388-238	REVIVAL CLERK	INSURANCE	-3P	4	S--4-- I------
.388-246	SERVICES CLERK	WATER TRANS	-3-	3	L--4-- I------
.388-250	SETTLEMENT CLERK	ORE DRESS SM	-3P	4	S--4-- I------
.388-254	SORTING CLERK	BANKING	H3P	3	S--4-- I------
.388-262	STATISTICAL CLERK ADVERTISING	RET TR	-3P	4	S--4-6 I------
.388-270	TAX CLERK	CLERICAL	-3-	3	S--4-- I------
.388-274	TIMEKEEPER	CLERICAL	-2-	3	S--4-- I------
.388-278	TRAFFIC-RATE CLERK	CLERICAL	H3-	5	S--45- I------
.388-286	WARD CLERK	MEDICAL SER	H3-	3	L--45- I------
.388-290	WORKSHEET CLERK	INSURANCE	-3-	5	S----- I------
.368-010	BROKERAGE CLERK	FINAN INST	H3P	5	L--4-- I------
.368-014	FLOORMAN	MOTOR TRANS	H3-	5	S----- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.388-194	PLANIMETER OPERATOR	GOV SER	-2P	3	S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-046	CHART CLERK	PETROL REFIN	-3P	3	L--4-6 I------
.388-186	PAPER-CONTROL CLERK	WATER TRANS	-3-	5	L--4-- I------

MATERIAL AND PRODUCTION RECORDING (221.-229.)

Occupations in this area include a concern for receiving, storing, issuing, shipping, requisitioning, and accounting for materials in storage or use; assignment of space and locations to items; verifying quantity, condition, and value of items; physical handling of materials; preparation of stock for shipment; and filling of orders.

Moderate mathematics demands are characteristic of occupations in this area, although electronic numerical processing is steadily reducing computational requirements. Mathematics demands are frequently associated with moderate language requirements which pertain to the reading and writing of special vocabulary elements such as product trade names, nomenclature of goods and materials, and terminology specific to an industry. Units of measure are important vocabulary elements and tie closely to mathematics requirements. Occupations with more complex information recording, transfer, and manipulation have moderate mathematics and language requirements. But there are also many occupations with only minimal cognitive demands of any kind. These tend to be occupations which concentrate on the physical handling of materials and routine recording of information on forms.

Interaction with the public and with large numbers of employees is involved in about one-tenth of the occupations, being most prevalent in shipping, receiving, and stock clerking. Many, and an increasing number, of the recording procedures depend on the use of keyboard entry--resulting in a modest demand for finger dexterity and eye-hand coordination. Knowledge of elementary physics, mechanics, and chemistry can be helpful in understanding some of the measurement units and imperatives for physical handling of materials.

Major career opportunities tend to involve higher levels of cognitive achievement in supervision, new procedures design, programming, investigation of complaints and errors, and analysis of data.

PHYS.D WK COND
HRP SVP 123456 1234567

221. CLERICAL WORK, PRODUCTION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WORK GUIDER — KNIT GOODS -1- 2 L--4-- I------
.588-010 CHECKER-IN — BOOT / SHOE -1- 2 M--4-- I------
.588-030 TICKET SCHEDULER — BOOT / SHOE -1- 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.588-014 FREQUENCY CHECKER — GLASS MFG SY -2- 2 L--4-- I---5--
.588-022 JOB TRACER — CLERICAL -3- 4 L--4-- I------

221. CLERICAL WORK, PRODUCTION (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

				PHYS.D	WK COND
			HRP	SVP	123456 1234567
.588-026	SCHEDULE CLERK	PRINT / PUB	-2-	4	S--4-- I------
.388-014	EXPEDITER CLERK	OPTICAL GOOD	-2-	2	L--4-- I------
.388-018	FLOOR CLERK	LAUND	-2-	3	L--4-- I------
.388-034	MANUFACTURING-ORDER CLERK	INST / APP	H3-	2	S--4-- I------
.388-038	MILL RECORDER	NONFER METAL	-3-	3	S--4-- I------
.388-046	OVERHAUL PLANNER	AIRCRAFT MFG	-3-	5	S--4-6 I------
.388-050	PRODUCTION ASSISTANT	EXPLOSIVES	-3-	4	S--4-- I------
.388-062	RECORDER	IRON / STEEL	-3-	5	M---5- I-3-56-
.388-066	TRAFFIC WORKER	BUS SER	-3-	3	S---5- I------
.388-070	WEIGHT-AND-TEST-BAR CLERK	FOUND	H3-	4	L--4-- I-3----
.388-074	WORK-ORDER CLERK	CLERICAL	-3P	2	S--4-6 I------
.387-010	BACK-SHOE WORKER	BOOT / SHOE	-3-	4	L-34-- I------
.387-014	COMPLAINT CLERK	BOOT / SHOE	-2-	4	L--4-- I------
.368-010	LINE-UP WORKER	AUTO MFG	H2-	4	L---5- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.588-018	JACKET PREPARER	PRINT / PUB	-2-	3	S--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-022	FORMULA CHECKER	TEXTILE	-3-	4	L--4-- I------
.388-026	GAS-PLANT CLERK	LIGHT HEAT	-3-	4	S----6 I------
.388-042	ORDER DETAILER	CLERICAL	-3-	4	S--4-6 I------
.388-058	PROVIDER	IRON / STEEL	-3-	5	S--4-- I------

222. CLERICAL WORK, SHIPPING AND RECEIVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.687-010	MAIL SORTER	RR TRANS	-1-	2	H-34-- B------
.687-026	SAMPLE INSPECTOR	CARPET / RUG	-2-	3	L--4-6 I------
.687-030	SHIPPING CHECKER	CLERICAL	-2-	4	L--4-6 I------
.687-034	SORTER	ANY IND	-1-	2	L--4-- I------
.588-018	PHOTOPRINT CHECKER	CLERICAL	-2-	2	L----- I------
.588-026	TRAFFIC CLERK	CLERICAL	H3-	4	S--4-- I------
.587-010	CLERK, BRAILLE-AND-TALKING BOO	LIBRARY	-2-	3	L--4-6 I------
.587-022	RECEIVER	BUS SER	-2-	2	L--4-- I------
.587-026	RECEIVING-AND-SHIPPING HELPER	TEXTILE	-1-	2	M-34-- I---5--
.587-034	ROUTE-RETURNER	CLERICAL	-2-	3	L--4-6 B------
.587-042	SHIPPING CLERK	CLERICAL	-2-	3	M-34-- I------
.387-022	RETURNED-GOODS RECEIVING-CLERK	CLERICAL	-2-	3	M--4-- I------

222. CLERICAL WORK, SHIPPING AND RECEIVING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.687-038	STUBBER	RET TR	-2-	2	M--4-6	I------
.588-010	DELIVERY CLERK	CLERICAL	-2-	2	L--4--	B------
.588-034	WRONG-ADDRESS CLERK	RET TR	-2-	4	L--456	I------
.587-030	RETURNED GOODS CLERK	CAN / PRESER	-2-	3	L-34-6	I------
.587-046	VAULT WORKER	BUS SER	-2-	2	M-34--	I------
.387-010	FREIGHT-RECEIVING CLERK	RRTRANS	H2-	3	M--4-6	I------
.387-014	GUN-REPAIR CLERK	FIREARMS	-3-	3	L-345-	I------
.387-018	RECEIVING CLERK	CLERICAL	-2-	3	M--4--	B------
.368-014	EXPEDITER	CLERICAL	H3-	4	S--45-	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-014	MILK RECEIVER	DAIRY PROD	-3-	4	H--4-6	I--45--
.687-018	MILK-RECEIVER TANK TRUCK	DAIRY PROD	-3-	4	L2-4--	I--4---
.687-022	RECEIVING CHECKER	CLERICAL	-2-	3	H-34--	I------
.587-018	FISH ICER	CAN / PRESER	-2-	2	L--4--	I--4---
.587-038	SCRATCH-STORAGE OPERATOR	LINOLEUM	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-014	SHIP RUNNER	WATER TRANS	-2-	4	L-34--	I------
.588-022	SHOP CLERK GRAIN ELEVATORS	GRAIN / FEED	H3-	4	L--45-	I------
.588-030	TRAFFIC CLERK	CLERICAL	-2-	4	L--45-	I------
.587-014	DISTRIBUTING CLERK	CLERICAL	-3-	3	L--4--	I------
.488-010	MANIFEST CLERK	MOTOR TRANS	-3P	4	S--4--	I------
.488-014	RECEIPT CLERK	CLERICAL	H2-	4	L--4--	B------
.387-026	SHIPPING AND RECEIVING CLERK	CLERICAL	-3-	5	M--4-6	B------
.368-010	BOOKING CLERK	WATER TRANS	H2-	5	S--45-	I------
.368-018	TRACER	MOTOR TRANS	H3-	4	S-----	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.478-010	RETAIL-RECEIVING CLERK	CLEAN DYE	H2-	2	L-3456	I------
.388-018	MONEY CLERK CHIEF	RR TRANS	H3-	5	M-34--	I------
.387-030	SHIPPING CHECKER	AIRCRAFT MFG	-3-	4	L-34-6	I------

223. STOCK CHECKING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	CLOTH-BIN PACKER	TEXTILE	-1-	2	M2-4-6	I------
.887-018	COTTON SAMPLER	AGRIC TEXTIL	-1-	2	L--4--	I------
.887-022	DECAL CUTTER	POTTERY / PO	-1P	3	S--4-6	I------
.887-026	MEDICAL SUPPLY CLERK	MEDICAL SER	-2P	3	L--4--	I-----7
.687-022	SCALER	GARMENT	-2-	2	L--4--	I------
.687-026	SORTER	MOTION PIC	-2-	2	L--4--	I------
.588-022	SWATCH CLERK	GARMENT	-2-	2	L-----	I------

223. STOCK CHECKING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

					PHYS.D W C COND HRP SVP 123456 1234567
.387-054	PARTS CLERK	CLERICAL	-2-	5	H-34-- I------
.387-102	STOCK CLERK, TINPLATE	TINWARE	H2-	5	M234-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-010	EQUIPMENT-INVENTORY CLERK	AIRCRAFT MFG	-2-	3	L--4-6 I------
.388-018	INVENTORY CLERK, STOCKROOM	CLERICAL	-2-	3	L--4-6 I------
.387-014	BOOK SUPERVISOR	CLERICAL	-3-	5	L--4-- I------
.387-022	FILM-LIBRARY CLERK	CLERICAL	-2-	2	L--4-- I------
.387-030	LIBRARIAN	MOTION PIC	-3-	4	L--45- I------
.387-038	MAGAZINE KEEPER	ANY IND	H2-	5	M-34-- I----6-
.387-070	PROPERTY CUSTODIAN	MOTION PIC	-2-	5	L--4-- I------
.387-074	REFRIGERATION ROOM CLERK	RET TR	H2-	5	M-34-- I2-----
.387-082	SALVAGE CLERK	CLERICAL	-2-	5	L--4-- I------
.387-110	TAPE LIBRARIAN	CLERICAL	-3-	4	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010	CENTRAL-SUPPLY WORKER	MEDICAL SER	-3P	3	L--4-6 I------
.687-010	CAR SUPPLIER	RR TRANS	-2P	2	M-34-- B------
.684-010	MEAT CLERK	RET TR	-2P	2	H--4-- B------
.588-010	CHECK-OUT CLERK	WHOLE TR	-2-	2	L--4-- I------
.588-014	FIELD CHECKER	AGRIC	-2-	2	L--4-- B------
.588-018	SAMPLER WOOL	WHOLE TR	-2-	3	L----- I------
.588-026	COUNTER	CLERICAL	-2-	2	L--45- B------
.587-018	LABORATORY HELPER	CLERICAL	-2-	5	L--4-- I------
.587-022	STACKER	LEATHER PROD	-2-	2	S--4-- I------
.487-014	COUNTER WATCH PARTS	CLOCK / WATC	-2-	2	S--4-6 I------
.487-018	MAIL-ORDER FILLER	RET TR WHOLE	-2-	3	L--4-- I------
.487-022	MOLD PICKER	RUBBER GOODS	-3-	3	M-34-- I------
.387-034	LINEN-ROOM ATTENDANT	HOTEL / REST	-2P	4	M--4-- I------
.387-090	STEEL CUTTER	NONFER METAL	-2P	4	M-34-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030	ODD-PIECE CHECKER	KNIT GOODS	-2-	2	L--4-- I------
.887-034	PATTERN KEEPER	WALLPAPER	-2P	3	M--4-- I------
.687-018	SAMPLE-DISPLAY PREPARER	HOSIERY	-2-	2	L--4-6 I------
.687-030	TOOTH CLERK	MEDICAL SER	-2-	3	S----6 I------
.687-034	BISQUE GRADER II	POTTERY / PO	-2P	3	L--4-6 I------
.387-122	VAULT CLERK	MOTION PIC	H2-	5	M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-014	CHECKER	CLERICAL	-2-	3	L--4-6 I------
.488-010	MATERIAL-CONTROL-CLERK	SPRING WIREW	-3-	4	L--45- I------
.487-010	CHECKER BAKERY PRODUCTS	BAKE PROD	-3-	4	L-34-- I------
.388-014	INVENTORY CLERK	CLERICAL	-3-	4	L--4-6 I------
.388-022	MERCHANDISE DISTRIBUTOR	CLERICAL	-3-	5	L----- I------
.387-010	AUTOMOTIVE PARTS STOCK CLERK	AIRCRAFT MFG	H3P	5	L--4-- I------

223. STOCK CHECKING AND RELATED WORK (CONT.)

.387-018 CHECKER	WATER TRANS	-3-	4	L--4--	I------
.387-042 MATERIAL CLERK	CLERICAL	-3-	5	S--4--	I------
.387-058 PARTS-ORDER CLERK	MOTOR TRANS	H2-	3	L--456	I------
.387-066 PRESCRIPTION CLERK	OPTICAL GOOD	H3-	5	L--4--	I------
.387-094 STOCK CLERK	CLERICAL	-3-	5	H-34--	I------
.387-106 STOREKEEPER	WATER TRANS	-2-	5	L--4--	I------
.387-114 TOOL CLERK	CLERICAL	-2-	5	L-34--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-038 STOCK SUPPLIER TYPE SOLDERERS	TYPEWRITERS	-2-	3	M--4--	I------
.387-062 TRUCK CHECKER	CONST	-2-	3	L--4--	B---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 SAMPLE WORKER	ANY IND	-2P	3	L--4--	I------
.587-010 EQUIPMENT-AND-ACCESSORIES ASSE	AIRCRAFT MFG	-3-	4	L--4--	I------
.587-014 KITCHEN CLERK	HOTEL / REST	-3-	4	M-34-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-026 SPACE-AND-STORAGE CLERK	AMMUNITION	-3-	3	L--4--	I------
.387-050 METAL CHECKER	ORE DRESS SM	-3-	5	L--4--	I------
.387-062 PETROLEUM INSPECTOR	BUS SER	-3-	4	M234--	O-----7
.387-078 RETURNED-TELEPHONE-EQUIPMENT A	ELEC EQUIP	-2-	5	L--4--	I------
.387-086 SAMPLE CLERK	GLASS MFG	-3-	4	L--4-6	I------
.387-010 MANAGER FLOOR	WHOLE TR	H-3	3	L--4--	I------

224. WEIGHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GARMENT WEIGHER	KNIT GOODS	-1-	2	L--4--	I------
.887-014 ROPER	AGRIC	-1P	1	H-----	I------
.687-014 FEATHER GRADER	HOUSE FURN	-2-	2	L--4--	I-----7
.587-030 PRODUCE WEIGHER	RET TR	H2-	1	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-018 SHADOWGRAPH-WEIGHT OPERATOR	SPORTS EQUIP	-2-	2	S--4--	I------
.887-022 TARE WEIGHER	SUGAR	-2-	3	M-34--	I------
.887-030 WEIGHER	ELEC EQUIP	-2-	2	M-----	I------
.688-010 WEIGHT TAKER	AGRIC	-2-	3	L---56	I------
.687-010 COMPOUNDER	RUBBER RECLA	-2-	3	M-34--	I-----7
.687-022 RUBBER COMPOUNDER	INSULATED WI	-2-	3	H--4--	I------
.687-026 WEIGHER	TOBACCO	-2-	2	H--4-6	I------
.687-030 WEIGHER BRODUCTION	ANY IND	-2-	2	M--4--	I------
.588-010 COTTON WEIGHER	AGRIC	-2-	2	L-----	O------
.587-018 CHECKER AND WEIGHER	CAN / PRESER	-2-	1	M--4--	B-----7

224. WEIGHING . (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.587-022	EMPTY-HOGSHEAD WEIGHER	TOBACCO	-2-	2	V-34-- I------
.587-038	LIVESTOCK WEIGHER	WHOLE TR	-2-	2	L--4-6 I------
.584-010	WEIGHER AND CHARGER	LINOLEUM	-2-	4	V--4-6 I----67
.488-010	WEIGHT-COUNT OPERATOR	ELECTRONICS	-3P	3	S--4-6 I------
.487-010	COUNTER-WEIGHER	TYPEWRITERS	-3-	2	V--4-- I------
.487-018	HOGSHEAD WEIGHER	TOBACCO	-2-	2	L--4-6 I------
.487-022	SCALER	RR TRANS	-2-	2	S----- I------
.487-026	WEIGHER	ANY IND	-2-	2	M--4-- I------
.487-034	WEIGHER	COOPERAGE	-2-	2	L--4-- I------
.487-038	WEIGHER-UP	IRON / STEEL	-2-	4	M--4--- B---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-026	WEIGHER	COAL TAR PRO	-2-	3	H--4-- I------
.687-018	RECEIVING WEIGHER	TOBACCO	H3-	3	L--4-6 I------
.587-010	BALANCE WEIGHER	DRUG PREP	-3-	3	M--4-6 I------
.587-014	BATCH WEIGHER	FERTILIZER	-2P	2	L--4-- I---5-7
.587-026	GRAIN WEIGHER	GRAIN / FEED	-2-	3	L--4-- I------
.587-034	WEIGHER	CLERICAL	-2-	1	L--4-- I------
.487-030	WEIGHER	CLERICAL	-2-	2	L--4-- I------
.487-042	WEIGHING-STATION OPERATOR	GOV SER	-3-	3	L--4-- B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.487-014	DOCK BOSS	MINING / QUA	-3-	4	L--4-6 B------

229. MATERIAL AND PRODUCTION RECORDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.588-022	OUTSOLE SCHEDULER	BOOT / SHOE	-1-	2	L--4-- I------
.587-010	GREY-GOODS MARKER	TEXTILE	-1-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-010	DISPATCHER MAINTENANCE	CLERICAL	H3-	5	S--45- L------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010	TICKETER	TEXTILE	-2-	1	L--4-- I------
.588-010	COUNTER	AGRIC	-2-	2	L---5- I----6-
.588-030	TICKET MARKER	WHOLE TR	-2-	3	L--4-- I------
.488-022	LUMBER SCALER	WOODWORKING	-2-	3	M234-6 B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010	GRAIN SAMPLER	FINAN INST W	-3-	3	H-34-- B------
.588-026	SHADE-TICKET MARKER	GARMENT	-1-	3	L--4-6 I------
.587-018	SAMPLE CLERK	TEXTILE	-2P	3	M--4-6 I------

229. MATERIAL AND PRODUCTION RECORDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CHART CHANGER	CLERICAL	-2-	3	L--45-	B------
.588-018 OBSERVER WATER-SALES-MEASUREME	LIGHT HEAT	-2-	3	L--4-6	I------
.388-026 ROAD CLERK	RR TRANS	-2-	4	L--4--	B------
.388-030 ROADMASTER CLERK	RR TRANS	-3-	5	S--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.388-010 CAR CHECKER	R R TRANS	-3-	2	L--4-6	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.587-014 INSPECTOR SWEET POTATO	GOV SER	-2-	2	S----6	I------
.488-010 ESTIMATOR	WOOD BOX	-2-	5	S--4--	I------
.388-018 PARTS LISTER	ELECTRONICS	-3-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.588-014 FILE-ROOM CUSTODIAN-AND-STABIL	CLERICAL	-2-	3	L--4--	I------
.388-022 PROGRESS CLERK	CONST	-3-	1	L--4--	I------
.387-010 BULK-PRODUCTS LOADER AND WEIGH	SUGAR	-3P	5	L234--	B------

INFORMATION AND MESSAGE DISTRIBUTION (230.-239.)

Occupations in this area are concerned with visitor reception, telephone call routing, distribution of mail, and delivery of verbal messages.

A majority of occupations in this area demand a moderate level of both language and mathematics development. Language demands derive largely from reading address information and from oral communication. Writing requirements are generally limited to routine record keeping, which may also involve simple numerical information such as payments data. Additional mathematical skills may involve weighing, measuring physical size, determining times, or other factors which govern communications charges.

A large proportion of the occupations in this area involve frequent contact with the public or with other workers. A pleasant manner and clear speaking voice are definite assets. A portion of the occupations in this area are heavily oriented toward the operation of mail preparation and handling machines. These occupations tend to have minimal language or mathematic demands, but can profit from modest mechanical capabilities for machine set-up and minor maintenance tasks.

Occupations in this area tend to have limited direct career advancement opportunity except through supervisory positions. However, occupations in this area frequently are located in settings with many other types of clerical and related work. Movement into these other clerical areas may open a variety of career opportunities.

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230. MESSENGER AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HANDBILL PASSER	ANY IND	-1-	1	L--4--	O------
.878-010 AID ROUTE	TEL / TEL	-2-	2	L--4--	I------
.878-018 MESSENGER, COPY	PRINT / PUB	-2-	2	L-----	B------
.878-022 MESSENGER	CLERICAL	-2-	2	L--4--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 MESSENGER, CASH	RET TR	-2-	2	L--45-	I------
.878-026 OFFICE HELPER	CLERICAL	-3-	2	L--45-	B------
.878-030 RUNNER	FINAN INST	-2-	2	L--4--	B------
.868-010 TELEGRAPH MESSENGER	TEL / TEL	-2-	2	L--45-	B------
.368-010 TELEGRAPH MESSENGER	TEL / TEL	H3-	4	S--45-	I------

231. MAIL SORTING, STAMPING, RECORDING, ROUTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 DISTRIBUTION CLERK	GOV SER	-3-	4	M--4-6	I------
.687-010 EXPRESS MESSENGER	RR TRANS	-2-	2	H234--	I---5--
.687-014 SHIPPER	BUS SER	-2-	2	L-34--	I------
.588-010 DIRECT-MAIL CLERK	CLERICAL	-3-	4	L--4--	I------
.388-010 MAIL-ORDER SORTER	RET TR	-3-	2	M--4-6	I------

232. CLERICAL WORK, POST OFFICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 POST-OFFICE CLERK	CLERICAL	H3-	4	L--456	I------
.368-014 POST-OFFICE CLERK	GOV SER	H3-	4	M--456	I------

233. MAIL DELIVERY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-010 MAIL CARRIER	GOV SER	-3-	3	M--4-6	B------
.388-014 RURAL-MAIL CARRIER	GOV SER	-3P	2	L--4-6	O------

234. MAIL-PREPARING-AND MAIL-HANDLING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 FOLDING-MACHINE OPERATOR	CLERICAL	-2-	2	L--4--	I------
.885-018 INSERTING-MACHINE OPERATOR	CLERICAL	-2-	3	L--4--	I------
.885-022 SEALING-AND-CANCELING-MACHINE	CLERICAL	-2-	2	L--4--	I------
.885-026 WING-MAILER-MACHINE OPERATOR	PRINT / PUB	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 ENVELOPE-SEALING-MACHINE OPERA	CLERICAL	-3-	3	S--4--	I------

235. TELEPHONE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.862-010 CENTRAL-OFFICE OPERATOR	TEL / TEL	H3P	3	L--45-	I------
.862-014 GAMEWELL OPERATOR	GOV SER	-3-	3	S--456	I------
.862-022 SWITCHBOARD OPERATOR POLICE DI	GOV SER	-3-	4	L--45-	I------
.862-026 TELEPHONE OPERATOR	CLERICAL	H3-	3	S--456	I------
.585-010 SWITCHING CLERK	TEL / TEL	-3P	4	L--4--	I------

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235. TELEPHONE WORK (Cont.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.862-018 INFORMATION OPERATOR — TEL / TEL — H3- 3 S--45- I------
.588-010 CLERK ROUTE — TEL / TEL — -3P 4 S--4-- I------

236. TELEGRAPH WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-010 MORSE OPERATOR — TEL / TEL — -3P 5 S--4-- I------
.588-018 TELEGRAPHER AGENT — RR TRANS — -3P 5 S--45- I------

237. RECEPTION AND INFORMATION DISPENSING WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-042 REGISTRAR — GOV SER — H2- 5 L--45- B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-014 APPOINTMENT CLERK — CLERICAL — H3- 3 S---5- I------
.368-022 INFORMATION CLERK — CLERICAL — H3- 4 S--45- I------
.368-034 PAY-STATION ATTENDANT — CLERICAL — H2- 5 S--45- I------
.368-038 RECEPTIONIST — CLERICAL — H3- 5 S--45- I------
.368-046 REGISTRATION CLERK — GOV SER — H3- 3 S---5- I------

239. INFORMATION AND MESSAGE DISTRIBUTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 TELEPHONE DIRECTORY DELIVERER — BUS SER — -2- 1 H--4-- O------
.588-014 CLERK DIRECTORY — TEL / TEL — -2- 3 S--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 CALLER INDUSTRIAL — ANY IND — -2- 2 S---5- I------
.688-010 CLERK INSPECTION — TEL / TEL — -3- 4 S--4-- I------
.687-010 TUBE OPERATOR — CLERICAL — -2- 2 S--4-- I------
.588-010 BOARD MARKER — FINAN INST — -3- 2 L--45- I---5--
.588-030 SERVICE OBSERVER — TEL. / TEL. — H3- 4 L--4-- I------
.587-010 MAILER — PRINT / PUB — -3P 3 L--4-- I------
.587-014 MAILER APPRENTICE — PRINT / PUB — -3P 3 L--4-- I------
.388-010 DISPATCHER MAINTENANCE SERVICE — CLERICAL — -3- 3 S--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.588-018 METER READER — LIGHT HEAT — -3- 4 L2---6 O------
.588-026 ROUTER — CLERICAL — -3- 2 L--4-- I------

MISCELLANEOUS CLERICAL WORK (240.-249.)

Occupations in this area include adjusting claims and records, collecting and tracing accounts, and quoting prices and other information in a business setting.

A majority of the occupations in this area demand moderate language and mathematics capabilities. There are, however, scatterings of occupations where all cognitive demands are minimal, where only language or mathematics demands are more than minimal, and where some moderate demand for perceptual processing is present. Language demands derive largely from verbal communication to supply information for accounts and records or to supply information in response to requests. Mathematics demands derive largely from monetary exchange and financial record keeping.

A large proportion of these occupations involve contact with the public or fellow employees.

There are opportunities for moving into positions of increasing responsibility either with or without also assuming supervisory functions.

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240. COLLECTING				
Language: MINIMUM / Mathematics: MODERATE / Perceptual Processing: MINIMUM				
.887-010 COLLECTOR	TEL / TEL	-2- 2	L--45-	O------
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MINIMUM				
.468-010 LAY-AWAY CLERK	RET TR	H3- 2	L-----	I------
.368-018 REPOSSESSOR	CLERICAL	H3- 3	L---5-	B------
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MODERATE				
.884-010 PARKING-METER COLLECTOR	GOV SER	-2- 3	M--4--	O------
241. ADJUSTING				
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MINIMUM				
.368-014 LOSS-OF-CLAIM CLERK	INSURANCE	H3- 5	S--4--	I------
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MODERATE				
.387-010 TIRE ADJUSTER	RET TR WHOLE	H3- 4	M--456	I------

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242. HOTEL DESK WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 HOTEL CLERK — HOTEL / REST H3- 4 L---5- I------

243. CLERICAL WORK, DIRECT SERVICE, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.468-010 SALES-CHECK WRITER — RET TR H3- 2 S--4-- I------
.368-026 SERVICE CLERK — CLERICAL H3- 5 S--45- I------
.368-030 TELEPHONE-QUOTATION CLERK — FINAN INST H2- 1 S--45- I------
.368-034 WORK-ORDER-SORTING CLERK — LIGHT HEAT -3- 5 S--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.368-014 LOST-AND FOUND CLERK — CLERICAL H3- 2 M--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.368-010 CALL CLERK — GOV SER H3- 2 L---5- I------
.368-018 LOST-AND-FOUND CLERK — MOTOR TRANS H3- 4 S--4-6 I------

249. MISCELLANEOUS CLERICAL WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CUTTER PRESS CLIPPINGS — BUS SER -1- 2 S--4-- I------
.887-018 NEWSPAPER INSERTER — PRINT / PUB -1- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.688-014 PRODUCTION PROOFREADER — RET TR -2- 4 L--4-6 I------
.368-046 FINGERPRINT CLERK — GOV SER -2P 2 L--45- I------
.368-054 LICENSE CLERK — GOV SER H2- 3 ---45- I------
.368-062 NEW-ACCOUNT CLERK — CLERICAL H3- 3 S---5- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.588-022 TICKET COUNTER — AMUSE / REC -2- 2 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 PROCESS SERVER — BUS SER -3- 3 L---5- B------
.868-014 VAULT ATTENDANT — BANKING H2- 2 M-345- I------
.588-014 REGISTRATION CLERK — GOV SER -3P 4 S----- I------
.588-016 SHEET WRITER — AMUSE -2- 1 ------ ------
.588-018 STATION-HOUSE CLERK — GOV SER -3- 2 S--4-- I------
.587-010 NOTE KEEPER — ANY IND -3- 4 L--4-- O------
.587-014 PROPERTY CLERK — GOV SER -3- 2 L--4-- I------

249. MISCELLANEOUS CLERICAL WORK, N.E.C. (CONT.)

.388-010 ANALYST	RET TR	-3-	3	S-----	I------
.388-014 COMPILER	CLERICAL	-3-	2	S-----	I------
.388-018 CREDIT AUTHORIZER	CLERICAL	-3-	4	L-345-	I------
.388-030 MAILING-LIST COMPILER	CLERICAL	-3P	4	S--4-6	I------
.388-038 MESSENGER BANK	BANKING	-3-	4	L--4--	B------
.388-042 METER READER	MOTOR TRANS	-3-	3	L--4--	I------
.387-010 WATCH-AND-CLOCK-REPAIR CLERK	RET TR	-3-	5	S--4-6	I------
.368-010 CLAIMS CLERK	INSURANCE	H3P	4	S--456	I------
.368-014 CLERK ELECTORAL	GOV SER	H3-	2	S----6	I------
.368-018 CONTRACT CLERK	LIGHT HEAT	H3-	5	S---5-	I------
.368-066 NEW-ACCOUNTS TELLER	BANKING	H3P	5	L--45-	I------
.368-074 RECONSIGNMENT CLERK	RR TRANS	-3-	3	S-----	I------
.368-078 RELIGIOUS-AFFAIRS CLERK	NONPROFIT OR	-3-	4	L---5-	I------
.368-086 SAFE-DEPOSIT CLERK	BANKING	H2P	5	L--4-6	I------
.368-090 TEST TECHNICIAN	CLERICAL	H3-	5	S---5-	I------
.268-014 SURVEY WORKER	CLERICAL	H3-	3	M--456	B------
.168-014 LABOR EXPEDITER	CONST	H3-	3	L--45-	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-010 CLERK-DRAFTER	CLERICAL	-2P	3	S--4-6	I------
.588-010 MAP CLERK	AGRIC	-3-	3	S-----	O------
.488-010 CHECKER DUMP GROUNDS	BUS SER	-3-	4	S-----	B------

SALESWORK, SERVICES AND COMMODITIES (250.-289.)

Occupations in this area include wholesale and retail sales. Duties include such things as displaying, demonstrating, and explaining merchandise; preparing sales slips or sales contracts; and taking inventory of stock.

All occupations in this area include at least moderate language and mathematics demands, and a fair proportion of them also require moderate perceptual processing to appreciate fully the characteristics of the product line sold--as in color coordination, pattern evaluation, and style. Language demands are heavily centered around the oral communications necessary to describe product features, discuss advantages and disadvantages of different available items, and persuade a potential customer to a particular point of view. Reading and understanding product literature is also a frequent requirement, depending upon product sophistication and variations available. Computational demands seldom exceed elementary arithmetic, and electronic devices are minimizing these demands. However, the price of expensive merchandise such as automobiles and mobile homes is often negotiable and special discounts and trade-ins may have to be considered. Arithmetic skills may also be needed for the preparation of credit applications, sales contracts, and tax data.

Skill at persuasive interaction with clients is almost universally important. Basic technical knowledge may be an asset where the customer may be interested in principles of operation, specifications, power consumption, materials, and the like.

Career advancement opportunities include senior sales positions, sales management, and buyer positions. These opportunities all tend to be associated with cognitive demands greater than are within the scope of this handbook.

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250. SALESWORK, REAL ESTATE AND INSURANCE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-014 TOBACCO WAREHOUSE AGENT	WHOLE TR	H3- 3	L---5-	B------
.358-018 MEMORIAL COUNSELOR	RET TR	H3- 2	L---5-	I------

252. SALESWORK, BUSINESS AND FINANCIAL SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 LEASE BUYER	BUS SER	H3- 4	L---5-	B------
.358-038 SALES REPRESENTATIVE, EXTERMIN	BUS SER	H3- 5	L--45-	B-----7

259. SALESWORK, SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES REPRESENTATIVE, DANCING EDUCATION H3P 4 L---5- I------
.358-018 SALES REPRESENTATIVE, TELEVISI RET TR H3- 3 L---5- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 CRATING-AND-MOVING ESTIMATOR MOTOR TRANS H3- 5 L---5- I------

260. SALESWORK, HORTICULTURAL AND NURSERY PRODUCTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 SALESPERSON FLOWERS RET TR H3- 5 L--456 I2-4---

261. SALESWORK, AGRICULTURAL PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES AGENT, RAW WOOL WHOLE TR H3- 4 S---5- I------

262. SALESWORK, FOODSTUFFS, BEVERAGES, AND TOBACCO

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES AGENT, FOOD PRODUCTS WHOLE TR H3- 5 L---5- B------
.358-018 SALES ASSOCIATE, TOBACCO PRODU WHOLE TR H3- 5 L---5- B------

263. SALESWORK, TEXTILES, TEXTILE PRODUCTS, AND APPAREL

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 SALESPERSON INFANTS AND CHILDR RET TR H3- 2 L--45- I------
.458-014 SALESPERSON MENS AND BOYS CLOT RET TR WHOLE H3- 3 L--45- I------
.458-018 SALESPERSON MILLINERY RET TR H3- 2 L--456 I------
.458-022 SALESPERSON WOMENS GARMENTS RET TR WHOLE H3- 4 L--456 I------
.458-026 SALESPERSON YARD GOODS RET TR H3- 3 L--456 I------
.358-038 SALESPERSON FASHION ACCESSORIE RET TR H3- 5 L--45- I------
.358-046 SALESPERSON MENS FURNISHINGS RET TR H3- 5 L--456 I------
.358-050 SALESPERSON SHOE RET TR H3- 3 L--456 I------

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265. SALESWORK, PAPER AND PAPER PRODUCTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, FOUNTAIN PENS WHOLE TR H3- 4 S---5- I------
.358-018 SALES ASSOCIATE, PRESSURE-SENS WHOLE TR H3- 4 S---5- I------

266. SALESWORK, CHEMICALS AND DRUG PREPARATIONS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-014 SALESPERSON COSMETICS AND TOIL RET TR H3- 4 L--456 I------

267. SALESWORK, FUEL AND PETROLEUM PRODUCTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, FUEL WHOLE TR H3- 4 L---5- B------

274. SALESWORK, HOUSEFURNISHINGS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-026 SALESPERSON CHINA AND GLASSWAR RET TR WHOLE H3- 2 L--45- I------
.358-030 SALESPERSON CURTAIN AND DRAPER RET TR WHOLE H3- 4 L---56 I------

276. SALESWORK, INDUSTRIAL, CONSTRUCTION, MINING, AND DRILLING EQUIPMENT

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-058 SALESPERSON GENERAL HARDWARE RET TR WHOLE H3- 3 L--45- I------

280. SALESWORK, TRANSPORTATION EQUIPMENT

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.458-010 SALESPERSON AUTOMOBILE ACCESSO RET TR WHOLE H3- 5 L--45- I------
.358-018 SALES ASSOCIATE, AUTOMOBILE PA WHOLE TR H3- 5 L---5- B------
.358-026 SALES ASSOCIATE, HOUSE TRAILER RET TR H3- 5 S---5- I------
.358-030 SALES ASSOCIATE, MARINE SUPPLI RET TR WHOLE H3- 5 L--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-014 SALES ASSOCIATE, AUTOMOBILE RET TR H3P 5 L--45- B------
.358-022 SALES ASSOCIATE, BOATS AND NAU RET TR WHOLE H3- 5 L--456 I------

281. SALESWORK, BUSINESS AND COMMERCIAL MACHINES AND SUPPLIES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, BARBER AND BE WHOLE TR H3- 5 L--45- I------
.358-014 SALES ASSOCIATE, BOTTLES AND B WHOLE TR H3- 5 L---5- I------
.358-022 SALES ASSOCIATE, CORDAGE WHOLE TR H3- 5 L--456 I------
.358-034 SALES ASSOCIATE, SHOE LEATHER WHOLE TR H3- 5 L---5- B------
.358-038 SALES ASSOCIATE, VENDING AND C WHOLE TR H3- 4 L---5- B------
.158-010 SALES ASSOCIATE, PRINTING SUPP WHOLE. TR. H3- 5 L---5- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 SALES ASSOCIATE, COMMERCIAL EQ RET TR H3- 4 L---5- I------
.358-018 SALES ASSOCIATE, CHURCH FURNIT RET TR WHOLE H3- 5 L--45- I------

282. SALESWORK, MEDICAL AND DENTAL EQUIPMENT, SUPPLIES, AND APPLIANCES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.258-018 SALESPERSON SURGICAL APPLIANCE RET TR H3P 5 M--45- I------

285. SALESWORK, PHOTOGRAPHIC EQUIPMENT AND SUPPLIES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-010 SALESPERSON PHOTOGRAPHIC SUPPL RET TR WHOLE H3- 5 L--45- I------

286. SALESWORK, AMUSEMENT AND SPORTING GOODS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, AMUSEMENT AND WHOLE TR H3- 4 L---5- B------
.358-014 SALES ASSOCIATE, HOBBIES AND C WHOLE TR H3P 5 S---5- I------
.358-018 SALESPERSON SPORTING GOODS RET TR WHOLE H3- 4 L--45- I------

287. SALESWORK, MUSIC AND MUSICAL INSTRUMENTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-018 SALESPERSON MUSICAL INSTRUMENT RET TR WHOLE H3P 5 L--45- I------
.358-022 SALESPERSON SHEET MUSIC RET TR H3- 5 L--45- I------

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289. SALESWORK, COMMODITIES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-022 SALES ASSOCIATE, HOUSE-TO-HOUS RET TR H3- 2 L--45- B------
.358-042 SALESPERSON BOOKS RET TR H3- 3 L--45- I------
.251-010 TOOL-RENTAL CLERK BUS SER H3- 2 H-345- B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-014 SALESPERSON GENERAL RET TR WHOLE H3- 4 L--45- I------
.358-054 SALESPERSON STAMPS OR COINS RET TR WHOLE H3- 5 L--45- I------
.158-014 SALES ASSOCIATE, CONTAINERS WHOLE TR H3- 5 L---5- I------

MISCELLANEOUS MERCHANDISING WORK (290.-299.)

Occupations in this area, like services and commodities sales, are concerned with sales transactions but with lesser requirements for product knowledge and persuasive abilities. Products or services tend to be relatively inexpensive, and the customer is able to determine choice without additional information, as is the case with a cashier-checker at a supermarket.

Cognitive demands are varied, but most typical is a combination of moderate requirements for language and mathematics. Language demands are primarily for oral communications, but may also include completion of sales records, inventory control forms, and purchase requisitions. Mathematical demands center around money exchanges, operation of cash registers, handling checks and credit cards, and using tables to determine taxes or unit costs. Point-of-sales terminals are reducing mathematical, especially computational, requirements.

Friendly contact with customers is essential for almost all occupations.

Career opportunities can include moving into commodity sales, sales management, and buyer positions--but typically demand a higher level of cognitive performance than is within the scope of this handbook.

290. SALES CLERKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		HRP	SVP	PHYS.D 123456	WK COND 1234567
.478-014 SALES CLERK	RET TR	H2-	3	L--45-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.468-018 SALES ATTENDANT	RET TR	H3-	2	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.877-010 SALESPERSON FOOD	RET TR	H3-	3	L--45-	I------
.478-010 COUPON-REDEMPTION CLERK	CLERICAL	H3-	3	L--456	I------
.468-010 GROCER	RET. TR.	H2-	2	M--45-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.468-014 MANAGER BRANCH STORE	CLEAN DYE	H3-	3	L--45-	B------

291. PEDDLING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.858-034 VENDOR	AMUSE / REC	H2-	2	M--45-	B------

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291. PEDDLING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 NEWSPAPER CARRIER	PRINT / PUB	H2-	2	L--45-	O------
.858-010 LEI SELLER	RET TR	H2P	2	L--456	B------
.858-014 LOUNGE-CAR ATTENDANT	RR TRANS	H3-	2	M2-45-	I---5--
.858-018 NEWSPAPER VENDOR, STREET	PRINT / PUB	H2-	2	L--4--	O---5--
.858-022 PEDDLER	RET TR	H2-	3	M-3456	O------
.858-026 PILLOW RENTER	MOTOR TRANS	H2-	2	L--4--	I------
.858-030 TAGGER	NONPROFIT OR	H2-	2	L---5-	O------

292. ROUTE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.468-010 LUNCH-TRUCK DRIVER	HOTEL /'REST	H2P	2	M--456	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 DRIVER HELPER, SALES ROUTE	ANY IND	-3-	2	M234--	I---5--
.483-010 COIN-VENDING-MACHINE COLLECTOR	BUS SER	-3P	3	M-34--	I------
.383-010 NEWSDEALER, DELIVERY-DRIVER	PRINT / PUB	-2P	4	M--4-6	I------
.358-010 DRIVER, SALES ROUTE	ANY IND	H3P	5	H--456	B------

293. CANVASSING AND SOLICITING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 CONTRIBUTION SOLICITOR	NONPROFIT OR	H3-	2	L--45-	B------
.358-030 TELEPHONE SOLICITOR	ANY IND	H3-	3	S---5-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.258-010 OLD-GOLD BUYER	WHOLE TR	H3-	3	L--456	I------

296. SHOPPING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 CAR LOCATOR	RET TR	H3-	3	S---5-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-010 PERSONAL SHOPPER	RET TR	H3-	5	L---52	-------

297. DEMONSTRATING AND MODELING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.868-010 MODEL — GARMENT RET H2- 3 L--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.458-010 DEMONSTRATOR — RET TR WHOLE H3- 3 L--45- I------

298. DISPLAY WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-010 BILLPOSTER — ANY IND H3- 3 M2-45- O----6-
.884-010 ADVERTISING-DISPLAY ROTATOR — BUS SER -2P 2 M234-- O------

299. MISCELLANEOUS MERCHANDISING WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CLOCK OPERATOR TOBACCO AUCTION — WHOLE TR -1- 1 L--45- I------
.887-016 COAL HIKER — RET TR -1- 2 M--4-- O------
.887-018 PORTER SAMPLE CASE — WHOLE TR -2- 2 M--4-- B------
.887-022 SAMPLE DISTRIBUTOR — BUS SER -1- 2 L2-45- O------
.887-026 SANDWICH BOARD CARRIER — ANY IND -1- 1 M----- O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.848-010 PROMOTION CHARACTER — ANY IND H2- 2 L---5- B------
.848-014 SANTA CLAUS — ANY IND H2- 2 L---5- B------
.468-014 CLOTHING CONSULTANT — RET TR H2- 2 L---5- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CLOTHING INSPECTOR — NONPROFIT OR -2- 3 L--4-- I------
.687-014 FURNITURE INSPECTOR — RET TR -3- 4 L-34-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.867-010 PLATFORM ATTENDANT — ICE H3P 3 V-34-- I2----7
.864-010 SKATE-SHOP ATTENDANT — AMUSE / REC H3P 3 L--456 I------
.858-010 CIGARETTE VENDOR — HOTEL / REST H3- 1 L--45- I------
.848-018 SOUND-TRUCK OPERATOR — AMUSE / REC H2P 2 L--45- I------
.478-010 CONTACT-LENS TECHNICIAN — RET TR H3P 3 S--45- I------
.478-014 DELIVERER, MERCHANDISE — RET TR H3P 3 M234-- B------
.468-010 CASHIER-CHECKER — RET TR H2P 2 M--45- I------
.468-018 FARMER-ROOM ATTENDANT — WHOLE TR H2- 3 S---5- I------
.468-022 WILL-CALL CLERK — RET TR H3- 3 L-4-- I------
.368-014 DISTRICT CIRCULATOR — PRINT / PUB -3P- 5 L--4-6 I------

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299. MISCELLANEOUS MERCHANDISING WORK, N.E.C. (Cont.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-030 STOCK GATHERER, WOMEN'S APPARE RET TR -2P 2 M--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 CARPET-LAYER HELPER RET TR -2P 3 H-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 DRAPERY HANGER RET TR -3P 5 M--4-- I------
.884-014 OPTICIAN DISPENSING RET TR H3P 3 L--456 I------
.877-010 BICYCLE-STAND ATTENDANT AMUSE / REC H3- 3 L---5- B------
.587-010 BAKERY CLERK RET TR H3- 4 L-345- I2-----

(3.) SERVICE
OCCUPATIONS

(3.) SERVICE OCCUPATIONS

DOMESTIC SERVICES (301.-309.)

Occupations in this area are concerned with cleaning, laundry, ironing, cooking, yardwork, and similar activities in and around a private household. Many of these occupations provide services to different households on an intermittent (e.g., weekly) basis.

Most of the occupations in this area have minimal cognitive demands. A substantial minority combine moderate language and mathematics demands. Language demands can include interpretation of verbal instructions, telephone and visitor protocol, and responding to guests being served at social occasions. Mathematical requirements can include keeping household accounts, planning food and other provisions against probable use, and following measurement and time instructions in cooking.

A significant portion of domestic service occupations have psychomotor skill demands, often associated with operation of sewing or ironing machines. Ability to interact effectively with household heads, visitors, and children is commonly essential to the work. Knowledge of sanitation and health practices, nutrition, gardening, and effective child care can be a definite asset.

Career progression opportunities are generally limited to the largest and most elaborate households.

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301. DAY WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DAY WORKER DOM SER H3P 2 L-34-- I------

302. LAUNDRY WORK, PRIVATE FAMILY

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 IRONER DOM SER -1P 2 L-34-- I------
.887-014 LAUNDERER I DOM SER -3- 2 L-34-- B------
.887-018 LAUNDERER II DOM SER -2- 2 M--4-- I--4---

303. HOUSEKEEPING, PRIVATE FAMILY

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-014 HOUSEWORKER, FARM DOM SER H3P 2 M--4-- B------

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303. HOUSEKEEPING, PRIVATE FAMILY (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 FARM HOUSEKEEPER DOM SER H3P 2 M--4-- B------

304. HOUSEMEN AND YARD WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CARETAKER DOM SER -3P 2 M--4-- B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 YARD WORKER DOM SER -3P 2 M-34-- O------

306. HOUSEWORK, DOMESTIC

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 MOTHERS HELPER DOM SER H3P 2 L-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 HOUSEWORKER, GENERAL DOM SER H3P 3 L-34-- I------

307. NURSEMAID WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 CHILD MONITOR DOM SER H3P 2 L--45- I------

309. DOMESTIC SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 COACH DRIVER DOM SER H2- 3 L--4-- I------
.878-030 LADY'S ATTENDANT DOM SER H3- 2 L--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-022 BUTLER, SECOND DOM SER H3- 3 L--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 CLOTHING MAINTENANCE SPECIALIS DOM SER H3P 3 L--4-- I------
.878-018 COMPANION DOM SER H3- 2 L--45- I------
.878-026 FOSTER PARENT DOM SER H3- 2 L-34-- I------
.878-034 GENTLEMEN'S ATTENDANT DOM SER H3- 3 L--4-- I------

FOOD AND BEVERAGE PREPARATION AND SERVICE (310.-319.)

Occupations in this area are concerned with preparing foods and beverages and serving them to patrons of such establishments as hotels, restaurants, clubs, and cocktail lounges.

A majority of the occupations in this area have only minimum cognitive demands. A substantial proportion of them, however, demand moderate language and mathematics capabilities. Language demands involve taking food orders and passing instructions within a kitchen. Reading may involve the interpretation of menus or recipes. Writing may include the abbreviated menu entries of the type used to communicate food orders within an establishment. Understanding of special food terminology may be necessary in establishments which serve nationality food dishes, wines, or other relatively uncommon foods or beverages. Mathematical demands are generally limited to totalling a check, applying units of measure to a recipe, and increasing or decreasing the measures of a recipe to prepare an appropriate amount of food.

Regular contact with customers or other members of the food team is typical. Health certificates are frequently required to indicate freedom from communicable diseases.

Career progression opportunities in smaller low-priced establishments are mostly limited to assumption of owner or general management roles. In larger and higher-priced establishments there may be opportunities to move into a variety of responsible roles on the service and cooking staffs.

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310. FOOD AND BEVERAGE SERVICE, EXCEPT SHIP STEWARDS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 HOST/HOSTESS, RESTAURANT OR CO HOTEL / REST H3- 2 L---5- I------

311. FOOD SERVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010	DINING ROOM ATTENDANT	HOTEL / REST	H2-	2	M-345- I------
.878-018	COOK STEAM TABLE	RR TRANS	H2-	3	M2-4-- I-345--
.878-022	COUNTER ATTENDANT, CAFETERIA	HOTEL / REST	H2-	3	L--45- I------
.878-030	CRIB OPERATOR	HOTEL / REST	H2-	3	L--45- I------
.878-034	CAFETERIA ATTENDANT	HOTEL / REST	H2-	2	L--4-- I------
.878-038	RAW SHELLFISH PREPARER	HOTEL / REST	H2P	2	L--45- I------
.878-046	WAITER/WAITRESS, BUFFET	HOTEL / REST	H1-	3	L--4-- I------
.878-070	WAITER/WAITRESS, CAMP	ANY IND	H2-	2	L--45- I------
.878-074	WAITER/WAITRESS, TAKE OUT	HOTEL / REST	H2-	3	L--45- I------

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311. FOOD SERVICES (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-026 COUNTER ATTENDANT, LUNCHROOM HOTEL / REST H2- 3 L--45- I------
.878-062 WAITER/WAITRESS, OUTSIDE DELIV HOTEL / REST H2P 3 L--45- B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 CAR HOP HOTEL / REST H2- 2 L--45- O------
.878-042 WAITER/WAITRESS, BAR HOTEL / REST H2- 3 L--45- I------
.878-050 WAITER/WAITRESS, DINING CAR RR TRANS H2- 3 M2-45- I---5--
.878-054 WAITER/WAITRESS, FORMAL HOTEL / REST H3- 3 L--45- I------
.878-058 WAITER/WAITRESS, INFORMAL HOTEL / REST H3- 3 L2-45- I------
.878-066 WAITER/WAITRESS, ROOM SERVICE HOTEL / REST H2- 3 L--45- I------

312. BARTENDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BARTENDER HELPER HOTEL / REST -2- 2 M-345- I------
.887-014 TAPROOM ATTENDANT HOTEL / REST -1- 1 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-014 BARTENDER HOTEL / REST H3- 3 L--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BAR ATTENDANT HOTEL / REST H3- 2 L--45- I------

313. COOKING, LARGE HOTELS AND RESTAURANTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COOK HELPER PASTRY HOTEL / REST -2- 3 H-34-- I23--6-
.884-010 BAKER HELPER HOTEL / REST -2- 3 H-34-6 I-3--6-
.381-030 COOK BARBECUE HOTEL / REST -3- 5 M-34-- I-3--6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.381-042 COOK SPECIALTY FOREIGN FOOD HOTEL / REST H3- 4 M--4-- I-3--6-

314. COOKING, SMALL HOTELS AND RESTAURANTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 COOK, SHORT ORDER II HOTEL / REST H3- 3 L--45- I------
.781-010 COOK SPECIALTY HOTEL / REST H3- 5 M--456 I-3----

316. MEATCUTTING, EXCEPT IN SLAUGHTERING AND PACKING HOUSES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 DELI CUTTER-SLICER — RET TR -2P 3 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 BUTCHER CHICKEN AND FISH — HOTEL / REST -3P 4 H--4-6 I2-4-67

317. MISCELLANEOUS FOOD AND BEVERAGE PREPARATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 PACKER — HOTEL / REST -2- 3 L--4-- I------
.884-010 COFFEE MAKER — HOTEL / REST -2- 3 M--4-- I-3----
.884-014 SALAD MAKER — WATER TRANS -3- 5 L--4-- I------
.884-022 SANDWICH MAKER — HOTEL / REST H2- 4 L--4-- I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 PANTRY GOODS MAKER HELPER — HOTEL / REST -2- 3 M-34-6 I234-6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-014 FORMULA-ROOM WORKER — MEDICAL SER. -3- 3 L--4-- I------

318. KITCHEN WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 KITCHEN HELPER — HOTEL / REST -2- 2 H-345- I-34-67
.887-014 SCULLION — WATER TRANS -2- 3 H--4-- I--4-6-
.887-018 SILVER WRAPPER — HOTEL / REST -1- 1 M--4-- I------

319. FOOD AND BEVERAGE PREPARATION AND SERVICE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COUNTER-SUPPLY WORKER — HOTEL / REST -2- 2 M--4-- I------
.884-010 FOOD ASSEMBLER COMMISSARY KITC — HOTEL / REST -2- 2 L--4-- I------
.874-010 CATERER HELPER — PER SER H2- 3 L--45- I------
.468-010 ORDER CLERK FOOD AND BEVERAGE — HOTEL / REST H2- 3 S--45- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-010 FOUNTAIN SERVER — HOTEL / REST H3- 3 L--45- I------
.468-014 FOOD ORDER EXPEDITER — HOTEL / REST H2- 3 L--456 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.864-010 AUTOMAT-CAR ATTENDANT — RR TRANS H3- 3 L--45- I---5--

LODGING AND RELATED SERVICE (323.-329.)

Occupations in this area include cleaning; general upkeep; making beds and changing linen; delivery of ice and beverages; carrying packages or luggage; running errands; and escorting clients to rooms in hotels, motels, restaurants, hospitals, and similar establishments. The number of occupational titles is small but there are likely to be numerous positions under each title in metropolitan areas.

Opportunities are spread among occupations with only minimum cognitive demands, with only moderate mathematics demands, and with both moderate language and mathematics demands. Language demands stem from oral communication with patrons to define desired services and recording of services for purposes of billing. Mathematics demands derive from computing charges for services.

Bellpersons and others in related positions come into frequent contact with the public. Persons in housekeeping positions do not usually have regular direct contact with the public, and these positions also tend to have minimum cognitive demands.

Opportunities for career advancement tend to be limited in this area except for possible movement from housekeeping to more direct client service and into supervisory positions in organizations employing a large service staff.

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323. MAID AND RELATED SERVICES, HOTELS, RESTAURANTS, AND RELATED

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 CLEANER, HOSPITAL — MEDICAL SER -2- 2 L-34-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 HOUSE CLEANER — HOTEL / REST -2- 3 H234-- I------

.887-014 CLEANER, HOUSEKEEPING — ANY IND -2- 2 L234-- I--4---

324. BELLMAN AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-018 DOORKEEPER — ANY IND H3- 2 M--45- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BAGGAGE PORTER — HOTEL / REST H3- 2 H2345- I------

.878-014 BELLHOP — HOTEL / REST H3- 2 M--45- I------

.878-022 ROOM-SERVICE CLERK — HOTEL / REST H3- 2 L--4-- I------

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329. LODGING AND RELATED SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CAMP ATTENDANT — ANY IND -2- 2 M234— I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 ATTENDANT LODGING FACILITIES — HOTEL / REST H3- 2 M-345- I---+--
.478-010 RECEIVING-ROOM CLERK — HOTEL / REST -3- 2 M--45- I------

BARBERING, COSMETOLOGY, AND RELATED SERVICES (330.-339.)

Occupations in this area are concerned with providing personal grooming services to individuals. Typical of the services are cutting and shaping hair, providing shampoo and scalp treatments, shaping and polishing fingernails, and providing massages at reducing salons or health facilities. While there are only twelve occupations listed, the number of employment opportunities are quite large for some of the occupations.

Most of the occupations have a moderate level of demand for language skills due to the need to interpret a customer's instructions and to carry out the casual conversation that is typical of the work relationship with a customer. Where mathematics demands are present, they are most often in regard to the need to deal with money and make change or prepare tinting or bleaching solutions according to formulas and using a variety of measures. Perceptual processing demands center around the performance of such tasks as shaping fingernails to an appropriate contour and coordinating a customer's hair style with facial features and to specific instructions.

All of the occupations involve direct contact with the public and therefore have a moderate level of demand in the area of human relations. Psychomotor skill is required by most of the occupations, generally in regard to finger dexterity and the use of scissors, razors, and similar instruments in the performance of services for the customer.

Opportunities for career progression are rather limited except for possible movement into ownership of smaller establishments or into management aspects of larger establishments.

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330. BARBERING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.371-010 BARBER — PER SER — H3P 5 L--4-6 I------
.371-014 BARBER APPRENTICE — PER SER — H3P 5 L--4-6 I------

331. MANICURING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.878-010 MANICURIST — PER SER — H2P 3 S--4-6 I------

334. MASSEUR AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 REDUCING-SALON ATTENDANT PER SER H2- 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 RUBBER PER SER H2P 2 M--45- I-34-6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 MASSEUR PER SER H2P 3 M--45- I------

335. BATH ATTENDANT WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 COOLING-ROOM ATTENDANT PER SER H2- 2 L-345- I------
.878-014 HOT-ROOM ATTENDANT PER SER H2- 2 M--45- I-34---

339. BARBERING, COSMETOLOGY, AND RELATED SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 REDUCING-MACHINE OPERATOR PER SER H2- 2 L----- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 SUPPLY CLERK PER SER H3- 3 L--4-- I--4---
.371-014 SCALP-TREATMENT OPERATOR PER SER H2P 4 L--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.868-010 TATTOO ARTIST PER SER H3P 3 S--456 I------

AMUSEMENT AND RECREATION SERVICES (340.-349.)

Occupations in this area provide services to clients of facilities such as bowling alleys, golf courses, skating rinks, theaters, amusement parks, and sport stadiums.

A majority of these occupations make moderate demands for both language and mathematics. There are also substantial numbers of opportunities in occupations which make only minimum cognitive demands and in occupations which make moderate cognitive demands only for mathematics. Language demands primarily involve oral communications about available and desired services and their costs. Mathematics demands center on the collection of money and the making of change.

Regular contact with the public is characteristic of these occupations. Psychomotor skills are sometimes necessary to demonstrate techniques. Mechanical skills can be an asset for routine maintenance of rides and similar equipment.

Occupations in this area are frequently seasonal. Opportunities for career progression are usually quite limited except for movement into supervisory or management positions.

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340. BOWLING ALLEY AND BILLIARD PARLOR SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 PIN SETTER — AMUSE / REC -2- 1 M-34-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 RACKER — AMUSE / REC H2- 2 L--45- I------
.368-010 DESK CLERK, BOWLING FLOOR — AMUSE / REC H3- 3 L--45- I------

341. GOLF COURSE, TENNIS COURT, SKATING RINK, AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GOLF-RANGE ATTENDANT — AMUSE / REC -2- 2 M-34-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 CADDIE — AMUSE / REC H3- 2 H--4-6 O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.865-010 SKI-TOW OPERATOR — AMUSE / REC H3P 3 L--45- O------
.368-010 RECREATION-FACILITY ATTENDANT — AMUSE / REC H3- 3 L---5- B------

342. AMUSEMENT DEVICE AND CONCESSION WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.867-014 BOAT ATTENDANT — AMUSE / REC H2- 3 L23456 O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 RIDE ATTENDANT — AMUSE / REC H2- 2 L--45- O------
.877-010 CABANA ATTENDANT — AMUSE / REC H3- 3 M-345- O------
.867-010 BOAT DOCK OPERATOR — AMUSE / REC H3- 3 L23456 O--4---
.867-018 WHARF ATTENDANT — AMUSE / REC H3P 3 M23456 O--4-6-
.865-010 FUN-HOUSE OPERATOR — AMUSE / REC H3- 3 L--45- B---5--
.863-010 RIDE OPERATOR — AMUSE / REC H3P 3 L--45- O------
.858-014 BARKER I — AMUSE / REC H2- 2 L---5- O------
.858-018 CONCESSION ATTENDANT — AMUSE / REC H3- 3 L--45- B------
.858-022 SHILL — AMUSE / REC H3- 2 L--4-- B------
.858-026 SHOOTING GALLERY OPERATOR — AMUSE / REC H3- 3 L--456 O------
.858-030 WEIGHT GUESSER — AMUSE / REC H3- 3 L--456 O------

343. GAMBLING HALL SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 CARDROOM ATTENDANT — AMUSE / REC H2- 2 L---5- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 PLASTIC-CARD GRADER CARDROOM — AMUSE / REC -2- 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.858-010 BOOSTER — AMUSE / REC H3- 2 L---5- I------
.468-010 CARDROOM ATTENDANT — AMUSE / REC H3- 4 L--45- I------
.468-014 BINGO CHECKER — AMUSE / REC H2- 2 L--45- I------
.468-018 GAMBLING DEALER — AMUSE / REC H3- 3 M--456 I------
.468-022 DICE-GAME ATTENDANT — AMUSE / REC H3- 2 L--456 I------
.368-010 CARD PLAYER — AMUSE / REC H3- 4 S--4-- I------

344. USHERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-018 SPOTTER II — AMUSE / REC H1- 2 L--45- I------
.868-010 TICKET TAKER — AMUSE / REC H2- 2 L--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 LOBBY ATTENDANT — AMUSE / REC H3- 2 L--45- I------
.878-022 USHER — AMUSE / REC H2- 2 L---5- I------

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344. USHERING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 PRESS-BOX CUSTODIAN — AMUSE / REC H3- 2 L--4-- I------
.138-010 USHER HEAD — AMUSE / REC H3- 4 L---5- B------

346. WARDROBE AND DRESSING-ROOM SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 DRESSER — PER SER -1- 2 L--4-- I--4---
.878-018 JOCKEY VALET — AMUSE / REC -2- 3 L--4-- O------
.878-022 SECOND — AMUSE / REC -2- 3 S-34-- I---5--
.878-030 WARDROBE ATTENDANT — AMUSE / REC -2- 3 L--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 DRESSER — AMUSE / REC -2- 3 L--4-6 I------
.878-026 STAND-BY — MOTION PIC -2- 2 L--4-- I------
.878-034 WARDROBE SUPERVISOR — AMUSE / REC -2- 3 L--456 I------
.878-038 COSTUMER ASSISTANT — MOTION PIC R -2P 3 L--4-6 I------
.687-010 COLORS KEEPER — AMUSE / REC -2- 1 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 JOCKEY-ROOM CUSTODIAN — AMUSE / REC H3- 3 L---56 I------

349. AMUSEMENT AND RECREATION SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 BAT KEEPER — AMUSE / REC -2- 2 L-34-- O------
.878-014 CHILDREN'S ATTENDANT — AMUSE / REC H2- 2 L---56 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-014 RECEIVING-BARN CUSTODIAN — AMUSE / REC H3- 3 L---56 B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.780-010 TICKET DISPENSER CHANGER — AMUSE / REC -3- 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-018 DRIVE-IN THEATER ATTENDANT — AMUSE / REC H2- 2 L--456 O------
.868-010 HOSTESS — AMUSE / REC H3P 2 L2---- I------
.868-014 HOSTESS HEAD — AMUSE / REC H3- 2 L---5- I------
.685-010 SCOREBOARD OPERATOR — AMUSE / REC H3- 3 S---56 B------

MISCELLANEOUS PERSONAL SERVICES (350 thru 353. & 357. thru 359.)

Occupations in this area are concerned with rendering a variety of personal services to the passengers of transportation systems, such as handling baggage and serving food, and with escorting and/or providing guide services to individuals and groups on tour through places of interest.

A majority of the occupations require moderate language capabilities or a combination of moderate language and mathematics capabilities. Language demands most often stem from a need to verbally communicate with passengers to determine destinations or lodging requirements, interpret luggage and ticketing materials, provide verbal descriptions of points of interest, or respond to questions posed by travelers or sightseers. Mathematics requirements most often are in regard to maintaining records and tabulations of passenger data and computing or measuring weights and charges for luggage or other passenger services.

A moderate level of human relations capability is demanded by a majority of the occupations as a result of the need to interact directly with the public. Income from tips is strongly associated with human relations capabilities in many of the occupations.

Career progression opportunities are generally limited even in the larger transportation and tourist facilities. New technology in transit and baggage handling systems is likely to offset any job opportunities which would accrue from increased use of transportation facilities for business and leisure travel.

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350. SHIP STEWARD SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 MESS ATTENDANT — WATER TRANS H2- 3 M2-45- I------
.878-022 STEWARD/STEWARDESS, BATH — WATER TRANS H2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 PASSENGER ATTENDANT — WATER TRANS H2- 5 M--45- I------
.878-018 STEWARD/STEWARDESS — WATER TRANS H2- 3 M-345- B------
.878-034 WAITER/WAITRESS — WATER TRANS H2- 3 H2-45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-026 STEWARD/STEWARDESS, WINE — WATER TRANS H2- 3 M--4-- I------
.878-030 STEWARD/STEWARDESS — WATER TRANS H2- 3 L2345- I------
.368-010 STEWARD/STEWARDESS, LIBRARY — WATER TRANS H3- 5 M--45- I------

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351. RAIL PASSENGER SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 TRAIN ATTENDANT	RR TRANS	H2-	2	M2-4--	I------	

352. HOSTESS AND STEWARD SERVICE, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-018 CLUB ATTENDANT	HOTEL / REST	H3-	3	L-----	I------	
.868-014 PARLOR CHAPERON	HOTEL / REST	H3-	2	L---5-	I------	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 AIRPLANE FLIGHT ATTENDANT	AIR TRANS	H3-	3	L2-45-	I---5--	
.878-014 BUS ATTENDANT	MOTOR TRANS	H3-	2	L2-45-	I------	
.878-022 PASSENGER ATTENDANT, TRAIN	RR TRANS	H3-	3	L2-45-	----5--	
.868-010 HOST/HOSTESS	ANY IND	H3-	2	L---5-	I------	

353. GUIDE SERVICE, EXCEPT HUNTING AND FISHING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-014 ESCORT	ANY IND	H2-	2	L-----	I------	
.868-018 TRUCK ESCORT	ANY IND	H2-	2	L---5-	B------	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 DUDE WRANGLER	AMUSE / REC	H3-	2	M2-45-	O------	
.368-014 GUIDE	PER SER	H3-	3	L---5-	I------	
.368-022 GUIDE FACTORY	ANY IND	H3-	3	L---5-	B------	
.368-026 GUIDE SIGHTSEEING	PER SER	H3P	4	L--456	I------	

357. BAGGAGE PORTER SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 PORTER	AIR TRANS MO	H1-	2	H--45-	B---5--	

358. CHECKROOM, LOCKER ROOM, AND RESTROOM SEVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CHANGE-HOUSE ATTENDANT	ANY IND	-1-	2	M--4--	I--4---	
.878-018 CLUBHOUSE ATTENDANT	AMUSE / REC	H2-	2	L-34--	B------	
.878-022 LOCKER-ROOM ATTENDANT	PER SER	H2-	3	L--4-6	I------	
.878-030 REST-ROOM ATTENDANT	ANY IND	H2-	2	L-34-	I-----7	

358. CHECKROOM, LOCKER ROOM, AND RESTROOM SERVICES (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-014 CHECKROOM ATTENDANT	ANY IND	H2-	2	L--45-	I------
.878-026 FACTORY STAFF ATTENDANT	ANY IND	H2-	2	L-3---	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BAGGAGE CHECKER	MOTOR TRANS	H2-	3	M-34--	I------

359. MISCELLANEOUS PERSONAL SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PALLBEARER	PER SER	-1-	1	H--4--	B------
.885-010 CREMATOR	PER SER	-2-	3	M--4--	I-3---7
.878-030 WATER CARRIER	AGRIC	-1-	2	M--4--	O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 CHAUFFEUR FUNERAL CAR	PER SER	H2P	4	H--4-6	I------
.878-014 CHILD-CARE ATTENDANT	GOV SER	H3-	3	M--456	I---5--
.878-018 FUNERAL ATTENDANT	PER SER	H3-	3	M--45-	I------
.878-022 KINDERGARTNER	ANY IND	H3-	3	L--45-	I------
.878-026 TEACHER NURSERY SCHOOL	ANY IND	H3-	4	L--45-	I---5--
.868-010 CHAPERON	PER SER	H3-	2	L---56	I------
.868-014 ESCORT	PER SER	H3-	2	L---5-	I------
.868-018 HALL ATTENDANT	ANY IND	H3-	2	L--45-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BLIND AID	PER SER	H3P	3	L--456	I------
.873-010 CHAUFFEUR	DOM SER	H2P	3	L--4-6	I------

PRACTICAL NURSING, ATTENDANT WORK, AND RELATED SERVICES (354.-355.)

Occupations in this area provide routine care and therapeutic services to patients, including giving baths, feeding, attending to physical comfort and appearance, assisting women in childbirth, and providing similar services where licensing is not required.

Most occupations in this area demand moderate language and mathematics capabilities, although there are lesser numbers of opportunities demanding moderate mathematics only and a few demanding only minimum cognitive capabilities. Language demands center around understanding and responding properly to patient requests and understanding the instructions of supervisory personnel. Instructions commonly include specialized medical and health terminology and the ability to read medical terms can be critical to the avoidance of mistakes which might jeopardize the well-being of a patient. Mathematics demands may include measuring patient characteristics such as temperature, pulse, and blood pressure; measuring substances to be administered to the patient; and recording quantitative data on charts and other records. Arithmetic procedures are usually not difficult but accuracy is tremendously important.

A supportive interaction with patients is almost always important. Knowledge of the basic principles of sanitation and health may be required.

Career progression is almost always a matter of achieving a higher level of independent responsibility, although these occupations even at the highest levels are almost invariably performed under the direct cognizance of health professionals.

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354. UNLICENSED MIDWIFE AND PRACTICAL NURSING SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-018 BIRTH ATTENDANT — MEDICAL SER H3- 4 M--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 FIRST-AID ATTENDANT — ANY IND H3- 3 M--456 B------
.878-014 HOME ATTENDANT — PER SER H3- 3 L--4-- B------
.878-022 NURSE PRACTICAL — MEDICAL SER H3- 4 H-345- I-----7

355. ATTENDANT WORK, HOSPITALS, MORGUES, AND RELATED HEALTH SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 ATTENDANT PHYSICAL THERAPY — MEDICAL SER H3- 3 L--4-- I------

355. ATTENDANT WORK, HOSPITALS, MORGUES, AND RELATED HEALTH SERVICES (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 MORGUE ATTENDANT	MEDICAL SER	-2-	3	M--4--	I------
.878-018 CHILD-CARE ATTENDANT SCHOOL	PER SER	H3-	2	M-3456	I------
.878-026 EMERGENCY-ENTRANCE ATTENDANT	MEDICAL SER	H2-	2	M-345-	I------
.687-010 CLOTHES-ROOM WORKER	MEDICAL SER	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 AMBULANCE ATTENDANT	MEDICAL SER	H3-	4	V-34--	I------
.878-022 COTTAGE PARENT	MEDICAL SER	H3-	3	L--456	B------
.878-030 HOSPITAL GUIDE	MEDICAL SER	H2-	2	L--4--	I------
.878-034 NURSE AID	MEDICAL SER	H3-	4	L-345-	I----67
.878-038 ORDERLY	MEDICAL SER	H3-	4	V--45-	I-----7
.878-042 PSYCHIATRIC AID	MEDICAL SER	H3-	4	H---5-	I------
.878-046 TRAY-LINE WORKER	MEDICAL SER	-3-	2	L--4--	I------

ANIMAL CARE (356.)

Occupations in this area are concerned with boarding, grooming, cleaning, training, or treating animals in such environments as kennels, veterinary hospitals, pet stores, zoos, and animal pounds.

The greatest concentration of opportunities in this area involves a combined demand for language and mathematics capabilities although there are some opportunities associated with occupations which demand only minimum cognition, a moderate language capability only, moderate perceptual reasoning only, or a combination of language and perceptual processing. Language demands relate to communications about animal characteristics and care, often in rather specialized terms. Mathematics demands usually stem from the need to mix feeds and medicines, stock supplies, and handle money exchanges and records. Demands for perceptual processing can derive from detection and evaluation of subtle changes in the health or condition of an animal from postural, behavioral, color, textural, or moisture cues. Aesthetic grooming may also demand perceptual processing.

Understanding of basic animal biology can be a definite asset to handling occupations in this area.

Opportunities for on-the-job progression from unskilled helper to a responsible and skilled subprofessional worker are frequently good.

356. ANIMAL CARE, N.E.C.

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				HRP	SVP	123456 1234567
Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MINIMUM				
.874-026 DOG-POUND ATTENDANT			AGRIC	-2-	2	L--4-- I------
.874-034 HORSE PUSHER			AGRIC	-1-	2	L----- I-----7
Language: MODERATE	Mathematics: MINIMUM	Perceptual Processing: MINIMUM				
.877-010 PET SHOP ATTENDANT			RET TR	H2-	2	L--4-- I------
Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MODERATE				
.874-022 DOG GROOMER			PER SER	-2P	4	L--4-6 I------
Language: MODERATE	Mathematics: MODERATE	Perceptual Processing: MINIMUM				
.874-010 ANIMAL CARETAKER			AGRIC MEDICA	-3-	5	H-34-- I----67
.874-014 ANIMAL KEEPER			AMUSE / REC	-3-	4	H23456 O----67
.874-018 AQUARIST			AMUSE / REC	-3-	4	L--4-6 I--4---
.874-030 GENERAL HELPER LABORATORY			DRUG PREP	-2-	3	M-34-- I------
.874-042 STABLE ATTENDANT			ANY IND	-2-	2	H--4-- I-----7
.874-046 VETERINARY-HOSPITAL ATTENDANT			MEDICAL SER	-3-	3	H-34-- I-----7

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356. ANIMAL CARE, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.874-038 KENNEL ATTTENDANT AGRIC -2P 3 H--4-- B---5--

APPAREL AND FURNISHINGS SERVICES (361.-369.)

Occupations in this area are concerned with laundering, dry cleaning, pressing, dyeing, repairing, and similar functions to improve the appearance or extend the life of clothing, household furnishings, shoes, and luggage.

About half of the occupations in this area make minimum cognitive demands, about one-quarter make moderate demands only for perceptual processing, and the remainder make moderate language and/or mathematics demands either with or without associated perceptual processing demands. Perceptual processing may be demanded in the sorting of fabrics and other materials, estimating service requirements for damaged or worn goods, and in guiding the quality of finished repairs. Language and mathematics demands are most likely to be significant in smaller establishments where customer contact is intermixed with other service processes, resulting in a demand for customer communication and financial transactions.

Moderate psychomotor skill may be required in the use of tools and operation of equipment, although automation and human engineering advances are tending to reduce these requirements. Basic knowledge of chemistry, especially as it relates to health and safety, can be a definite asset because of the variety of potentially dangerous substances associated with processes in this area.

Career advancement opportunities are mostly associated with the move from helper roles to individual responsibility and to the assumption of supervisory or management roles.

361. LAUNDERING SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-014	LEGGER OVERALL	LAUND	-1-	1	L--4--	I-34---
.887-022	WASHER HAND	LAUND	-1P	3	M-34-6	I--4---
.886-010	WASHER HELPER MACHINE	LAUND	-1-	1	M--4--	I--45--
.886-014	WASHING-MACHINE LOADER AND PUL	LAUND	-1-	1	H--4--	I--45-7
.885-010	CARDING-MACHINE OPERATOR	LAUND	-2P	2	L--4--	I--45--
.885-014	CONDITIONER-TUMBLER OPERATOR	LAUND	-2-	2	M--4--	I-345--
.885-018	CONTINUOUS-TOWEL ROLLER	LAUND	-2P	2	L-34--	I--4--7
.885-022	LAUNDRY WORKER II	ANY IND	-3P	2	M-34--	I-34---
.885-030	STARCHER	LAUND	-2-	2	L--4--	I----6-
.884-010	LAUNDRY WORKER, HAND	LAUND	-2P	2	M--4--	I--4---
.884-014	LAUNDRY WORKER I	ANY IND	-2P	2	M--4--	I--4---
.687-010	ASSEMBLER WET WASH	LAUND	-2-	2	M--4--	I---5--
.687-014	CLASSIFIER	LAUND	-1-	2	M-34-6	I------
.687-018	DETACHER	LAUND	-1P	2	L--4--	I------
.687-022	LINEN GRADER	LAUND	-2-	2	L--4-6	I------
.587-010	FLATWORK TIER	LAUND	-2-	2	L--4--	I------

363. PRESSING SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DETACHED-COLLAR FINISHER	LAUND	-1P	1	L--4--	I-3----
.887-014 GLOVE FORMER	CLEAN DYE	-1-	2	L--4--	I------
.887-018 IRONER SOCK	LAUND	-1-	1	L--4--	I-34---
.887-022 PUFF IRONER	LAUND	-1-	1	L--4--	I------
.887-026 STRETCHER-DRIER OPERATOR	CLEAN DYE	-2P	2	L--4--	I------
.885-010 HANDKERCHIEF PRESSER	LAUND	-1P	2	L--4--	I------
.885-014 PRESS OPERATOR	LAUND	-2P	3	L-34--	I-34---
.885-018 PRESS OPERATOR AUTOMATIC	LAUND	-2P	3	L--4--	I------
.884-018 IRONER CORONETS	LAUND	-3P	4	L--4-6	I-34---
.884-022 PRESSER HAND	ANY IND	-2P	2	L--4-6	I-34---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 ALL-AROUND PRESSER	CLEAN DYE	-3P	5	M-34--	I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 FLATWORK FINISHER	LAUND	-1P	2	L--4--	I-34---
.885-022 PRESSER FORM	ANY IND	-2P	2	L--4--	I------
.885-026 SHIRT PRESSER	LAUND	-2-	2	L--4--	I-34---
.884-010 BLOCKER	CLEAN DYE	-2P	3	L--4--	I-34---
.884-014 HAT BLOCKER	CLEAN DYE	-2P	4	L--4--	I-34---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-014 LEATHER FINISHER	CLEAN DYE	-3-	4	L-34--	I------
.782-018 PRESSER MACHINE	ANY IND	-3P	4	L-34--	I-34---
.781-010 SILK FINISHER	CLEAN DYE	-3P	3	L--4--	I-34---

364. DYEING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DYER HELPER	CLEAN DYE	-2-	3	M--4--	I-345--
.887-014 RUG STEAMER	CLEAN DYE	-2P	2	M--4--	I-34---
.887-018 RUG-DYER HELPER	CLEAN DYE	-2P	3	M-34--	B--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 SHOE DYER	PER SER	-2-	3	L--4-6	I------7
.884-018 SPRAYER LEATHER	CLEAN DYE	-2P	4	L--4-6	I------7

365. SHOE AND LUGGAGE REPAIR AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 SHOE-REPAIRER HELPER	PER SER	-2P	4	L--4-6	I------

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361. LAUNDERING SERVICE (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-034 WASHER MACHINE	LAUND	-3-	4	M-34--	I--456-
.687-026 SHORTAGE CLERK	LAUND	-2-	3	L--45-	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.488-010 PRICING CLERK	LAUND.	-2P	3	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LAUNDRY LABORER	LAUND	-2P	1	H-34--	I-34---
.887-018 SHAKER WEARING APPAREL	LAUND	-1P	1	L-34-6	I--4---
.885-026 PATCHING-MACHINE OPERATOR	LAUND	-2P	2	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 RUG CLEANER MACHINE	CLEAN DYE	-3P	4	H--4--	I------

362. DRY CLEANING SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 LINING SCRUBBER	CLEAN DYE	-1-	1	L--4--	I-----7
.887-018 SHAVER	CLEAN DYE	-1-	2	L--4--	I------
.886-010 DRY-CLEANER HELPER	CLEAN DYE	-2P	2	M--4--	I--4---
.886-014 HAT CLEANER	CLEAN DYE	-2P	2	L--4--	I--4---
.885-010 FEATHER RENOVATOR	LAUND	-1P	2	L--4--	I---5--
.884-026 LEATHER CLEANER	CLEAN DYE	-2P	3	L--4-6	I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 DRY CLEANER HAND	CLEAN DYE	-2P	3	L--4-6	I--4--7
.884-014 FUR CLEANER	CLEAN DYE	-3P	5	L--4-6	I-----7
.884-018 FUR CLEANER HAND	CLEAN DYE	-2P	4	L--4-6	I-----7
.884-022 FURNITURE CLEANER	CLEAN DYE	-3P	4	M-34-6	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 GLOVE CLEANER HAND	CLEAN DYE	-1P	2	L--4--	I--4---
.887-022 STEAMER	CLEAN DYE	-1-	1	L--4--	I-34---
.886-018 RUG-CLEANER HELPER	CLEAN DYE	-2P	2	M-34--	I--4---
.884-030 SPOTTER	LAUND	-2-	4	L--4-6	I--4-6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-010 DRY CLEANER	CLEAN DYE	-3-	5	M-34-6	I--4---
.782-014 DRY-CLEANER APPRENTICE	CLEAN DYE	-3-	5	M-34-6	I--4---

366. SHOE SHINING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.878-010 BOOTBLACK	PER SER	H2P	2	L-344-	I------

369. APPAREL AND FURNISHINGS SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 LAUNDRY WORKER III	ANY IND	-2P	3	L-34--	I------
.885-010 FUR BLOWER	RET TR	-2-	2	L--4--	I------
.885-018 FUR-GLAZING-AND-POLISHING-MACH	CLEAN DYE	-3-	4	L--4-6	I------
.885-022 RUG-CONVEYOR OPERATOR	CLEAN DYE	-2P	2	H--4--	I--4---
.885-026 RUG-DRY-ROOM ATTENDANT	CLEAN DYE	-2P	2	M--4--	I------
.885-030 SHIRT-FOLDING-MACHINE OPERATOR	GARMENT LAUN	-2P	2	L--4--	I------
.885-034 TUMBLER OPERATOR	CLEAN DYE	-2P	2	M--4--	I--45--
.884-030 UMBRELLA REPAIRER	ANY IND	-2P	4	L--4--	I------
.587-010 VAULT CUSTODIAN	CLEAN DYE	H3-	4	M--456	I------
.478-010 CURB ATTENDANT	CLEAN DYE	H2-	2	L--45-	B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 FUR GLAZER	CLEAN DYE	-2P	2	L--4--	I-----7
.884-022 LAUNDRY OPERATOR	LAUND	-3P	3	L--4--	I-345--
.877-010 LAUNDERETTE ATTENDANT	CLEAN DYE	H3-	3	L--456	I------
.782-010 CLEANER AND PRESSER	CLEAN DYE	-3P	5	M--4-6	I-34-6-
.782-014 FUR IRONER	CLEAN DYE	-3P	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 FOLDER	LAUND	-2P	2	L--4-6	I--45--
.887-018 MARKER	CLEAN DYE	-3P	3	M--4--	I------
.886-010 FOLDING-MACHINE OPERATOR	LAUND	-2-	2	L--4--	I------
.884-018 HATTER HELPER	CLEAN DYE	-2P	3	L--4--	I-34---
.687-010 ASSEMBLER	CLEAN DYE	-2-	1	L--4--	I------
.687-014 CHECKER	CLEAN DYE	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.478-014 SERVICE-ESTABLISHMENT ATTENDAN	PER SER	H3-	3	L--45-	I------
.387-010 RUG MEASURER	CLEAN DYE	-3-	4	L-34--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014 FUR CLEANER MACHINE	CLEAN DYE	-2-	3	L--4-6	I---5--
.884-026 RUG CLEANER HAND	CLEAN DYE	-3P	5	V-34-6	I--4---
.687-018 INSPECTOR	CLEAN DYE	-2-	2	L--4-6	I------
.687-022 RUG INSPECTOR	CLEAN DYE	-3P	4	L--4-6	I---5--

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HRP SVP 123456 1234567

369. APPAREL AND FURNISHINGS SERVICES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.468-010 REPAIR ESTIMATOR PER SER H3- 3 S----- I------

PROTECTIVE SERVICES (371.-379.)

Occupations in this area are concerned with preventing or minimizing the social detriment of accidents, crimes, fires, and similar occurrences. Employment may be either by government or private organizations. Patrol and officer occupations of government service police units are not included as they exceed the moderate cognitive performance levels of this handbook.

About half of the occupations in this area demand a combination of moderate language and mathematics capabilities and there is a substantial portion of the remainder which require moderate language capabilities only. Language demands derive from queries and requests for directions, using hand signals as in directing traffic, the issuing of warnings and instructions, interrogation and recording of responses, carrying out two-way radio and telephone communications, testifying in legal proceedings, and maintaining logs and records of activities. Mathematics demands may involve calibration of alarm equipment, verifying fire extinguisher pressures and weights, and making measurements at the scene of accidents and crimes. Perceptual processing plays an important role in a number of the occupations due to activities such as matching photographs with individuals; noting features and characteristics that will aid in identification; noting subtle details that may lead to suspicion; and judging the speed, size, distance, and direction of vehicles.

Interactions with the public or large numbers of employees are required in many of the occupations, sometimes in an emotional context. A role may sometimes be assigned in training and demonstration of recommended procedures. Psychomotor demands are common for the effective use of firearms and the operation of vehicles. Knowledge of first aid can be a definite asset since members of the protective services are frequently the first to attend to victims.

Opportunities for career progression on the basis of merit are good in most public service settings. Private protective services tend to employ larger proportions of part-time or casual workers, but there are definite opportunities for advancement in established organizations.

371. . BRIDGE TENDING AND CROSSING GUARD SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

		PHYS.D WK COND-
		HRP SVP 123456 1234567
782-014 BRIDGE OPERATOR	RR TRANS	-3P 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.868-010 SCHOOL-CROSSING GUARD	GOV SER	H3- 2 L--45- O----6-
.868-014 CROSSING TENDER	ANY IND	-3- 2 L--45- B---5--

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				PHYS.D	WK COND
			HRP SVP	123456	1234567

372. GUARD AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.868-022 FLAGGER	CONST	-2P	2	L--4--	O------	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 CONVOY GUARD	ANY IND	H3P	3	L--456	I----67	
.868-010 ARMORED-CAR GUARD	BUS SER	-3-	3	M--456	B-3--67	
.868-014 BODYGUARD	PER SER	H3P	4	L--456	I------	
.868-030 GUARD	ANY IND	H3P	3	L--456	I----6-	
.868-034 GUARD IMMIGRATION	GOV SER	H2-	4	L---5-	I----6-	
.868-038 JAILER	GOV SER	H3-	4	L--456	I----6-	
.868-050 STAGE-DOOR ATTENDANT	AMUSE / REC	H3-	3	S--45-	I------	
.868-054 GUARD II	ANY IND	H3-	2	L-----	B-----=	
.868-058 GUARD, SET	MOTION PIC.B	-3-	3	L---5-	I------	

375. POLICE AND RELATED WORK, PUBLIC SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.268-026 PATROL CONDUCTOR	GOV SER	H3P	4	L--4-6	-----6-	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 BORDER GUARD	GOV SER	H3P	4	M---56	B----6-	
.588-010 PARKING ENFORCEMENT OFFICER	GOV SER	-2-	2	L--4--	O------	
.268-050 VICE-SQUAD POLICE OFFICER	GOV SER	H3P	4	M---56	B----6-	

376. POLICE AND RELATED WORK, EXCEPT IN PUBLIC SERVICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-022 FLOORMAN	AMUSE / REC	H2P	3	L--456	I------	
.868-026 HOUSE OFFICER	HOTEL / REST	H3P	4	L---5-	I------	
.868-034 PATROLLER	RR TRANS	H3P	3	L---56	B------	
.868-038 STORE DETECTIVE	RET TR	H3-	4	L---56	I------	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 ALARM INVESTIGATOR	ANY IND	H3P	3	M--456	B----6-	
.868-018 DETECTIVE	ANY IND	H3-	4	L---5-	I------	
.868-042 UNDERCOVER OPERATOR	RET TR	H3-	4	L---56	I------	
.268-014 SHOPPING INVESTIGATOR	BUS SER	H3-	3	M-3456	B------	

377. LAW ENFORCEMENT WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 BAILIFF	GOV SER	H2-	3	L---5-	I------	

377. LAW ENFORCEMENT WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-014 SHERIFF DEPUTY GOV SER H3P 4 M--4-- B------

379. PROTECTIVE SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 MILK SAMPLER GOV SER -2- 2 L--4-- I------
.887-014 MOSQUITO SPRAYER GOV SER -2- 2 M-34-- O--4--7
.887-018 OPERATING AID BUS SER -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 LIFEGUARD AMUSE / REC H3P 4 H--456 B--4---
.388-010 PROTECTIVE-SIGNAL OPERATOR CLERICAL -3- 5 M--456 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 SKIN DIVER ANY IND -3P 4 H-34-6 O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 SPRINKLER-FIRE-EXTINGUISHER IN ANY IND -1- 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 DOG CATCHER GOV SER H3P 3 M--45- B----6-
.868-010 GOLF-COURSE RANGER AMUSE / REC H3- 4 M--456 O------
.368-010 DISPATCHER RADIO GOV SER H3- 4 S--45- I------
.268-010 DEMONSTRATOR SAFE-DRIVING EQUI ANY IND H3P 4 L--456 I------
.268-018 INSPECTOR PRECINCT GOV SER H2- 3 S----6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.868-018 SKI PATROLLER AMUSE / REC H3P 4 H---56 O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010 AUTOMOBILE TESTER GOV SER -3P 4 M-3456 I-----7

BUILDING AND RELATED SERVICES (381.-389.)

Occupations in this area are concerned with the cleaning of building interiors and their furnishings; minor maintenance through painting, plumbing, electrical repair, and carpentry; operation of heating, air conditioning, and other fixed equipment; and operation of freight and passenger elevators.

Most of the occupations in this area have minimum cognitive demands. Some derive moderate language requirements from the need to respond to building patrons' requests and complaints. Moderate mathematics demands may derive from the need to evaluate information obtainable from the instrumentation of fixed equipment. Language and mathematics requirements may be combined within the same occupation.

Fundamental knowledge of the principles by which building systems operate can be a distinct asset.

Except for the move from helper to independent worker, career progression opportunities are generally limited to supervisory positions in larger buildings and building service organizations.

381. CLEANING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		PHYS.D	WK COND	
		HRP	SVP	123456 1234567
.887-010 BOWLING ALLEY CLEANER	AMUSE / REC	-2-	1	L--4-- I------
.887-014 CHARWORKER	ANY IND	-2-	2	H-34-- I------
.887-022 PATCH WORKER	AGRIC	-1-	2	L----- I------
.887-026 PORTER	ANY IND	-2-	2	M-34-- I------
.887-030 PORTER	ANY IND	-3-	2	L-34-- I------
.887-034 PORTER	MOTION PIC	-2-	2	M-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-018 CLEANER LABORATORY EQUIPMENT	ANY IND	-2-	2	L--4-- I--4-67

382. JANITORIAL SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 JANITOR	ANY IND	H3-	3	H-34-- B------

388. ELEVATOR SERVICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 ELEVATOR OPERATOR	ANY IND	H3-	2	M--45- I------

389. BUILDING AND RELATED SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AIR PURIFIER SERVICER	BUS SER	-3-	2	L-34--	I------
.887-014	ELECTRICALL-FIXTURE RELAMPER	ANY IND	-2-	3	M2-4--	I----6-
.887-018	FLOOR WAXER	ANY IND	-2-	2	M-34-6	I-----7
.887-026	TERMITE-TREATER HELPER	BUS SER	-2-	2	H234--	B-3----
.887-030	WALL WASHER	ANY IND	-1-	1	M2-4--	I--4-6-
.887-034	WINDOW CLEANER	ANY IND	-2P	2	M234-6	B------
.883-010	VACUUM-CLEANER OPERATOR	ANY IND	-2P	3	L--4--	I------
.878-010	ESCALATOR ATTENDANT	PER SER RET	H2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022	SEXTON	NONPROFIT OR	H3-	2	M-34--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010	EXTERMINATOR	ANY IND.	-3-	5	L--4--	I-----7

(4.) FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

PLANT FARMING (401.-409.)

Occupations in this area are concerned with tilling, planting, and cultivating either for harvesting agricultural production or for environmental purposes as in parks, gardens, and grounds.

The majority of plant farming occupations do not depend heavily upon language and mathematics skills. The relatively few that do tend to be concerned with such farm management functions as maintaining crop planting and production records, conducting soil analyses to determine fertilizer application rates and schedules, and projecting market demand to determine what crops and acreage to plant in order to maximize net profit. Perceptual processing skills, while generally minimal, have a bearing upon activities such as detecting the presence of harmful plant diseases and insects, discriminating between crop plants and weeds, and assessing the condition of plants as a guide to action that will maximize yield.

A considerable number of jobs in this area require a moderate level of psychomotor skill for the operation of farm machinery. Control must be precise in certain operations to prevent destruction of plants and plant products. Knowledge of biological concepts and principles can be an asset in plant farming. Knowledge of basic mechanics can be an asset in minor maintenance of farm equipment.

Many of the farm employment opportunities are seasonal in nature, the peak normally occurring at harvest time. Past trends toward highly mechanized large farms are likely to continue into the future, resulting in only limited numbers of new openings. Opportunities for career progression are limited largely to the assumption of supervisory responsibilities.

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401. GRAIN FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND GRAIN	AGRIC	-3P	1	M--4-- O------
.884-010 FARM HAND GRAIN	AGRIC	-3P	5	H234-- O------
.884-014 FARM HAND RICE	AGRIC	-3P	5	M234-- O------

402. COTTON FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND COTTON	AGRIC	-2P	2	H234-- O------
.883-010 FARM HAND COTTON	AGRIC	-3P	5	M-34-6 O---5--

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403. VEGETABLE FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND VEGETABLE AGRIC -3P 2 M234-- O------
.886-010 SEED CUTTER AGRIC -1- 1 M--4-- B------
.883-010 FARM HAND VEGETABLE AGRIC -3P 5 M-34-6 O---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CARROT GRADER-INSPECTOR AGRIC -2- 2 M--4-- I------

404. FRUIT AND NUT FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND BERRY AGRIC -2- 2 M--4-- O------
.887-014 FARM HAND CRANBERRY BOG AGRIC -2- 2 M-34-- O------
.887-018 FARM HAND FRUIT AGRIC -2- 2 M--4-- O------
.887-022 FIG CAPRIFIER AGRIC -2- 2 L--4-- O------
.887-026 HARVEST HAND FRUIT AGRIC -2- 2 H234--------6-
.887-030 LABORER VINEYARD AGRIC -3- 2 M--4-- O------
.885-010 WINNOWING-MACHINE OPERATOR AGRIC -2- 3 M----- O------
.884-010 FARM HAND CITRUS FRUIT AGRIC -2- 2 M234-- O------
.884-014 TREE PRUNER AGRIC -3P 4 M2-4-- O----6-
.883-010 CRANBERRY PICKER MACHINE AGRIC -2P 3 H-3456 O2-456-
.883-014 FARM HAND CITRUS FRUIT AGRIC -3P 4 M234-6 O------
.883-018 FARM HAND FRUIT AGRIC -3P 5 L-34-- O------
.883-022 FRUIT-HARVESTER OPERATOR AGRIC -2P 4 M2-4-6 O----6-
.883-026 SHAKING-MACHINE OPERATOR AGRIC -3P 3 L-4-6 O----5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-034 PLANT DIGGER AGRIC -2- 2 L----- O------
.687-010 WATERMELON INSPECTOR AGRIC -2- 2 S----6 B------

405. CROP SPECIALTY FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND HOPS AGRIC H3- 1 H234-- B------
.887-014 FARM HAND TOBACCO AGRIC H3- 2 H-34-- O------
.887-018 HARVEST HAND BROOMCORN AGRIC H2- 2 M-34-- O-----7
.887-022 HARVEST HAND PEANUT AGRIC -1- 1 M-34-- O-----7
.887-026 HARVEST HAND SUGARCANE AGRIC H1- 2 H----- O------
.885-010 PEANUT-PICKER OPERATOR AGRIC -2P 2 H--4-- O---5-7
.884-010 BEAN-SPROUT GROWER AGRIC -3- 3 M--4-- I--4---
.587-010 CANE WEIGHER AGRIC -2- 2 L----- O------

406. HORTICULTURAL SPECIALTY WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BALLER	AGRIC	H3-	3	M-34-6	O------	
.887-022 TREE-SURGEON HELPER II	AGRIC	-2-	2	V23--6	O---56-	
.887-026 MOSS HANDLER	AGRIC	-2-	2	M--4--	O------	
.887-034 TREE PLANTER	AGRIC	-2-	2	M-34--	O------	
.884-010 LABORER NURSERY	AGRIC	-3-	3	V-34--	B--4---	

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CHRISTMAS-TREE CUTTER	AGRIC	-2-	2	L-34--	O------	
.887-018 FARM HAND MUSHROOM	AGRIC	-3-	3	H-34--	I--4---	
.887-030 NURSERY WORKER	AGRIC	-3-	3	V234-6	B--4--7	

407. GARDENING AND GROUNDSKEEPING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CAMP-GROUND CARETAKER	GOV SER	H2-	2	H-345-	B------	
.887-014 CEMETERY WORKER	AGRIC	-2-	2	V-34--	O------	
.887-018 LABORER LANDSCAPE	AGRIC	-2-	2	M-34--	I------	
.887-022 PARK WORKER	GOV SER	-2-	2	L-34--	O------	
.887-026 RAKER	TURP / ROSIN	-1-	1	L-34--	O------	
.884-010 GROUNDS KEEPER	ANY IND	-2P	3	M-34--	O------	
.884-014 GROUNDS KEEPERSPORTS	AMUSE / REC	-2P	3	M-34--	O------	
.883-010 GREENSKEEPER	ANY IND	-2P	3	M234-6	O----6-	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 PARK CARETAKER	GOV SER	H3-	3	L-B-5-	O------	

409. PLANT FARMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 DINKEY-PRESS TENDER	AGRIC	-1-	3	V--4--	I---5--	
.884-014 TREE-SURGEON HELPER	AGRIC	-2P	3	M234--	O----6-	
.883-018 FIELD HAULER	AGRIC	-2P	3	M-----	O------	
.883-022 GOAT-TRUCK DRIVER	AGRIC	-2P	3	M-----	O------	
.883-026 HAULER PEANUT	AGRIC	-2P	4	M--4--	O------	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 AIRPLANE-PILOT HELPER	AGRIC	-2-	3	V234-6	O--4567	

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.883-010 FARM-EQUIPMENT OPERATOR	AGRIC	-3P	5	H2-4-6	O----67	

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409. PLANT FARMING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-014 FARMER CONTRACT AGRIC -3P 5 H2-4-6 O------

ANIMAL FARMING (411.-419.)

Occupations in this area are concerned with breeding, maintaining, and slaughtering animals; cleaning quarters and equipment; and gathering animal products such as milk, eggs, and wool.

Most animal farming occupations demand only minimum cognitive skills. Demand for moderate perceptual processing capabilities is not uncommon, however, deriving from activities such as grading wool; determining the sex of chicks; examining animals for signs of injury or disease; and separating animals according to breed, size, weight, or condition. Language demands are generally limited to understanding verbal instructions, although these may involve special terminology necessary to a specific job setting. Mathematics is generally limited to counting and simple arithmetic operations. Specialized animal farming occupations, such as those involved in agricultural or biological research, have moderate language requirements in the form of detailed classification schemes and record keeping for operations and products. Mathematics demands in these specialized occupations may also be moderately stringent in requiring quantitative record keeping, the taking of precise measurements, and the understanding of data collection schemes.

An understanding of basic principles of sanitation and animal health can be a definite asset in all types of animal farming. Although operation of equipment is less characteristic of animal than it is of plant farming, mechanization and automation trends are leading to a definite increase in the use of sophisticated equipment in animal farming.

Animal farming is generally less seasonal than plant farming, although there tends to be an annual cycle to the work. A requirement for work over weekends and holidays is typical. Opportunities for career advancement are largely limited to movement into a supervisory role.

411. DAIRY FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-010 MILKING-MACHINE OPERATOR	AGRIC	-2-	2	L--4--	I------
.884-014 FARM HAND DAIRY	AGRIC	-2-	4	H234--	O----67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 FARM HAND DAIRY	AGRIC	-3-	5	H--4--	B------

412. POULTRY FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GOOSE HERDER	AGRIC	-2-	3	L-----	O------
.887-014 LABORER HATCHERY	AGRIC	-2-	2	M234--	I------

412. POULTRY FARMING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-018	POULTRY DEBEAKER	AGRIC	-2-	3	L--4-6	I----67
.886-010	EGG-WASHING-MACHINE OPERATOR	AGRIC	-1-	1	L--4--	I------
.884-010	CAPONIZER	AGRIC	-2-	2	L--4-6	I------
.687-014	CHICKEN SEXER	AGRIC	-2-	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014	FARM HAND POULTRY	AGRIC	-3-	3	M-34--	I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010	CHICK GRADER	AGRIC	-3-	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018	POULTRY TENDER	AGRIC	-3-	5	H--4--	B-----7
.884-022	POULTRY VACCINATOR	AGRIC	-2-	2	L--4-6	I------

413. LIVESTOCK FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	PEN HERDER	AGRIC	-1-	1	L-----	I----6-
.887-018	GOAT HERDER	AGRIC	-1-	3	L-----	I----7
.887-026	SHEEP HERDER	AGRIC	-2-	3	M--4--	O------
.887-030	ALLEYWAY HERDER	AGRIC	-1-	2	L-----	I----6-
.887-034	STOCKYARD LABORER	RET TR	-2-	2	H--4--	O------
.884-010	COW PUNCHER	AGRIC	-3-	4	M234-6	O------
.884-014	DRENCHER	AGRIC	-1-	2	L-----	B------
.884-018	FARM HAND LIVESTOCK	AGRIC	-3P	4	H-34--	B----67
.884-022	HAZER	AGRIC	H2P	4	M2-4--	O----6-
.884-026	LAMBER	AGRIC	-3-	5	L--4-6	B------
.884-030	RANCH HAND	AGRIC	-3P	5	M234--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.684-010	BRAND INSPECTOR	GOV SER	-3-	4	M--4-6	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-022	LABORER RANCH	AGRIC	-2-	2	H234--	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	FLEECE TIER	AGRIC	-2-	2	M--4--	B------
.687-014	WOOL-FLEECE SORTER	AGRIC	-2-	3	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010	WOOL-FLEECE GRADER	AGRIC	-3-	4	L--4-6	I------

419. ANIMAL FARMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK COND.
			HRP SVP	123456 1234567
.887-010 PELTER	AGRIC	-1P	2	M----- B--4--7
.884-018 FARM HAND FOX FARM	AGRIC	-3-	4	M-34-- I------
.884-026 HORSE BREAKER, DRAFT	AGRIC	-3-	4	M2-4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-014 FARM HAND, ANIMAL	AGRIC	-3P	3	M--4-6 B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 GAME-FARM HELPER	HUNT / TRAP	-3-	3	M-34-6 B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 WORM PACKER	AGRIC	-1-	1	L234-- I--4--7
.887-018 WORM PICKER	AGRIC	-2-	1	L-34-- O--4---
.887-022 WORM-FARM LABORER	AGRIC	-2-	1	M234-- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 ANIMAL CARETAKER	AGRIC	-3-	4	L--4-6 I------

MISCELLANEOUS FARMING AND RELATED WORK (421.-429.)

Occupations in this area are concerned with activities in support of both plant and animal farming such as operation of irrigation systems, operation of spraying equipment, and the use of heavy equipment. The number of occupational titles is small, but some titles account for a very large number of jobs.

Cognitive demands are minimal for a majority of the occupations in this area. Language requirements derive from oral communications with farm managers; ordering supplies, equipment, and spare parts; and determining appropriate substances to be used in pest control. Specialized vocabularies may have to be learned. Mathematical requirements generally derive from the calculation of amounts of water, fertilizer, or herbicide/pesticide required for a particular application. Perceptual processing demands derive from the need to evaluate the condition of plants, animals, and soil; estimation of water flow characteristics; and making judgments concerning spray patterns.

Psychomotor and mechanical skills are likely to be required for the operation and minor maintenance of equipment.

Employment may be seasonal. Career progression opportunities are largely dependent upon achieving a farm management role.

421. GENERAL FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D	WK COND
					123456	1234567
.887-010	FARM HAND GENERAL	AGRIC	-2-	2	H-34--	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010	CARETAKER FARM	AGRIC	-3-	4	M234--	O------
.883-010	FARM HAND GENERAL	AGRIC	-3P	5	M-34-6	O---567
.384-010	AGRICULTURAL AID	AGRIC	-3-	4	H-34--	B------

422. FARM IRRIGATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	DITCH DIGGER	AGRIC	-1-	2	M-----	O------
.887-014	IRRIGATOR	AGRIC	-2-	2	L-34--	O------
.887-022	IRRIGATOR STANDPIPE	AGRIC	-2-	2	L-34--	O--4---
.887-026	LABORER IRRIGATION	AGRIC	-2-	2	M--4--	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	IRRIGATOR SPRINKLING SYSTEM	AGRIC	-2-	2	M-34--	O------
.884-010	IRRIGATOR VALVE PIPE	AGRIC	-3-	4	M-34--	O--4---

422. FARM IRRIGATION (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.181-010 ZANJERO AGRIC H3- 5 M2345- I--4---

424. FARM MACHINERY OPERATING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CHOPPER OPERATOR STATIONARY AGRIC -2- 1 H234-6 B---56-
.883-010 HEAVY-EQUIPMENT OPERATOR AGRIC -3P 3 M--4-- Q------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-014 SPRAYER AGRIC -3P 5 H234-6 O--4567
.782-010 THRESHER AGRIC H3P 4 M--4-6 O---567

429. MISCELLANEOUS FARMING AND RELATED WORK N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND, GENERAL II AGRIC -2- 2 L----- O------
.887-014 GRUBBER AGRIC CONST -2P 2 H-34-- O------
.887-018 ICE HARVESTER RET TR -2P 3 H--4-- O------
.885-010 LABORER SEED CORN AGRIC -2P 2 H--4-- B------
.885-014 THRESHER HAND BROOMCORN AGRIC -2- 2 L--4-- O----67

FISHERY AND RELATED WORK (431.-439.)

Occupations in this area are concerned with seeding, cultivating, transplanting, stocking, and gathering aquatic life and its products.

About three-quarters of the occupations in this area demand only minimum cognitive skills, with most of the work being of a routine nature and conducted under the supervision of trained and experienced personnel. A substantial proportion of the remaining occupations have moderate cognitive demands only for perceptual processing. Perceptual processing requirements of these occupations are illustrated by such activities as sorting fish according to species, size, and quality and sorting crabs according to stages of shell development. Language requirements are most often limited to the verbal communications necessary to work as part of a crew or team; using specialized terminology and nomenclature to perform work with seines, nets, winches, hoists, traps, and a variety of bait, lines, hooks, floats, sinkers, and the like. Standard nautical terms and knowledge of navigational signals and markers are often demanded by the occupations which involve the use of boats in open water. Mathematical requirements may be imposed with respect to such activities as navigation, weighing and recording catches, and measuring fishlife to ensure meeting minimum size requirements imposed by law.

Biological knowledge concerning water life, feeding habits of fish and other marine life, successful methods for catching fish, and the anatomy of items to be cleaned or prepared is a definite asset to employment.

There is room for multiple levels of vertical career progression only on the largest ships! Once one has achieved command of a small ship, the principal opportunities are for ownership and/or command of either multiple or larger ships. In general, the prospects for career progression in fishery and related work are not good because of both its structure and ecological factors which are placing severe constraints on the industry.

431. NET, SEINE, AND TRAP FISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D WK COND HRP SVP 123456 1234567
.884-010	FISHER, DRIVER NET	FISH	-2P 4 H234-6 O--4-6-
.884-014	FISHER, HAUL, DRAG OR BEACH SE	FISH	-2- 4 H234-6 O--4-6-
.884-018	FISHER, HOOP NET	FISH	-2- 4 H234-6 O--4-6-
.884-022	FISHER, LAMPARA NET	FISH	H2P 4 M234-6 O--4-6-
.884-026	FISHER, NET	FISH	-2P 4 H234-6 O--4-6-
.884-034	FISHER, POUND NET OR TRAP	FISH	-2- 4 H234-6 O--4-6-
.884-038	FISHER, PURSE SEINE	FISH	H2P 4 H234-6 O--4-6-
.884-042	FISHER, REEF NET	FISH	-2P 4 V234-- O--4-6-
.884-046	FISHER, SQUAW NET	FISH	-2P 4 H234-6 O--4-6-
.884-050	FISHER, TERRAPIN	FISH	-2P 2 H234-6 O--4---
.884-054	FISHER, TRAMMEL NET	FISH	-2- 4 H234-6 O--4-6-
.884-058	FISHER, TRAWL NET	FISH	-2P 4 H234-6 O--4-6-

431. NET, SEINE, AND TRAP FISHING (CONT.)

.884-062 FISHER, WEIR — FISH — -2P 4 H234-6 O--4-6-
.884-066 STRIKER — FISH — -2P 4 H234-6 O--4-6-
.884-070 STAKE BOATWORKER — FISH — -2P 5 M234-6 O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LABORER WHARF — FISH — -1- 2 H234-- B--4--7
.884-030 FISHER, POT — FISH — -2- 2 V234-- O--4---

432. LINE FISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 FISHER, LINE — FISH — -2P 3 M234-- O--4-6-

433. FISHING, MISCELLANEOUS GEAR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 FISHER, SPEAR — FISH — -2P 4 H234-6 O--4-6-

435. WHALING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 FISH — FISH — -2P 4 M-34-6 I---5--
.884-014 FLENSER — FISH — -1P 4 M-34-- O--4--7

436. MARINE LIFE CULTIVATION AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FROG-FARM LABORER — FISH — -2- 1 H234-6 O--456-
.884-014 EGG PICKER — FISH — -1- 3 L--4-6 I------
.884-018 EGG STRIPPER — FISH — -2P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 CRAB FARMER — FISH — -2P 4 M234-- I--4---
.884-026 SHELLFISH-BED MAN — FISH — -3P 4 H234-- O--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-022 HATCHERY WORKER — FISH — -3- 5 L-34-- I-----7

437. SPONGE AND SEAWEED GATHERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
		HRP	SVP	123456	1234567
.887-010 DULSER	FISH	-1-	2	L-34--	O--4---
.887-014 IRISH-MOSS BLEACHER	FISH	-2-	2	L-34--	O--4---
.887-018 IRISH-MOSS GATHERER	FISH	-1-	2	L-34--	O--4---
.887-022 KELP CUTTER	FISH	-2P	2	L-34--	O--4---
.884-010 SPONGE HOOKER	FISH	-2P	2	L-34-6	O--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026 SPONGE CLIPPER	WHOLE TR	-2-	2	L--4--	B------

439. FISHERY AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 OYSTER FLOATER	FISH	-1-	1	L-34--	O------
.884-010 FISHER, DIVING	FISH	-2P	4	H-34-6	O----6-
.687-014 CRAB INSPECTOR	FISH	-1-	3	L--4--	O--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.228-010 INSTRUCTOR FISHING	EDUCATION	H3-	5	M-3456	O--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CLAM DREDGER	FISH	-2-	3	H234--	O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-018 SEALER	FISH	-2P	2	M-34--	O--4-6-

FORESTRY AND RELATED WORK (441.-452.)

Occupations in this area are concerned with developing, maintaining, cultivating, and protecting forests, forest tracts and woodlands, and harvesting their products. It should be noted, however, that the harvesting of logs is included in group 942., and the cultivation of ornamental trees, shrubs, and flowers is included in group 406.

Most of the occupations in this area have only minimum cognitive demands. Language requirements are most often limited to the verbal communications necessary to follow instructions of supervisory personnel. Fire fighting and forest patrol work may have mathematical requirements such as would be associated with pinpointing the precise coordinates of a fire. Perceptual processing demands may include coordination of map features with actual physical locations as well as detecting the presence of disease, blights, insect damage, and other factors bearing upon the quality of forest products.

Knowledge of forestry cultivation principles and products, tree and plant diseases, insects and pests, and pesticides and herbicides can be a definite asset to employment.

Most top jobs in forestry are held either by professional managers or by persons with postsecondary education in forestry. Forest management is, however, a vigorous field with substantial numbers and variety of opportunities for subprofessional workers.

441. FOREST CONSERVATION WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
		HRP	SVP	123456	1234567
.887-010	FOREST-FIRE FIGHTER	GOV SER	-2P	2	V234-- O-3--67
.887-014	SPRAYER	FORESTRY	-2P	2	V-34-- O--4567
.887-018	TREE PLANTER	FORESTRY	-2-	1	H234-6 O------
.887-022	TREE PRUNER	FORESTRY	-2P	3	H234-- O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010	FIRE RANGER	GOV SER	H3-	4	H23456 O----67

442. FOREST PRODUCTS PRODUCTION, EXCEPT LOGGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BOUGH CUTTER	FORESTRY	-2P	2	M2-4-6 O----6-
.887-014	BOX CUTTER	TURP / ROSIN	-1-	2	H--4-- O------
.887-018	BOX PULLER	TURP / ROSIN	-1P	2	M--4-- O------
.887-022	CUPPER AND TINNER	TURP / ROSIN	-1-	2	L--4-- O------
.887-026	FACE CUTTER	TURP / ROSIN	-1P	2	M--4-- O------
.887-030	GATHERER	TURP / ROSIN	-1-	1	L--4-- O------

442. FOREST PRODUCTS PRODUCTION, EXCEPT LOGGING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK COND
		HRP	SVP	123456 1234567
.887-034 GREENS PICKER	FORESTRY	-2-	2	M-34-- O--4---
.887-038 GREENS TIER	FORESTRY	-2-	2	M--4-- I+-----
.887-042 MOSS CUTTER	AGRIC	-1-	2	M--4-- O------
.887-046 MOSS PICKER	AGRIC	-1-	1	M-34-- O--4---
.887-050 SAP COLLECTOR	AGRIC	-2P	2	M----- O------
.887-054 SUGAR TAPPER	AGRIC	-1-	2	L----- O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.687-014 MEDICINAL-PLANT COLLECTOR	AGRIC	-3-	4	L-34-6 O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 INSPECTOR WREATH	FORESTRY	-3-	3	L--4-6 I------

449. FORESTRY, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 WREATH-MACHINE OPERATOR	FORESTRY	-2P	2	L--4-- I------
.884-010 TREE CLIMBER	FORESTRY	-2P	3	M2-4-6 O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 SEED CONE PICKER	FORESTRY	-1P	2	M2-4-- O----6-

451. HUNTING AND TRAPPING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 WALRUS HUNTER	FISH	-2P	2	M--4-6 O------
.781-010 BIRD TRAPPER	HUNT / TRAP	-3-	5	M234-- O------
.781-014 PREDATORY-ANIMAL HUNTER	HUNT / TRAP	-3P	5	H234-6 O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-018 TRAPPER	HUNT / TRAP	H3P	5	H23456 O--4-6-

452. GUIDE SERVICES, HUNTING AND FISHING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 HUNTING AND FISHING GUIDE	AMUSE / REC	H3P	2	M2-456 O------

AGRICULTURAL SERVICES (461.-469.)

Occupations in this area are concerned with furnishing specialized services on a fee or contract basis in support of agriculture. Activities may be identical or closely related to those carried out by groups 401.-429. and include spraying for blight and pest control, collection and labeling of soil samples for analysis, and the conduct of routine chemical or biological analyses.

Most opportunities in this area are associated with occupations which have only minimum cognitive demands, although there is some proportion of the occupations with moderate demands for language, mathematics, or perceptual processing. Language requirements are most heavily involved with verbal and written communications dealing with the detection and eradication for the boll weevil, gypsy moth, and similar insects; with the collection and labeling of samples for analysis; with the recording of treatment results; and with the mixing and use of chemical compounds. Mathematics demands are associated with the performance of such tasks as the weighing and mixing of herbicides and exterminating agents, determination of application rates, and the computation of cost estimates for performing work under contract. Perceptual processing demands are associated with such activities as the identification and classification of weeds and the use of a microscope to determine the density and mobility of gametes in semen.

Substantial biological knowledge is required by about one-fourth of the occupations, usually centered around knowledge of commercial plants and crops, weed types and characteristics, plant and animal diseases, and procedures for conducting analytic tests and analysis of results. Knowledge of basic chemistry is frequently useful for control of processes which involve highly toxic substances. Knowledge of first aid is also a potential asset.

Most of the career progression opportunities in this area are associated with the assumption of supervisory or ownership status.

461. COTTON GINNING AND COMPRESSING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

			PHYS.D WK COND
			HRP SVP 123456 1234567
.885-010 GINNER	AGRIC	-2P 4	L234-- I---5--

465. BLIGHT AND PEST CONTROL AND BINDWEED ERADICATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLISTER-RUST ERADICATOR	AGRIC	-1- 2	H234--- O----67
.887-014 BRUSHER	AGRIC	-1- 2	M----- O------
.887-026 TREE GIRDLER	AGRIC	-1- 2	L--4-- O------
.884-010 FUMIGATOR ORCHARD	AGRIC	-2- 4	M--4-- O----67

PHYS.D WK COND
HRP SVP 123456 1234567

465. BLIGHT AND PEST CONTROL AND BINDWEED ERADICATION (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-018 LABORER ORCHARD FUMIGATION AGRIC -2- 2 M----- O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 SPRAYER HAND AGRIC -1- 2 H234-- O--4-67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.781-010 WEED INSPECTOR AGRIC H3- 5 L--4-- O------
.381-010 SCOUT AGRIC -3- 4 M2-4-6 O------

466. ANIMAL CARE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LIVESTOCK CARETAKER YARD-OR-IN ANY IND -2- 2 H234-6 B--4-67

467. ANIMAL HUSBANDRY SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.384-018 BLOOD TESTER FOWLS AGRIC -2- 2 L--4-6 B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-022 POULTRY INSEMINATOR AGRIC -3- 3 M2-4-- B------

469. AGRICULTURAL SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 SHEEP SHEARER AGRIC -1P 3 M-34-- B-----7

(5.) PROCESSING OCCUPATIONS

(5.) PROCESSING OCCUPATIONS

METAL PROCESSING (500.-509.)

Occupations in this area are concerned with molding, casting, coating, conditioning, or otherwise processing metal.

Metal processing occupations are distributed across all eight combinations of cognitive demand, but with greatest concentration where all demands are minimum or where only perceptual processing demands are moderate. Perceptual processing is involved in inspecting coated or plated items for completeness and uniformity of coating, estimating temperature from the color of heated metal, evaluating smoothness of a plated surface from touch, and similar activities. Language demands are predominantly verbal, with heavy emphasis on special terminology related to the technical processes to which the work relates. Specifications and work orders sometimes must be read, but they are usually fairly simple. Writing demands are usually minimal, involving the recording of production information, identification and marking of samples, and similar routine tasks. Mathematics demands include the measuring of chemical quantities, determining the strength of solutions, and determining the dimensions of objects.

A fundamental knowledge of chemistry is useful both because of frequently encountered toxic substances and chemical measures such as pH and specific gravity. Mechanical skills can be an asset for the many occupations involving the operation of equipment and its minor maintenance. Psychomotor skill is also a frequent requirement for occupations involving manual control of equipment and the use of hand tools for coating and plating operations.

There are opportunities to move from helper to fully responsible positions. Some supervisory positions are available out of the ranks of metal processing workers.

500. ELECTROPLATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		HRP	SVP	PHYS.D WK COND 123456 1234567
.886-014 PLATE-TAKE-OUT WORKER	ELEC EQUIP	-1-	2	M-34-2 I--4---
.885-010 ETCHER ELECTROLYTIC	CUT TOOLS	-2P	2	L--4-- I------
.782-014 PLATER BARREL	ELECTROPLATI	-2-	5	M--4-- I--4---
.782-018 TIN RECOVERY WORKER	ELECTROPLATI	-3-	4	H--4-- I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-026 PLATE FORMER	ELEC EQUIP	-3P	4	L--4-6 I------

PHYS.D WK COND
HRP SVP 123456 1234567

500, ELECTROPLATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 LABORER ELECTROPLATING	ELECTROPLATI	-1P	2	M--4-6 I--4-6-
.884-010 ELECTROFORMER	ELECTROPLATI	-1P	4	L--4-6 I------
.884-014 MATRIX PLATER	ELECTROPLATI	-2P	4	M--4-- I--4567
.884-018 MATRIX WORKER	PHONOGRAPH	-3P	2	L--4-6 I--3---
.884-034 SILVER SPRAY WORKER	PHONOGRAPH	-1P	4	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 PLATER PRODUCTION	ELECTROPLATI	-3-	4	M--4-- I--4---
.885-018 ZINC-PLATING-MACHINE OPERATOR	ELECTROPLATI	-3-	4	M--4-- I--4--7
.884-022 MATRIX-BATH ATTENDANT	PHONOGRAPH	-3-	5	M--4-- I--4567
.884-030 PLATER	ELECTRONICS	-2P	3	L--4-- I-----7

501. DIP PLATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 TINNER CERAMIC CAPACITORS	ELECTRONICS	-1-	2	L--4-- I-----5-
.885-022 TINNING-EQUIPMENT TENDER	ELEC EQUIP	-1P	2	L--4-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 ANODIZER	ANY IND	-2-	4	M--4-- I--4----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018 COLORING OPERATOR	SPRING	-3P	5	H----- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 GALVANIZER	GALVANIZING	-3P	3	M--4-- I-3--67
.885-014 PLATER HOT DIP	GALVANIZING	-3P	4	H--4-6 I----6-
.885-026 WIRE-COATING OPERATOR METAL	WIRE	-3P	2	M--4-6 I------

502. MELTING, POURING, CASTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLAST-FURNACE-KEEPER HELPER	IRON / STEEL	-3P	3	H--4-- I-3-56-
.887-014 BOTTOM MAKER	IRON / STEEL	-1P	3	M--4-- I-3-56-
.887-018 BUSHER	ABRASIVE / P	-2P	2	H--4-- I-3--6-
.887-022 HOT-TOP-LINER HELPER	IRON / STEEL	-2-	3	H--4-- B-3-5-7
.887-026 LABORER SOLDER MAKING	NONFER METAL	-3P	3	M--4-- I-3----
.886-010 CASTING-MACHINE-OPERATOR HELPE	ELEC EQUIP	-2-	2	M--4-- I------
.885-010 LEAD-SLUG CASTER	RUBBER GOODS	-2P	2	M-34-- I----67
.885-014 REMELTER	PRINT / PUB	-2P	2	M-34-- I------

502. MELTING, POURING, CASTING, AND RELATED WORK (CONT.)

.885-018 MOLDER LEAD INGOT	AMMUNITION	-2P	2	H-34--	I-3--6-
.885-022 WIRE-WHEEL OPERATOR	NONFER METAL	-2-	4	M--4-6	I---5--
.782-022 CASTING-MACHINE OPERATOR	NONFER METAL	-2P	4	M--4--	I------
.782-030 CENTRIFUGAL-CASTING-MACHINE OP	JEWELRY	-3-	5	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014 MIXER OPERATOR HELPER HOT META	IRON / STEEL	-2P	2	M--4--	I-3-567
.782-034 DIE-CASTING-MACHINE ORERATOR	ELEC EQUIP	-3P	5	H--4-6	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 LEAD CASTER	ELEC EQUIP	-3P	3	H-34-6	I-3-5--
.884-022 MOLD SETTER	ELEC EQUIP	-2-	3	M--456	I-3--67
.782-014 BULLET-SLUG-CASTING-MACHINE OP	AMMUNITION	-3-	5	H-34-6	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 BULLET-CASTING OPERATOR	AMMUNITION	-3-	4	H234--	I-3--6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-030 CHARGE-GANG WEIGHER	NONFER METAL	-3-	3	M-34-6	I-3--6-
.884-026 NEEDLE LEADER	KNIT GOODS	-2P	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-018 MILL HELPER	NONFER METAL	-3P	3	M--4--	I-3--67
.884-034 STEEL-POURER HELPER	IRON STEEL	-3P	5	M--4--	I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 CASTER	NONFER METAL	-3-	3	M--4--	I-3--6-
.782-026 CASTING-MACHINE OPERATOR AUTOM	ELEC EQUIP	-3P	4	H-34-6	I-3-5--
.382-010 FLUOROSCOPE OPERATOR	AIRCRA				

503. PICKLING, CLEANING, DEGREASING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 DRIFTER	IRON / STEEL	-2-	3	M--4--	I------
.885-022 FLAME DEGREASER	AUTO SER	-2-	2	M--4--	I-3----
.885-038 SANDBLAST OPERATOR	AMMUNITION	-2-	3	M--4--	I----6-
.885-042 SANDBLAST-OR-SHOTBLAST-EQUIPME	ANY IND	-2-	2	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CLEANER	FIREARMS	-3P	3	L--4--	I---5--
.886-010 PICKLER HELPER CONTINUOUS PICK	ANY IND	-3-	2	M--4--	I--4---

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503. PICKLING, CLEANING, DEGREASING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BARREL ATTENDANT LAP BALL CLEA MACH MFG -3- 2 H--4-6 I---5--
.885-034 METAL-WASHING-MACHINE OPERATOR REFRIGERAT E -3- 2 M--4-- I--4---
.885-046 STRIP-TANK TENDER FIREARMS -3- 3 M--4-- I-34-67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-010 CABINE-ABRASIVE SANDBLASTER ANY IND. -2- 2 L--4-- I------
.887-018 SANDBLASTER ANY IND -2P 2 M--4-- I---5-7
.885-050 TENDER ULTRASONIC CLEANING EQU ELECTRONICS -3- 2 M--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 DIP-LUBE OPERATOR AMMUNITION -3- 2 H-34-- I-----7
.885-026 FURNACE-AND-WASH-EQUIPMENT OPE AMMUNITION -3- 2 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 METAL-CLEANER IMMERSION ANY IND -3P 2 M--4-- I------
.782-010 COATER BUS SER -3P 5 L--4-6 I------

504. HEAT TREATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANNEALER JEWELRY -2- 2 L--4-- I------
.886-010 CHARGER-OPERATOR HELPER IRON / STEEL -2- 2 M--4-- I-3-5--
.885-010 BASE-DRAW OPERATOR AMMUNITION -2P 3 M--4-- I------
.885-014 BURNING-PLANT OPERATOR AMMUNITION -2- 2 H-34-- I-3-56-
.885-022 FLAME-HARDENING-MACHINE OPERAT HEAT TREAT -2P 2 M--4-- I-3----
.885-026 HEAT-TREATER HELPER HEAT TREAT -3- 2 M--4-- I-3--67
.885-030 INDUCTION-MACHINE OPERATOR HEAT TREAT -1- 2 M--4-- I------
.885-034 LEAD BLOWER PAINT / VARN -2- 4 L--4-- I-3----
.885-038 PRODUCTION HARDENER BUTTON -2- 2 H--4-- I-34-67
.885-042 REEL-BLADE-BENDER FURNACE TEND AGRIC EQUIP -2P 2 L--4-- I-3----
.885-054 STEAM-BLACKENING-FURNACE TENDE ELECTRONICS -2P 2 M--4-- I------
.782-010 ANNEALER HEAT TREAT -2- 4 M--4-6 I----67
.782-014 CASE HARDENER HEAT TREAT -3- 4 M--4-6 I-3--67
.782-018 HARDENER HEAT TREAT -2- 4 H--4-6 I-3--67
.782-042 TEMPERER HEAT TREAT -2- 4 M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-018 HARDENER HELPER CLOCK / WATC -2- 2 H--4-- I------
.782-030 HEAT TREATER HEAT TREAT -3- 4 M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-046 RIVET HEATER ANY IND -2P 4 M2-4-6 B2--56-

504. HEAT TREATING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010 HARDNESS INSPECTOR — HEAT TREAT -3- 4 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-018 CHARGER OPERATOR — IRON / STEEL -3P 4 M--4-- I-3-567
.885-050 SLAB-DEPILER OPERATOR — IRON / STEEL -1P 4 M--4-- I-3-5-7
.782-038 HEAT-TREATING BLUER — HEAT TREAT -3- 4 M--4-6 I-34-67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.886-014 FURNACE HELPER — NONFER METAL -3- 2 M--4-- I-3--6-

505. METAL SPRAYING, COATING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 COMPOUND-COATING-MACHINE OFF B — TINWARE -2- 2 L--4-- I---56-
.886-014 WAX-SPRAYING-MACHINE OPERATOR — DRUG PREP -1- 2 L--4-- I------
.885-010 ALODIZE-MACHINE HELPER — NONFER METAL -2P 3 M-34-- I--4--
.885-018 CERAMIC-COATER MACHINE — ANY IND -2- 2 M--4-6 I-3----
.885-022 COATER OPERATOR — TINWARE -2- 3 L--4-- I---5--
.885-030 LACQUER-DIPPING-MACHINE OPERAT — BUTTON -2- 2 M--4-- I------
.885-034 LUBRICATING-MACHINE TENDER — AMMUNITION -2- 2 M--4-- I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-038 METAL-SPRAYING-MACHINE OPERATO — ANY IND -2- 2 M--4-- I---5--
.884-014 ELECTROLESS PLATER — ANY IND -3- 3 M--4-- I------
.782-026 PASTING-MACHINE OPERATOR — ELEC EQUIP -3- 4 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-042 VACUUM-METALIZER OPERATOR — ANY IND -3P 3 M--4-6 I------
.884-010 CASE PREPARER-AND-LINER OPERAT — ORDNANCE -3P 4 L--4-6 I----6-
.884-022 METAL SPRAYER PRODUCTION — ANY IND -3P 2 M--4-6 I---5--
.884-026 SOLDER SPRAYER — ANY IND -2P 3 M-34-6 I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 COMPOUND MIXER — TINWARE -3- 4 V-34-- B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-014 BROWNING PROCESSOR — FIREARMS -3P 3 M--4-6 I-34-6-
.782-010 ALODIZE-MACHINE OPERATOR — NONFER METAL -3- 5 M--4-6 I--4---

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509. METAL PROCESSING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	PORCELAIN ENAMEL LABORER	ANY IND	-2P	2	M--4--	I-3----
.887-014	STRINGER	JEWELRY	-1P	1	---4--	I----6-
.885-018	IMPREGNATOR	IRON / STEEL	-2-	2	M--4--	I----6-
.885-034	SCRAP BALLER	IRON / STEEL	-2-	3	M--4--	I---56-
.782-018	MIXER OPERATOR HOT METAL	IRON / STEEL	-3P	5	L--4--	I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-022	KILN OPERATOR	IRON / STEEL	-3-	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010	LABORER GENERAL	IRON / STEEL	-3P	2	H234--	B-34567
.885-038	SCRAP HANDLER	ANY IND	-3P	3	H--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014	SCRAP SORTER	NONFER METAL	-1-	2	M-34--	I------
.885-014	GETTERING-FILAMENT-MACHINE OPE	ELEC EQUIP	-2-	3	L--4-6	I------
.885-026	LUBRICATOR-GRANULATOR	IRON / STEEL	-3-	2	L--4--	I------
.885-046	TANK TENDER	ORE DRESS SM	-3P	5	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010	ELECTROSTATIC-SEPARATOR OPERAT	IRON / STEEL	-3-	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010	FILAMENT DISSOLVER	ELECTRONICS	-3-	3	M--4--	I----67
.782-022	ROLL COATER	STRUCT / ORN	-3-	4	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030	PREFORMING-MACHINE OPERATOR	ELECTRONICS	-3-	3	M--4-6	I--4-67
.885-042	SHOT POLISHER AND INSPECTOR	AMMUNITION	-3P	3	M--4--	I------
.884-014	TEST PREPARER	IRON / STEEL	-3P	5	M--4--	I------
.782-010	APERTURE-MASK-PROCESSING-EQUIP	ELECTRONICS	-3-	4	M--4--	I--4---

ORE REFINING AND FOUNDRY WORK (510.-519.)

Occupations in this area are, in general, concerned with reducing ores to a form where the resulting metals may be further processed by occupations included under groups 500.-509.

Occupations in this area are distributed across all eight combinations of cognitive demand. About one-third demand only minimum cognitive capabilities of any kind. There are also significant concentrations of opportunities for occupations demanding only moderate mathematics capabilities and for occupations demanding a combination of moderate mathematics and language capabilities. Mathematics requirements are generally derived from the use of weights and measures to determine operational data, but more sophisticated computations such as the determination of voltage drops and ore yields may be encountered. Language demands are usually verbal or hand signals to facilitate team operations, although some occupations require recording of operational data in logs. Perceptual processing is involved in activities such as determining, by feel, whether an ore mix has achieved proper characteristics or noting the color of samples subjected to test procedures.

Mechanical skills are an asset for the minor maintenance of equipment used in these operations. Basic electrical and chemical knowledge can also be a distinct asset in many situations. Psychomotor skill is demanded in a large proportion of occupations for the operation of equipment, although computer control is tending to reduce this requirement. Safety procedures are extremely important because of the prevalence of powerful machinery, high voltages, high temperature, and dangerous substances; but training for such procedures is generally provided by the employer rather than being a prerequisite for employment.

There are opportunities to move from helper to fully responsible positions. Some supervisory positions are available out of the ranks of ore refining and foundry workers.

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510. MIXING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 PUG-MILL OPERATOR — ORE DRESS SM -2P 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 MIXER — IRON / STEEL -2- 2 H--4-- I----6-
.885-026 SLIME-PLANT OPERATOR — ORE DRESS SM -3P 3 L--4-- B------
.885-030 SLURRY-CONTROL TENDER — ORE DRESS SM -3- 5 M2-4-- O----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 MIX-HOUSE TENDER — ORE DRESS SM -2- 3 L--4-- I------

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510. MIXING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 SINTER-MACHINE OPERATOR — IRON / STEEL -3- 5 M--45- I-3-567

511. SEPARATING, FILTERING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLANKET WASHER — ORE DRESS SM -1- 2 M--4-- I---5--
.887-018 FLOTATION-TENDER HELPER — ORE DRESS SM -1- 1 M-34-- I--4---
.887-022 SKIMMER-REVERBERATORY — ORE DRESS SM -2P 3 M--4-- I-3--6-
.887-026 TAILINGS-DAM LABORER — ORE DRESS SM -2- 2 H--4-- O------
.886-010 REAGENT-MAN HELPER — ORE DRESS SM -2P 2 M234-- B----67
.885-018 CONDENSER-TUBE TENDER — ORE DRESS SM -2- 2 H-34-- B----67
.885-030 DUST-COLLECTOR ATTENDANT — MINING / QUA -3P 3 L--4-- I--45--
.885-062 PRECIPITATOR — ORE DRESS SM -3- 4 L--4-- I------
.885-070 SCREEN OPERATOR — ORE DRESS SM -3P 4 M-34-- I------
.885-094 TROMMEL TENDER — ORE DRESS SM -2- 2 M-34-- O--4---
.884-010 BOTTOM-PRECIPITATOR OPERATOR — ORE DRESS SM -3- 4 M--4-- B------
.782-010 CLARIFIER OPERATOR — ORE DRESS SM -3- 4 M2-4-- O----67
.782-014 CLASSIFIER OPERATOR — ORE DRESS SM -3- 5 M--4-- B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-078 SLIME-PLANT-OPERATOR HELPER — ORE DRESS SM -3P 3 L234-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 CLASSIFIER TENDER — ORE DRESS SM -3- 4 L--4-- I------
.885-034 FLOATATION TENDER — ORE DRESS SM -3- 4 L2-4-- I---5--
.885-050 KETTLE TENDER, PLATINUM AND PA — ORE DRESS SM -3- 4 M--4-- I------
.885-058 PRECIPITATOR — ORE DRESS SM -3- 4 M-34-- I------
.885-066 REAGENT TENDER — ORE DRESS SM -3P 4 L--4-- I------
.885-086 THICKENER OPERATOR — ORE DRESS SM -3P 4 L-34-- B------
.782-022 COTTRELL OPERATOR — ORE DRESS SM -3P 5 M234-- I-----7
.782-038 TUNGSTEN REFINER — ORE DRESS SM -3- 5 M2-4-- I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 AMALGAMATOR — ORE DRESS SM -3- 3 L--4-- I--4--7
.782-030 DUST COLLECTOR ORE CRUSHING — ORE DRESS SM -3P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-014 CLARIFIER-OPERATOR HELPER — ORE DRESS SM -3- 3 M2-4-- O----67
.885-022 DEWATERER OPERATOR — ORE DRESS SM -3- 5 M--4-- I--4-67
.885-038 HYDRATE-CONTROL TENDER — ORE DRESS SM -3P 4 M2-4-- I----67
.885-042 IRON-LAUNDER OPERATOR — ORE DRESS SM -3- 4 L-3456 O------
.885-054 MOLYBDENUM-STEAMER OPERATOR — ORE DRESS SM -3- 4 L--4-- I------

511. SEPARATING, FILTERING, AND RELATED WORK (CONT.)

.885-074 SLIME-PLANT OPERATOR — ORE DRESS SM -3- 4 L-34-- I--4---
.782-026 CRYOLITE-RECOVERY OPERATOR — ORE DRESS SM -3P 5 M2-4-- I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-030 COTTRELL TREATER — ORE DRESS SM -3P 3 M234-- I------
.885-046 KETTLE TENDER II — ORE DRESS SM -3- 4 M--4-- I------
.885-098 ZINC-CHLORIDE OPERATOR — ORE DRESS SM -3- 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-026 DRIER TENDER — ORE DRESS SM -3- 4 L--4-- I------
.885-082 TABLE TENDER — ORE DRESS SM -3- 4 M--4-- I--4---
.885-090 TOP-PRECIPITATOR OPERATOR — ORE DRESS SM -3P 4 M--4-- O----67
.782-018 CONTROL OPERATOR — ORE DRESS SM -3- 5 L--4-6 I-3--6-
.782-034 LEACHER — ORE DRESS SM -3- 5 L2-4-- I---5--

512. MELTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CONDENSER SETTER — ORE DRESS SM -2P 3 M--4-- I------
.887-014 THIRD HELPER — IRON / STEEL -2- 3 H--4-- I-3-567
.886-018 PIG-MACHINE-OPERATOR HELPER — IRON / STEEL -2P 2 M--4-- I-3-56-
.885-010 FURNACE TENDER — FOUND NONFER -2- 2 H--4-- I-3--6-
.885-022 RECLAMATION KETTLE TENDER, MET — ORE DRESS SM -3- 2 M-34-6 I-3-5--
.883-010 CHARGING-MACHINE OPERATOR — IRON / STEEL -2P 5 L--4-- I-3-56-
.883-014 FURNACE CHARGER — NONFER METAL -3P 5 M234-- I-3--67
.782-010 BESSEMER REGULATOR — IRON / STEEL -2P 5 M--4-- I------
.782-042 STOVE TENDER — IRON / STEEL -3- 5 M--4-- B-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 CUPOLA CHARGER — FOUND -3- 2 M--45- I-3--6-
.886-014 FURNACE HELPER — NONFER METAL -3- 2 M-34-- I-3--67
.885-014 NOZZLE TENDER — NONFER METAL -3P 3 M--4-- I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 TEMPERATURE REGULATOR, PYROMET — FOUND -3- 2 L--4-- I-3-5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 POT TENDER — ORE DRESS SM -3- 3 M--4-- I-3--67
.782-018 CUPOLA TENDER — FOUND -3- 5 M-34-6 I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-026 FURNACE OPERATOR — FOUND IRON -3P 5 M--4-6 I-3--67
.782-038 PIG-MACHINE OPERATOR — IRON / STEEL -3P 5 H--4-- I-3-56-

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513. ROASTING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 KILN-OPERATOR HELPER — ORE DRESS SM -2P 3 M--4-- O-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 SINTER FEEDER — IRON / STEEL -2- 4 M--4-- I---5-7
.782-014 ROTARY-KILN OPERATOR — ORE DRESS SM -3P 4 M-34-- B----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 KILN OPERATOR — ORE DRESS SM -3- 4 L--4-- I-3-56-

514. POURING AND CASTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 SPOUT WORKER — ORE DRESS SM -2- 3 M--4-- I-3-567
.885-010 CENTRIFUGAL-CASTING-MACHINE OP — FOUND -3P 4 M--4-- I-3--6-
.885-034 TUBE-CLEANING OPERATOR — FOUND -2- 2 M--4-- I------
.884-010 CASTER — ORE DRESS SM -3P 4 M--4-6 I-3--67
.884-014 CUPOLA TAPPER — FOUND -2P 2 L--4-6 I-3-567
.884-022 LADLE POURER — ORE DRESS SM -2P 4 M--4-6 I-3--67
.884-026 POURER CRUCIBLE — FOUND -1- 3 M--4-6 I-3-567
.884-030 POURER METAL — FOUND -1- 3 M--4-6 I-3-567
.884-034 TAPPER — NONFER METAL -2P 4 H--4-6 I-3--67
.782-010 CASTING OPERATOR — NONFER METAL -2P 4 M--4-- I-3--6-
.782-026 PRESS OPERATOR, CARBON BLOCKS — ORE DRESS SM -3P 5 L--4-- I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 CASTING-HOUSE HELPER — NONFER METAL -2- 2 H-34-- I-3--67
.887-038 TAPPER HELPER — ORE DRESS SM -3P 3 H-34-- I----67
.885-014 CENTRIFUGAL-CASTING-MACHINE OP — FOUND -2P 2 M--4-- I-3--6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 CASTING-WHEEL-OPERATOR HELPER — ORE DRESS SM -2P 3 M-34-- I-3--6-
.887-042 WAX-PATTERN COATER — FOUND -2- 2 M--4-6 I------
.885-018 DIE-CASTING-MACHINE OPERATOR — FOUND -3P 2 M--4-- I-3--6-
.885-022 DIE-CASTING-MACHINE OPERATOR — TOYS / GAMES -2P 3 H--4-- I-3-56-
.885-026 LIME MIXER TENDER — IRON / STEEL -2P 3 M--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-014 CASTING-OPERATOR HELPER — NONFER METAL -3P 3 M--4-- I-3--6-
.887-026 MOLD WORKER — IRON / STEEL -2P 2 M2-4-- O------
.885-030 NOZZLE-AND-SLEEVE WORKER — NONFER METAL -3P 3 M--4-- I------
.884-018 INGOT HEADER — NONFER METAL -3- 4 M--4-6 I-3--67

514. POURING AND CASTING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-022 METAL CONTROL WORKER	FOUND	-2-	2	M--4--	I------
.887-030 PLASTERER MACHINE	FOUND	-2P	3	L--4--	I------
.782-022 DIE-CASTING-MACHINE OPERATOR	FOUND	-3P	4	M--4--	I-3--6-
.782-030 VACUUM CASTER	FOUND	-3P	5	M--4-6	I-3----
.687-010 CASTING INSPECTOR	FOUND	-2-	2	H--4-6	I-----7

515. CRUSHING AND GRINDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HAMMER-MILL OPERATOR	ORE DRESS SM	-1-	3	M--4--	I------
.885-014 CRUSHER TENDER	ORE DRESS SM	-3P	4	H--4--	I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BATCH MAKER	IRON / STEEL	-3P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 STAMPING MILL TENDER	ORE DRESS SM	-2P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 SCALE-RECLAMATION TENDER	ORE DRESS SM	-3P	4	M--4--	O----67
.885-026 WEIGHER-AND-CRUSHER	ORE DRESS SM	-3P	4	M--4--	B------
.782-010 GRINDING-MILL OPERATOR	MINING / QUA	-3P	5	L--4--	I---5--

518. MOLDING, COREMAKING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FOUNDRY LABORER CORE ROOM	FOUND	-3P	2	M-34--	I------
.885-010 CORE-OVEN TENDER	FOUND	-3-	2	M--4--	I----6-
.885-014 COREMAKER MACHINE	FOUND	-3P	3	M--4-6	I-----7
.885-018 COREMAKER MACHINE	FOUND	-2P	2	M-34--	I-----7
.885-022 COREMAKER MACHINE	FOUND	-2P	2	M--4--	I-----7
.885-026 SHELL MOLDER	FOUND	-2P	2	L--4--	I----67
.885-030 SHELL-MOLD-BONDING-MACHINE OPE	FOUND	-3P	2	L--4-6	I-3--67
.883-010 SAND-SLINGER OPERATOR	FOUND	-2P	3	L--4--	I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 MOLD-MAKER HELPER	ORE DRESS	-3P	3	M-34--	I----6-
.884-014 COREMAKER PIPE-	FOUND	-3P	5	M--4--	I-3---7
.780-010 SETTER, MOLDING-AND-COREMAKING	FOUND	-3P	3	M--4--	I------

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518. MOLDING, COREMAKING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010	CORE SETTER	FOUND	-2-	2	M--4--	I---5-7
.884-018	MOLD CLOSER	FOUND	-2P	4	H--4--	I-----7
.884-022	MOLD MAKER	ORE DRESS	-3P	4	M--4--	I----6-
.884-030	WAX-PATTERN ASSEMBLER	FOUND	-2P	2	M--4-6	I------
.884-034	WAX-PATTERN REPAIRER	FOUND	-2P	2	M--4-6	I------
.782-010	MACHINE MOLDER	FOUND	-3P	4	M--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026	PLASTER MOLDER	FOUND	-3P	5	M--4-6	I------
.687-010	CORE CHECKER	FOUND	-3-	2	M--4-6	I------

519. ORE REFINING AND FOUNDRY WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CARBON SETTER	ORE DRESS SM	-3-	3	H-34--	I-3--67
.887-014	CELL PLASTERER	ORE DRESS SM	-1P	3	L--4--	I------
.887-018	DUST PULLER	ORE DRESS SM	-1-	2	L--4--	B-----7
.887-030	RODDING-ANODE WORKER	ORE DRESS SM	-2P	3	H-34--	I----6-
.887-034	STOPPER-MAKER HELPER	IRON / STEEL	-2P	3	H--4--	I----6-
.887-038	TEST-WORKER	FOUND	-2-	2	L--4--	I-3-567
.886-010	LABORER GENERAL	NONFER METAL	-2-	2	H--4--	I------
.886-014	TOP-PRECIPITATOR-OPERATOR HELP	ORE DRESS SM	-3P	2	M--4--	O----67
.885-022	GRANULATOR TENDER	IRON / STEEL	-2-	4	M--4--	B-3-56-
.885-046	MUD BOSS	ORE DRESS SM	-3P	4	M234--	I-----7
.885-050	MUD-MILL TENDER	ORE DRESS SM	-2-	3	M--4--	I--4---
.885-066	STANDPIPE TENDER	COKE PROD	-3P	2	M234--	O-3-567
.884-018	LEAF COVERER	ORE DRESS SM	-2P	3	M2----	I--4-6-
.884-034	STOPPER MAKER	IRON / STEEL	-2-	4	H--4--	I------
.884-038	TOOL REPAIRER	ORE DRESS SM	-2P	5	L--4--	I------
.883-010	DROSS SKIMMER	ORE DRESS SM	-2P	4	H--4--	I-3---
.883-018	OPERATOR DOOR MACHINE	COKE PROD	-3P	3	M-34-6	B-3-567
.883-022	PUSHER OPERATOR	COKE PROD	-3P	3	M234-6	B-3-567
.883-026	HOT-CAR OPERATOR	COKE PROD	-3P	3	S2-4-6	I-34567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014	DIGESTION OPERATOR	ORE DRESS SM	-2-	4	H2-4--	O----67
.885-070	TANK-HOUSE OPERATOR HELPER	ORE DRESS SM	-2P	3	M234--	I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-022	FOUNDRY WORKER GENERAL	FOUND	-3P	2	H--4--	I-3--6-
.887-026	LABORER GENERAL	ORE DRESS SM	-3-	2	H-34--	B----67
.885-058	ROD-MILL TENDER	CEMENT FERTI	-3P	4	L2-4--	I---5-7
.883-014	LARRY OPERATOR	COKE PROD	-3P	3	M--4-6	B-3--67

519. ORE REFINING AND FOUNDRY WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BRIQUETTING-MACHINE OPERATOR — ORE DRESS SM -2P 3 L--45- I------
.884-014 LADLE LINER — FOUND -3P 4 M-34-6 I---5-7
.884-022 MOLD DRESSER — ORE DRESS SM -2P 4 M--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 FLUX MIXER — NONFER METAL -3P 3 H-34-- I-3--67
.885-026 GRINDER-MILL OPERATOR — ORE, DRESS SM -3P 4 L--4--- I---5--
.885-034 HARDNESS TESTER — MINING / QUA -3- 3 L--4-- I---5--
.885-042 KETTLE TENDER I — ORE DRESS SM -3- 4 M--4-6 I-3--67
.885-054 RECOVERY-OPERATOR HELPER — ORE DRESS SM -3P 3 M23--- I----67
.885-062 SAMPLE TESTER-GRINDER — MINING / QUA -3- 4 L--4-- L---5--
.885-074 WET-PLANT OPERATOR — ORE DRESS SM -3- 4 L--4-- I------
.884-010 CARNALLITE-PLANT OPERATOR — ORE DRESS SM -2- 4 M--4-- I------
.884-030 RAW SAMPLER — ORE DRESS SM -3P 4 L--4-- I-----7
.782-014 RECOVERY OPERATOR — ORE DRESS SM -3P 5 M23--- I----67
.387-010 MANOMETER TECHNICIAN — ORE DRESS SM -3- 3 L--4-- B---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 POT LINER — ORE DRESS SM -3P 4 M-34-- I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-038 KETTLE OPERATOR — ORE DRESS SM -3- 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 GROUT MACHINE TENDER — ORE DRESS SM -2P 2 M------ I------

PROCESSING OF FOOD AND RELATED PRODUCTS (520.-529.)

Occupations in this area are concerned with preparing food, tobacco, and related products for commercial applications by slaughtering, cutting, separating, crushing, sifting, blending, grinding, fermenting, culturing, distilling, heating, melting, rendering, drying, cooking, baking, packing, and related operations. There are 680 occupational titles from this area listed in this handbook.

Over half of the occupations in this area have minimal cognitive demands, but each of the other seven combinations of cognitive demands also has substantial numbers of occupational titles. Language demands tend to be focused on the interpretation of written materials and the entry of operational data on records rather than upon extensive verbal communication. Mathematics demands are heavily tied to the instrumentation and controls of processing equipment but also are associated with such activities as interpreting the results of analytic tests, setting and adjusting metering devices to deliver a specified volume or weight of an ingredient, calculating amounts of ingredients, and calculating contents of products. Perceptual processing demands often derive from control adjustments which are based upon observations of color, uniformity, and texture or upon feel to determine consistency.

Although computer control is tending to replace manual operation of processing equipment, a substantial number of occupations still involve such manual control. Tending automated processing equipment requires rapid response to trouble indicators to prevent jam-ups, spoilage, equipment damage, or hazard. Psychomotor skills may also be associated with hand operations such as icing cakes or boning poultry and fish. Mechanical skills can be a definite asset in minor maintenance of equipment. Fundamental knowledge of chemistry and biology can be an asset in understanding food processes.

The processing of food and related products occurs in nearly all geographic regions of the country but is most concentrated around rural areas near the source of farm products and urban population centers which represent the final markets. Occupations closely associated with the raw materials are often subject to seasonal employment. Career progression opportunities are limited.

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520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLENDER LABORER
.887-014 BLINTZE ROLLER
.887-018 BURRITO MAKER
.887-022 CANDY MOLDER HAND
.887-026 CANDY SPREADER
.887-030 COLLECTOR
.887-038 FOOD MIXER

TOBACCO	-1-	1	V-34--	I------
FOOD PREP N	-1P	2	M-----	I------
FOOD PREP N	-2P	2	L--4--	I------
CONFECTION	-2-	4	L--4--	I------
CONFECTION	-2P	3	M--4--	I------
FOOD PREP N	-1-	2	M-----	I------
GRAIN / FEED	-2-	2	M--4--	I------

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.887-042	GUM PULLER	CHEW GUM	-2-	2	M-34-- I------
.887-050	LUMP WRAPPER HAND	TOBACCO	-1P	2	L--4-- I------
.887-058	PRETZEL TWISTER	BAKE PROD	-2P	2	L--4-- I------
.887-066	SIRUP-MIXER ASSISTANT	CORN PROD	-1-	2	V234-- I------
.886-010	BALL-MACHINE OPERATOR	CONFECTION	-2P	2	L--4-6 I---5--
.886-014	COFFEE DUMPER	FOOD PREP N	-1-	1	H--4-- I---5--
.886-018	DESSERT-CUP-MACHINE FEEDER	BAKE PROD	-1P	2	L--4-- I------
.886-022	DRY-FLAVORING MACHINE FEEDER	TOBACCO	-1-	2	L2-4-- I------
.886-026	FEED-MIXER HELPER	GRAIN / FEED	-2-	1	H--4-- I------
.886-030	FLOUR-BLENDER HELPER	GRAIN / FEED	-2-	2	H--4-- I------
.886-042	MOLDING-MACHINE-OPERATOR HELPE	CONFECTION	-2-	2	M--4-- I------
.886-046	PLUG SHAPER MACHINE	TOBACCO	-1-	2	M--4-- I---5--
.886-050	SNUFF-BLENDING-MACHINE-OPERATO	TOBACCO	-1-	2	M--4-- I------
.885-034	BLENDING-TANK TENDER	FLAV EXT / S	-2P	2	H234-- I--4---
.885-038	BRINE-MIXER OPERATOR AUTOMATIC	CAN / PRESER	-2-	2	L--4-- I------
.885-046	BULK-SAUSAGE-STUFFING-MACHINE	SLAUGHT / ME	-2-	2	M--4-- I------
.885-050	CAKE FORMER	OILS / FATS	-2P	2	L--4-- I---5--
.885-054	CAKE STRIPPER	OILS / FATS	-2-	2	M--4-- I---5--
.885-070	CASTING-MACHINE OPERATOR	CONFECTION	-2-	2	L--4-- I------
.885-074	CASTING-MACHINE OPERATOR	DAIRY PROD	-3P	2	L2-4-6 I------
.885-078	CHOPPING-MACHINE OPERATOR	SLAUGHT / ME	-3-	4	M--4-- I---8--
.885-082	CHURN OPERATOR, MARGARINE	OILS / FATS	-3-	2	L-4-- I------
.885-098	COOKER CASING	TOBACCO	-3-	3	M--4-- I------
.885-114	DRESSING-MACHINE OPERATOR	TOBACCO	-2-	2	M--4-- I------
.885-122	FEED MIXER	GRAIN / FEED	-2-	2	H-34-- I------7
.885-126	FEEDER OPERATOR AUTOMATIC	GRAIN / FEED	-3-	3	L--4-- I---5-7
.885-134	FLOUR BLENDER	GRAIN / FEED	-2-	3	H--4-- I---5-7
.885-142	GRAIN MIXER	GRAIN / FEED	-2P	3	L--4-- I------7
.885-146	GREEN-COFFEE BLENDER	FOOD PREP N	-2-	2	V-34-- I------
.885-154	KETTLE TENDER	CHEW GUM	-2-	2	H--4-- I------
.885-170	MILL FEEDER	GRAIN / FEED	-2P	2	M--4-- I------7
.885-174	MINGLER OPERATOR	SUGAR	-2P	3	M--4-- I---5--
.885-210	MIXING-MACHINE OPERATOR	CAN / PRESER	-2-	3	H--4-- I---5--
.885-222	MOLDER MEAT	SLAUGHT / ME	-2-	2	M-34-- I--4---
.885-226	PELLET-MILL OPERATOR	GRAIN / FEED	-2P	2	L--4-- I---5--
.885-230	PLUG SHAPER HAND	TOBACCO	-3P	2	M--4-- I------
.885-234	POTTER	TOBACCO	-2P	2	L-34-- I------
.885-238	PRESS OPERATOR MEAT	SLAUGHT / ME	-2-	2	M--4-- I------
.885-242	PRESSER	CORN PROD	-1P	2	L--4-- I------
.885-250	PRETZEL-TWISTING-MACHINE OPERA	BAKE PROD	-2P	2	L-34-- I------
.885-258	ROLLING-MACHINE OPERATOR	CONFECTION	-2P	5	M--4-- I------
.885-266	SAUSAGE MIXER	SLAUGHT / ME	-2-	2	V-34-- I------
.885-274	SNUFF-BLENDING-MACHINE OPERATO	TOBACCO	-3-	3	L--4-- I------
.885-282	STARCH-TREATING ASSISTANT	CORN PROD	-3-	4	H234-- O----67
.885-290	STUFFER	SLAUGHT / ME	-2P	2	M--4-- I--4---
.885-294	SWEET-GOODS-MACHINE OPERATOR	BAKE PROD	-3P	3	M--4-- I------
.885-298	TRAY-CASTING-MACHINE OPERATOR	DAIRY PROD	-3P	2	L--4-6 I------
.885-302	TUMBLER TENDER	FOOD PREP N	-2-	2	L2-4-- I------
.885-306	YEAST CUTTER	FOOD PREP N	-3-	2	L--4-6 I------
.884-018	ROLLER	CONFECTION	-2-	5	M--4-- I------

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520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK (CONT.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030	BLENDING-LINE ATTENDANT	TOBACCO	-3P	3	M--4--	I---5--
.885-086	CHURNER	OILS / FATS	-3P	2	L-345-	I------
.587-010	SCRAP SEPARATOR	MACARONI / R	-2-	2	M-34-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-034	FILLER MIXER	TOBACCO	-2-	2	L--4--	I------
.887-046	HOP WEIGHER	MALT LIQUORS	-2-	1	M-34--	I2---7
.887-054	MINCEMEAT MAKER	CAN / PRESER	-3-	3	M--4--	I------
.887-062	SEASONING MIXER	SLAUGHT / ME	-2-	2	M--4--	I------
.887-070	SPICE MIXER	CAN / PRESER	-2-	2	L--4--	I---5--
.886-034	GLUCOSE-AND-SIRUP WEIGHER	CHEW GUM	-2-	2	H--4-6	I------
.886-038	MASHING HAND	TOBACCO	-3-	2	H-34--	I------
.885-010	BATTER MIXER	FOOD PREP N	-2-	4	H--4--	I------
.885-026	BLENDER-MACHINE OPERATOR	OILS / FATS	-2-	2	M--4--	I------
.885-062	CANDY-MAKER HELPER	CONFECTION	-2-	4	M-34-6	I------
.885-066	CASING-FLUID TENDER	TOBACCO	-2-	3	M--4--	I------
.885-090	COCOA-POWDER-MIXER OPERATOR	CHOC / COCOA	-3-	3	M--4--	I------
.885-138	FLOUR MIXER	GRAIN / FEED	-2-	2	H-34--	I-----7
.885-162	LUMP-MACHINE OPERATOR	TOBACCO	-2-	2	L--4--	I------
.885-166	MASH GRINDER	DAIRY PROD	-3P	2	H-34--	I---5-7
.885-178	MIXER	FOOD PREP N	-3P	4	M--4-6	I------
.885-186	MIXER DRY-FOOD PRODUCTS	FOOD PREP N	-3P	4	H--4-6	I------
.885-198	MIXER OPERATOR	SALT PRODUCT	-3-	2	H--4--	I------
.885-202	MIXER WHIPPED TOPPING	FOOD PREP N	-3-	3	M--4--	I--456-
.885-206	MIXER-AND-BLENDER	FOOD PREP N	-3-	4	H--4--	I---5--
.885-218	MIXING-TANK OPERATOR	OILS / FATS	-3-	2	H-34--	I---5--
.885-262	SAUSAGE MAKER	SLAUGHT / ME	-2-	2	M--4--	I------
.885-278	SPICE MIXER	FOOD PREP N	-2-	2	L--4--	I-----7
.782-018	CENTER-MACHINE OPERATOR	CONFECTION	-3-	5	M--4-6	I------
.782-046	EXTRUDER OPERATOR	CEREAL	-2P	5	L--4-6	I------
.782-066	WHIPPED-TOPPING FINISHER	OILS AND FAT	-3P	4	L--4--	I--45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014	BATTER MIXER	BAKE PROD	-3P	4	L--4--	I------
.885-094	CONFECTIONERY-DROPS-MACHINE OP	CHOC / COCOA	-2-	4	L--4--	I------
.885-106	DIVIDING-MACHINE OPERATOR	BAKE PROD	-3P	3	L--4--	I------
.885-110	DOUGH-BRAKE-MACHINE OPERATOR	BAKE PROD	-2P	4	M--4--	I------
.885-118	FEED BLENDER	CORN PROD	-2-	2	M--4--	I--4---
.885-130	FLAKING-ROLL OPERATOR	CEREAL	-2P	3	L--4-6	I------
.885-150	ICING MIXER	BAKE PROD	-3-	3	M--4-6	I------
.885-214	MIXING-MACHINE OPERATOR	FOOD PREP N	-3-	2	L--4-6	I------
.885-246	PRESSMAN	MACARONI / R	-3P	4	M--4--	I--4---
.884-010	ALMOND-PASTE MOLDER	CONFECTION	-2P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018	BLENDER	BAKE PROD	-3-	2	V--4--	I-----7

520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK (CONT.)

.885-042 BROTH MIXER	BAKE PROD	-3P	4	H--34-	I------
.885-102 COOLER TENDER	SUGAR	-3-	4	M--4--	I------
.885-254 REFINED SIRUP OPERATOR	SUGAR	-3-	4	M--4--	B--4---
.885-270 SIRUP MAKER	FLAV EXT / S	-3-	4	M-3--6	I--4---
.885-286 STARCHMAKER	CORN PROD	-3-	3	L--4--	I--4---
.782-022 CISTERN-ROOM OPERATOR	DISTILLED LI	-3-	4	L--4--	I------
.782-030 CUBELET STATION OPERATOR	SUGAR	-3-	4	L--4--	I--4---
.782-038 DOUGH-MIXER OPERATOR	BAKE PROD	-3P	5	L-34--	I-34--7
.687-014 CASING-MATERIAL WEIGHER	TOBACCO	-2-	2	M--4--	I------
.487-014 PANTRY WORKER	CONFECTION	-3-	3	L-34-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 BLENDER SNUFF	TOBACCO	-2-	2	L--4--	I-----7
.885-194 MIXER OPERATOR	FLAV EXT / S	-2-	3	L--4-6	I-----7
.782-050 GUM-SCORING-MACHINE OPERATOR	CHEW GUM	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-182 MIXER CHILI POWDER	FOOD PREP N	-3P	3	H--4-6	I-----7
.885-190 MIXER OPERATOR	CHOC / COCOA	-3P	4	H--4--	I------
.782-010 BLENDING-PLANT OPERATOR	OILS / FATS	-3-	5	L--4--	I--4---
.782-034 DOUGH MIXER	BAKE PROD	-3P	5	H--4--	I------
.687-010 BLENDER	TOBACCO	-3-	2	M-34--	I------

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ALMOND BLANCHER HAND	NUT PROCESS	-1P	1	S--4-6	I--4---
.887-014 BATTERY-OPERATOR HELPER	SUGAR	-2P	2	M--4--	I--4---
.887-018 BINDER CUTTER HAND	TOBACCO	-2-	2	L--4--	I------
.887-022 BONE PICKER	CAN / PRESER	-2-	1	L--4-6	I--4-67
.887-026 CHAR PULLER	CORN PROD SU	-2P	2	H-34--	I--4--7
.887-030 CHAR-FILTER-OPERATOR HELPER	SUGAR	-3P	3	H--4--	I-3----
.887-034 COFFEE-ROASTER HELPER	FOOD PREP N	-1-	1	L--4--	I------
.887-038 DRIP-BOX TENDER	CORN PROD	-2-	1	M--4--	I--4---
.887-046 FILLER SPREADER	TOBACCO	-1-	2	M--4--	I------
.887-050 FILTER CHANGER	MALT LIQUORS	-2P	2	M--4--	I2-----
.887-054 FILTER-SCREEN CLEANER	MALT LIQUORS	-1-	2	M-34--	I2-4---
.887-062 FRUIT CUTTER	CONFECTION	-1-	1	L--4--	I------
.887-066 FISHER CHOPPER, GANG KNIFE	CAN / PRESER	-1-	2	V-34--	I--4--7
.887-070 HONEYCOMB DECAPPER	FOOD PREP N	-2P	3	H-34--	I--4-6-
.887-074 LABORER SIRUP MACHINE	CORN PROD	-2-	1	H--4--	I--4---
.887-082 NUT SORTER	NUT PROCESS	-1-	2	S--4-6	I------
.887-086 NUT STEAMER	NUT PROCESS	-2-	2	H-34--	I-34-6-
.887-090 PEELED-POTATO INSPECTOR	FOOD PREP N	-1-	2	L--4-6	I----38
.887-094 PICKER	TOBACCO	-1-	2	L--4-6	I-----7
.887-098 PICKING TABLE WORKER	SUGAR	-1-	1	L--4--	I------

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.887-102	RIDDLER CLEANER	TOBACCO	-1-	2	L--4-- I------
.887-106	SAUSAGE-MEAT TRIMMER	SLAUGHT / ME	-2P	2	H--4-- I2-----
.887-110	SHAKER	TOBACCO	-1-	1	L--4-- I------
.887-114	SHAKER WASHER	CORN PROD	-1P	2	M2-4-- I--4--7
.887-118	SHELLER	NUT PROCESS	-1P	2	L--4-- I------
.887-122	SHELLFISH SHUCKER	CAN / PRESER	-1P	3	L--4-- I--4-6-
.887-126	SKIN LIFTER BACON	SLAUGHT / ME	-1-	2	M--4-- I----6-
.887-130	SKULL GRINDER	SLAUGHT / ME	-1-	2	L--4-- I------
.887-134	STEMMER HAND	TOBACCO	-2P	2	L--4-- I------
.887-138	BUNCH TRIMMER, MOLD	TOBACCO	-1-	2	L--4-- I------
.886-010	BOLTER HELPER	GRAIN / FEED	-2P	2	L2-4-- I---5-7
.886-014	CAKE PULLER	OILS / FATS	-2-	2	H-34-- I---5--
.886-018	CHICLE-GRINDER FEEDER	CHEW GUM	-2P	2	M-34-6 I------
.886-022	COTTON PULLER	OILS / FATS	-2P	1	L--4-- I---5-7
.886-030	CUT-IN WORKER	GRAIN / FEED	-1P	2	H--4-- I-----7
.886-038	FLUMER	CORN PROD	-2P	1	M--4-- I------
.886-042	FLUMER	SUGAR	-2-	1	L2-4-- O--4---
.886-046	NUT CHOPPER	CONFECTION F	-2P	1	L--4-- I------
.886-050	PROCESSOR HELPER	GRAIN / FEED	-2P	2	M--4-- I------
.886-054	SCRAP SORTER	TOBACCO	-1-	2	M-34-- I------
.886-058	SLICE-PLUG-CUTTER-OPERATOR HEL	TOBACCO	-1-	2	L--4-- I------
.885-010	ALMOND HULLER	AGRIC	-2-	3	H-34-- I---5-7
.885-022	ALMOND-GRINDING-MACHINE OPERAT	NUT PROCESS	-2-	2	L--4-6 I------
.885-026	BLEACHER LARD	OILS / FAT S	-3-	2	M--4-- I------
.885-034	BREAKING-MACHINE OPERATOR	CHEW GUM	-1-	2	M--4-- I------
.885-038	BRINE-TANK-SEPARATOR OPERATOR	CAN / PRESER	-2-	2	L--4-- I------
.885-042	WINERY WORKER	VINOUS LIQUO	-3-	2	M234-- I--4--7
.885-062	CENTRIFUGE OPERATOR	FOOD PREP N	-2-	2	L--4-6 I------
.885-066	CLARIFIER	CORN PROD OI	-3-	3	L--4-- I------
.885-070	CLARIFIER	VINOUS LIQUO	-2-	4	L--4-- I-----7
.885-078	CLEAN-RICE GRADER AND REEL TEN	GRAIN / FEED	-3P	4	L--4-- I------
.885-082	COCOA-BEAN CLEANER	CHOC / COCOA	-3-	2	M--4-- I---5-7
.885-086	COCOA-BUTTER-FILTER OPERATOR	CHOC / COCOA	-2-	2	L-34-- I------
.885-090	COCOA-ROOM OPERATOR	CHOC / COCOA	-3P	4	H--4-- I----67
.885-094	COFFEE GRINDER	FOOD PREP N	-2-	2	L--4-- I------
.885-106	CRACKING-AND-FANNING-MACHINE O	CHOC / COCOA	-2P	4	M-34-- I------
.885-110	CRUSHING-MACHINE OPERATOR	VINOUS LIQUO	-3P	4	L--4-- O------
.885-114	CUTTER FROZEN MEAT	CAN / PRESER	-2-	2	V-34-- I---56-
.885-118	CUTTING-MACHINE OPERATOR	CONFECTION	-2P	5	M--4-- I------
.885-126	ELECTRIC-SORTING-MACHINE OPERA	NUT PROCESS	-2-	3	L--4-6 I------
.885-134	FEED GRINDER	GRAIN / FEED	-2P	2	L--4-- I---5-7
.885-138	FILTER PRESS TENDER	VINOUS LIQUO	-2-	3	L--4-- I-----7
.885-146	FILTERING MACHINE TENDER	CORN PROD	-2P	4	L--4-- I------
.885-150	FILTER TANK TENDER HELPER, HEA	CORN PROD	-2P	2	M-34-- I-3----
.885-154	FILTER TENDER, JELLY	CAN / PRESE	-2P	2	L--4-- I----6-
.885-162	FRUIT-PRESS OPERATOR	CAN / PRESER	-2P	2	V--4-- I--45--
.885-166	GLUTEN-SETTLING TENDER	CORN PROD	-2P	2	H234-- I--4--7
.885-170	GRADER TENDER	AGRIC	-2P	3	M--4-- I---5--
.885-174	GRANULATING-MACHINE OPERATOR	TOBACCO	-2-	2	M-34-- I------
.885-186	GRINDER OPERATOR	CEREAL	-2P	2	L--4-- I------

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

.885-190	GRINDER TENDER	GRAIN / FEED	-2P	2	L--4-- I---5-7
.885-198	HONEY EXTRACTOR	FOOD PREP N	-2-	3	M234-- I--456-
.885-202	HOP STRAINER	MALT LIQUORS	-3P	2	L--4-- I------
.885-206	HOPPER ATTENDANT	SUGAR	-2P	2	M--4-- I------
.885-210	HOT-WORT SETTLER	MALT LIQUORS	-2-	2	L--4-- I--4---
.885-242	MEAT GRINDER	SLAUGHT / ME	-2-	2	H-34-- I---5--
.885-246	MEAT-GRADING-MACHINE OPERATOR	NUT PROCESS	-2P	2	M--4-- I------
.885-250	MILK-POWDER GRINDER	DAIRY PROD	-2P	2	H-34-- I---567
.885-258	MILLER	MALT LIQUORS	-2-	2	L--4-- I-----7
.885-262	CRUSHER OPERATOR	SUGAR	-1P	3	M--4-- I---5--
.885-270	MONITOR-AND-STORAGE-BIN TENDER	GRAIN / FEED	-3P	2	LL234- 6I--567
.885-274	OILSEED MEAT PRESSER	OILS / FATS	-2P	2	M--4-- I---5--
.885-290	PRESS OPERATOR	DISTILLED LI	-2-	2	L--4-- I------
.885-294	FILTER-PRESS TENDER, HEAD	CORN PROD	-3P	4	M--4-- I-34--7
.885-298	PRESS TENDER, HEAD, FEED HOUSE	CORN PROD	-3P	4	L2-4-- O------
.885-302	PROCESSOR GRAIN	GRAIN / FEED	-3P	2	L2-4-6 I---5-7
.885-306	PULP-PRESS TENDER	SUGAR	-2P	4	L--4-- I------
.885-310	PULPER TENDER	CAN / PRESER	-3P	2	M--4-- I---5--
.885-314	RAISIN WASHER	FOOD PREP N	-1-	2	L----- I------
.885-318	RIDDLER OPERATOR	TOBACCO	-2-	2	M-34-- I------
.885-326	SAND-SCREEN OPERATOR AUTOMATIC	TOBACCO	-2P	2	L----- I-----7
.885-330	SCREEN-ROOM OPERATOR	SUGAR	-3P	3	M--4-- I---5--
.885-334	SEPARATOR TENDER	CORN PROD	-3P	3	M2-4-- I--4--7
.885-338	SEPARATOR OPERATOR	GLUE	-2-	2	L--4-- I------
.885-342	SEPARATOR OPERATOR SHELLFISH M	CAN / PRESER	-2P	2	M-34-- I--456-
.885-346	SHELLER	NUT PROCESS	-2P	3	L--4-- I---5-7
.885-350	SIEVE-GRADER TENDER	CAN / PRESER	-2P	2	L--4-- I--4---
.885-354	SLICE-PLUG-CUTTER OPERATOR	TOBACCO	-3P	2	L--4-- I------
.885-358	SLICING-MACHINE OPERATOR	BAKE PROD	-2P	2	L--4-- I------
.885-362	SLICING-MACHINE OPERATOR	SLAUGHT / ME	-3P	2	L--456 I------
.885-366	SMOKING-TOBACCO-CUTTER OPERATO	TOBACCO	-2P	2	L--4-- I------
.885-370	SNUFF GRINDER	TOBACCO	-2P	2	L--4-- I-----7
.885-374	SNUFF SCREENER	TOBACCO	-2-	2	L--4-- I------
.885-382	SORTING-MACHINE OPERATOR	CAN / PRESER	-2-	4	H-34-- I------
.885-386	SPICE CLEANER	FOOD PREP N	-2-	2	H-34-- I-----7
.885-390	SPICE MILLER	FOOD PREP N	-2P	4	H--4-- I-----7
.885-394	STEM-ROLLER-OR-CRUSHER OPERATO	TOBACCO	-2P	2	M-34-- I------
.885-398	STEMMER MACHINE	TOBACCO	-2P	2	L--4-- I------
.885-402	STRIP-CUTTING-MACHINE OPERATOR	TOBACCO	-2P	2	L--4-- I------
.885-406	STRIPPER-CUTTER MACHINE	MACARONI / R	-3P	2	L--4-- I------
.885-410	SUGAR GRINDER	SUGAR	-3P	3	H-34-- I------
.885-414	SUGAR PRESSER	CORN PROD	-1-	2	M--4-- I------
.885-422	SUGAR-MILL OPERATOR	TOBACCO	-2-	3	H-34-- I------
.885-426	THRESHER	TOBACCO	-2-	2	L-34-- I------
.885-430	TIPPLE TENDER	CORN PROD	-1-	2	H--4-- I------
.885-438	WINTERIZER	OILS / FATS	-2P	2	L--4-- I------
.884-010	BATCH-TANK CONTROLLER	CORN PROD	-2-	3	L2-4-- I-----7
.884-014	OFFAL SEPARATOR	SLAUGHT / ME	-2P	3	L--4-6 I--4-67

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

				PHYS.D WK COND HRP SVP 123456 1234567
.886-026	CUSTOM-FEED-MILL-OPERATOR HELP	GRAIN / FEED	-2P 2	H--4-- I-----7
.885-018	ALMOND-CUTTING-MACHINE TENDER	NUT PROCESS	-2P 3	L--4-6 I---5--
.885-078	LABORATORY MILLER	GRAIN / FEED	-2P 3	L--4-- I------
.885-266	GRAIN-MILLER HELPER	DISTILLED LI	-3P 3	M--45- I-----7
.782-018	CENTRIFUGAL OPERATOR	CORN PROD SU	-3- 4	M--45- I-345--
.782-070	SHRIMP-PEELING-MACHINE OPERATO	CAN / PRESER	-3P 5	L234-- I--456-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014	ALMOND-BLANCHER OPERATOR	NUT PROCESS	-2- 2	L--4-6 I------
.885-050	CENTRIFUGE OPERATOR	CAN / PRESER	-2- 3	L--4-- I--45--
.885-054	CENTRIFUGE OPERATOR	CORN PROD	-3P 4	L2-4-- O------
.885-058	CENTRIFUGE OPERATOR	DAIRY PROD	-3P 2	H-34-- I--45--
.885-074	CLARIFIER OPERATOR	SUGAR	-3- 3	M--4-- I--4-67
.885-178	GRANULATOR OPERATOR	SUGAR	-3P 4	L--4-- I------
.885-214	DETHISTLER OPERATOR	CAN / PRESER	-3- 4	M-34-- I------
.885-238	MASH-FILTER OPERATOR	MALT LIQUORS	-2P 2	L--4-- I-34---
.885-294	FILTER-PRESS TENDER, HEAD	GRAIN / FEED	-3P 4	M-34-- I---567
.782-010	BATTERY OPERATOR	SUGAR	-3- 4	M--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-042	EGG BREAKER	ANY IND	-2P 3	L--4-- I------
.887-058	FISH-LIVER SORTER	CAN / PRESER	-2P 2	M--4-6 I--4--7
.886-034	FISH-MACHINE FEEDER	CAN / PRESER	-1- 2	M--4-- I--4--7
.885-098	CORN GRINDER	FOOD PREP N	-2- 3	M--4-- I--4---
.885-122	EGG-BREAKING-MACHINE OPERATOR	SLAUGHT / ME	-2- 3	L--4-- I------
.885-130	EXTRACTOR-MACHINE OPERATOR	FLAV EXT / S	-3- 2	L234-- I--4---
.885-158	RICE CLEANING MACHINE TENDER	GRAIN / FEED	-3P 4	L234-- I---567
.885-194	HASHER OPERATOR	SLAUGHT / ME	-2- 2	H-34-- I--4---
.885-222	LINTER TENDER	OILS / FATS	-2P 2	M-34-- I---5-7
.885-230	LIQUOR-GRINDING-MILL OPERATOR	CHOC / COCOA	-3P 4	M--4-6 I------
.885-234	LYE-PEEL OPERATOR	CAN / PRESER	-2P 2	L--4-- I---56-
.885-254	MILL OPERATOR	CORN PROD	-2P 3	L2-4-- I-----7
.885-278	PEANUT BLANCHER	NUT PROCESS	-2- 2	H-34-6 I------
.885-282	POTATO-PEELING-MACHINE OPERATO	FOOD PREP N	-3P 2	M--4-- I--4---
.885-322	ROUGH-RICE TENDER	GRAIN / FEED	-3P 4	L234-- I---567
.885-418	SUGAR-CHIPPER-MACHINE OPERATOR	CORN PROD	-1- 2	H----- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-078	LIQUOR-BRIDGE-OPERATOR HELPER	SUGAR	-2- 3	M--4-- I------
.885-046	CENTRIFUGAL-STATION OPERATOR A	SUGAR	-3- 4	L--4-- I---5--
.885-058	FILTERMAN HEAD	CORN PROD	-3P 4	L-34-- I--4---
.885-182	GRATED-CHEESE MAKER	DAIRY PROD	-2P 2	M2-4-- I---5-7
.885-286	POWDER-MILL OPERATOR	SUGAR	-3P 4	H--4-- I------
.782-026	COCOA-PRESS OPERATOR	CHOC / COCOA	-3- 5	L--4-- I------
.782-030	FILTER OPERATOR	CORN PROD	-3P 5	L2-4-- O------
.782-038	SEPARATOR OPERATOR	CORN PROD	-3- 5	L--4-- O------

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-030	BOLTER	GRAIN / FEED	-2P	4	L2-4-6	I---5-7
.885-102	CORN-GRINDER OPERATOR AUTOMATI	CORN PROD	-3P	3	L--4--	I------
.782-034	FLAKE MILLER WHEAT AND OATS	CEREAL	-3P	5	L2-4--	I---5--
.687-010	BINDER SELECTOR	TOBACCO	-2-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-226	LIQUOR-BRIDGE OPERATOR	SUGAR	-3P	4	M--4--	I------
.782-074	SILICA-FILTER OPERATOR	MALT LIQUORS	-3-	4	M--4--	I2-4---

522. CULTURING, MELTING, FERMENTING, DISTILLING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BARREL FILLER	DISTILLED BI	-1-	2	H-34--	I------
.887-014	BRINER	CAN / PRESER	-1-	2	H-34--	I--4--7
.887-018	BULKER	TOBACCO	-1P	2	L2-4--	I------
.887-026	COMBER	SLAUGHT / ME	-1-	1	M--4--	I------
.887-034	LEAF CONDITIONER	TOBACCO	-1-	2	M--4--	I------
.887-038	LEAF-CONDITIONER HELPER	TOBACCO	-1-	1	M-----	I------
.887-042	LUMP GREASER	TOBACCO	-1-	2	L--4--	I------
.887-046	PICKLE MAKER	SLAUGHT / ME	-2-	2	H--4--	I------
.887-054	PRIZER	TOBACCO	-2P	2	M--4--	I-3-5--
.887-070	TOBACCO RACKER	TOBACCO	-1-	2	M--4--	I------
.887-074	TOBACCO-HANDS DROPPER	TOBACCO	-1-	1	L-34--	I------
.887-078	TURNER	CAN / PRESER	-1-	2	M--4--	I------
.886-010	CHIP WASHER	MALT LIQUORS	-1-	2	L-34--	I2-4---
.886-014	GENERAL HELPER	FOOD PREP N	-2-	2	M--4--	I------
.885-022	CASING-MACHINE OPERATOR	TOBACCO	-2-	3	L--4--	I---5--
.885-034	DE-ALCOHOLIZER	MALT LIQUORS	-2P	3	L-34--	I23----
.885-038	DROPPER FERMENTING CELLAR	MALT LIQUORS	-1P	2	L-34--	I2-----
.885-042	UNLOADER	MALT LIQUORS	-3-	2	M--4--	I--4---
.885-046	FERMENTER WINE	VINOUS LIQUO	-2-	2	L--4--	I------
.885-050	FILTER TENDER	CORN PROD	-2P	4	L2-4--	I--4---
.885-074	NICOTINE EXTRACTOR	TOBACCO	-2-	3	L--4--	I------
.885-098	WRINGER OPERATOR	TOBACCO	-2P	2	M-34--	I------
.885-102	YEAST PUSHER	MALT LIQUORS	-2-	2	L-34--	I2-4---
.687-010	LIQUOR INSPECTOR	DISTILLED LI	-1-	2	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-062	SPICE FUMIGATOR	FOOD PREP N	-2-	2	H-34--	I----67
.887-066	SUGAR BOILER HELPER	SUGAR	-2-	2	H--4--	I------
.885-030	CURING-BIN OPERATOR	CEREAL	-2P	2	L--4--	I------

522. CULTURING, MELTING, FERMENTING, DISTILLING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-026	CORN COOKER	FOOD PREP N	-2-	3	L--4-- I------
.885-062	HONEY PROCESSOR	FOOD PREP N	-3P	4	L2-4-- I--4---
.885-066	MALT-HOUSE OPERATOR	MALT LIQUORS	-3P	4	M-34-6 I23-5-7
.885-078	PUMPER	SLAUGHT / ME	-3P	3	M--4-- I--4---
.885-094	VACUUM-CONDITIONER OPERATOR	TOBACCO	-3P	3	L--4-- I------
.782-038	RECEIVER FERMENTING CELLARS	MALT LIQUORS	-3-	4	L-34-- I2-45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022	CIGAR-TOBACCO REHANDLER	TOBACCO	-1-	2	M--4-- I------
.887-030	FILLER ROOM ATTENDANT	TOBACCO	-2-	2	M--4-- I------
.887-050	PICKLER	SLAUGHT / ME	-2P	2	M-34-- I--4---
.887-058	SNUFF CASER	TOBACCO	-1-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010	BARLEY STEEPER	MALT LIQUORS	-3P	2	M--4-- I--4---
.885-014	BRINE MAKER	CAN./ PRESER	-2P	3	L--4-6 I--4---
.885-058	GERMINATION WORKER	MALT LIQUORS	-3-	2	L-34-- I--4---
.885-070	MOLASSES PREPARER	FOOD PREP N	-3P	3	M--4-6 I------
.885-082	SEED-YEAST OPERATOR	FOOD PREP N	-3-	3	L--4-6 I------
.885-086	STEEP TENDER	CORN PROD	-3-	4	L2-4-- O-----7
.885-090	SUGAR-PROCESSING-EQUIPMENT TEN	SUGAR	-2P	2	L--4-6 I------
.885-106	YEAST-FERMENTATION ATTENDANT	FOOD PREP	-3-	3	L--4-6 I------
.884-010	NEUTRALIZER	CORN PROD	-3-	3	L--4-- I------
.884-014	PICKLER	CAN / PRESER	-2P	4	M-34-- I--4---
.782-018	KETTLE OPERATOR	MALT LIQUORS	-3P	4	M--4-- I-34---
.782-026	MASH-TUB-COOKER OPERATOR	DISTILLED LI	-3P	5	M--4-6 I-3--6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-082	WRAPPER-HANDS SPRAYER	TOBACCO	-2P	2	L--4-- I------
.885-054	FISH SMOKER	CAN / PRESER	-2-	2	V-34-6 I--4--7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-034	ORDERING-MACHINE OPERATOR	TOBACCO	-3P	4	L--4-- I------
.782-042	SMOKER	SLAUGHT / ME	-3-	4	V--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-018	CARBONATION EQUIPMENT TENDER	MALT LIQUORS	-2P	3	L--4-- I2-----
.782-010	COTTAGE-CHEESE MAKER	DAIRY PROD	-3-	4	M--4-- I--4---
.782-030	MASHER	MALT LIQUORS	-3P	4	L--456 I-34---

523. HEATING, RENDERING, MELTING, DRYING, FREEZING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	COOLING PORCH STACKER	CAN / PRESER	-1-	2	H-34--	I-3--6-
.887-018	FISH DRIER	CAN / PRESER	-1-	2	H--4--	B------
.887-026	KILN LOADER	MALT LIQUORS	-1-	2	M-34--	I------
.887-030	SPREADER	TOBACCO	-1-	2	M--4--	I------
.886-014	OVEN TENDER	TOBACCO	-1-	2	M--4--	I------
.886-018	TEXTILE-DRIER-OVEN FEEDER	TOBACCO	-1-	2	L--4--	I------
.885-010	BATCH FREEZER	DAIRY PROD	-2-	2	L--4--	I------
.885-030	COFFEE ROASTER	FOOD PREP N	-2P	3	L--4--	I------
.885-038	COOK-BOX FILLER	SLAUGHT / ME	-2P	2	M--4--	I------
.885-042	COOKER MEAL	OILS / FATS	-2P	2	L2-4--	I---5--
.885-046	COOLER OPERATOR	TOBACCO	-2P	2	L--4--	I------
.885-050	COOLER TENDER	CORN PROD	-2P	2	L2-4--	I------
.885-058	COOLING-PAN TENDER	CAN / PRESER	-2-	2	L--4--	I---5--
.885-066	CRYSTALLIZER OPERATOR	CORN PROD	-2P	4	M234--	I------
.885-082	DRIER TENDER	NUT PROCESS	-2-	4	M--4-6	B---5--
.885-086	DRIER OPERATOR	CAN / PRESER	-2-	3	M--4--	I------
.885-090	DRIER TENDER	OILS / FATS	-2P	2	L--4--	I------
.885-094	FEED DRIER TENDER	CORN PROD GR	-2P	4	H2-4--	I------
.885-102	FISH BROILER	CAN / PRESER	-2P	3	M-34--	I-34---
.885-106	GRAIN DRIER	MALT LIQUORS	-2P	2	H-34--	I------
.885-114	GRAIN-WAFER-MACHINE OPERATOR	BAKE PROD	-2P	3	V--4--	I------
.885-122	INSTANTIZER OPERATOR	DAIRY PROD	-3P	3	L--4--	I-----7
.885-142	RENDERING EQUIPMENT TENDER	SLAUGHT / ME	-3P	3	M234--	I-34--7
.885-150	COOLING-ROLL OPERATOR	SLAUGHT / ME	-2-	2	L2-4--	I------
.885-154	STARCHMAKER	GARMENT	-2-	3	L--4--	I------
.885-162	SUGAR DRIER	CORN PROD GR	-2P	4	M-34--	I------
.885-166	TOASTER OPERATOR	TOBACCO	-1-	2	L--4--	I------
.885-170	TOBACCO-DRIER OPERATOR	TOBACCO	-2-	2	L--4--	I------
.885-174	WINE PASTEURIZER	VINUOUS LIQU	-2-	3	L--4--	I------
.782-046	GUNNER	CEREAL	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-014	DRYING-ROOM ATTENDANT	TOBACCO	-2-	2	L--4--	I------
.887-022	FREEZING ROOM WORKER	CAN / PRESER	-2-	2	H--4--	I2-----
.885-034	COFFEE ROASTER CONTINUOUS PROC	FOOD PREP N	-2P	2	L--4--	I------
.885-062	CRYSTALLIZER OPERATOR	SUGAR	-3P	4	L--4--	I------
.885-078	DRIER LONG GOODS	MACARONI / R	-2-	2	M--4--	I-34---
.885-098	FIRER, KILN	SUGAR	-2P	4	L--4--	I-3----
.885-110	GRAIN-DRIER OPERATOR	CORN PROD GR	-2P	4	L2-4--	I---5--
.885-126	PASTEURIZER	MALT LIQUORS	-2P	2	L--4--	I-3--6-
.885-130	PASTEURIZER	OILS / FATS	-2-	2	M--4--	I------
.885-138	PULP DRIER FIRER	SUGAR	-2P	4	L--4--	I---5--
.688-010	WEIGH-BELT OPERATOR	TOBACCO	-2P	2	L----6	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014	BLANCHING-MACHINE OPERATOR	CAN / PRESER	-2P	3	M--4-6	I--45--

523. HEATING, RENDIERING, MELTING, DRYING, FREEZING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

				PHYS.D WK COND HRP SVP 123456 1234567
.885-026	CHOCOLATE TEMPERER	BAKE PROD	-2- 3	M--4-- I-------
.885-070	DEHYDRATOR TENDER	CAN / PRESER	-2P 4	V--4-6 I-----7
.885-074	DRIER ATTENDANT	CORN PROD GR	-2P 3	L--4-- I-3-5--
.885-158	STERILIZER OPERATOR	DAIRY PROD	-2P 3	L-34-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018	BRINE MAKER	CAN / PRESER	-2- 4	H--4-6 I------
.885-022	BUTTER LIQUEFIER	OILS / FATS	-2- 2	M--4-- I------
.885-054	COOLING-MACHINE OPERATOR	MALT LIQUORS	-2P 2	L--4-- I------
.885-062	ICEMAKER	ICE	-3P 3	V-34-- I--4-67
.885-134	PRESSURE-TANK OPERATOR	GLUE	-2P 3	L--4-- I------
.782-010	CHOCOLATE TEMPERER	CHOC / COCOA	-3P 5	L--4-- I------
.782-022	DIFFUSER OPERATOR	SUGAR	-3P 4	L--4-- I------
.782-026	DRIER OPERATOR	DAIRY PROD	-3P 5	M--4-6 I-345--
.782-038	BONE-CHAR-KILN OPERATOR	CORN PROD	-3- 4	L2-4-- I-3----
.782-042	KILN OPERATOR, MALT HOUSE	MALT LIQUORS	-3- 4	L--4-- I-3----
.782-054	MELTER OPERATOR	SUGAR	-3P 4	M--4-- I--4---
.782-058	PERCOLATOR OPERATOR	CEREAL	-3P 4	L--4-- I------
.587-010	DRIER SHORT GOODS	MACARONI / R	-3- 3	L----6 I-34---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.886-010	COCOA-BEAN-ROASTER HELPER	CHOC / COCOA	-3P 2	M234-- I-3----
.885-146	ROASTER GRAIN	CEREAL	-2P 3	L--4-6 I-3----
.782-034	DRUM DRIER	CEREAL	-3P 5	M--4-6 I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018	DEXTRINE MIXER	CORN PROD	-2- 4	L--4-- I-3----
.782-062	TOBACCO CURER	AGRIC	-3- 4	M--4-6 B------

524. COATING, ICING, DECORATING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CHERRY CUTTER	CAN / PRESER	-1- 1	L--4-- I------
.887-014	FRUIT STUFFER	CONFECTION	-1- 1	L--4-- I------
.887-018	STICKER	BAKE PROD	-2- 2	M--4-- I------
.886-014	NOVELTY WORKER	DAIRY PROD	-2- 2	L--4-- I------
.885-010	CHEESE SPRAYER	CONFECTION	-2P 2	M--4-- I------
.885-026	ICER MACHINE	BAKE PROD	-2P 3	M--4-- I------
.885-030	SANDING-MACHINE OPERATOR	CONFECTION	-2P 4	M--4-- I------
.884-014	DIPPER HAND	CONFECTION	-2P 5	S--4-6 I------
.884-018	ENROBING-MACHINE CORDER	CONFECTION	-1- 4	L--4-- I------
.884-022	ICER HAND	BAKE PROD	-2P 3	L--4-6 I------
.782-010	DEPOSITING-MACHINE OPERATOR	BAKE PROD	-3P 4	M--4-- I------

524. COATING, ICING, DECORATING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 ENROBING-MACHINE FEEDER	CONFECTION	-2-	2	L--4-6	I------
.885-018 CRACKER SPRAYER	BAKE PROD	-2P	3	L--4--	I------
.885-022 ENROBING-MACHINE OPERATOR	BAKE PROD	-2P	2	M-34--	I------
.885-034 TROLLEY OPERATOR	BAKE PROD	-2P	2	M--4--	I------
.884-010 DECORATOR	BAKE PROD CO	-2P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 COATING OPERATOR	CEREAL	-2P	3	L--4-6	I------

525. SLAUGHTERING, BREAKING, CURING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANIMAL EVISCERATOR	SLAUGHT / ME	-3P	3	M-34--	I--4-6-
.887-014 CASING SPLITTER	SLAUGHT / ME	-1-	1	L--4--	I------
.887-018 CONVEYOR LOADER	SLAUGHT / ME	-1-	2	M--4--	O------
.887-030 GAMBRELER	SLAUGHT / ME	-2P	2	V-34--	I--4---
.887-034 GAMBRELER HELPER	SLAUGHT / ME	-2-	2	V-34--	I--4---
.887-038 HIDE HANDLER	GREASE / TAL	-2P	2	H-34--	-------
.887-042 HIDE SPREADER	SLAUGHT / ME	-2-	2	V--4--	I-----7
.887-046 HIDE TRIMMER	GREASE / TAL	-2P	3	M-34--	I------
.887-050 NECK SKEWER	SLAUGHT / ME	-1-	2	L--4--	I2-45--
.887-054 OFFAL ICER, POULTRY	SLAUGHT / ME	-2-	1	V--4--	I------
.887-058 ORDER RUNNER	SLAUGHT / ME	-2-	2	M--4--	I2-----
.887-062 PAINTER DEPILATORY	SLAUGHT / ME	-2-	1	M-34--	-------
.887-066 POULTRY BONER	SLAUGHT / ME	-2P	2	L--4--	I------
.887-070 POULTRY DRESSER	AGRIC SLAUGH	-2P	1	L--4--	I--4---
.887-074 POULTRY EVISCERATOR	SLAUGHT / ME	-3P	2	L--4--	I--4-6-
.887-078 POULTRY HANGER	SLAUGHT / ME	-2-	1	M--4--	I------
.887-082 POULTRY KILLER	SLAUGHT / ME	-1-	1	L--4--	I------
.887-086 POULTRY-DRESSING WORKER	SLAUGHT / ME	-2-	2	V-34--	I2-4---
.887-090 RETRIMMER	SLAUGHT / ME	-2P	3	M--4--	I------
.887-094 SHACKLER	SLAUGHT / ME	-1-	2	M-34--	I--456-
.887-098 SHACTOR HELPER	SLAUGHT / ME	-1-	3	M--4--	I--4---
.887-102 SHAVER	SLAUGHT / ME	-2P	2	L234--	I--4--7
.887-106 SHROUDER	SLAUGHT / ME	-2-	2	M--4--	I------
.887-110 SINGER	SLAUGHT / ME	-2-	2	L--4--	O------
.887-114 SLUNK-SKIN CURER	SLAUGHT / ME	-2-	2	M--4--	I------
.887-118 SMOKED MEAT PREPARER	SLAUGHT / ME	-2P	2	H--4--	I------
.887-122 STEAMER	SLAUGHT / ME	-1-	2	L--4--	O--4---
.887-126 STUNNER ANIMAL	SLAUGHT / ME	-2P	2	M-34--	I---56-
.887-130 TIER	SLAUGHT / ME	-2P	3	L--4--	I------
.887-134 TRIMMER MEAT	SLAUGHT / ME	-2P	2	L--4--	I2-4-6-
.887-138 WASHER CARCASS	SLAUGHT / ME	-1-	1	M--4--	I--4---
.886-010 CASING CLEANER	SLAUGHT / ME	-2-	2	L--4--	I--4---
.886-014 SKINNING-MACHINE FEEDER	SLAUGHT / ME	-2P	2	M--4--	I------

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HRP SVP 123456 1234567

525. SLAUGHTERING, BREAKING, CURING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 CASING-RUNNING-MACHINE OPERATO SLAUGHT / ME -2P 2 L--4-- I--4---
.885-014 DEHAIRING-MACHINE TENDER SLAUGHT / ME -2P 3 M2-4-- I-34567
.885-018 HIDE PULLER SLAUGHT / ME -2P 2 M--4-- I---56-
.885-022 LINKING-MACHINE OPERATOR SLAUGHT / ME -2P 2 L--4-- I------
.885-026 SKIN-PEELING-MACHINE OPERATOR SLAUGHT / ME -2P 1 L--4-- I------
.884-010 BONER MEAT SLAUGHT / ME -2P 4 M--4-6 I2-4-6-
.884-022 CRAB BUTCHER CAN / PRESER -2P 2 M--4-6 I--4-6-
.884-026 FINAL-DRESSING INSPECTOR SLAUGHT / ME -2P 5 M--4-6 I--4-6-
.884-030 FISH CLEANER CAN / PRESER -2P 2 H--4-6 I--4-67
.884-034 FISH HOUSEKEEPER HOTEL / REST -2P 2 L--4-6 I-----7
.884-038 HEAD TRIMMER SLAUGHT / ME -3P 3 M--4-6 I--4-6-
.884-046 MEAT FLENSER FISH -2P 4 H-34--O--4--7
.884-050 SKINNER SLAUGHT / ME -2P 2 H234-6 I--4-6-
.884-054 STICKER ANIMAL SLAUGHT / ME -1P 3 M-34-6 I--4-67
.884-058 TURKEY-ROLL MAKER SLAUGHT / ME -2P 2 L--4-6 I------
.687-014 SKIN GRADER SLAUGHT / ME -2- 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 COOLER ROOM WORKER SLAUGHT / ME -3P 2 V--4-- I2----
.781-010 SHACTOR SLAUGHT / ME -3P 5 L--4-- I--4--7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026 DRY CURER SLAUGHT / ME -3- 2 H-34-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 BUTCHER FISH CAN / PRESER -2P 2 H--4-6 I--4-67
.884-018 CARCASS SPLITTER SLAUGHT / ME -2P 3 M-34-6 I--4-67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-010 HIDE INSPECTOR SLAUGHT / ME -3- 2 V-34-- I------

526. COOKING AND BAKING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 STARCHMAKER CONFECTION -2P 3 L--4-- I-----7
.885-038 OVEN TENDER BAKE PROD -3P 4 M-34-- I-3----
.885-042 PAN GREASER MACHINE BAKE PROD -2P 2 L--4-- I------
.885-046 PIE MAKER, MACHINE BAKE PROD -3P 4 M-34-- I-----
.885-054 POPPER CONFECTION -3- 2 H--4-- I-----
.885-070 THERMOSCREW OPERATOR CAN / PRESER -2P 4 L--4-- I---5--
.885-074 TRIPE COOKER SLAUGHT / ME -3P 2 M-34-- I--4---
.885-078 WAFER-MACHINE OPERATOR BAKE PROD -2P 3 L--4-- I------
.884-014 POTATO-PANCAKE FRIER FOOD PREP N -2- 2 M--4-- I-3----
.782-010 BATTER-SCALER BAKE PROD -2P 4 L--4-- I------

526. COOKING AND BAKING, N.E.C. (CONT.)

.782-046 MALT ROASTER — MALT LIQUORS -2P 2 M--4-- I-3----
.687-010 POTATO-CHIP SORTER — FOOD PREP N -1- 2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 BAKER HELPER — BAKE PROD -3- 2 H-34-- I-3----
.885-010 COOK — SLAUGHT / ME -3P 3 H--4-- I------
.885-018 COOK, VACUUM KETTLE — CAN. / PRESE -3- 2 L--4-- I------
.884-010 DOUGHNUT MAKER — BAKE PROD -2P 5 M-34-- I-3----
.782-038 MOLASSES AND CARAMEL OPERATOR — CORN PROD -2P 4 H2-4-- I------
.782-050 RETORT OPERATOR — CAN / PRESER -2P 5 H-34-- I--4---
.782-054 STEAM-OVEN OPERATOR — CAN / PRESER -2P 4 M--4-6 I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 COOK FRY DEEP FAT — CAN / PRESER -3- 2 M--4-- I------
.885-058 POTATO-CHIP FRIER — FOOD PREP N -3P 4 L--4-6 I------
.782-034 DOUGHNUT-MACHINE OPERATOR — BAKE PROD -2P 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 COOKER PROCESS CHEESE — DAIRY PROD -3P 3 M--4-6 I------
.885-030 KETTLE TENDER — MALT LIQUORS -3P 2 L--4-- I-34---
.885-050 POPCORN-CANDY MAKER — CONFECTION -3- 3 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 COOKER — CEREAL -2P 3 L--4-6 I------
.885-062 PRETZEL COOKER — BAKE PROD -3P 4 M-34-- I-3----
.885-066 RELISH MAKER — CAN / PRESER -3- 2 M-34-- I---5--
.782-014 CONCHE OPERATOR — CHOC / COCOA -2P 4 L--4-- I------
.782-022 CONVERTER OPERATOR — CORN PROD -3- 4 L--45- I-3----
.782-026 COOK DOG-AND-CAT FOOD — SLAUGHT / ME -2- 4 M--4-- I------
.782-042 OVEN OPERATOR, AUTOMATIC — BAKE PROD CE -2P 4 L--4-- I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-034 OVEN OPERATOR — CEREAL -3P 3 L--4-6 I-3----
.885-082 WORT EXTRACTOR — DAIRY PROD -3P 3 H--4-6 I--45--

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BASKET FILLER — CAN / PRESER -1- 1 L--4-- I------
.887-014 BOX-TRUCK WASHER — SLAUGHT / ME -1- 1 M-34-- I--456-
.887-018 BULK FILLER — CAN / PRESER -2- 1 H-34-- I------
.887-022 CASING SEWER — SLAUGHT / ME -2P 2 L--4-- I------7
.887-026 CASING TIER — SLAUGHT / ME -2P 1 L--4-- I------

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-030	CHAR-DUST CLEANER AND SALVAGER	SUGAR	-2-	2	H--4--	I2----7
.887-034	COOK HELPER	CAN / PRESER	-2-	2	V-34--	I------
.887-038	COOKER CLEANER	CAN / PRESER	-1-	2	M234--	I--4---
.887-042	DIE CLEANER	MACARONI / R	-2P	2	H--4-6	I--4---
.887-046	DISTILLERY WORKER GENERAL	DISTILLED LI	-3-	1	H-34--	I------
.887-050	FILLER-SHREDDER HELPER	TOBACCO	-2-	3	M-34--	I------
.887-058	FISH-EGG PACKER	CAN / PRESER	-2-	2	V--4--	I--4---
.887-062	DISTRIBUTOR-CLEANER	TOBACCO	-1-	1	H-34--	I------
.887-066	GENERAL HELPER	OILS / FATS	-2-	2	M--4--	I--4---
.887-070	GUM OPENER	TOBACCO	-2-	2	H--4--	I------
.887-074	HANDS UNTIER	TOBACCO	-1-	1	L--4--	I------
.887-078	KISS SETTER HAND	CONFECTION	-1P	4	L--4-6	I------
.887-082	KNIFE-SETTER HELPER	SUGAR	-1P	1	M--4--	I------
.887-086	LABORER	SLAUGHT / ME	-3-	2	V-34--	I--4---
.887-090	LINKER	SLAUGHT / ME	-2P	3	M--4--	I------
.887-094	MASH-FILTER-CLOTH CHANGER	MALT LIQUORS	-2P	2	M-34--	I-34---
.887-098	MAT SEWER	OILS / FATS	-2P	2	L--4--	I------
.887-102	MELT-HOUSE DRAG OPERATOR	SUGAR	-2P	3	M--4--	I------
.887-106	OLIVE BRINE TESTER	CAN / PRESER	-3-	2	M--4--	I------
.887-110	PRESS PULLER	CORN PROD	-2P	2	V2-4--	I-----7
.887-114	REFINED-SUGAR-BOX SCRAPER	SUGAR	-1-	2	M--4--	I------
.887-118	SALVAGE INSPECTOR	CAN / PRESER	-2-	3	L--4--	I------
.887-122	SAMPLER	MALT LIQUORS	-1-	2	L--4--	I2-----
.887-126	SHREDDED-FILLER HOPPER FEEDER	TOBACCO	-1-	2	M--4--	I------
.887-130	SKINNER	TOBACCO	-1-	1	L--4--	I------
.887-134	STONE CLEANER	MALT LIQUORS	-2-	2	S--4--	I--4---
.887-138	SUCTION-PLATE-CARRIER CLEANER	TOBACCO	-2-	2	L--4--	I------
.887-142	SUMATRA OPENER	TOBACCO	-1-	2	L--4--	I------
.887-146	TOBACCO-SAMPLE PULLER	TOBACCO	-2-	2	L--4--	I------
.887-150	TROLLEY CLEANER	SLAUGHT / ME	-2-	1	M-34--	I-34--7
.887-154	WASHER	CORN PROD	-2-	2	H2-4--	I--4--7
.887-158	BEET WASHER HELPER	SUGAR	-1-	2	M--4--	B--4---
.886-014	CIGARETTE-MAKING-MACHINE-HOPPE	TOBACCO	-1-	2	M--4--	I------
.886-018	DAIRY HELPER	DAIRY PROD	-1P	2	H2-456	I2-45--
.886-022	FACTORY HELPER	CONFECTION	-1-	2	M-34-6	I------
.886-026	FILLER FEEDER	TOBACCO	-1-	2	L--4--	I------
.886-030	FEEDER-CATCHER, TOBACCO	TOBACCO	-1-	2	H-34--	I-----7
.886-034	GENERAL HELPER	CHOC / COCOA	-1-	2	H--4--	I------
.886-038	HANGER	TOBACCO	-1P	1	L--4--	I-----7
.886-042	LABORER CHEESEMAKING	DAIRY PROD	-2P	2	M-345-	I--4-6-
.886-046	LABORER PIE BAKERY	BAKE PROD	-1-	2	M-34--	I------
.886-050	LABORER SHELLFISH PROCESSING	CAN / PRESER	-1P	2	H-34--	I--45--
.886-054	LONG-GOODS HELPER MACHINE	MACARONI / R	-1-	1	M--4--	I---5--
.886-058	NUT-PROCESS HELPER	NUT PROCESS	-1P	2	H-34--	I-3----
.886-062	PRODUCTION HELPER	FOOD PREP N	-1-	2	M-34--	I------
.886-066	RACK LOADER	TOBACCO	-1-	2	M--4--	I------
.886-070	RAW-CHEESE WORKER	DAIRY PROD	-2P	2	H--4-6	I---567
.886-074	STEAK-TENDERIZER MACHINE	SLAUGHT / ME	-1-	1	L--4--	I------
.886-078	THRESHING-MACHINE-CONVEYOR FEE	TOBACCO	-1-	1	L--4--	I------
.886-082	TURKISH PICKER	TOBACCO	-1-	1	M-----	I-----7

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-010	AUTO ROLLER	TOBACCO	-2P	2	L--4--	I------
.885-018	BINDER LAYER	TOBACCO	-1-	2	L--4--	I------
.885-030	BRINE-TANK TENDER	DAIRY PROD	-3P	2	M--4--	I--45--
.885-034	BULKER CUT TOBACCO	TOBACCO	-1P	2	L--4--	I------
.885-038	BUNCH MAKER MACHINE	TOBACCO	-2P	2	L--4-6	I------
.885-042	BUTT MAKER	TOBACCO	-1P	2	L--4--	I------
.885-046	CAN-CONVEYOR FEEDER	FOOD PREP N	-1-	2	L--4--	I------
.885-050	CHAR-CONVEYOR TENDER	SUGAR	-2P	2	M--4--	I-34-6-
.885-062	CIGAR-HEAD PIERCER	TOBACCO	-1-	2	S--4-6	I------
.885-090	CUTTER	MACARONI / R	-1P	2	L--4--	I---5-7
.885-098	DEFECTIVE-CIGARETTE SLITTER	TOBACCO	-2-	2	M--4--	I------
.885-114	DUMPING-MACHINE OPERATOR	CAN / PRESER	-1P	2	L--4-6	I------
.885-122	FILLER SHREDDER MACHINE	TOBACCO	-2P	3	M-34--	I------
.885-142	ICE CREAM FREEZER ASSISTANT	DAIRY PROD	-2P	2	M--4--	I--4-6-
.885-146	HAM-ROLLING-MACHINE OPERATOR	SLAUGHT./ ME	-1P	2	L--4--	I--4---
.885-150	HORSERADISH MAKER	CAN / PRESER	-2P	2	L-34--	I--45-7
.885-154	ICE CUTTER	ICE	-2P	4	V-34--	I2--567
.885-158	FISHER CLEANER MACHINE TENDER	CAN / PRESER	-2P	4	M--4--	I--4--7
.885-162	KNIFE CHANGER	TOBACCO	-1-	2	L--4--	I------
.885-166	LABORER STARCH FACTORY	GRAIN / FEED	-2P	3	H--4--	I--4---
.885-170	LARD REFINER	OILS / FATS	-2P	3	M2-4--	I-3---7
.885-186	PLUG PRIZER	TOBACCO	-1-	2	L--4--	I------
.885-190	PLUG CUTTING-MACHINE OPERATOR	TOBACCO	-1-	2	L--4--	I------
.885-194	PRESERVATIVE FILLER MACHINE	CAN / PRESER	-2P	1	L--4--	I------
.885-198	RAW-JUICE WEIGHER	SUGAR	-1-	3	L--4--	I------
.885-202	SACK STERILIZER	GRAIN / FEED	-1-	2	M--4--	I------
.885-206	SANDWICH-MACHINE OPERATOR	DAIRY PROD	-2P	2	L--4--	I------
.885-210	SHELLFISH-PROCESSING-MACHINE T	CAN / PRESER	-2-	2	H2-4--	I--456-
.885-214	SPREADER OPERATOR AUTOMATIC	TOBACCO	-1P	2	M--4--	I---5-7
.885-218	SUCKER-MACHINE OPERATOR	CONFECTION	-2P	5	M--4--	I------
.885-222	TABLET-MACHINE OPERATOR	DAIRY PROD	-2P	2	L--4--	I------
.885-246	WASH-HOUSE WORKER	MALT LIQUORS	-2P	2	M-34--	I-34---
.885-250	WASHER AGRICULTURAL PRODUCE	AGRIC CAN	-2-	2	H-34-6	I--4-6-
.885-262	WET AND DRY SUGAR BIN OPERATOR	SUGAR	-2P	4	M--4--	I--4---
.885-270	WRAPPER LAYER	TOBACCO	-2P	2	L--4--	I------
.885-274	WRAPPER-LAYER-AND-EXAMINER SOF	TOBACCO	-2P	2	L--4-6	I------
.884-022	SIEVE MAKER	GRAIN / FEED	-3P	2	M2-4--	I-----7
.782-018	CENTRIFUGE OPERATOR	CHEW GUM	-2P	4	M--4--	I------
.782-074	NOVELTY MAKER	DAIRY PROD	-3P	5	L--4--	I--4-6-
.687-046	LEAF-SIZE PICKER	TOBACCO	-1-	2	L--4--	I------
.687-050	LIGHTOUT EXAMINER	MALT LIQUORS	-2-	2	L--4-6	I------
.687-066	WRAPPER PICKER	TOBACCO	-1-	2	L--4-6	I------
.685-010	RESERVE OPERATOR	TOBACCO	-3P	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-070	CIGARETTE-MAKING MACHINE OPERA	TOBACCO	-3P	3	M--4--	I---5--
.885-082	SUGAR CONTROLLER	SUGAR	H3P	4	M--45-	I------
.885-126	FILTER-MACHINE OPERATOR	TOBACCO	-2P	2	M--4--	I------
.885-158	VOTATOR-MACHINE OPERATOR	OILS / FATS	-2P	3	L--4--	I---5--

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-254	WASHROOM OPERATOR	SUGAR	-2P	2	S--4--	I------	
.885-266	WHEAT CLEANER	CEREAL	-2P	3	L--4--	I-----7	
.885-278	YEAST WASHER	FOOD PREP N	-3P	2	L--4-6	I------	
.782-066	LOZENGE MAKER	CONFECTION	-3P	5	H--4-6	I------	
.688-010	KOSHER INSPECTOR	DAIRY PROD	-3-	2	L-----	B------	
.687-058	TICKET PULLER	TOBACCO	-3-	2	L--4--	I------	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014	BARREL FILLER	CORN PROD	-3P	2	H2-4--	B------
.885-046	FISH-CAKE MAKER	FOOD PREP N	-2-	4	L--4--	I--4--7
.884-014	FROZEN PIE MAKER	ANY IND	-2P	2	M--4--	I2-----
.884-026	STEAK SAUCE CANNER	CAN / PRESER	-3P	3	M--4--	I-3----
.782-050	FREEZER OPERATOR	DAIRY PROD	-3P	5	L--4--	I--4-6-
.782-062	IRISH MOSS OPERATOR	CHEM	-3P	5	M--4--	I------
.780-010	KNIFE SETTER	SUGAR	-2-	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-054	FISH-BIN TENDER	CAN / PRESER	-2-	2	M234--	I--4--7
.886-010	CANNERY WORKER	CAN / PRESER	-2P	2	L-34--	I--456-
.886-086	UTILITY WORKER	CHEW GUM	-2-	2	L--4--	I------
.885-178	NUT ROASTER	NUT PROCESS	-2P	3	V-34--	I------
.885-226	TANK PUMPER,PANELBOARD	DISTILLED LI	-2P	3	M--4--	I------
.687-010	CASING GRADER	SLAUGHT / ME	-2-	2	L--4-6	I--4---
.687-014	DEFLECTOR OPERATOR	MALT LIQUORS	-2-	2	L--4-6	I------
.687-018	EGG CANDLER	ANY IND	-2-	2	L--4-6	I------
.687-034	INSPECTOR CANNED FOOD RECONDIT	CAN / PRESER	-1-	4	L--4--	I-----7
.687-062	TOBACCO GRADER	AGRIC TOBACC	-2-	3	L--4-6	I------
.687-070	WRAPPER SELECTOR	TOBACCO	-3-	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-022	BLENDER-CONVEYOR OPERATOR	DAIRY PROD	-2-	2	H2-4--	I---5--
.885-026	BLOW-UP OPERATOR	SUGAR	-3P	3	M--4--	I--4---
.885-058	CHOCOLATE MOLDER MACHINE	CHOC / COCOA	-3P	4	L--4--	I------
.885-066	CIGARETTE-FILTER-MAKING-MACHIN	TOBACCO	-3P	3	L--4-6	I------
.885-074	COLORER, CITRUS FRUIT	WHOLE TR	-3P	3	L--4-6	I-3---7
.885-078	CONTAINER WASHER MACHINE	ANY IND	-2P	2	M2-4-6	I--4-6-
.885-094	DECAY-CONTROL OPERATOR	WHOLE TR	-2-	2	L--4-6	I------
.885-102	DEOILING-MACHINE AND PASTEURIZ	FLAV EXT / S	-2P	2	L--4--	I--4---
.885-106	DRIER BELT CONVEYOR	FOOD PREP N	-2P	3	M--4-6	I------
.885-134	FLAVOR EXTRACTOR	CEREAL	-2P	3	M--4--	I------
.885-138	FLAVOR-ROOM WORKER	DAIRY PROD	-2-	4	H-34--	I2-4---
.885-146	TANK TENDER	SUGAR	-3P	3	M--4--	I-34---
.885-234	TAPPER	MALT LIQUORS	-3P	2	L--4--	I2-4---
.885-238	TENDEROMETER OPERATOR	CAN / PRESER	-3-	2	L--4--	I------
.885-258	WEIGH-TANK OPERATOR	OILS / FATS	-2P	3	L--4-6	I---5--
.884-010	BIN CLEANER	GRAIN / FEED	-2P	2	L234--	I----67
.884-018	INGREDIENT SCALER	BAKE PROD DA	-3-	2	M-34--	I------

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

.782-030	DAIRY-PROCESSING-EQUIPMENT OPE	DAIRY PROD	-3P	5	H234-6 I--456-
.782-034	DEPOSITING-MACHINE OPERATOR	CONFECTION	-3P	5	M--4-6 I------
.782-058	HYDROGENATION OPERATOR	OILS / FATS	-3P	4	M--4-- I-34-6-
.782-070	NOVELTY MAKER	DAIRY PROD	-3P	5	L--4-- I--4-6-
.782-078	SIRUP MAKER	CHOC / COCOA	-3P	5	M--4-- I------
.782-082	SIRUP MIXER	CORN PROD	-3P	5	M2-4-- I------
.684-010	TEMPERATURE INSPECTOR	SLAUGHT / ME	-3-	3	L--4-- B------
.585-010	MOISTURE-METER OPERATOR	TOBACCO	-3-	3	L--4-6 I------
.488-010	TIP-LENGTH CHECKER	TOBACCO	-3-	3	L--4-6 I------
.387-010	CIGARETTE TESTER	TOBACCO	-3-	5	L--4-- I---5--
.387-042	QUALITY CONTROL INSPECTOR	BAKE PROD	-3-	4	L--4-6 I------
.387-046	QUALITY-CONTROL TECHNICIAN	FOOD PREP N	-3-	4	L--4-- I------
.387-058	SAMPLER	OILS / FATS	-3-	4	S--4-- I------
.168-010	FRUIT COORDINATOR	CAN / PRESER	-3-	5	S---5-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-110	DRIER OPERATOR DRUM	FOOD PREP N	-2P	2	L--4-6 I------
.687-038	SAMPLER INSPECTOR	TOBACCO	-2-	4	L--4-6 I------
.687-042	LEAF SORTER	TOBACCO	-3-	2	L--4-6 I------
.587-014	MARKER COMPANY	TOBACCO	-3-	3	L-34-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-182	PEANUT-BUTTER MAKER	CAN / PRESER	-2P	4	M--4-- I------
.687-022	GRADER DRESSED POULTRY	SLAUGHT / ME	-3-	2	M--4-6 I------
.687-030	GRAIN PICKER	GRAIN / FEED	-3-	2	L--4-- I------
.587-010	FRANKFURTER INSPECTOR	SLAUGHT / ME	-2-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-054	CHEESE CUTTER	DAIRY PROD	-2P	3	M--4-6 I------
.885-086	CORN-PRESS OPERATOR	FOOD PREP N	-3P	4	M--4-- I------
.885-174	NOODLE MAKER	MACARONI / R	-2P	3	H--4-- I-----7
.687-026	GRADER GREEN MEAT	SLAUGHT / ME	-3-	2	M--4-- I--4---
.687-054	SORTER AGRICULTURAL PRODUCE	AGRIC CAN	-3P	2	L--4-6 I--4---
.685-014	X-RAY INSPECTOR	TOBACCO	-3-	2	L--4-6 I------
.387-014	CIGARETTE-AND-FILTER CHIEF INS	TOBACCO	-3-	5	L--4-6 I---5--
.387-034	HOGSHEAD INSPECTOR	TOBACCO	-3-	3	M--4-- I------
.387-038	INSPECTOR GRAIN MILL PRODUCTS	GRAIN / FEED	-3-	3	M2-4-- I---5-7
.387-054	ROUGH-RICE GRADER	GRAIN / FEED	-3-	3	L-3456 I---5-7

PROCESSING OF PAPER AND RELATED MATERIALS (530.-539.)

Occupations in this area are concerned with reducing logs and similar cellulose materials into pulp; combining wood particles with other materials; and cooking, bleaching, washing, and shaping operations necessary to products being manufactured. Paper, cardboard, wallboard, flakeboard, paneling, and other products made from cellulous materials are included in this grouping.

Occupations in this area represent all eight combinations of cognitive demands. About 60 percent of the occupations have only minimum cognitive demands. There are also substantial concentrations of occupations with moderate demands only for perceptual processing and with moderate demands for all three cognitive capabilities. Perceptual processing demands are associated with monitoring and inspection of paper products as they emerge from calendering, coating, and similar equipment. Inspection for discoloration, scratches, smudges, holes, moisture, and cuts is included. Language requirements are generally associated with reading product specifications, interpreting process control instructions, evaluating production information, and labeling product samples for laboratory analysis. Verbal communications involve many special terms. Mathematics demands are generally associated with transformations from one variable to another, determining variation in thickness or weight, and scheduling the production cycle.

About three-fourths of the occupations require psychomotor skills for the control of equipment. There is a distinct trend toward computer control of routine operations; yet setup, jamming, and handling of other contingencies may require rapid and coordinated manual response. Mechanical skills can be a definite asset to the setup, servicing, and minor repair of machinery.

Although there is an enormous and growing demand for paper products, automation and other technical advances are holding down the growth of opportunity for production work in paper processing. Opportunities are increasing more in production planning and maintenance where cognitive demands tend to be at a level beyond the scope of this handbook.

530. GRINDING, BEATING, AND MIXING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

					PHYS.D WK COND
					HRP SVP 123456 1234567
.887-010	MIXER HELPER	WALLBOARD	-3P	3	L--4-- I------
.886-010	LOADER MAGAZINE GRINDER	PAPER / PULP	-2P	2	H--4-- I------
.886-014	RAG CUTTER	PAPER / PULP	-2-	2	L--4-- I------
.886-018	WASTE-PAPER-HAMMERMILL OPERATO	PAPER GOODS	-1-	1	L--4-- I------
.885-010	BEATER-ENGINEER HELPER	PAPER / PULP	-2P	2	M--4-- I------
.885-014	BLOCK-SPLITTER OPERATOR	PAPER / PULP	-2P	3	H--4-- I---5--
.885-018	COATING MIXER TENDER	PAPER / PULP	-2P	2	H--4-- I-----7
.885-022	PULP-SLURRY MIXER	WALLBOARD	-2P	3	M234-- I--4-6-
.885-026	PULPER	PAPER / PULP	-2P	2	M-34-- I------
.782-014	WOOD GRINDER OPERATOR	PAPER / PULP	-3P	5	H-34-6 I--456-

530. GRINDING, BEATING, AND MIXING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-030 TRANSFER OPERATOR — PAPER / PULP -2P 3 M--4-- I---5--
.782-010 BEATER ENGINEER — PAPER / PULP -3P 5 M--456 I------
.687-010 RAG INSPECTOR — PAPER / PULP -2- 2 L--4-6 I------

532. COOKING AND DRYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 DIGESTER-OPERATOR HELPER — PAPER / PULP -2P 2 L--4-- I-----7
.886-014 PAPER-CONE-DRYING-MACHINE OPER — PAPER GOODS -1- 1 L--4-- I------
.885-014 DRIER OPERATOR — PAPER / PULP -2P 2 L--4-- I-3----
.885-018 EVAPORATOR OPERATOR — PAPER / PULP -2P 2 L--4-6 I------
.885-026 MOISTURE-CONDITIONER OPERATOR — PAPER / PULP -2P 4 M-345- I------
.885-030 PULP PRESS TENDER — PAPER / PULP -1- 2 V--4-- I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BACK TENDER INSULATION BOARD — WALLBOARD -2P 2 L-34-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 MATRIX DRIER TENDER — PAPER / PULP -3P 3 M--4-- I------

533. COOLING, BLEACHING, SCREENING, WASHING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SCREEN-TENDER HELPER — PAPER / PULP -2- 3 M234-- I--4---
.886-010 MOISTENER — BUTTON -1P 2 M--4-- I--4---
.885-010 BLEACH-BOILER FILLER — PAPER / PULP -2P 2 L--4-- I--4---
.885-014 BLOW-PIT TENDER — PAPER / PULP -2P 3 M2-4-- I--4-67
.885-018 BROWN-STOCK WASHER — PAPER / PULP -2P 2 L--4-- I-----7
.885-022 SAVE-ALL OPERATOR — PAPER / PULP -2P 2 L--4-- I---5--
.885-030 SCREEN TENDER, CHIPS — PAPER / PULP -2P 3 M--4-- B---5--
.885-034 THRASHER FEEDER — PAPER / PULP -2- 2 L--4-- I------
.885-038 WASHER ENGINEER — PAPER / PULP -2P 3 M--4-- I------
.782-014 DECKER OPERATOR — PAPER / PULP -3P 4 L--4-- I------
.782-018 POWER-BARKER OPERATOR — PAPER / PULP -3P 4 L--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 BLEACHER, PULP — PAPER / PULP -3P 5 M2-4-6 I-----7
.782-022 PULP REFINER OPERATOR — PAPER / PULP -3P 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 SCREEN TENDER — PAPER / PULP -2P 4 M--4-6 I--4-6-

PHYS.D WK COND
HRP SVP 123456 1234567

534. CALENDERING, SIZING, COATING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CONE TREATER	PAPER GOODS	-2-	1	M--4--	I------
.887-014	CREPING-MACHINE OPERATOR HELPE	PAPER GOODS	-2P	2	H--4--	I------
.887-018	PAPER-CONE-TIP PASTER	PAPER GOODS	-1-	1	L--4--	I------
.887-022	SUPERCALENDER-OPERATOR HELPER	PAPER / PULP	-2P	2	H-34--	I----6-
.886-010	COATING-MACHINE-OPERATOR HELPE	PAPER / PULP	-2P	2	M--4--	I------
.886-014	COMBINER-OPERATOR HELPER	PAPER / PULP	-3P	2	M--4--	I---56-
.886-018	WAXING-MACHINE-OPERATOR HELPER	PAPER GOODS	-3P	2	H--4--	I---5--
.885-010	CREPING-MACHINE OPERATOR	PAPER GOODS	-3P	3	M--4--	I------
.885-030	PAPER COATER	PAPER / PULP	-2-	3	L--4--	I------
.885-034	PARAFFIN-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I------
.885-038	RECOATING-MACHINE OPERATOR	WALLPAPER	-2P	2	L--4--	I------
.885-042	SCREEN TENDER II	PAPER / PULP	-3P	3	L23456	I--456-
.885-050	WET-END HELPER	WALLBOARD	-3P	2	L-34--	I---56-
.782-022	COATING-MACHINE OPERATOR	PAPER / PULP	-3P	4	M--4-6	I------
.782-026	COATING-MACHINE OPERATOR HARDB	PAPER / PULP	-2P	5	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	FRICTION-PAINT-MACHINE TENDER	MATCH	-2P	2	M--4--	I------
.885-046	VARNISHING-MACHINE OPERATOR	PRINT / PUB	-2-	2	L--4--	I------
.782-018	CARBON-COATER-MACHINE OPERATOR	PEN / PENCIL	-3P	3	H2-4-6	I----6-
.782-030	COMBINER OPERATOR	PAPER / PULP	-3P	4	M--4-6	I------
.782-050	WAXING-MACHINE OPERATOR	PAPER GOODS	-3P	5	H--4--	I---5--
.780-010	CARBON-PAPER-COATING-MACHINE-S	PEN / PENCIL	-3P	5	H-34--	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014	DAMPENER OPERATOR	PAPER / PULP	-3P	2	H-34-6	I------
.782-010	AIR-DRIER-MACHINE TENDER	PAPER / PULP	-3P	5	M--4--	I------
.782-042	STRAP-MACHINE OPERATOR	PAPER GOODS	-3P	4	L234-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026	OVEN TENDER	AMMUNITION	-3P	2	H-34--	I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022	OILING-MACHINE OPERATOR	PAPER / PULP	-3P	2	H--4-6	I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-046	SUPERCALENDER OPERATOR	PAPER / PULP	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-034	PAPER-COATING-MACHINE OPERATOR	PHOTO APPARA	-3P	5	L--4--	I-34---

535. FORMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 EXTRUDER OPERATOR	PARTICLE BOA	-2P	2	L--4--	I--5--
.885-014 PLATE WORKER.	PAPER / PULP	-2P	2	M--4--	I-3---7
.885-018 SCREEN HANDLER	PAPER / PULP	-3P	2	H2-4-6	I---5--
.885-022 WHEELABRATOR OPERATOR	WALLBOARD	-2P	4	M-34--	I------

539. PROCESSING, PAPER AND RELATED MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 YARD LABORER	PAPER / PULP	-2-	1	M234--	B------
.886-010 CUTTER, WET MACHINE	PAPER / PULP	-1-	2	M--4--	I----6-
.886-014 PLATING-MACHINE OPERATOR	PAPER / PULP	-1-	2	L--4--	I------
.885-014 COATER OPERATOR INSULATION BOA	WALLBOARD	-2P	2	L--4--	I------
.885-018 COOKER TENDER	PAPER / PULP	-2-	3	M--4--	I------
.885-022 FILM-MAKING-MACHINE TENDER	PHOTO APPARA	-2P	3	M--4--	I------
.885-030 REELER	WALLPAPER	-2P	2	H--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BALER	PAPER / PULP	-3P	3	H--4--	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 PUMP-PRESS OPERATOR	PAPER / PULP	-2P	4	L2-4-6	I---56-
.885-034 WET-MACHINE TENDER	PAPER / PULP	H2P	3	L2-45-	I--4-6-
.885-038 WINDER HELPER	PAPER / PULP	-3P	3	H2-456	I--456-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-034 SLURRY MIXER	AMMUNITION	-3P	4	M2-4-6	I--4-6-
.782-038 TREATING-PLANT OPERATOR	PAPER / PULP	-3P	4	M--4-6	I-3-5--
.485-010 ACCURAY TESTER	PAPER / PULP	-3-	2	S--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 LABORER RAGS	PAPER / PULP	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 CALENDER OPERATOR INSULATION B	WALLBOARD	-3P	4	L2-4--	I------
.782-022 HIGH-DENSITY FINISHING OPERATO	PAPER / PULP	-3P	3	M--4-6	I-----7
.782-026 HUMIDIFIER OPERATOR	PAPER / PULP	-3P	4	M--4-6	I---5--
.687-010 COATING-LINE CHECKER	PAPER / PULP	-3-	3	M--4-6	I------
.687-014 CONTROL INSPECTOR	PAPER / PULP	-3-	4	M--4-6	I------
.687-018 INSPECTOR FIBROUS WALLBOARD	WALLBOARD	-3-	4	L2-4--	I---5--

PROCESSING OF PETROLEUM AND RELATED PRODUCTS (540.-549.)

Occupations in this area are concerned with the postextraction phases of preparing the products of oil and gas wells, oil shale, and coal mines for commercial use.

About 60 percent of the occupations in this area have minimum cognitive demands. There are also substantial concentrations of occupations demanding moderate mathematics capabilities only and moderate perceptual processing capabilities only. Mathematics demands include recording instrument readings, calculation of unit quantities from sample data, interpretation of test results, and the application of varied measurements. Perceptual processing demands are associated with such activities as determining the moisture content of coal from its color, feeling oil to determine its viscosity, and judging the dryness of graphite as a drag mechanism moves it along the length of a drier pan. Language requirements generally center on verbal instructions and the reporting of malfunctions or problems. Special terms related to the production processes are requently used.

Psychomotor demands are involved with about half of the occupations either due to manual control of equipment or to tending of computer-controlled equipment. Mechanical skills are an asset to a substantial number of occupations. Practical knowledge of combustion, toxicity, and specific gravities can be important both for process control and safety.

Mechanization and automation are holding down growth of opportunity in this area. There are still entry opportunities and some opportunities to progress to supervisory positions, although most of the supervisory opportunities above the first or second level tend to be held by trained engineers.

540. MIXING AND BLENDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D	WK	COND
				HRP SVP	123456	1234567
.886-010	BRIQUETTE-MACHINE-OPERATOR HEL	FUEL BRIQUET	-2- 2	H2-4--	I---5--	
.886-014	COMPOUNDER HELPER	PETROL REFIN	-2- 2	M2-4--	B----67	
.885-010	ASPHALT-MIXING-MACHINE TENDER	CONST	-2P 4	M--4--	I-3-5-7	
.885-018	SCREENER-AND-BLENDER OPERATOR	ELEC EQUIP	-2P 2	H--4--	O---5-7	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010	SEAL MIXER	ELEC EQUIP	-2- 2	L-34-6	I------	
.885-014	MIXER OPERATOR CARBON PASTE	ELEC EQUIP O	-2P 4	M--4--	I----67	

541. FILTERING, STRAINING, AND SEPARATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	SLATE PICKER	MINING / QUA	-1- 1	M--4-6	B-----7	

541. FILTERING, STRAINING, AND SEPARATING (CONT.)

.782-026 LEAD-RECOVERER, CONTINUOUS-NAP PETROL REFIN -2P 4 M--4-- I------
.782-030 PARAFFIN-PLANT OPERATOR PETROL REFIN -3P 5 L--4-6 I------
.782-034 PARAFFIN-PLANT-SWEATER OPERATO PETROL REFIN -2P 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 CENTRIFUGE-SEPARATOR TENDER NONFER METAL -3P 4 L--4-- I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 GAS-WORKER HELPER COMP / LIQUE -2- 2 M--4-- I------
.885-014 HEAVY-MEDIA OPERATOR MINING / QUA -3P 3 M--4-6 I---5-7
.782-010 COAL WASHER MINING / QUA -3P 4 L--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014 CRUDE-OIL TREATER PETROL PRODU -3P 5 L--4-- O------
.782-038 PUMP OPERATOR, BY-PRODUCTS COKE PROD -3P 5 L23456 I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 SHAKER TENDER COKE PROD -3P 3 L23456 I---567

542. DISTILLING, SUBLIMING, AND CARBONIZING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WHARF WORKER COKE PROD -2P 2 H-34-6 O---567
.886-010 FURNACE UNLOADER ELEC EQUIP -2- 2 H--45- I-3-567
.885-010 CALCINE OPERATOR ELEC EQUIP -2P 3 M--4-- I-3---7
.885-014 GAS-FURNACE OPERATOR BONE CARBON -2P 4 L--4-- --3---
.885-018 OVEN-HEATER HELPER COKE PROD -2P 3 M234-- Q-3-567
.885-022 PLANT OPERATOR CHANNEL PROCESS BONE CARBON -3- 2 L--4-6 B-----7
.885-026 SUBLIMER COAL TAR PRO -2P 3 L--4-- I------
.885-030 UNIT OPERATOR BONE CARBON -2P 3 L2-4-- I-----7
.885-034 WASH-OIL-PUMP OPERATOR HELPER COKE PROD -2- 3 M234-- I--4-6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 FURNACE LOADER ELEC EQUIP -3P 5 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 CHARCOAL BURNER BEEHIVE KILN WOOD DISTIL -2- 4 H-34-- O------
.587-010 COKE INSPECTOR COKE PROD -3- 4 L23456 I-3--67

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543. DRYING, HEATING, AND MELTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COKE DRAWER HAND	COKE PROD	-1-	2	M--4--	I------
.887-014 OVEN DAUBER	COKE PROD	-2P	2	M-34--	O-3--67
.885-010 ASPHALT-PLANT DRIER OPERATOR	CONST	-2P	3	L--4--	O-3-5-7
.885-014 BACKING-IN-MACHINE OPERATOR	LINOLEUM	-2P	2	V--4-6	I------
.885-018 BULLET-LUBRICANT MIXER	AMMUNITION	-2-	2	M-34--	I-3----
.885-026 GREASE MAKER	IRON / STEEL	-2-	2	M--4--	I------
.885-030 THAW SHED OPERATOR	COKE PROD	-2-	4	M-----	O------
.885-034 WAX-POT TENDER	FOUND	-2-	2	M--4--	I------
.884-010 CARBON-FURNACE-OPERATOR HELPER	ORE DRESS SM	-3P	3	M234--	I-3---7
.782-010 CARBON-FURNACE OPERATOR	ORE DRESS SM	-2P	5	M234--	I-3---7
.782-018 DRIER OPERATOR	LIGHT HEAT	-2P	4	M--4--	I-----7
.782-030 STILL OPERATOR	ROOF MATERIA	-2P	5	L--4--	I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 GRAPHITE PAN-DRIER TENDER	GRAPHITE	-3P	4	L2-4--	I-3-567
.884-014 FURNACE COOLER	ELEC EQUIP	-2-	5	M--4-6	I-3----
.782-022 DRIER OPERATOR	MINING / QUA	-2P	4	M--4-6	B---5-7
.782-026 OIL BOILER	ARTIF LEATHE	-2P	5	H-34--	B----67

544. GRINDING AND CRUSHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BREAKER TENDER	COKE PROD	-2P	3	L-34-6	I---5-7
.782-010 COAL-PULVERIZER OPERATOR	ANY IND	-3P	4	L--4--	I---5--
.782-014 COKE-CRUSHER OPERATOR	COKE PROD	-3P	4	M--4-6	O---567
.782-022 MILL-AND-COAL-TRANSPORT OPERAT	LIGHT HEAT	-2P	3	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 GRINDER CARBON PLANT	ORE DRESS SM	-3P	4	M-34--	I---567
.782-018 CRUSHER-AND-BLENDER OPERATOR	COKE PROD	-3P	4	M234-6	I---567

546. REACTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 NAPHTHALENE-OPERATOR HELPER	COKE PROD	-1-	1	H--4--	I--4--7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 GAS TREATER	ANY IND	-3P	4	L-34--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 THERMALENE-GAS-PLANT OPERATOR	COMP / LIQUE	-2P	2	L--4--	I------

549. PROCESSING, PETROLEUM AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CHASER TAR	COKE PROD	-1P	2	M2-4--	O-3--67
.887-014	COMPRESSED-GAS-PLANT WORKER	COMP / LIQUE	-2P	2	M--4--	I------
.887-018	HOT-HOUSE WORKER	BONE CARBON	-2P	2	M-34--	I-----7
.887-022	LABORER PETROLEUM REFINERY	PETROL REFIN	-2P	3	H234--	O----67
.887-026	MUD-MIXER HELPER	COKE PROD	-1-	2	H-345-	B---567
.887-030	SAMPLE WORKER	ELEC EQUIP	-2-	2	L--4--	I------
.887-038	SAMPLER	PETROL REFIN	-2-	3	L2-4--	O-----7
.886-010	FELT HANGER	ROOF MATERIA	-2P	2	H--4--	I------
.886-014	RETORT UNLOADER	WOOD DISTIL	-1-	2	H-34--	B-----7
.885-010	ACETYLENE-CYLINDER-PACKING MIX	COMP / LIQUE	-3P	2	M--4--	I------
.885-018	COATER SLATE	ROOF MATERIA	-2P	3	H-34-6	I-3-5-7
.885-030	MOLDER WAX	PETROL REFIN	-2-	4	M--4--	I------
.885-034	REELER	ROOF MATERIA	-1-	3	H--4--	I---5--
.885-038	TREATER HELPER	PETROL REFIN	-2P	4	M2-4--	B----67
.885-046	WAX MOLDER	FOUND JEWELR	-2P	2	M--4-6	I------
.884-010	PUMPER HELPER	PETROL REFIN	-3P	3	M234--	O----67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014	ACETYLENE-PLANT OPERATOR	COMP / LIQUE	-3P	3	H-34--	I-----
.885-042	UTILITY OPERATOR	COMP / LIQUE	-3P	3	L--4--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-034	SAMPLER	MINING / QUA	-3-	2	M234--	B------
.885-022	DEHYDRATOR OPERATOR PEAT	AGRIC	-3P	2	H-34--	O-----7
.885-026	GAS WORKER	COMP / LIQUE	-2-	3	L--4--	I------
.782-014	COOLING-TOWER OPERATOR	PETROL REFIN	-2P	5	M234--	O-----7
.782-022	STILL-PUMP OPERATOR	PETROL REFIN	-3P	5	M234--	O----67
.782-030	WASH-OIL-PUMP OPERATOR	COKE PROD	-3P	5	L234-6	I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010	BRIQUETTE-MACHINE OPERATOR	FUEL BRIQUET	-3P	4	M2-4--	I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010	CARGO INSPECTOR	PETROL PRODU	-3-	5	L2-4--	B----67
.384-010	TESTER COMPRESSED GASES	COMP / LIQUE	-3-	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-014	INSPECTOR	ROOF MATERIA	-3-	5	H-34-6	I------

PROCESSING OF CHEMICALS AND RELATED PRODUCTS (550.-559.)

Occupations in this area are concerned with the manufacture of basic chemicals such as acids, alkalies, salts, and organic compounds. Also included is the production of chemical substances to be used in further manufacture, such as synthetic fibers, synthetic rubber, or pigments. Manufacture of finished materials such as fertilizers, paint, explosives, plastic sheets and tubing, and similar products are included. There are 677 occupational titles from this area listed in this handbook.

All eight combinations of cognitive capabilities are represented. More than 40 percent of the occupations make minimum cognitive demands. About one-fourth of the occupations make moderate demands for both language and mathematics. Language demands are heavily oriented toward the use of chemical and process terminology in interpreting product specifications and maintaining operational logs. There is frequently a need to understand generic terms for chemicals as well as their formula notations. Mathematics demands involve the weighing and measurement of chemical ingredients and products; interpretation of gauges and charts; and calculation of values such as proportions, specific gravity, viscosity, and volumes. Perceptual processing demands involve such activities as adding a dye until a batch reaches the shade of a standard sample, using litmus paper and a chart to determine pH level, and observing and feeling rolls of cellophane for defects as they pass on a conveyor belt.

A substantial level of psychomotor capability is involved with a majority of the occupations in this area, frequently in association with computer control of routine operation and sophisticated instrumentation to give indications of incipient troubles. Quick and accurate response is often required after long periods of routine and uneventful processing. Mechanical capabilities can be an asset for minor maintenance of equipment. Knowledge of basic chemistry, electricity, and first aid can also help to guide appropriate action on the job.

Automation is tending to constrain the growth of job opportunities in this growing industry. There are entry opportunities and career progression opportunities for individuals who develop advanced job skills. Professional engineers or chemists almost always hold the upper-level supervisory and technical positions.

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550. MIXING AND BLENDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CHEMICAL-COMPOUNDER HELPER	COAL TAR PRO	-1-	2	M-34--	I------
.887-018 COLOR STRAINER	TEXTILE	-2-	2	H-34--	I--4--7
.887-022 DYE-WEIGHER HELPER	ANY IND	-2P	2	M-34--	I--4---
.886-010 BANBURY-MIXER-OPERATOR HELPER	ANY IND	-2-	2	M-34--	I-----7
.886-022 GLAZING OPERATOR BLACK POWDER	AMMUNITION E	-2-	2	H--4--	I----6-

550. MIXING AND BLENDING (CONT.)

.886-026	ROOF-CEMENT-AND-PAINT MAKER HE	ROOF MATERIA	-2-	1	H-34--	I------	
.886-030	STRICKLER FEEDER	LINOLEUM	-2-	2	M-34--	I-----7	
.885-026	BLENDER	COAL TAR PRO	-2P	2	M--4--	I------	
.885-030	BLENDER	EXPLOSIVES	-2P	3	L--4--	I----6-	
.885-062	GLUE BLENDER	GLUE	-2-	2	H-34--	I------	
.885-090	MIXER	FERTILIZER	-2P	2	L--4--	I---5-7	
.885-150	MIXER	COMP / LIQUE	-2-	2	L--4--	I----6-	
.885-234	SOLUTION MIXER	ELECTRONICS	-2P	2	M--4--	I------	
.885-238	TANK WORKER	SYNTHETIC FI	-2P	3	M--4--	I-----7	
.885-258	TUMBLER OPERATOR	FIREWORKS	-2P	2	M--4--	I------	
.782-030	COLOR MAKER	COAL TAR PRO	-3P	5	H--4--	I------	
.782-034	FROTHING-MACHINE OPERATOR	RUBBER GOODS	-3P	5	L--4--	I------	
.782-042	MIXER	PAINT / VARN	-3P	4	H--4--	I-----7	
.782-046	MIXER OPERATOR	EXPLOSIVES	-3P	5	H--4-6	I----67	
.782-062	PULP-MACHINE OPERATOR	PAINT / VARN	-3P	4	L--4--	I---5--	
.782-086	TANNING-SOLUTION MAKER	LEATHER MFG	-3P	5	M--4--	I---5--	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010	BLENDER HELPER	FABRIC PLAST	-3-	2	H-34--	I---5-7	
.887-034	SAMPLE COLLECTOR	FERTILIZER	-2-	2	L--4--	I-----7	
.885-070	COATING OPERATOR	CHEM	-3P	4	L--4--	I------	
.885-074	POWERHOUSE HELPER	BONE CARBON	-2P	3	M--4--	-------	
.885-078	PRIMER-POWDER BLENDER DRY	AMMUNITION	-3P	4	L--4--	I----6-	
.885-086	ROLL-TENDER HELPER	GLUE	-2P	3	V-34--	I---567	
.885-186	WET MIXER	FERTILIZER	-2P	2	L--4--	I---5-7	
.782-018	BLEACH-LIQUOR MAKER	PAPER / PULP	-3P	5	L2-4-6	I------	
.782-054	OPERATOR CATALYST CONCENTRATIO	PLASTICS MAT	-3P	5	H2-4-6	B--567	
.782-074	ROOF-CEMENT-AND-PAINT MAKER	ROOF MATERIA	-3P	5	H-34--	I------	
.782-078	SIZE MAKER	PAPER / PULP	-3P	5	H234--	I--4---	
.782-082	SOLUTIONS OPERATOR	PLASTICS MAT	-3P	5	L--4--	I---56-	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-014	BATCH TRUCKER	RUBBER RECLA	-2-	2	M-34--	I-----7	
.885-014	APRON-MILL TENDER	RUBBER RECLA	-2P	3	M--4--	I----6-	
.885-018	BATCH MIXER	SOAP	-2P	3	M--4--	I----67	
.885-034	BLENDER	FABRIC PLAST	-3P	3	H234--	I---5--	
.885-062	CHEMICAL PREPARER	ELECTRONICS	-2-	4	M--4-6	I-----7	
.885-066	CHURN TENDER	SYNTHETIC FI	-3P	3	M--4--	I-----7	
.885-074	COLOR MIXER	FABRIC PLAST	-3P	4	H2-4-6	I-----7	
.885-078	COLOR-PASTE MIXER	TEXTILE	-2P	3	M-34-6	I--4---	
.885-086	COMPOUND FINISHER	MATCH	-3P	3	M--4--	I----6-	
.885-098	BATH MIXER	SYNTHETIC FI	-2-	3	M-34-6	I-----7	
.885-102	CRUTCHER	SOAP	-3P	2	L--45-	I------	
.885-110	DOPP-MACHINE OPERATOR	DRUG PREP	-3P	3	L--4--	I------	
.885-122	GROUND MIXER	WALLPAPER	-3P	2	H--4--	I------	
.885-142	MIXER	ARTIF LEATHE	-3P	4	H-34--	I-----7	
.885-154	MIXER	INSECTICIDES	-2-	2	H--4--	I-----7	
.885-158	MIXER FOAM RUBBER	RUBBER GOODS	-3P	2	M--4--	I------	

550. MIXING AND BLENDING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-166	MIXING-MACHINE TENDER	MATCH	-2P	4	H--4--	I------
.885-168	OINTMENT-MILL TENDER	DRUG PREP	-2P	2	M-34-6	I------
.885-202	PASTE MIXER LIQUID	ELEC EQUIP	-3P	2	H234--	I------
.885-246	TETRYL-DISSOLVER OPERATOR	EXPLOSIVES	-3P	3	L--4--	I-----6-
.782-066	PULVERIZING-AND-SIFTING OPERAT	AMMUNITION E	-3P	4	H-34--	I-3--6-
.782-070	RESIN-KETTLE OPERATOR	GLUE	-3P	5	H2-4-6	I-----7
.782-088	THIOKOL OPERATOR	PLASTICS	-3P	5	M--4-6	I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-114	DUSTLESS OPERATOR	BONE CARBON	-2P	3	L2-4--	I------
.885-134	RUBBER-MILL TENDER	RUBBER GOODS	-3P	3	M-34--	I----6-
.884-014	COLOR MATCHER	BUTTON	-2-	4	L----6	I-----7
.782-010	BANBURY-MIXER OPERATOR	ANY IND	-3P	5	L2-4--	I-3-5--
.782-014	BIAZZI-NITRATOR OPERATOR	EXPLOSIVES	-3P	5	L--4-6	I------
.782-058	PRIMER-POWDER BLENDER WET	AMMUNITION	-3-	4	L-----	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-026	MAKE-UP OPERATOR HELPER	CHEM	-2-	2	H234--	I------
.887-030	PILOT-OPERATOR HELPER	PLASTICS MAT	-2-	2	M--4-6	I------
.886-018	CRUTCHER HELPER	SOAP	-3-	1	H-34--	I-----7
.885-010	NITRATING-ACID MIXER	EXPLOSIVES	-2P	4	L--4--	I------
.885-022	BINDER TECHNICIAN	GLASS MFG	-3P	3	M--4--	I--4---
.885-038	BRINE MAKER	CHEM	-3P	3	M--4--	B-----7
.885-042	BRINE MAKER, POTASH	CHEM	-3P	3	M--4--	B-----7
.885-046	CD-MIXER	RUBBER RECLA	-3P	3	H--4--	I-----7
.885-050	CELLOPHANE-BATH MIXER	PLASTICS MAT	-3P	4	M--4--	I---567
.885-054	CEMENT MIXER	RUBBER GOODS	-2-	4	M-34--	B----67
.885-058	CHEMICAL MIXER	KNIT GOODS T	-3P	3	H-34--	I--4---
.885-090	COMPOUNDER	DRUG PREP	-3P	3	H--4--	I-----7
.885-094	COMPOUNDER	RUBBER GOODS	-3P	4	M-34-6	I------
.885-106	DISULFURIZER TENDER	PLASTICS MAT	-3P	4	L--4--	I---5-7
.885-126	LIME-SLUDGE MIXER	PAPER / PULP	-3P	3	L--4-6	I------
.885-130	COMPOUNDER	MATCH	-2-	3	M--4--	I----6-
.885-138	MIX-MILL TENDER	RUBBER GOODS	-3P	3	M-34--	I----6-
.885-168	MIXING-MACHINE OPERATOR	ANY IND	-3P	3	H-34--	I------
.885-170	MIXING-MACHINE OPERATOR	CLEAN / POLI	-2P	3	H-34--	I------
.885-174	MIXING-MACHINE OPERATOR	FABRIC PLAST	-3P	4	M--4--	I---5--
.885-186	PAINT MIXER MACHINE	ANY IND	-3P	4	M--4-6	I------
.885-190	PAINT THINNER	MIRROR	-2-	2	H--4--	I------
.885-194	PAINT-AND-SOLUTION MIXER	BAL / SCALES	-3P	3	M--4--	I-----7
.885-198	PASTE MIXER	ELEC EQUIP	-3P	3	M-34-6	I---5--
.885-206	PIGMENT BLENDER	RUBBER GOODS	-3P	2	H-34--	I-----7
.885-210	POWDER BLENDER AND POURER	AMMUNITION	-3P	3	M--4-6	I----67
.885-222	RESIN COMPOUNDER BATCHLOT	PLASTICS MAT	-3P	3	H--4--	I---5-7
.885-230	SOLUTION MIXER	PLASTICS MAT	-3P	4	M-34--	I---5-7
.885-242	TETRYL-BLENDER OPERATOR	EXPLOSIVES	-2P	3	L--4--	I----6-
.885-250	THINNER	PAINT / VARN	-3P	2	M--4--	I----67
.885-254	TRACER-POWDER BLENDER	AMMUNITION	-3P	3	L--4--	I-3--6-

550. MIXING AND BLENDING (CONT.)

.885-262 WAX BLENDER — CANDLE -3P 3 H-34-6 I------
.885-266 WEIGHER AND MIXER — INK -3P 4 H-34-6 I----6-
.884-010 SILVER SOLUTION MIXER — PHONOGRAPH -3- 4 L--4-6 I------
.884-026 DYE WEIGHER — ANY IND -3- 3 H-34-6 I--4---
.884-030 FLUX MIXER — WELDING -2- 4 M-34-- I---5--
.884-038 PRIMING-POWDER-PREMIX BLENDER — AMMUNITION -2P 2 L--4-6 I-3--67
.884-042 SAMPLE-COLOR MAKER — PAINT / VARN -2- 3 L--4-6 I------
.883-010 FORMULA WEIGHER — RUBBER GOODS -3P 3 S--4-6 I------
.584-010 METAL-BONDING-ADHESIVE CRIB AT — AIRCRAFT MFG -3- 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-082 COMPOSITION MIXER — LINOLEUM -2P 4 H2-4-6 I-3-567
.782-076 SILVERING APPLICATOR — MIRROR -3P 5 M--4-- I------
.782-090 WEIGHER-BULKER — CHEM -3P 5 H2-4-6 I33--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-162 MIXER OPERATOR — CHEM -3P 3 H--4-- I------
.884-034 PAINT MIXER HAND — ANY IND -2- 3 L--4-6 I-----7
.782-026 COLOR MAKER — ARTIF LEATHE -3P 5 M--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-178 MOTTLER OPERATOR — LINOLEUM -3- 3 H-34-6 I---567
.884-022 COLOR MIXER — HAT / CAP -3- 4 L--4-6 I------

551. FILTERING, STRAINING, AND SEPARATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BONE PICKER — GLUE -1- 1 L------ I------
.887-018 LABORER COOK HOUSE — GLUE -2P 2 H234-- I-34---
.887-030 FILTER PRESSER — SYNTHETIC FI -1- 2 M--4-6 I-----7
.886-010 EXTRACTOR LOADER AND UNLOADER — GLUE -2- 2 L------ I------
.886-014 HOPPER FEEDER — GREASE / TAL -1- 2 M234-- I-34---
.886-018 PITCH WORKER — OPTICAL GOOD -1- 2 L--4-- I------
.886-022 SCRAP GRINDER — RUBBER GOODS -1- 2 M-34-- I------
.885-010 BAND TUMBLER — RUBBER GOODS -1- 2 M--4-- I------
.885-018 BOILING-TUB OPERATOR — EXPLOSIVES -2P 2 L--4-- I----6-
.885-022 BONE-COOKING OPERATOR — GLUE -2- 3 L--4-- I------
.885-030 CENTRIFUGE OPERATOR — PAINT / VARN -3P 2 H2---- I----6-
.885-034 CENTRIFUGE OPERATOR — SOAP -2P 2 L--4-- I-3-5--
.885-038 CENTRIFUGE-SEPARATOR OPERATOR — GLUE -2P 2 L------ I------
.885-046 CLARIFICATION OPERATOR — COAL TAR PRO -2P 2 L--4-- I------
.885-050 COMPOUND-SIFTER OPERATOR — RUBBER GOODS -2P 2 H-3--- I-----7
.885-054 COTTON-WRINGER OPERATOR — EXPLOSIVES -2P 2 L--4-- I----67
.885-058 DEHYDRATING-PRESS OPERATOR — AMMUNITION E -2P 3 M--4-- I----6-
.885-066 EXTRACTOR OPERATOR — GLUE GREASE -2P 3 L--4-- I------

551. FILTERING, STRAINING, AND SEPARATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D WK COND 123456 1234567
.885-074	EXTRACTOR-AND-WRINGER OPERATOR	COAL TAR PRO	-2P	2	L--4--	I------
.885-078	FAT-PURIFICATION WORKER	OILS / FATS	-2P	2	L--4--	I-----7
.885-082	FILTER/HELPER	BONE CARBON	-2P	2	M--4-6	I--4---
.885-094	LEACHER	PAPER / PULP	-2P	3	L--4--	I------
.885-106	MERCURY WASHER	CHEM	-2P	2	H-34--	I-----7
.885-110	NAPHTHALENE OPERATOR	COKE PROD	-2P	3	M-3456	I----67
.885-126	POACHER OPERATOR	AMMUNITION E	-2P	3	M--4--	I----6-
.885-134	PRECIPITATE WASHER	CHEM	-2P	3	M--4-6	I------
.885-138	PRESS OPERATOR	CHEM	-2P	2	M--4--	I------
.885-142	PRESS OPERATOR	GREASE / TAL	-2P	2	L4----	I--4--7
.885-154	DUNCON OPERATOR	SOAP	-1P	2	L--4--	I------
.885-158	REFINER MILL TENDER	RUBBER RECLA	-3P	3	M-34--	I----6-
.885-170	SECOND OPERATOR FILTERMAN	CHEM	-3P	4	L2-4--	I-----7
.885-174	SEED-CLEANER OPERATOR	AGRIC OILS	-2P	2	L--4--	I---5-7
.885-178	SEPARATOR	INK	-2P	2	L--4--	I-----7
.885-182	SODA DIALYZER	SYNTHETIC FI	-2P	2	L--4-6	I------
.885-190	TETRYL-SCREEN OPERATOR	EXPLOSIVES	-2P	2	M--4--	I----67
.885-194	VACUUM-PAN OPERATOR	EXPLOSIVES	-2P	2	M--4--	I----6-
.885-198	VACUUM-PAN OPERATOR	EXPLOSIVES	-2P	3	L--4--	I----6-
.885-210	WAX BLEACHER	CANDLE	-2P	3	H--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-070	EXTRACTOR OPERATOR SOLVENT PRO	CHEM	-3P	3	L--4--	B------
.885-166	SCREEN OPERATOR	CHEM	-3P	3	L--4--	I-----7
.782-022	HYDRAULIC-STRAINER OPERATOR	PLASTICS MAT	-3P	5	M-34--	I------
.782-034	WATER-GAS OPERATOR	COMP / LIQUE	-3P	4	L--45-	I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014	BRINE MAKER	SALT PRODUCT	-2-	3	M--4--	I----6-
.887-022	PACK-ROOM OPERATOR	SYNTHETIC FI	-2P	2	L--4-6	I------
.885-042	CHILLER OPERATOR	CHEM	-2P	3	L--4--	I------
.885-086	FILTER-TANK OPERATOR	COAL TAR PRO	-2P	2	M--4--	I------
.885-102	MERCURY PURIFIER	CHEM	-2P	4	M2-4--	I---5--
.885-122	PIGMENT PRESSER	CHEM	-2P	3	H--4--	I------
.885-162	ROTARY-CUTTER OPERATOR	RUBBER GOODS	-2P	2	H--4--	I---5-7
.885-202	SALT WASHER	SALT PRODUCT	-2P	3	M2-4--	B--456-
.885-206	WATER-TREATMENT-PLANT OPERATOR	ORE DRESS SM	-3P	4	L2-4--	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026	SCREEN CLEANER	RUBBER RECLA	-1P	2	L-34--	I------
.885-186	STRAINER TENDER	RUBBER RECLA	-2P	4	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	BEATER OPERATOR	EXPLOSIVES	-3P	3	L--4--	I----6-
.885-026	CATALYST-RECOVERY OPERATOR	CHEM OILS	-3P	2	H--4--	I------
.885-062	EXTRACTOR OPERATOR	DRUG PREP	-2P	3	M--4--	I------

551. FILTERING, STRAINING, AND SEPARATING (CONT.)

.885-098 LYE TREATER — CHEM SOAP -3P 2 M--4-- I-3---7
.885-118 PAN HELPER — CHEM -3P 4 H-34-- I---5-7
.885-130 POND TENDER — SALT PRODUCT -2P 4 M--4-- O------
.885-146 PURIFICATION OPERATOR — COAL TAR PRO -3P 2 H-34-- B-----7
.885-150 PURIFICATION-OPERATOR HELPER — CHEM -3P 4 L2-4-- B-----7
.782-014 BENZENE-WASHER OPERATOR — CHEM COKE PR -3P 5 L--4-6 I-----7
.782-018 FILTRATION OPERATOR POLYETHYLE — CHEM -3P 5 L2-4-- I-----7
.782-026 MONOMER-PURIFICATION OPERATOR — CHEM -3P 5 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-090 GREASE-REFINER OPERATOR — GREASE / TAL -2P 4 L2-4-- I-34---
.885-114 NITROGLYCERIN-SEPARATOR OPERAT — EXPLOSIVES -3P 4 L--4-6 I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 ABSORPTION OPERATOR — CHEM COAL TA -3- 4 L--4-- I------7

552. DISTILLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DECKHAND — TURP / ROSIN -2- 2 H--4-- I-----7
.887-014 DISTILLATION-OPERATOR HELPER — COAL TAR PRO -2- 2 M--4-- B------
.886-010 DECKHAND — TURP / ROSIN -1- 1 M--4-- I-----7
.886-014 EXTRACTOR-OPERATOR HELPER — WOOD DISTIL -2- 2 M--4-- I------
.885-010 ACETONE-RECOVERY WORKER — SYNTHETIC FI -2P 3 L--4-- I-----7
.885-018 BATH-MIX OPERATOR — PLASTICS MAT -2P 2 H-34-- I---5-7
.885-038 RETORT-CONDENSER ATTENDANT — WOOD DISTIL -2P 3 L--4-- I------
.885-042 SECOND OPERATOR — CHEM -2P 4 H234-- O-----7
.885-046 STILL OPERATOR — LEATHER MFG -2P 4 H--4-- I------
.885-050 STILL TENDER — ANY IND -2P 2 M--4-6 I------
.885-054 STILL-OPERATOR HELPER — CHEM -2P 2 H--4-- I-----7
.782-022 DISTILLER — WOOD DISTIL -2P 5 L--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-026 EXTRACTOR OPERATOR — WOOD DISTIL -2P 5 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 CRYSTALLIZER OPERATOR — EXPLOSIVES -3P 3 L--4-- I----6-
.885-026 DEODORIZER — OILS / FATS -2P 2 M--4-- I----6-
.782-018 DISTILLATION OPERATOR — COAL TAR PRO -2P 5 L--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 BATCH-STILL OPERATOR — CHEM -3P 3 M2-4-6 I-----7
.885-030 DISTILLER — TURP / ROSIN -3P 3 L--4-- I-----7
.885-034 GLYCERIN OPERATOR — SOAP -3P 3 L--4-- I---5--

PHYS.D WK COND
HRP SVP 123456 1234567

553. HEATING, BAKING, SEASONING, MELTING, AND HEAT TREATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CD-PAN DUMPER	RUBBER RECLA	-1-	2	V-34--	I--4-67
.887-014	CD-PAN LOADER	RUBBER RECLA	-1-	2	M-34--	I-----7
.887-018	DRIER HELPER	CHEM	-3-	2	L2-4--	B------
.887-022	FURNACE HELPER	BONE, CARBON	-3P	2	L---4-	I-3---7
.887-026	FURNACE PACKER CARBON FURNACE	ELEC EQUIP	-2P	3	H234--	I---67
.886-010	BELT-PRESS-OPERATOR HELPER	RUBBER GOODS	-2P	2	H-345-	I-3----
.886-014	BONE-CHAR OPERATOR	BONE CARBON	-2P	2	M2-4--	I-3---7
.886-018	CALCINE FURNACE LOADER	PAINT / VARN	-2P	2	H--4--	I------
.886-022	CD-MIXER HELPER	RUBBER RECLA	-2P	2	H-34--	I--4-67
.886-026	OVEN FEEDER	RUBBER GOODS	-2-	2	L--4--	I------
.886-030	DRIER-OPERATOR HELPER	RUBBER RECLA	-2P	2	M--4--	I--4---
.886-034	FRAME FEEDER	GLUE	-2-	2	M-34--	I---5--
.886-038	OVEN LOADER	RUBBER GOODS	-2P	2	H--4--	I-3----
.886-042	ROTARY-DRIER FEEDER	CHEM	-2P	2	M-34--	I------
.886-046	VAPORIZER HELPER	PLASTICS MAT	-1-	1	M--4--	I------
.886-050	VARNISH-MAKER HELPER	INK PAINT	-2-	2	H-34--	I----6-
.885-010	BAGGER	FABRIC PLAST	-3P	3	H--4--	I-----7
.885-014	BELT-PRESS OPERATOR	RUBBER GOODS	-2P	3	H-345-	I-3----
.885-026	BOILING-OUT-OVEN OPERATOR	PLASTICS MAT	-2P	2	M--4--	I------
.885-030	BONE-DRIER OPERATOR	GLUE GRAIN	-2P	2	V--4-6	I-----7
.885-034	BULK-SEALER OPERATOR	PAPER GOODS	-2P	2	L--4--	I------
.885-046	CALCINE-FURNACE TENDER	PAINT / VARN	-2P	4	H--4--	I------
.885-054	CENTRIFUGAL-DRIER OPERATOR	CHEM	-3P	4	M--4--	I---5--
.885-058	CONTINUOUS-LINTER-DRIER OPERAT	EXPLOSIVES	-2P	3	L--4--	I----67
.885-066	COOKER TENDER	GREASE / TAL	-2P	2	M--4--	I-34--7
.885-070	CRIMP SETTER	TEXTILE	-2P	2	M--4--	I------
.885-082	DE-AMMONIATOR	RUBBER GOODS	-2P	2	L-----	I------
.885-102	DRIER OPERATOR	CHEM	-3P	5	M--4--	I------
.885-118	DRIER OPERATOR	RUBBER RECLA	-2P	3	L--4--	I--4-67
.885-122	DRIER OPERATOR	PLASTICS MAT	-2P	2	M--45-	I---5--
.885-126	DRIER TENDER	RUBBER GOODS	-2-	2	L--4--	I------
.885-130	DRIER-OPERATOR HELPER	GLUE	-2-	2	M-34--	I------
.885-134	DRUM-DRIER OPERATOR	BONE CARBON	-2P	3	L--4--	I-3---7
.885-138	DRYING-ROOM ATTENDANT	SOAP	-2P	2	M--4--	I------
.885-142	FIRE-HOSE CURER	RUBBER GOODS	-3P	2	H--4--	I--4-6-
.885-146	BONE-CHAR KILN TENDER	CORN PROD	-2P	2	M2-4--	I-3----
.885-150	FIRER, HELPER	PAPER / PULP	-2P	2	M234--	B------
.885-154	FIRER, RETORT	CHEM WOOD DI	-2P	4	L--4--	I-3----
.885-162	KETTLE WORKER	SOAP	-2P	3	M--4--	I-3--67
.885-166	LIME-SLUDGE KILN OPERATOR	PAPER / PULP	-2P	2	M--4--	I------
.885-170	MILLED-RUBBER ATTENDANT	RUBBER GOODS	-2P	2	M--4--	I----6-
.885-174	OVEN TENDER	FURN	-2P	4	M--4--	I------
.885-178	OVEN TENDER II	ELEC EQUIP	-2P	3	M--4--	I-3--6-
.885-182	OVEN TENDER, PLASTIC DOLLS	TOYS / GAMES	-2P	3	H--4--	I-3-56-
.885-190	PLASTICS-SEASONER OPERATOR	PLASTICS MAT	-2P	2	M--4--	I-3----
.885-194	POT-HEATER TENDER	RUBBER TIRE	-2P	3	V--4--	I-34---
.885-202	RABBLE-FURNACE TENDER	BONE CARBON	-2P	3	L--4--	I-----7
.885-206	ROTARY-FURNACE TENDER	CHEM	-2P	3	H--4--	I-3---7

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-210	RUBBER-TUBING SPLICER	RUBBER GOODS	-2P	2	L--4--	I------
.885-214	SOAP-DRIER OPERATOR	SOAP	-2P	2	L--4--	I---5-7
.885-218	SPLICING-MACHINE OPERATOR	RUBBER TIRE	-2P	2	L--4--	I-----7
.885-222	STEAM-PRESS TENDER I	RUBBER GOODS	-2P	4	H-345-	I-3----
.885-226	STEAM-PRESS TENDER II	RUBBER GOODS	-2P	3	M-345-	I-3----
.885-230	SULFATE DRIER-MACHINE OPERATOR	COKE PROD	-2P	4	L--4--	I----67
.885-238	TIRE CUREMAN	RUBBER TIRE	-2P	3	M-34--	I-34---
.885-242	TIRE MOLDER	AUTO SER	-2P	2	M--4--	I------
.885-246	TIRE-BAGGING-MACHINE TENDER	RUBBER TIRE	-2P	2	H-34--	I--4---
.885-250	TRAY-DRIER OPERATOR	BONE CARBON	-2P	3	M--4--	I-3---7
.885-254	TUMBLER OPERATOR	RUBBER GOODS	-2P	2	M--4--	I------
.885-258	VACUUM-DRIER TENDER	CHEM	-2P	4	M--4--	I-3---7
.885-262	WATCHCASE-VULCANIZER TENDER	RUBBER TIRE	-2P	3	M-34--	I-3--6-
.884-010	HEAT WELDER PLASTICS	FABRIC PLAST	-2P	3	M--4-6	I-3----
.782-022	BLACK-ASH-BURNER OPERATOR	PAPER / PULP	-3P	4	M--4--	I------
.782-050	EVAPORATOR OPERATOR	WOOD DISTIL	-2P	5	L--4--	I------
.585-010	DRY-HOUSE ATTENDANT	FIREWORKS	-2P	3	M-34--	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-022	BLACK-MILL OPERATOR	BONE CARBON	H3P	4	L234-6	I-----7
.885-050	CALCINER HELPER	CHEM	-3P	4	L2-4-6	I-3---7
.885-086	DEBUBBLIZER	PLASTICS MAT	-2P	3	M-34--	I--4-6-
.885-090	DRIER	RUBBER GOODS	-2P	2	L--4--	I------
.885-094	DRIER OPERATOR	AMMUNITION E	-3P	4	L--4--	I-3--6-
.885-098	DRIER OPERATOR	CHEM	-2P	3	H--4--	I-3----
.885-158	HEATER TENDER	RUBBER GOODS	H3P	2	M--4--	I----6-
.885-186	PIGMENT FURNACE TENDER	CHEM	-3P	3	H--4--	I------
.884-014	NITRO-COTTON OPERATOR	EXPLOSIVES	-2P	3	M--4-6,	B----6-
.782-018	BELT-PRESS OPERATOR	RUBBER GOODS	-3P	5	H-34--	I-3----
.782-038	CATALYST OPERATOR	OILS / FATS	-3P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	BLACK-ASH CONVEYOR TENDER	PAPER / PULP	-3P	3	M--4--	I------
.885-042	CADMIUM-LIQUOR MAKER	PAINT / VARN	-3-	4	H--4--	I----67
.885-078	CURING-OVEN TENDER	ORDNANCE	-2P	4	L--4-6	I----6-
.782-026	BOILER	SOAP	-3P	5	L--4--	I2---67
.782-042	CUREMAN FOAM RUBBER	RUBBER GOODS	-3P	4	L--4--	I------
.782-054	EVAPORATOR OPERATOR	ANY IND	-3P	5	L--4--	I------
.782-082	PURIFICATION OPERATOR	PLASTICS MAT	-3P	4	L--4--	I------
.782-086	V-BELT CURER	RUBBER GOODS	-3P	4	M--4--	I-3--6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-038	BURNER TENDER	FERTILIZER	-2P	2	M--4-6	I------
.885-074	CRIMPING-MACHINE OPERATOR	TEXTILE	-3P	2	L--4--	I--45--
.885-106	DRIER OPERATOR	CHEM	-3P	3	L--4--	I-----7
.885-110	DRIER OPERATOR	CHEM DRUG PR	-2P	3	M--4--	I-3---7
.885-114	DRIER OPERATOR	GLUE	-3P	4	L-34-6	I------
.885-234	THERMAL MOLDER	RUBBER GOODS	-2P	3	M-34--	I--4-6-

PHYS.D WK.COND
HRP SVP 123456 1234567

553. HEATING, BAKING, SEASONING, MELTING, AND HEAT TREATING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-062	COOK	GLUE	-3P	3	L234--	I-34---
.885-198	PRIMER EXPEDITER AND DRIER	AMMUNITION	-2P	3	L-34--	B-3--6-
.782-010	AGER OPERATOR	PLASTICS MAT	-3P	5	L--4--	I---5--
.782-014	AUTOCLAVE OPERATOR	CHEM	-3P	5	H--4--	I-----7
.782-034	CARBON-ARC-FURNACE OPERATOR	MINERALS / E	-3P	5	H--4--	I-3----
.782-046	DRIER OPERATOR	CHEM	-3P	4	L--4--	I------
.782-066	FLASH-DRIER OPERATOR	BONE CARBON	-3P	4	M--4-6	I-----7
.782-070	FURNACE OPERATOR	ELEC EQUIP	-3P	4	L--4--	I------
.782-074	KETTLE OPERATOR ADHESIVE	GLUE	-3P	5	H234-6	I-3--6-
.782-078	POT FIRER	CHEM	-3P	5	L-34--	I---5-7

554. COATING, CALENDERING, LAMINATING, AND FINISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	SPREADER	PLASTICS MAT	-1P	2	M--4--	I-----7
.886-010	CALENDER FEEDER	RUBBER GOODS	-1P	1	H--4--	I---56-
.886-014	CALENDER-LETOFF HELPER	RUBBER GOODS	-1P	2	M--4-6	I-----7
.886-018	CALENDER-OPERATOR HELPER	RUBBER GOODS	-2P	2	H-34--	I---56-
.886-022	CALENDER-TAKE-OFF HELPER	RUBBER GOODS	-1-	2	L--4--	I------
.886-030	COATING-MACHINE FEEDER	LEATHER PROD	-1-	2	L--4-6	I-----7
.886-034	FINISHER	PLASTICS MAT	-2-	2	M--4--	I------
.886-038	FORM STRIPPER	RUBBER GOODS	-1-	2	L--4--	I------
.885-010	BELTING FINISHER	NARROW FABRI	-2P	2	M--4--	I------
.885-026	CELLOPHANE-FOLDING-MACHINE OPE	FABRIC PROD	-1P	2	L--4-6	I------
.885-038	COMBINING-MACHINE OPERATOR	PLASTICS MAT	-2P	4	L--4--	I----67
.885-058	SIZING-MACHINE OPERATOR	ABRASIVE / P	-1P	3	L--4--	I------
.885-062	SLAB-OFF TENDER	RUBBER GOODS	-2P	2	L--4--	I----6-
.885-070	SQUEEGEE TENDER	RUBBER TIRE	-2P	2	M--4--	I------
.885-078	STRIPPING-MACHINE OPERATOR	RUBBER GOODS	-2P	2	L--4--	I------
.885-082	VARNISH-MACHINE OPERATOR	RUBBER GOODS	-1P	3	L--4--	I------
.885-086	WIND-UP RACK TENDER	RUBBER TIRE	-2P	2	H-34--	I------
.884-018	FOAM DISPENSER	RUBBER GOODS	-2P	3	M-34--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	CALENDER WIND-UP TENDER	RUBBER GOODS	-3P	2	M--4-6	I------
.885-046	LAMINATING-MACHINE OPERATOR	RUBBER GOODS	H2P	2	M-----	I----6-
.885-054	MILL-ROLL REWINDER	PLASTICS MAT	-3P	4	M-34--	I------
.884-010	CAUSTIC OPERATOR	PLASTICS MAT	-2P	3	M--4--	I--4-6-
.884-014	DYER	BUTTON	-3P	2	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	SPREADER HELPER	RUBBER GOODS	-1P	2	M--4--	I------
.885-042	FINISHER CHERRY BOMBS	FIREWORKS	-3P	2	M--4-6	I------
.782-026	HOSE MAKER MACHINE	RUBBER GOODS	-3P	4	M--4--	I--4---
.782-034	ROLL OPERATOR	PLASTICS MAT	-3P	5	M--4-6	I---56-
.782-038	ROOFING-MACHINE OPERATOR	ROOF MATERIA	-2P	5	L--4--	I-3-5--

554. COATING, CALENDERING, LAMINATING, AND FINISHING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	BUCKLE-STRAP-DRUM OPERATOR	RUBBER GOODS	-3P	2	L--4-- I------
.885-022	CATHODE MAKER	CHEM	-3P	4	H-34-- I-----7
.885-066	SPREADER MACHINE TENDER	RUBBER GOODS	-3P	3	M--4-- I------
.885-074	STRAP-FOLDING-MACHINE OPERATOR	RUBBER GOODS	-3P	2	L--4-6 I------
.782-030	PLASTICS-SPREADING-MACHINE OPE	PLASTICS MAT	-3P	4	L--4-6 I-----7
.484-010	SAMPLER	FABRIC PLAST	-3P	4	M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-034	COATING-AND-BAKING OPERATOR	ANY IND	-2P	3	M--4-- I-3-5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.886-026	CALENDER-WIND-UP HELPER	RUBBER GOODS	-2P	2	M-34-- I------
.885-050	LINER REROLL TENDER	RUBBER GOODS	-3P	2	H--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030	COATER OPERATOR	PLASTICS MAT	-3P	4	L-34-- I---5-7
.782-010	CALENDER OPERATOR	RUBBER GOODS	-3P	4	M--4-- I---56-
.782-018	CALENDER-LET-OFF OPERATOR	RUBBER GOODS	-3P	4	M--45- I------
.782-042	SPONGE-RANGE OPERATOR	CARPET / RUG	-3P	5	L--4-- I------
.587-010	ROLL INSPECTOR	PLASTICS MAT	-2-	3	M--4-6 I------

555. GRINDING AND CRUSHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	ANIMAL SKINNER	GLUE GREASE	-2P	2	H-34-- I--4--7
.887-014	SCALE OPERATOR	GLUE	-1-	1	L----- I------
.886-010	BEAD PICKER	RUBBER RECLA	-1-	1	L--4-- I------
.886-014	BLOCK-BREAKER OPERATOR	EXPLOSIVES	-1-	2	M-34-- I----67
.886-018	CAKE-PRESS-OPERATOR HELPER	PLASTICS MAT	-2P	2	H--4-- I-3--6-
.886-022	SOAP CHIPPER	SOAP	-1P	1	M--4-- I---5-7
.885-010	BONE CRUSHER	GLUE	-1P	2	L--4-- I---5-7
.885-014	SHREADER HELPER	GLUE	-1-	3	L-34-- I--45-7
.885-018	CRUSHER TENDER	LINOLEUM	-2P	2	L--4-- I------
.885-026	DAUB GRINDER	ARTIF LEATHE	-2P	4	H234-- I----67
.885-030	FINE GRINDER	RUBBER RECLA	-2P	2	H-34-- I----67
.885-034	GRINDER	RUBBER RECLA	-1P	2	H-34-- I--4-67
.885-038	GRINDER	FABRIC PLAST	-1P	3	M-34-- I---5--
.885-042	GRINDER OPERATOR	CHEM	-2P	3	M--4-- I-----7
.885-050	MILL ATTENDANT	COAL TAR PRO	-2P	2	M--4-- I------
.885-054	MIX-CRUSHER OPERATOR	ELEC EQUIP	-2P	2	M-34-- I---5-7
.885-058	PELLET-PRESS OPERATOR	CHEM	-3P	4	M--4-6 I---5--
.885-062	PULVERIZER	COAL-TAR PRO	-2P	2	H--4-- I------
.885-070	SCRATCHER TENDER	LINOLEUM	-2P	3	V234-6 I-3--6-

555. GRINDING AND CRUSHING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D. 123456	WK COND 1234567
.885-074	SECOND OPERATOR MILLMAN	CHEM	-2P	3	L2-4--	I---5-7
.885-078	SHREDDER OPERATOR	SYNTHETIC FI	-2P	2	L--4--	I------
.885-082	SOAP GRINDER	SOAP	-2P	2	H--4--	I---56-
.885-086	WHEEL-MILL OPERATOR	EXPLOSIVES	-2P	2	M--4--	I----67
.782-010	DRY-WHITE-LEAD GRINDER	PAINT / VARN	-2P	5	H--4--	I---5--
.782-030	WHITE-LEAD MAKER	PAINT / VARN	-2P	5	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022	CUTTER OPERATOR	PLASTICS MAT	-2P	3	M-34--	I---56-
.885-066	RUBBER GRINDER	RUBBER GOODS	-2-	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-022	ROLLER-MILL OPERATOR	INK PAINT	-3P	4	H-34-6	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-026	STONE-MILL OPERATOR	PAINT / VARN	-3P	5	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-046	MILL ATTENDANT	SALT PRODUCT	-3P	3	M--4-6	I---5-7
.782-018	PALLMAN-MILL OPERATOR	RUBBER GOODS	-3P	4	M--4-6	I---5--

556. CASTING AND MOLDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BOWLING-BALL-MOLD ASSEMBLER	SPORTS EQUIP	-2P	1	M-34-6	I-----7
.887-014	BREAKOUT MAN	RUBBER GOODS	-1-	2	M-34--	I--4---
.887-018	CASTER	RUBBER GOODS	-2-	2	L--4--	I------
.887-026	FOAM-RUBBER TRIMMER	RUBBER GOODS	-1-	2	L--4--	I------
.887-038	MOLDER TOILET PRODUCTS	DRUG PREP	-2-	3	L--4-6	I------
.887-042	POURER	RUBBER GOODS	-1-	2	M-34--	I------
.887-046	WATCHCASE-VULCANIZER-TENDER HE	RUBBER TIRE	-1-	2	M-34--	I-34-6-
.886-010	ARCH-CUSHION-PRESS LOADER-AND-	RUBBER GOODS	-1P	2	L--4--	I-----7
.886-014	CELL STRIPPER	PLASTICS MAT	-2P	2	H--4--	I------
.886-018	MOLD STRIPPER	RUBBER GOODS	-1-	2	M-34--	I--4---
.886-026	STRIPPER	RUBBER GOODS	-2P	2	L--4--	I------
.886-030	SUPPOSITORY-MOLDING-MACHINE OP	DRUG PREP	-1-	1	L--4--	I---5--
.885-014	BLOCK-PRESS OPERATOR	EXPLOSIVES	-2P	2	L--4--	I----6-
.885-018	BOWLING-BALL MOLDER	SPORTS EQUIP	-3P	2	H--4--	I------
.885-026	CASTING-MACHINE-SERVICE OPERAT	PLASTICS MAT	-2P	3	M-34--	I--456-
.885-034	COMPRESSION-MOLDING-MACHINE TE	FABRIC PLAST	-2P	2	L--4--	I------
.885-042	COSMETICS PRESSER	DRUG PREP	-3P	2	M--4-6	I-----
.885-054	INJECTION-MOLDING-MACHINE TEND	FABRIC PLAST	-3P	4	L--4--	I------
.885-058	MATTING PRESS TENDER	RUBBER GOODS	-2P	2	M--4--	I--4-6-
.885-062	MOLD-PRESS OPERATOR	BUTTON	-1P	2	M--4--	I------

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-066	MOLDER FOAM RUBBER	RUBBER GOODS	-2P	2	M--4--	I------
.885-078	PARADICHLOROBENZENE TENDER	CHEM	-2P	2	L-----	I------
.885-082	PEARL-GLUE OPERATOR	GLUE	-2P	3	L--4--	I------
.885-090	RECORD-PRESS TENDER	PHONOGRAPH	-2P	3	L--4-6	I---5--
.885-094	SLUG-PRESS OPERATOR	ELEC EQUIP	-2P	2	H--4--	I------
.885-098	STAMPER	INSECTICIDES	-2P	2	L--4--	I------
.885-102	VACUUM PLASTIC-FORMING-MACHINE	FABRIC PLAST	-2P	3	M--4--	I------
.884-018	RUBBER MOLDER	MODEL / PATT	-2P	4	L--4--	I------
.782-022	DYNAMITE-PACKING-MACHINE OPERA	EXPLOSIVES	-3P	5	M--4-6	I----67
.782-026	GELATIN-DYNAMITE-PACKING OPERA	EXPLOSIVES	-3P	5	M--4-6	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022	CELL PREPARER	PLASTICS MAT	-2-	2	H--4--	I------
.887-030	MOLD CLEANER	RUBBER GOODS	-2P	2	H--4--	I------
.887-034	MOLD PARTER	PLASTICS MAT	-2P	2	M--4--	I------
.886-034	WEATHERSTRIP OFF-BEARER	RUBBER GOODS	-3P	2	M--4--	I------
.885-010	AIR-BAG CURER	RUBBER TIRE	-2P	2	M--4--	I------
.885-070	MOLDER PIPE COVERING	FABRIC PLAST	-3P	3	M--4--	I------
.884-014	MOLD-FILLING OPERATOR	PLASTICS MAT	-3P	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022	CAKE-PRESS OPERATOR	PLASTICS MAT	-3P	4	H--4-6	I-3--6-
.885-074	MOLDER, MACHINE	DRUG PREP	-3P	3	M--4--	I------
.885-086	PILLING-MACHINE OPERATOR	FABRIC PLAST	-2P	4	H-34--	I-----7
.782-030	INJECTION-MOLDING-MACHINE OPER	FABRIC PLAST	-2P	5	H--4--	I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-022	PADDED-PRODUCTS CURER	RUBBER GOODS	-3P	2	M-34--	I------
.781-038	PLODDER OPERATOR	SOAP	-2P	4	L--4--	I-----7
.782-042	PREFORM-MACHINE OPERATOR	BUTTON	-2P	4	L--4--	I------
.684-010	CELL INSPECTOR	PLASTICS MAT	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-042	CASTING-ROOM OPERATOR	PLASTICS MAT	-2P	4	M-34--	I------
.885-046	DIPPER	RUBBER GOODS	-2P	2	H--4--	I-----7
.885-050	DIPPING-MACHINE OPERATOR	RUBBER GOODS	-3P	3	M--4--	I-3---7
.884-010	ENCAPSULATOR	AIRCRAFT MFG	-2P	3	L--4--	I------
.884-022	SCAGLIOLA MECHANIC	STAT. / ART	-2P	5	H--4--	I------
.782-014	COMPRESSION-MOLDING-MACHINE OP	FABRIC PLAST	-2P	5	H-34-6	I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-038	CORRUGATOR OPERATOR	PLASTICS MAT	-3P	4	L--4-6	I-----7
.782-010	ARCH-CUSHION-PRESS OPERATOR	RUBBER GOODS	H3P	4	M--45-	I------
.782-018	COMPRESSOR	DRUG PREP	-3P	5	M--4-6	I------
.782-034	PLATE MOLDER	PEN / PENCIL	-3P	4	L--4-6	I---56-

PHYS.D WK COND
HRP SVP 123456 1234567

557. EXTRUDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 CORE EXTRUDER — ELEC EQUIP -1P 2 L--4-- I------
.885-014 STAPLE CUTTER — SYNTHETIC FI -2P 3 L--4-6 I------
.885-018 EXTRUDER TENDER — RUBBER GOODS -2P 3 L--4-- I------
.885-030 SPINNER — SYNTHETIC FI -2P 3 L--4-6 I-----7
.885-038 SPINNING-MACHINE OPERATOR — SYNTHETIC FI -2P 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-026 SECOND FLOOR OPERATOR — SYNTHETIC FI -2P 3 L--4-6 I-----7
.884-010 EXTRUDER-OPERATOR HELPER — FABRIC PLAST -2P 2 H--4-- I---5-7
.782-018 GRAINING-PRESS OPERATOR — EXPLOSIVES -3P 4 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 PROCESSOR — SYNTHETIC FI -2P 3 L--4-6 ------7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-042 TUBE-BUILDING-MACHINE OPERATOR — RUBBER GOODS -3P 3 L-34-- I-----7
.884-014 JET HANDLER — SYNTHETIC FI -2- 4 M--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-034 SPINNING-BATH PATROLLER — SYNTHETIC FI -2P 4 L--4-6 I-----7
.884-022 PUMP TESTER — SYNTHETIC FI -3P 4 L--4-- I-----7
.782-010 EXTRUDER OPERATOR — FABRIC PLAST -3P 4 H--4-- I---5-7
.782-014 EXTRUSION-PRESS ADJUSTER — ELEC EQUIP -3P 5 L--4-- I------
.782-022 WINK-CUTTER OPERATOR — RUBBER GOODS -3P 4 L--4-- I------
.684-010 BATH-SOLUTION MAKER — SYNTHETIC FI -3- 4 M-34-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 JET WIPER — SYNTHETIC FI -2P 2 L--4-6 I-----7

558. REACTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BLEACH PACKER — CHEM -1P 1 M--4-- I-----7
.886-014 DEVULCANIZER CHARGER — RUBBER RECLA -1- 2 H--4-- I-----7
.886-018 FURNACE HELPER — CHEM -2P 2 H-34-- I-----7
.886-022 RING-ROLLING-MACHINE-OPERATOR — RUBBER GOODS -1P 2 H--4-- I------
.885-038 POLYSULFIDE-REACTOR OPERATOR — CHEM -2P 3 M--4-- I-----7
.885-070 RECOVERY OPERATOR — EXPLOSIVES -2- 3 L--4-- I----6-
.885-130 RECOVERY OPERATOR — PLASTICS MAT -2P 3 L---5- I-----7
.885-134 RED-LEAD BURNER — PAINT / VARN -2P 2 M--4-- I-----7

558. REACTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030	BLEACHER OPERATOR	CHEM SOAP	-2-	2	H--4--	I------
.885-034	CATALYTIC-CONVERTER-OPERATOR H	CHEM	-2P	5	L--4--	B------
.885-066	CONTACT-ACID-PLANT OPERATOR	CHEM FERTILI	-3-	4	L--4--	I------
.885-070	CUPROUS-CHLORIDE HELPER	CHEM	-2-	2	M2-4--	I-----7
.885-074	DEVULCANIZER TENDER	RUBBER RECLA	-3P	3	M--4--	I----6-
.885-078	ELETRIC CELL TENDER	CHEM	-2P	4	M--4--	I------
.885-082	ION-EXCHANGE OPERATOR	GLUE	-3P	3	L--4--	I--4---
.885-086	ION-EXCHANGE OPERATOR	ORE DRESS SM	-2P	4	L--4--	I---5--
.885-090	LEAD-NITRATE PROCESSOR	CHEM	-2P	3	V-34--	I-3---7
.885-094	MVA-REACTOR OPERATOR	CHEM	-3P	4	M--4--	I---5--
.885-098	NEUTRALIZER	SOAP	-2P	3	L2-4--	I--4567
.885-102	NITRATOR OPERATOR	EXPLOSIVES P	-2P	3	M--4--	I-----7
.885-106	NITROGLYCERIN NEUTRALIZER	EXPLOSIVES	-3P	4	L-34-6	I----67
.885-110	PHOSPHORIC-ACID OPERATOR	CHEM	-2P	4	L2-4--	I-----7
.885-114	POLYMERIZATION-HELPER	PLASTICS MAT	-3-	4	M2-4--	I----67
.885-118	POLYMERIZATION-OVEN OPERATOR	PLASTICS MAT	-2P	3	M--4--	I------
.885-138	REFORMER OPERATOR	CHEM	-3P	4	L2-4--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-026	CAUSTICISER	PAPER / PULP	-3P	4	L2-4--	I------
.782-050	CRACKING-UNIT OPERATOR	PLASTICS MAT	-3P	5	M-34--	I---6-
.782-082	OXIDATION OPERATOR	CHEM EXPLOSI	-2P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010	ABSORBER OUTSIDE HELPER	CHEM	-3P	4	L2-4--	O-----7
.885-014	ACID-PLANT HELPER	CHEM	-3P	4	L2-4--	B-----7
.885-018	ACID-POLYMERIZATION OPERATOR	CHEM	-3-	3	M--4--	I-----7
.885-022	ALKYLATION TOWER TENDER	CHEM PETROL	-3P	4	L2-4--	O------
.885-026	BALL-MILL OPERATOR	COAL TAR PRO	-3P	3	L2-4--	I------
.885-038	CAUSTIC OPERATOR	PAPER / PULP	-3P	4	L----6	I-3-5--
.885-042	CD-REACTOR OPERATOR	CHEM	-3P	4	M2-456	I-----7
.885-046	CELL-TENDER HELPER	CHEM	-3P	4	L-34--	I-3---7
.885-050	CHAMBER WALKER	CHEM FERTILI	-3P	2	M--4-6	B------
.885-054	CHEMICAL OPERATOR	CHEM	-3P	4	M--4--	I-----7
.885-058	CHEMICAL WORKER	AMMUNITION	-3P	3	L-34--	I--4-6-
.885-062	COLD-ACID-UNIT OUTSIDE HELPER	CHEM	-3P	4	L2-4--	O-----7
.885-142	SECOND OPERATOR AMMONIUM SULFA	CHEM	-3P	4	L2-4--	O-----7
.885-146	SECOND-CLASS OPERATOR	CHEM	-3P	4	L--4-6	B----67
.885-150	SOLVENT-REMOVAL OPERATOR	CHEM	-3P	4	L2-4--	B-----7
.885-154	TOWER HELPER	CHEM	-3P	3	M--4--	I------
.884-010	CELL TESTER	CHEM	-3P	2	L--4--	I-3---7
.782-014	BLEACH CHLORINATOR	CHEM	-3P	5	M--4--	I-----7
.782-018	BURNER OPERATOR	CHEM	-3P	5	M--4--	I---5--
.782-022	CATALYTIC-CONVERTER OPERATOR	CHEM	H3P	5	L--4--	I------
.782-030	CAUSTICISER	CHEM	-3P	5	M--4--	I------
.782-038	CELL TENDER	CHEM	-3P	5	L-34--	I-3----

558. REACTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.782-054	CUPROUS-CHLORIDE OPERATOR	CHEM	-3P	4	M--4-6	I------
.782-058	DISSOLVER OPERATOR	CHEM	-3P	4	L--4-6	I------
.782-066	FURNACE OPERATOR	CHEM	-3P	4	M--4--	I------
.782-074	KETTLE OPERATOR	PLASTICS MAT	-3P	5	L--4--	I-----6-
.782-078	KETTLE OPERATOR	CHEM	-3P	4	H-34--	I-----7
.782-090	SATURATOR OPERATOR	CHEM COKE PR	-3P	5	L--4-6	I---5--
.782-098	SODA-COLUMN OPERATOR	CHEM	-3P	4	L--4--	I-----7
.782-102	WET-MIX OPERATOR	CHEM	-3P	4	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-158	TWITCHELL OPERATOR	CHEM	-3P	3	L--4-6	I-----7
.782-042	CHLORINATOR OPERATOR	CHEM	-3P	5	L--4-6	I-----7
.782-062	FERMENTATION OPERATOR	CHEM	-3P	5	M--4--	I--4---

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AMPOULE SEALER	DRUG PREP	-2P	2	S--4-6	I------
.887-014	BOOKER	RUBBER GOODS	-1-	1	L--4--	I------
.887-018	CAKE WRAPPER	SYNTHETIC FI	-1-	2	M--4--	I------
.887-022	CELL CLEANER	CHEM	-2P	2	H-34--	I--4---
.887-026	CONTACT-ACID-PLANT-OPERATOR HE	CHEM FERTILI	-2-	2	L--4--	B-----7
.887-030	COTTON WASHER	SYNTHETIC FI	-1-	1	H--4--	I-----7
.887-038	DOTTER	RUBBER GOODS	-1-	2	L--4--	I------
.887-042	EGG PROCESSOR	DRUG PREP	-2P	2	S--4-6	I------
.887-046	FILTER CLEANER	PLASTICS MAT	-1P	2	M-34--	I-----7
.887-050	FILTER WASHER	EXPLOSIVES	-1-	1	M--4--	I--4-6-
.887-054	FRAME STRIPPER	GLUE	-1-	1	M-34--	I-3----
.887-058	HOSE INFLATOR	RUBBER GOODS	-2-	2	M-34--	I----67
.887-062	HOSE LOADER	RUBBER GOODS	-1P	2	H-34--	I-----7
.887-066	HOSE STRIPPER	RUBBER GOODS	-1P	2	M--4--	I----6-
.887-078	ROD-AND-TUBE STRAIGHTENER	PLASTICS MAT	-2-	2	M-34--	I-34---
.887-086	SIPHON OPERATOR	DRUG PREP	-2-	2	L--4--	I------
.887-094	SPIKER	TURP / ROSIN	-1P	1	L--4--	I------
.887-098	TANK CLEANER	CHEM PLA	-2P	2	L--4--	I----67
.886-010	CATALYST-OPERATOR HELPER GASOL	CHEM PETROL	-2-	2	H--4--	I-----1-
.886-014	COMPOUND WORKER	PHONOGRAPH	-2P	1	M--4--	I-3-567
.886-018	DYNAMITE-PACKING-MACHINE FEEDE	EXPLOSIVES	-1-	2	M-34--	I----67
.886-022	HOSE-TUBING BACKER	RUBBER GOODS	-1-	2	L--4--	I------
.886-030	LABORER VAT HOUSE	GLUE	-1-	2	H234--	I--4567
.886-034	OVEN UNLOADER	RUBBER GOODS	-2-	2	H--4--	I-3----
.886-038	PLANISHING-PRESS OPERATOR HELP	PLASTICS MAT	-1-	1	M--4--	I------
.886-042	REROLL HAND	RUBBER GOODS	-1-	2	M--34-	I--4---
.886-046	SKIN-FORMER HELPER	RUBBER GOODS	-2P	2	L-34--	I------
.886-050	SLABBER	SOAP	-2P	2	M-34--	I----67
.886-054	TESTING-MACHINE FEEDER	RUBBER GOODS	-2P	2	S--4--	I------
.886-058	TIRE LAYER AND EXTRACTOR	RUBBER TIRE	-2P	3	H--4--	I-34---

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

.886-062 TIRE-TRIMMING-MACHINE FEEDER	RUBBER TIRE	-1P	2	M-34--	I------
.886-066 TOWER ATTENDANT	PAPER / PULP	-2P	2	H2-4-6	O----67
.885-030 AMPOULE FILLER	DRUG PREP	-2P	2	L--4--	I------
.885-034 AMPOULE-WASHING-MACHINE OPERAT	DRUG PREP	-2P	2	L--4-6	I------
.885-038 BEATER	PLASTICS MAT	-2P	2	L--4--	I------
.885-058 COMPRESSOR OPERATOR	SALT PRODUCT	-2P	2	H--4--	I---5--
.885-074 DIGESTER OPERATOR	FERTILIZER	-3P	3	M-34--	I---5--
.885-078 DOPE-DRY-HOUSE OPERATOR	EXPLOSIVES	-2P	2	M-34--	I-----7
.885-082 DRIER FEEDER	RUBBER RECLA	-2P	2	M-34--	I--4---
.885-086 DRIER-AND-PULVERIZER TENDER	CHEM	-3P	2	H--4--	I-----7
.885-098 DUSTING-AND-BRUSHING-MACHINE O	RUBBER GOODS	-2P	2	M--4--	I----67
.885-106 ELECTRODE-CLEANING-MACHINE OPE	ELEC EQUIP	-2P	2	H--4--	O---5-7
.885-110 EXTRACTOR-PLANT OPERATOR	BONE CARBON	-3P	4	L--4-6	I------
.885-114 FABRIC NORMALIZER	RUBBER GOODS	-3P	3	M-34--	I--4---
.885-122 FISH-FERTILIZER OPERATOR	FERTILIZER	-3P	4	M-34--	I--4---
.885-130 FOAM-MACHINE OPERATOR	FABRIC PLAST	-2P	2	M--4--	I-----7
.885-146 FRAME STRIPPER	SOAP	-2P	2	M--4--	I----67
.885-154 FUSE MAKER	FIREWORKS	-3P	3	M--4--	I------
.885-190 LATEX SPOOLER	RUBBER GOODS	-3P	4	H-34--	I------
.885-210 OPENER	RUBBER GOODS	-1P	2	L--4--	I------
.885-230 PRESS TENDER	RUBBER GOODS	-2P	3	M--4--	I-34-6-
.885-238 REBRANDER	RUBBER GOODS	-2P	2	L--4--	I----6-
.885-250 ROLLER-MILL TENDER	DRUG PREP	-2-	2	M-34--	I------
.885-254 RUBBER CUTTER	RUBBER GOODS	-2P	2	H--4--	I------
.885-262 SCREENER-PERFUMER	SOAP	-2P	2	H--4--	I------
.885-270 SPREADING-MACHINE OPERATOR	GLUE	-2P	2	L--4-6	I------
.885-294 VAPORIZER	PLASTICS MAT	-2P	2	M--4--	I------
.885-310 WASHER AND DRIER	PLASTICS MAT	-2P	3	M--4--	I------
.885-322 WRAPPER REWINDER	RUBBER GOODS	-1P	2	H-34--	I---5--
.884-038 TANK CLEANER	PAINT / VARN	-2P	4	H234--	B--4567
.782-058 COMPOSITION-ROLL-MAKER AND CUT	RUBBER GOODS	-3P	4	M-34--	I------
.782-150 STRETCH-MACHINE OPERATOR	FABRIC PLAST	-2P	4	H--4--	I------
.780-010 PLATE CHANGER	PHONOGRAPH	-3P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-070 LABORER CHEMICAL PROCESSING	CHEM	-2-	2	H-34--	I----67
.887-082 SAMPLER	CHEM	-2-	3	L2-4--	B------
.886-026 LABORER	DRUG PREP	-2-	2	H-34--	I------
.885-042 BONE-PROCESS OPERATOR	BONE CARBON	-3P	4	L--4--	I------
.885-290 VACUUM-PAN OPERATOR	SALT PRODUCT	-3P	3	M--4--	I------
.782-194 SPONGE-PRESS OPERATOR	RUBBER GOODS	-3P	4	M234--	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-090 SKEIN-WINDING OPERATOR	ANY IND	-2-	1	L--4--	I------
.885-126 FLAKER OPERATOR	CHEM COAL TA	-3P	2	L--4--	I------
.885-158 GLUE-MILL OPERATOR	GLUE	-3P	3	H-34--	I---5--
.885-186 LABORER GENERAL	PAINT / VARN	-2P	2	H--4--	I--4-6-
.782-074 RIPENING-ROOM ATTENDANT	PLASTICS MAT	-3P	5	L--4--	I-----7

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.782-082	FINISHING-MILL OPERATOR	PLASTICS MAT	-3P	5	L--4-- I----6-
.782-178	SHREDDING FLOOR EQUIPMENT OPER	PLASTICS MAT	-3P	5	M--4-- I---5-7
.782-186	SODA-ROOM OPERATOR	MALT LIQUORS	-3P	4	M234-- I--4--7
.487-010	TEMPERATURE-CONTROL INSPECTOR	SYNTHETIC FI	-3-	4	L----6 ------7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-070	DESMA LASTER	RUBBER GOODS	-2P	2	M--4-- I-3--6-
.885-174	HYDRATOR OPERATOR	CHEM LIME MI	-3P	4	L2-4-6 I---5-7
.885-222	PRESS OPERATOR	RUBBER RECLA	-2P	3	L2-4-- I--4-6-
.885-226	PRESSER	SOAP	-2P	2	L--4-6 I------
.885-282	TIRE RECAPPER	AUTO/SER	-2P	4	M--4-- I---5-7
.884-014	ISOFORM MIXER	AIRCRAFT MFG	-2P	4	M--4-- I------
.884-034	RUBBER MOLD MAKER	JEWELRY	-2P	3	L--4-6 I------
.687-010	AMPOULE EXAMINER	DRUG PREP	-2-	3	S--4-6 I------
.587-018	VARNISH INSPECTOR	PAINT / VARN	-3-	3	L--4-- I------
.384-018	RE-INSPECTOR, SPONGE RUBBER	RUBBER GOODS	-3P	3	M--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-074	LABORER GENERAL	PLASTICS MAT	-2P	2	M--4-- B-----7
.885-010	ACID BOTTLER	ELEC EQUIP	-3P	2	M--4-6 I------
.885-014	ACID PURIFIER	COAL TAR PRO	-3P	2	L--4-- I------
.885-018	ALKALI WORKER	SOAP	-3P	3	M-34-- I-----7
.885-022	ALUMINUM-HYDROXIDE-PROCESS OPE	CHEM DRUG PR	-3P	4	H234-6 I-----7
.885-026	AMMONIUM-NITRATE CRYSTALLIZER	EXPLOSIVES	-3P	4	M--4-- I----6-
.885-050	BRIQUETTER OPERATOR	CHEM	-3P	2	M--4-- I------
.885-054	CD-STORAGE-AND-MATERIALS MAKE-	CHEM	-3P	4	M--4-- I---5--
.885-062	CRYSTALLIZER OPERATOR	CHEM	-3P	4	H2-4-- I-----7
.885-066	CYLINDER FILLER	COMP / LIQUE	-3P	3	H-34-- I----67
.885-090	DRY-END OPERATOR	PLASTICS MAT	-3P	3	L-34-- I------
.885-094	DRY-HOUSE TENDER	AMMUNITION	-3P	2	L--4-- I-34-6-
.885-102	EFFERVESCENT-SALTS COMPOUNDER	DRUG PREP	-3P	3	H--4-- I------
.885-118	FERMENTER OPERATOR	DRUG PREP	-3P	3	L--4-- I-----7
.885-138	FORMULA WEIGHER	PEN / PENCIL	-3P	4	M234-- I----6-
.885-142	FOURDRINIER OPERATOR	PLASTICS MAT	-3P	4	L--4-- I------
.885-162	GOLF-BALL-COVER TREATER	SPORTS EQUIP	-3P	2	H--4-6 I-----7
.885-166	GRANULAR HELPER	BONE CARBON	-3P	4	M2-4-6 I-----7
.885-170	GREASE-AND-TALLOW PUMPER	GREASE / TAL	-2P	2	L--4-- B------
.885-178	IMPREGNATOR OPERATOR	CHEM	-3-	4	M--4-- I-----
.885-182	GUM MIXER	TEXTILE	-3P	3	H--4-- I--4---
.885-194	LIME-KILN OPERATOR	PAPER / PULP	-3P	4	L----6 I-3-5--
.885-198	LINSEED-OIL-PRESS TENDER	OILS / FATSB	-3P	2	M--4-- I------
.885-202	MIXER	CLEAN / POLI	-3P	4	M-34-- I-34--7
.885-214	POWDER-CUTTING OPERATOR	EXPLOSIVES	-2P	2	L--4-- I----6-
.885-218	PRESS OPERATOR	COMP / LIQUE	-2P	3	L--4-- I------
.885-234	PRESSROOM WORKER FAT	GREASE / TAL	-3P	2	L--4-6 I------
.885-242	REFINING-MACHINE OPERATOR	OILS / FATS	-2P	2	L--4-- I----6-
.885-258	RUBBER-GOODS HELPER	RUBBER GOODS	-2P	2	M-34-- I------
.885-266	SPLASH-LINE OPERATOR	LINOLEUM	-3P	3	M--4-- I------

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-278	TANKROOM TENDER	SYNTHETIC FI	-2P	2	L--4--	I-----7	
.885-298	WASH HELPER	BONE CARBON	-3P	4	M-34-6	I-----7	
.885-302	WASH-TANK TENDER	EXPLOSIVES	-2P	3	L--4-6	I----6-	
.885-306	WASH-MILL OPERATOR	GLUE	-2P	3	M234--	I--4567	
.885-314	WET-END OPERATOR	PLASTICS MAT	-3P	4	M-34--	I------	
.885-318	WET-END OPERATOR	PLASTICS MAT	-3P	3	L--4-6	I-3--6-	
.884-018	NITROGLYCERIN DISTRIBUTOR	EXPLOSIVES	-3P	2	M--45-	B----67	
.884-022	PELLET-PREPARATION OPERATOR	ELECTRONICS	-3P	2	L--456	I------	
.884-026	PILOT-CONTROL-OPERATOR HELPER	CHEM	-2-	5	M2-4-6	B----67	
.884-030	ROLL-TENSION TESTER	PLASTICS MAT	-2P	3	M--4--	I------	
.782-010	ACID MAKER	PAPER / PULP	-3P	4	M--4--	B----67	
.782-022	ALUM-PLANT OPERATOR	CHEM	-3P	4	L--4--	I-----7	
.782-038	CATALYST OPERATOR GASOLINE	CHEM PETROL	-3P	5	H2-4-6	I---5--	
.782-042	CHEMICAL COMPOUNDER	COAL TAR PRO	-3P	3	M--4--	I------	
.782-086	FLUSHER	COAL TAR PRO	-3P	4	H--4--	I--4---	
.782-090	GLUE MAKER BONE	GLUE	-3P	5	M--4-6	I--4-67	
.782-098	HYDROGEN OPERATOR	COMP / LIQUE	-3P	4	M-34--	I------	
.782-122	LIQUEFACTION-PLANT OPERATOR	COMP / LIQUE	-3P	4	L--45-	I---567	
.782-126	MAKE-UP OPERATOR	CHEM	-3P	5	M--4--	I-----7	
.782-134	NAPHTHA-WASHING-SYSTEM OPERATO	PLASTICS MAT	-3P	5	L2-4-6	B----6-	
.782-138	NITROGEN OPERATOR	COMP / LIQUE	-3P	4	M-34--	I------	
.782-146	PHARMACEUTICAL OPERATOR SENIOR	DRUG PREP	-3P	4	M--4-6	I---5-7	
.782-150	PHARMACEUTICAL OPERATOR SERVIC	DRUG PREP	-3P	5	M--4--	I------	
.782-154	PILOT OPERATOR	PLASTICS MAT	-3P	5	L--4-6	I------	
.782-162	PLANT OPERATOR FURNACE PROCESS	BONE CARBON	-3P	4	L2-4--	I-----7	
.782-172	ROLL TENDER	GLUE	-3P	5	L--4--	I------	
.782-190	SPECIALTIES OPERATOR	CHEM	-3P	4	L--4--	I-----7	
.782-198	STERILE-PRODUCTS PROCESSOR	DRUG PREP	-3P	5	H--4--	I------	
.782-210	STRONG-NITRIC OPERATOR	EXPLOSIVES	-3P	4	L--4--	I------	
.782-222	TOWER OPERATOR	SOAP	H3P	4	L--45-	I------	
.782-226	UTILITY OPERATOR	CHEM	-3P	4	M--4--	I------	
.782-230	WASH OPERATOR	BONE CARBON	-3P	5	L--456	I------	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-286	VACUUM-MIXING-MACHINE OPERATOR	PLASTICS MAT	-2P	3	M--4--	I------	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-034	COTTON-WEIGHER OPERATOR	EXPLOSIVES	-2-	2	M--4--	I------	
.884-010	GRAINING-ROLLER MAKER	FURN	-3P	3	L--4--	I------	
.782-070	FILM-CASTING OPERATOR	PLASTICS MAT	-3P	4	M2-4--	I------	
.782-174	RUBBER-MILL OPERATOR	PLASTICS MAT	-3P	5	L2-4-6	I----6-	
.687-014	GUM GRADER	TURP / ROSIN	-3-	3	L--4-6	I------	
.687-022	TUBE SORTER	RUBBER RECLA	-2-	2	L-34--	I--4---	
.587-010	QUALITY-CONTROL TESTER	PLASTICS MAT	-3-	3	L--4-6	I------	
.587-014	SLAB INSPECTOR	RUBBER RECLA	-3-	3	M-34-6	I-----7	

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

			PHYS.D	WK	COND
			HRP SVP	123456	1234567
.885-134	FORMING-MACHINE OPERATOR	NEEDLE PIN	-3P	3	L--4-6 I------
.885-150	FREEZING-MACHINE OPERATOR	DRUG PREP	-3P	3	L-34-6 I2-4-6-
.885-206	NOODLE-CATALYST MAKER	CHEM	-3P	2	M-34-- I------
.885-246	RESTRICTIVE-PREPARATION OPERAT	ORDNANCE	-2P	3	M--4-6 I---5--
.782-034	CASTING-AND-CURING OPERATOR	CHEM	-3P	5	L--4-6 I----6-
.782-054	COAGULATION OPERATOR	PLASTICS MAT	-3P	5	L234-6 I--456-
.782-108	LACQUER MAKER	PAINT	-3P	5	M-34-- I-----7
.782-110	LANOLIN-PLANT OPERATOR	DRUG PREP	-3P	4	L--4-- I-----7
.782-118	LINSEED-OIL REFINER	OILS / FATS	-3P	4	M--4-6 I----6-
.782-170	PUTTY TINTER-MAKER	PAINT / VARN	-3P	5	M--4-- I-----7
.782-214	SULFIDE OPERATOR	CHEM	-3P	5	L2-4-6 B-----7
.782-218	SULFONATOR	TAN MAT / RE	-3P	5	L--4-6 I-----7
.687-018	TABLET TESTER	DRUG PREP	-3-	3	S--4-- I------
.485-010	ADHESION TESTER,	RUBBER GOODS	-3P	3	L--4-6 I----6-

PROCESSING OF WOOD AND WOOD PRODUCTS (560.-569.)

Occupations in this area are concerned with producing wood conglomeration from wood stock, drying and seasoning wood, and treating wood with preservatives and fire retardants. Plywood, composition board, wood veneer, and utility poles are typical of the products manufactured or treated.

More than 60 percent of the occupations in this area demand only minimum cognitive capabilities. There are also substantial concentrations of occupations demanding moderate mathematics capabilities only or mathematics in combination with moderate language capabilities. Mathematics demands are involved in measuring and weighing ingredients according to product formulas, calculating the quantities of ingredients needed for a given batch size, measuring the moisture content of raw materials, computing the weight of moisture removed from a sample, and calculating the tensile strength of a bond using test apparatus. Language demands tend to center around the verbal communications and signaling necessary for the coordination of several workers in performing such tasks as the loading and positioning of logs. Some of the occupations also require the recording of operational data and the interpretation of product specifications. Perceptual processing demands are associated with inspection activities, sorting veneer to match grain and color characteristics, and the identification of different types of wood.

Psychomotor skills are demanded by over half of the occupations either for manual control of equipment or in tending computer-controlled equipment. Mechanical skills would be a definite asset to a few of the occupations in the installation and setup of knives on rollers, disassembly of machines for cleaning and lubrication, and the replacement of worn parts.

Automation is tending to increase productivity in this area without a commensurate increase in jobs. There are some entry opportunities as well as some opportunities for career advancement.

560. MIXING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

		PHYS.D	WK	COND
		HRP SVP	123456	1234567
.887-010 COMPOUNDER CORK	CORK RROD	-2- 2	M-34--	I------
.885-010 CHIP-MIXING-MAGHINE OPERATOR	PARTICLE BOA	-3P 3	L--4--	I---5--
.885-014 MIXING-MACHINE TENDER	CORK PROD	-3P 3	M--4--	I------

561. WOOD PRESERVING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WOOD-POLE TREATER	WOOD PRESERV	-2P 1	H-34--	O-----7
.886-010 LABORER WOOD PRESERVING PLANT	WOOD PRESERV	-2P 2	H234--	B--4-6-
.885-010 TANKER	WOOD PRESERV	-2P 3	M234--	B------
.885-014 TREATING-ENGINEER HELPER	WOOD PRESERV	-2P 2	M-34--	O------

PHYS.D WK COND
HRP SVP 123456 1234567

561. WOOD PRESERVING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 INCISING-MACHINE OPERATOR — WOOD PRESERV -2P 4 L-34-- B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014 TREATING ENGINEER — WOOD PRESERV -3P 5 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 POLE INSPECTOR — WOOD PRESERV -3- 3 L234-- O------

562. SATURATING AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COATER HAND — CORK PROD -2- 2 L-34-- I------
.887-014 DYER — SHAPED WOOD -2- 2 M--4-- I-3---7
.886-010 STEAM-TUNNEL FEEDER — SAWMILL -1- 1 M----- I-34---
.885-014 GLUE-SIZE-MACHINE OPERATOR — FURN -2P 2 M--4-- I-----
.885-022 LOG COOKER — BASKETRY WOO -2P 2 H-34-- O--4---
.885-026 STEAM-BOX OPERATOR — WOODWORKING -2P 2 M-34-- I---5--
.687-010 WICKER SORTER — FURN -2- 2 M----- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 IMPREGNATOR — PEN / PENCIL -3P 2 H--4-- I------
.782-010 WHITING-MACHINE OPERATOR — MIRROR / PIC -3P 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BLEACHER — BROOM -2- 2 M--4-6 I------

563. DRYING; SEASONING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANTICHECKING-IRON WORKER — WOOD PRESERV -1P 2 L-34-- O------
.885-010 CLOTHESPIN-DRIER OPERATOR — SHAPED WOOD -1P 2 M-34-- I------
.885-026 HOT-PLATE-PLYWOOD-PRESS OPERAT — VENEER / PLY H2P 4 H--4-- I-3----
.885-030 HYDRAULIC-PRESS OPERATOR — VENEER / PLY -2P 3 H--4-- I------
.885-034 VENEER DRIER — VENEER / PLY -2P 2 L-34-- I-3----
.885-038 VENEER REDRIER — VENEER / PLY -2P 3 M-34-- I-3----
.687-010 MOISTURE TESTER — WOODWORKING -1- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 GLUING-MACHINE OPERATOR — WOODWORKING -2P 4 H-34-- I----67
.885-022 GLUING-MACHINE OPERATOR ELECTR — WOODWORKING -2P 4 H234-6 I----67

563. DRYING, SEASONING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 DRIER OPERATOR — PARTICLE BOA -3P 5 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014 DRY-HOUSE ATTENDANT — WOODWORKING -2- 3 M--4-- I------

569. PROCESSING, WOOD AND WOOD PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BREAK-OFF WORKER — VENEER / PLY -1- 2 L--4-- I------
.887-014 CAUL-BOARD CLEANER — VENEER / PLY -1- 2 L--4-- I------
.887-016 CHOPPER — WOOD DIS -1P 1 H--4-- B----6-
.887-022 EJECTOR — CORK PROD -2P 1 L--4-- I------
.887-026 LOG WASHER — SAWMILL -1- 2 L--4-- O------
.887-030 SCREEN CLEANER — WALLBOARD -1- 2 L-34-- I---5--
.887-034 WOOD HACKER — MATCH PAPER -2P 3 L--4-- I------
.886-010 CORK-PRESSING-MACHINE OPERATOR — CORK PROD -2- 2 L--4-- I------
.886-014 LABORER HOT-PLATE VENEER PRESS — VENEER / PLY H3P 2 H--4-- I-3---7
.886-018 PAD-MACHINE FEEDER — EXCELSIOR -1- 2 L2-4-- I-----7
.885-010 BENDER — SPORTS EQUIP -2P 2 M--4-- I-34---
.885-014 BENDER MACHINE — WOODWORKING -2P 3 M--4-- I-3----
.885-018 BREAKER-MACHINE OPERATOR — CORK PROD -2P 4 L2-4-- I---567
.885-026 EDGE GLUER — VENEER / PLY -2P 4 L--4-- I------
.885-030 GLUE SPREADER VENEER — VENEER / PLY -2P 3 M--4-- I------
.885-038 STACKER MACHINE — WOODWORKING -1P 2 L--4-- I----6-
.885-042 VARNISHER — SMOKING PIPE -1- 2 L--4-- I------
.885-046 VENEER TAPER — VENEER / PLY -2P 4 L--4-- I------
.883-010 KILN-TRANSFER OPERATOR — WOODWORKING -2P 3 M--4-6 B------
.687-010 PLUG SORTER — SAWMILL WOOD -1- 1 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 CORK MOLDER — CORK PROD H2P 3 H-34-- I-3--6-
.885-034 PRESTO-LOG OPERATOR — FUEL BRIQUET -2P 4 L--4-- I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 DISTRESSER — FURN -1P 1 L--4-- I------
.687-014 ROSIN INSPECTOR — WOOD DISTIL -2- 3 L--4-6 I------
.687-018 SORTER — CORK PROD -1- 2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-022 TREATING INSPECTOR — WOOD PRESERV -3- 3 L--4-- O------
.687-026 VISUAL-AND-GAGE INSPECTOR — CORK PROD -2- 3 L--4-6 I------

PROCESSING OF NONMETALLIC MINERALS (570.-579.)

Occupations in this area are concerned with preparing shapes, parts, and other products from such nonmetallic raw materials as stone, glass, clay, asbestos, sand, abrasive materials, and fiberglass. Manufacturing is generally carried out with the raw materials in a plastic or moldable state.

All eight combinations of cognitive capabilities are demanded by occupations in this area, but more than half of the occupations demand only minimum cognitive capabilities. There are also substantial concentrations of occupations which demand moderate mathematics only; perceptual processing only; or a combination of mathematics, perceptual processing, and language. Mathematics demands are involved in the weighing of ingredients; making weight/volume conversions, and weight/lineal conversions; and computing proportions. Perceptual processing demands are associated with feeling mixtures to determine that they meet texture and dampness specifications, observation of shells to indicate when a casting is firm enough to remove from a mold, and inspecting lenses for defects with the aid of a shadowgraph instrument. Language demands are most commonly associated with communication necessary to carry out the instructions of supervisory personnel, coordinate with other team members, and notify maintenance personnel of equipment malfunctions. Some occupations also require the interpretation of product specifications and the maintenance of operational logs.

Most of the occupations in this area require psychomotor skill either for the operation of equipment or the tending of computer-controlled equipment. Mechanical capabilities can be an asset for disassembly and cleaning of machinery, detection of equipment malfunctions, replacement of worn parts, and the setup and adjustment of equipment.

As in all processing areas, automation and other new technology are holding down the increase in jobs. There are, however, both a considerable number and variety of entry opportunities as well as limited progression opportunities for higher technical and supervisory responsibilities.

570. CRUSHING, GRINDING, AND MIXING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D	WK	COND
				HRP SVP	123456	1234567
.886-010	ABRASIVE-GRADER HELPER	OPTICAL GOOD	-2-	2	M-34--	I-----7
.886-014	ABRASIVE-MIXER HELPER	ABRASIVE / P	-2-	2	M--4--	I------
.886-018	PREPARATION-ROOM WORKER	ASBESTOS PRO	-2-	2	V-34--	I-----7
.886-022	SKIP TENDER CONCRETE MIXING OR	CONST	-1P	2	M--4--	O---5-7
.885-014	AUXILIARY-EQUIPMENT TENDER	CEMENT	-2P	3	M-34--	I---567
.885-018	CLAY MIXER	BRICK / TILE	-2P	2	L--4--	I------
.885-022	CONCRETE-MIXER OPERATOR	CONC PROD CO	-3P	4	M--4--	I---5-7
.885-026	CRUSHER OPERATOR	WALLBOARD	-2P	2	H2-4--	I---567
.885-030	CULLET CRUSHER-AND-WASHER	GLASS MFG	-2P	4	L--4--	B--4---
.885-034	DRY-PAN OPERATOR	BRICK / TILE	-3P	4	M234--	I---567

570. CRUSHING, GRINDING, AND MIXING (CONT.)

.885-038	GLAZE MAKER	BRICK / TILE	-2P	4	H--4-6	I------
.885-042	HAMMER-MILL OPERATOR	ROOF MATERIA	-2P	3	L--4--	I------
.885-050	MILLER	CEMENT	-3P	3	M--4--	I---5-7
.885-054	MILLER	FERTILIZER	-2P	2	L--45-	I---5-7
.885-058	MILLER	MINERALS / E	-3P	2	L--4-6	I----67
.885-066	MIXER	ASBESTOS PRO	-2P	2	H-34--	I--4--7
.885-070	MIXER TENDER, BOARD	WALLBOARD	-3P	4	L--4--	I------
.885-078	MOLDING-MACHINE TENDER	PEN / PENCIL	-2P	2	M--4--	I---5--
.885-082	MUD-MIXER OPERATOR	COKE PROD OR	-2P	2	H-34--	I-44---
.885-086	PUG-MILL-OPERATOR HELPER	BRICK / TILE	-3P	2	V--4--	I--4---
.885-098	SAGGER PREPARER	POTTERY / PO	-2P	3	M--4--	I------
.885-102	SILICA-SPRAY MIXER	ORE DRESS SM	-3P	3	M-34--	I---56-
.885-106	SLATE MIXER	ROOF MATERIA	-2P	2	L--4--	I------
.884-010	MIXER DIAMOND POWDER	ABRASIVE / P	-3-	4	L--4--	I------
.782-022	CLAY MAKER	BRICK / TILE	-3P	5	H--4--	I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010	BATCH MIXER	BRICK / TILE	-2-	2	H--4--	I---5-7
.885-046	LIME SLAKER	LIME	-3P	4	H--4--	O---5--
.885-062	MIXER	GLASS MFG	-3P	3	L--4--	B------
.885-074	MIXER OPERATOR	LIME	-2P	2	L--4--	I------
.885-094	ROUGE MIXER	OPTICAL GOOD	-2P	2	M--4--	I-----7
.782-018	CENTRAL-BATCH-PLANT OPERATOR	CONC PROD CO	-3P	5	L--4--	I------
.782-030	PLASTER MIXER, MACHINE	WALLBOARD	-3P	5	V2-4--	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-090	REFRACTORY MIXER	IRON / STEEL	-3P	3	H--4--	I---5--
.883-014	SAND-CUTTER OPERATOR	FOUND	-3P	4	L--4--	I---5-7
.782-010	ABRASIVE GRADER	OPTICAL GOOD	-3P	4	M-34--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-010	DRY-PAN CHARGER	BRICK / TILE	-3P	5	M2-4-6	O---5-7
.782-014	BULK-STATION OPERATOR	PETROL PRODU	-3P	5	H234--	B----67
.782-026	MILL OPERATOR	BRICK / TILE	-3P	5	M--4--	I---5-7
.782-034	SUPPLY CONTROLLER	WALLBOARD	-3P	4	H2-4--	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010	ABRASIVE MIXER	ABRASIVE / P	-3P	4	H--4--	I------

571. SEPARATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010	BURNER TENDER	MINERALS / E	-2P	2	L--4--	I---567
.885-014	CONCENTRATOR OPERATOR	ABRASIVE / P	-2P	2	L--4--	I------
.884-010	RIFTER	MINERALS / E	-2P	3	L--4-6	I----67

571. SEPARATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

		HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-018 GLAZE HANDLER	BRICK / TILE	-2P	4	M--4--	I-------

572. MELTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 GLAZING-MACHINE OPERATOR	GLASS MFG	-2P	2	L--4--	I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 CUPOLA CHARGER INSULATION	WALLBOARD	-2-	2	V-34--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 FURNACE TECHNICIAN	GLASS MFG	-3P	3	L--456	I-3-5--
.885-014 GLASS-FURNACE TENDER	PAINT / VARN	-2P	2	H-34--	I------
.782-014 TANK-AND-BATCH OPERATOR	GLASS MFG	-3P	5	L--4-6	I------

573. BAKING, DRYING, AND HEAT TREATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 FIRER HELPER, PERIODIC KILN	POTTERY / PO	-2P	2	M-34--	I-3----
.887-022 KILN CLEANER	LIME	-1-	2	M-34-6	I----67
.887-026 KILN DRAWER	POTTERY / PO	-2P	3	M2-4--	I------
.887-030 KILN WORKER	POTTERY / PO	-1-	2	V234--	I-----7
.887-034 KILN-BURNER HELPER	BRICK / TILE	-3P	3	M--4--	B-3--6-
.886-010 FUSING-FURNACE LOADER	OPTICAL GOOD	-2-	2	L--4--	I------
.886-014 GLASS-VIAL-BENDING-CONVEYOR FE	CUT TOOLS	-2P	2	L-34--	I-3----
.886-018 HACKER	BRICK / TILE	-1-	2	V-34--	I-------
.885-014 CYLINDER TENDER	BRICK / TILE	-2P	3	L--4--	I------
.885-018 DRYING-MACHINE OPERATOR	POTTERY / PO	-1P	4	L--4--	I-------
.885-022 KILN-OPERATOR HELPER	LIME	-2-	2	M234--	B-3--6-
.885-050 CLAY ROASTER WEDGE-FURNACE KIL	PETROL REFIN	-2P	4	M--4--	I------
.782-034 FIRER TUNNEL KILN	POTTERY / PO	-3P	5	M--4-6	I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-042 LIME-KILN OPERATOR	LIME	-3P	5	L--4-6	I-3-5--
.782-046 ROTARY-KILN OPERATOR	CEMENT CHEM	-3P	4	L-3456	B-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 CLAY ROASTER	PETROL REFIN	-3P	4	M--4--	I------
.884-010 BAKER BEADS	ELECTRONICS	-2-	3	M--4--	I------

573. BAKING, DRYING, AND HEAT TREATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 BEDDER	POTTERY / PO	-2P	3	M--4--	I------
.887-014 DRY-KILN OPERATOR HELPER	BRICK / TILE	-2P	3	M--4-6	I--4---
.887-038 SETTER HELPER	BRICK / TILE	-2-	2	H-34--	B-3--6-
.886-022 KILN PLACER	POTTERY / PO	-2-	2	M2-4--	I------
.884-014 KILN-DOOR BUILDER	BRICK / TILE	-2P	3	M234-6	O-3--6-
.687-010 SORTER	BRICK / TILE	-2-	2	H234-6	B------
.687-014 TILE SORTER	BRICK / TILE	-2-	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-026 ANNEALER	GLASS PROD	-3P	3	L-34-6	I-3----
.885-034 LEHR TENDER	GLASS MFG	-3P	3	M--4--	I------
.885-046 REGENERATOR OPERATOR	SUGAR	-3P	4	L2-4--	--3--67
.884-018 SETTER	BRICK / TILE	-3P	4	H234--	I-3--67
.782-014 DRY-KILN OPEERATOR	BRICK / TILE	-3-	5	M--4-6	I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 LEHR TENDER	GLASS MFG	-3P	3	L--4--	I-3----
.885-038 LENS HARDENER	OPTICAL GOOD	-3-	2	L--4--	I------
.885-042 OVEN TENDER	GLASS MFG	-3-	2	L--4-6	I------

574. IMPREGNATING, COATING, AND GLAZING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DUST BOX WORKER	ROOF MATERIA	-2P	2	L234-6	I-3-5-7
.887-014 SILVERER HELPER	MIRROR	-1-	2	M--4--	I------
.885-010 DYED-YARN OPERATOR	GLASS MFG.	-2P	2	L--4--	I------
.885-014 FIBERGLASS-BONDING-MACHINE TEN	GLASS MFG	-3P	2	L--4--	I---5--
.885-018 GASKET-COATER-AND-DRIER OPERAT	PIPE / BOILE	-1P	3	L--4--	I------
.885-022 MICA COATER	MINERALS / E	-2-	2	L--4--	I----67
.885-034 WAX-MACHINE OPERATOR	GLASS MFG	-2P	3	L--4--	I------
.884-010 GROUND LAYER	POTTERY / PO	-1P	4	S--4-6	I------
.782-010 ABRASIVE-COATING-MACHINE OPERA	ABRASIVE / P	-3P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-014 AUSTSCHUDER-MACHINE OPERATOR	GLASS PROD	-3P	4	M--4--	I------
.782-018 SET UP MAN BAKING-AND-COATING	ELECTRONICS	-3P	4	M--456	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 SPRAY-MACHINE LOADER	POTTERY / PO	-2-	2	S--4--	I------
.885-026 PAPERHANGER	WALLBOARD	-3P	4	L2-4--	I------
.885-030 TOP-CAP-PROCESSING-EQUIPMENT O	ELECTRONICS	-2P	2	L--4--	I--4---
.884-018 SILVERER	MIRROR	-2P	3	M--4-6	I------

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574. IMPREGNATING, COATING, AND GLAZING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 OPTICAL-GLASS SILVERER OPTICAL GOOD -3P 4 L--4-- I------

575. FORMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FORMING-MACHINE-UPKEEP-MECHANI GLASS MFG -2P 3 M--4-- I-3-5--
.887-022 MOLDER BENCH PIPE / BOILE -1- 3 M--4-- I------
.887-026 PIPE STRIPPER CONC PROD -1- 2 V-34-- I---5-7
.886-010 DRY-PRESS-OPERATOR HELPER BRICK / TILE -2- 2 M--4-- I---5-7
.886-014 MOLDER HELPER OPTICAL GOOD -1- 2 M--4-- I-3----
.886-018 PIN MAKER POTTERY / PO -1- 2 L--4-- I------
.885-014 BLOCK-MAKING-MACHINE OPERATOR CONC PROD -2P 3 M--4-6 I---5--
.885-022 CHALK-EXTRUDING-MACHINE OPERAT PEN / PENCIL -2P 3 L--4-- I------
.885-034 DIE PRESSER POTTERY / PO -2P 3 L--4-- I------
.885-038 FIBER-MACHINE TENDER GLASS MFG -3P 3 L--4-- I--4-6-
.885-042 FLOWER-POT-PRESS OPERATOR POTTERY / PO -2P 2 L--4-- I------
.885-046 GLASS BENDER GLASS MFG -1P 3 L--4-- I-3----
.885-050 HOT-PRESS OPERATOR ABRASIVE / P -2P 3 M--4-- I------
.885-054 HYDRAULIC-BILLET MAKER PEN / PENCIL -1P 3 L--4-- I------
.885-058 LEAD FORMER PEN / PENCIL -2P 2 L--4-- I------
.885-066 DIE TRIPPER BRICK / TILE -1P 2 M--4-- I------
.885-070 MARBLE-MACHINE OPERATOR GLASS MFG -2P 3 L--4-- I------
.885-074 MOLDER FIBER GLASS LUGGAGE LEATHER PROD -2P 2 L--4-6 I-3-5-7
.885-078 LINING-MACHINE OPERATOR CONC PROD -2P 2 L--4-- O---5--
.885-082 PRESS OPERATOR MINERALS / E -2P 3 L--4-- I----67
.885-086 PRESSER GLASS MFG -2P 4 L--4-- I-3-56-
.885-090 PUNCH-PRESS OPERATOR GLASS MFG -2P 3 L--4-- I------
.885-094 SHOT-COAT TENDER CONC PROD -2P 2 L--4-- I------
.885-098 SLIVER-FORMING-AND-WINDING OPE GLASS MFG. -3P 3 L-34-6 I--456-
.885-106 SYNTHETIC-GEM-PRESS OPERATOR JEWELRY -2P 2 L--4-- I------
.885-110 TEST-SKEIN WINDER GLASS MFG -2P 3 L--4-- I--456-
.885-114 TURN-OUT HELPER GLASS MFG -2P 4 L2-4-- I-3----
.884-010 BATTER-OUT POTTERY / PO -2P 5 M--4-- U--45--
.884-022 CROSS CUTTER ROLLED GLASS GLASS MFG -2P 2 L--4-6 I------
.884-026 GATHERER GLASS MFG -2P 5 L--4-- I-3----
.884-030 HANDLE MAKER POTTERY / PO -2P 4 M--4-- I-34---
.883-010 BUCKET OPERATOR CONC PROD -2P 3 L--4-- O---5--
.782-038 MOLDING-MACHINE OPERATOR SPORTS EQUIP -2P 4 M--4-- I------
.782-054 RETORT-OR-CONDENSER PRESS OPER BRICK / TILE -3P 4 H--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-026 CHALK-MOLDING-MACHINE OPERATOR PEN / PENCIL -2P 3 L--4-- I------
.885-102 WET MACHINE TENDER ASBESTOS PRO -2P 3 L--4-- I--4---

575. FORMING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	PLATFORM WORKER	GLASS MFG	-2P	2	L-1456	I-3----
.887-018	LABORER PRESTRESSED CONCRETE	CONC PROD	-3P	2	H-34--	O---5--
.885-030	CONCRETE-PIPE-MAKING-MACHINE O	CONC PROD	-2P	2	M--4--	I---5-7
.885-062	LENS MOLDER	OPTICAL GOOD	-2P	2	L--4--	I------
.884-014	CASTER	POTTERY / PO	-3P	5	M--4-6	I--4---
.884-018	CASTER	STAT / ART G	-3P	2	H--4--	I--4---
.884-038	MOLD-MAKER TERRA COTTA	BRICK / TILE	-2P	3	M--4--	I------
.884-042	MOLDER HAND	BRICK / TILE	-3P	5	V-34--	I-3---7
.884-050	CENTRIFUGAL SPINNER	CONC PROD	-2P	2	M-34--	O---6-
.782-022	DRY-PRESS OPERATOR	BRICK / TILE	-3P	5	M-34--	I---5-7
.782-046	PRESS OPERATOR	BRICK / TILE	-3P	4	M--4--	I---5-7
.782-050	RAM-PRESS OPERATOR	POTTERY / PO	-3P	5	H-34-6	I--4---
.687-018	PRESS PIPE INSPECTOR	BRICK / TILE	-2-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-034	LENS MOLDER	GLASS MFG	-2P	4	L--4--	I-3----
.782-018	DRAWING-KILN OPERATOR	GLASS MFG	-3P	4	L--456	I------
.782-058	YARDAGE CONTROL OPERATOR, FORM	GLASS MFG	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-054	TERRAZZO-TILE MAKER	BRICK / TILE	-3P	3	M--4-6	I--4---
.781-014	FOOT CASTER	GLASS MFG	-3P	5	S--4-6	I-3----
.687-014	MAT INSPECTOR	WALLBOARD	-3P	3	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010	ABRASIVE-WHEEL MOLDER	ABRASIVE / P	-3P	4	H--4--	I------
.687-010	END FINDER FORMING DEPARTMENT	GLASS MFG	-2P	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-018	BOTTLE-MACHINE OPERATOR	GLASS MFG	-3P	4	L--4--	I-3-5--
.884-046	SANITARY-TUB MAKER	CONC PROD	-3P	4	V-34--	I---5-7
.782-014	BRICK-AND-TILE-MAKING-MACHINE	BRICK / TILE	-3P	5	M2-4--	I------
.782-026	FIBER-GLASS-DOWEL-DRAWING-MACH	FABRIC PLAST	-3P	4	L--4-6	I-----7

579. PROCESSING, NONMETALLIC MINERALS AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	FLOOR WORKER	GLASS MFG	-2-	2	M-34--	I-3-5--
.887-018	WINDOW-GLASS CUTTER-OFF	GLASS MFG	-2P	2	H--4--	I------
.887-022	LABORER BATCHING PLANT	CONST	-1-	2	H--4--	O------
.887-026	LABORER GENERAL	BRICK / TILE	-3P	1	V-34--	B-----7
.887-030	MICA SIZER	MINERALS / E	-1-	2	S--4-6	I----67

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579. PROCESSING, NONMETALLIC MINERALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	LABORER CONCRETE PLANT	CONC PROD	-3P	1	V-34--	B--456-
.886-018	MIRROR-MACHINE FEEDER	MIRROR	-1-	2	H--4--	I------
.886-022	OFF BEARER SEWER PIPE	BRICK / TILE	-2P	2	H-34--	I------
.885-022	FLOOR WINDER	GLASS MFG	-2P	4	L--4--	I------
.885-030	GLASS-CLEANING-MACHINE TENDER	GLASS PROD	-2P	4	L--4--	I------
.885-034	GLASS-WOOL-BLANKET-MACHINE FEE	GLASS PROD	-2P	4	L--4--	I------
.885-038	INSULATION-MACHINE OPERATOR	PIPE / BOILE	-1P	3	M--4--	I------
.885-042	LABORER CONCRETE-MIXING PLANT	CONST	-2P	2	H234--	O---5--
.885-050	MOLD POLISHER	GLASS MFG	-2P	3	M-34--	I------
.885-058	PACKER INSULATION	WALLBOARD	-1P	2	L--4--	I---5--
.885-062	PUMPMAN	CEMENT	-2P	3	M--4--	I-----7
.885-066	ROUGE SIFTER AND MILLER	OPTICAL GOOD	-1P	2	L--4--	I------
.885-070	SANDPAPER WINDER	ABRASIVE / P	-1P	2	L--4--	I------
.885-078	VIBRATOR	POTTERY / PO	-1P	2	L--4-6	I------
.885-082	WIRE SETTER	GLASS MFG	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014	MAT PACKER	WALLBOARD	-3P	2	M--4--	I---5--
.782-022	MAT-MACHINE OPERATOR	WALLBOARD	H3P	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010	BRAKE-LINING-FINISHER HELPER A	ASBESTOS PRO	-2P	2	H--4--	I-----7
.885-010	BRAKE-LINING FINISHER ASBESTOS	ASBESTOS PRO	-3P	3	H--4--	I-----7
.885-074	SILVER STRIPPER MACHINE	MIRROR	-2P	2	M--4--	I------
.884-022	KILN-FURNITURE CASTER	POTTERY / PO	-3P	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-054	NODULIZER	CEMENT	-3P	3	L--4--	I-3--67
.884-014	CONCRETE-VAULT MAKER	CONC PROD MO	-2P	4	V--4--	I--4---
.687-010	GLASS INSPECTOR	ANY IND	-2-	2	M--4-6	I----6-
.687-018	MICA PATCHER	MINERALS / E	-1P	2	L--4-6	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-018	KNIFE OPERATOR	WALLBOARD	-3P	5	L--4--	I------
.782-026	MIXER WET-POUR	CONC PROD	-3P	4	V234--	I---567
.585-010	SAMPLER-TESTER	ASBESTOS PRO	-2-	2	L-34--	I------
.387-014	MAT TESTER	WALLBOARD	-3-	3	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-010	CALCINER GYPSUM	WALLBOARD	-3P	5	L234--	I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018	DRIER-AND-GRINDER TENDER	MINERALS / E	-2P	4	L--4--	I---567
.885-046	MICA-PLATE LAYER	MINERALS / E	-3P	2	M--4--	I----67
.884-010	CLAY-STRUCTURE BUILDER AND SER	GLASS MFG	-3P	4	H-34-6	I-3--6-

579. PROCESSING, NONMETALLIC MINERALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-026	FRIT-MIXER-AND-BURNER	BRICK / TILE	-3P	4	H--4-6	I-3-567
.884-018	FIBER-GLASS-CONTAINER-WINDING	GLASS PROD	-3P	4	M--4--	I------
.782-030	SAND MIXER MACHINE	FOUND	-2-	4	M--4--	I------
.687-014	MICA CLASSIFIER	MINERALS / E	-3-	4	S--4-6	I----67
.687-022	SELECTOR	GLASS MFG	-2-	2	L-34-6	I------
.684-010	INSPECTOR	CONC PROD	-3-	4	M--4-6	I------
.684-014	MICA TRIMMER	MINERALS / E	-3P	4	S--4-6	I----67
.387-010	FLOOR INSPECTOR	GLASS MFG	-3-	5	L--4-6	I------
.387-018	QUALITY-CONTROL INSPECTOR	GLASS MFG	-3-	3	M--4-6	I------
.387-022	QUALITY-CONTROL TECHNICIAN	GLASS MFG	-3-	4	L--4-6	I------
.384-010	BRICK TESTER	BRICK / TILE	-3P	5	M--4-6	B------
.384-014	PRODUCT TESTER FIBER GLASS	GLASS MFG WA	-3-	5	M--4-6	I---5--
.384-018	QUALITY TECHNICIAN	GLASS MFG	H3-	4	L--4-6	I------
.384-022	WARE TESTER	GLASS MFG	-3-	5	L--4-6	I------

PROCESSING OF TEXTILES AND LEATHER (580.-589.)

Occupations in this area are concerned with treating textiles, leather, and textile products to impart characteristics such as body weight, pliability, texture, size, finish, and water resistance. These occupations are also concerned with shaping, blocking, stretching, shrinking, embossing, cutting, and similar operations as a stage in the manufacture of finished goods such as clothing. There are 390 occupations listed in this handbook from this area.

All eight combinations of cognitive demands are represented. More than 70 percent of the occupations make only minimum cognitive demands. But, there are also substantial concentrations of occupations that demand moderate language only, perceptual processing only, and combined language and mathematics. Language demands involve verbal communications, reading work orders, and entering process and production information on forms. Perceptual processing demands are associated with activities such as feeling material to assure that a specified texture has been attained, inspecting rolls or folded cuts of cloth for color shade variations, and observing material as it passes through a machine to prevent rolled selvages from damaging embossing rollers. Mathematics demands are associated with activities such as measuring quantities of liquids and dry chemicals, or measuring temperature of critical machine parts.

Psychomotor skills are required for about three-fourths of the occupations for manual control of machines or the tending of computer-controlled equipment. Fast response is frequently required to prevent loss of material or equipment damage in the event of jamming or the presence of foreign objects. Knowledge of handling caustic solutions is required for a number of occupations. Mechanical capabilities can be an asset for some occupations in support of machine setup and minor maintenance.

Leather and textile operations are undergoing a major trend toward automation. There are limited entry opportunities and career progression opportunities, especially in support of highly automated operations.

580. SHAPING, BLOCKING, STRETCHING, AND TENTERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK COND
			HRP SVP	123456 1234567
.887-010	ORIENTAL-RUG STRETCHER	ANY IND	-2- 2	M-34-- I------
.885-018	CLOTH DRIER	KNIT GOODS	-2P 2	M--4-- I------
.885-022	COLLAR-TURNER OPERATOR	GARMENT	-1P 2	L--4-6 I------
.885-030	GAUZE-PAD-MACHINE OPERATOR	[redacted]GICAL APP	-1P 2	L--4-- I------
.885-034	HAT-BLOCKING-MACHINE OPERATOR	[redacted] / CAP	-2P 4	L--4-- I--45--
.885-038	HAT-BLOCKING-MACHINE OPERATOR	[redacted] / CAP	-2P 2	M--4-- I------
.885-050	MOLDER	[redacted] / CAP	-1P 4	L--4-- I------
.885-054	PRE-PLEATER	HOUSE FURN	-2P 3	L--4-- I------
.885-058	ROLLER OPERATER	HAT / CAP	-1P 2	L--4-- I------
.885-066	STRETCHER	HAT / CAP	-1P 2	M--4-- I------

580. SHAPING, BLOCKING, STRETCHING, AND TENTERING (CONT.)

.885-070 STRETCHING-MACHINE OPERATOR — CORD / TWINE -2P 3 M-34-- I------
.885-074 TENTER-FRAME OPERATOR — KNIT GOODS T -2P 2 L--4-- I------
.885-078 TIP STRETCHER — HAT / CAP -2P 2 L--4-- I--45--
.885-082 YARN-TEXTURING-MACHINE OPERATO — TEXTILE -2P 3 L-34-6 I---5--
.884-010 BLOCKER HAND — HAT / CAP -2P 2 L--4-6 I-34---
.884-014 BLOCKER HAND — HAT / CAP -2P 3 L--4-6 I-34---
.782-014 WEFT STRAIGHTENER — TEXTILE -2P 4 S--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BRIM-STRETCHING-MACHINE OPERAT — HAT / CAP -2P 3 L--4-- I---5--
.885-014 CALENDERING-MACHINE OPERATOR — KNIT GOODS -3P 3 H--4-6 I--4---
.885-026 COTTON-BALL-MACHINE TENDER — SURGICAL APP -2P 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-042 HOOKING-MACHINE OPERATOR — TEXTILE -2P 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-062 SKEIN-YARN DYER — KNIT GOODS T -2P 3 M--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-046 HYDRAULIC BLOCKER — HAT / CAP -2P 4 L--4-6 I------

581. SEPARATING, FILTERING, AND DRYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BURLAP SPREADER — TEX BAG -1- 1 M--4-- I------
.887-014 HEAT CURER — TEXTILE -1- 2 L--4-- I-3----
.887-022 WHITE-DOWN-FEATHER SORTER — HOUSE FURN -1- 1 L--4-6 I------
.886-010 BLOWER FEEDER, DYED RAW STOCK — TEXTILE -1- 2 H--4-- I------
.886-014 DRIER — GARMENT -1- 1 M--4-- I------
.886-018 DRIER — HOSIERY KNIT -1- 2 L-34-- I------
.886-022 DRYING-OVEN ATTENDANT — HAT / CAP -1- 1 M--4-- I--4--7
.886-026 DRYING-RACK CHANGER — BOOT / SHOE -2P 2 L--4-- I------
.886-030 DRYING-UNIT-FELTING-MACHINE-OP — FELT GOODS -1- 1 H--4-- I------
.886-034 DUST-MILL OPERATOR — HOUSE FURN -1- 1 M--4-- I------
.886-038 FEATHER-DRYING-MACHINE OPERATO — HOUSE FURN -1- 1 M--4-- I-----7
.886-042 TRAY DRIER — HOSIERY -2P 2 M--4-- I------
.886-046 WET-COTTON FEEDER — TEXTILE -1- 2 M-34-- I--4---
.885-010 CAKE WRINGER — SYNTHETIC FI -1P 2 M--4-- I--4---
.885-018 CLOTH SANDER — TEXTILE -2P 2 H-34-- I-----7
.885-022 DRIER OPERATOR — SYNTHETIC FI -2- 3 H--4-- I------
.885-026 DRIER-AND-REWINDER OPERATOR HE — FIBER RUGS -2P 2 V-34-- I------
.885-034 DRY-ROOM TENDER — ARTIF LEATHE -2P 3 L2-4-- I-3----
.885-042 DRYING-UNIT-FELTING-MACHINE OP — FELT GOODS -2P 4 L--4-- I------

581. SEPARATING, FILTERING, AND DRYING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-046	EXTRACTOR OPERATOR	ANY IND	-2P	2	M--4-- I--45--
.885-050	EXTRACTOR OPERATOR	TEXTILE	-2P	2	M--4-- I------
.885-058	RAW-STOCK-DRIER TENDER	TEXTILE	-2P	2	L----- I--4---
.885-062	RUG-DRYING-MACHINE OPERATOR	CARPET RUG	-2P	3	L--4-- I-3----
.885-066	SKEIN-YARN DRIER	TEXTILE	-2P	2	M--4-- I------
.885-070	TUMBLER TENDER	HOSIERY KNIT	-2-	2	M-34-6 I------
.885-074	VACUUM-DRIER OPERATOR	FELT GOODS	-2-	4	M--4-- I--3---
.885-082	WINDING-RACK OPERATOR	ARTIF LEATHE	-2P	3	M-34-6 I------
.885-086	WOOL OPENER AND DUSTER	TEXTILE	-1P	2	M-34-- I-----7
.885-094	WOOD-WRINGER TENDER	SLAUGHT / ME	-1-	2	M-34-- I--4---
.782-010	DRIER-AND-REWINDER OPERATOR	FIBER RUGS	-3P	5	V-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-038	DRYING-MACHINE OPERATOR PACKAG	TEXTILE	-3P	2	M-34-6 I-34---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	RAG SORTER AND CUTTER	WASTE / BATT	-1P	3	L-34-6 I-----7
.885-030	DRY-CANS OPERATOR	TEXTILE	-2P	2	M--4-- I------
.885-054	FUR-BLOWER OPERATOR	HAT / CAP	-2P	4	L--4-6 I-----7
.885-078	WHIZZER	HAT / CAP	-1P	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	CARBONIZER	TEXTILE	-3P	3	M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-090	WOOL-DRIER TENDER	SLAUGHT / ME	-2P	2	M-34-- I------

582. WASHING, STEAMING, AND SATURATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BAGGER	HOSIERY	-2-	2	L--4-- I------
.887-018	HOSE BEATER	HOSIERY	-1-	1	L-34-- I--4---
.887-022	CHAINER	TEXTILE	-1-	1	V--4-- I--45--
.887-026	LABORER DYE HOUSE	KNIT GOODS	-1-	2	M-34-- I-345--
.887-034	REG TIER, DYEING	TEXTILE	-2-	3	L--4-6 I------
.887-038	SHAKER	HOSIERY	-1-	1	L--4-- I------
.887-042	SIZER	TEXTILE	-2-	3	M-34-- I------
.887-046	STARCHER HAND	GARMENT	-1-	2	L--4-- I------
.887-054	TUBE SEWER	KNIT GOODS	-1P	2	L--4-- I------
.887-058	YARN-CONDITIONING SPRAYER	TEXTILE	-1-	2	M--4-- I------
.887-062	YARN-SOAKER HELPER	TEXTILE	-2-	2	M--4-6 I--45--
.886-014	BLEACHER HELPER	KNIT GOODS	-2-	1	M--4-- I--4---
.886-018	BOIL-OFF-POT-OPERATOR HELPER	TEXTILE	-1P	2	M-34-- I-3----
.886-022	DRUM-PRINTER HELPER	TEXTILE	-1-	2	M--4-6 I------

				PHYS.D	WK COND
			HRP SVP	123456	1234567

582. WASHING, STEAMING, AND SATURATING (CONT.)

.886-026	DYE-HOUSE WORKER	FUR DRESSING	-1-	1	H-34--	I--4---
.886-030	DYE-REEL-OPERATOR HELPER	KNIT GOODS	-2-	2	H-34--	I-345--
.886-034	FIRST-BREAKER FEEDER	CORD / TWINE	-1-	2	M-34--	I------
.886-038	RAW-STOCK-MACHINE LOADER	TEXTILE	-1P	2	H--4--	I--4---
.886-042	SLASHER-TENDER HELPER	TEXTILE	-2P	2	H-34--	I-34---
.886-046	STARCHER MACHINE	GARMENT	-1P	2	L--4--	I------
.886-050	TOP-DYEING-MACHINE LOADER	FELT GOODS T	-2P	2	M-34--	I-34---
.886-054	TUBE HANDLER	TEXTILE	-2P	1	L--4--	I------
.886-058	WARP COILER	CARPET / RUG	-2-	2	M--4--	I--4---
.886-062	YARN-WASHING-AND-BLEACHING-MAC	TEXTILE	-2P	2	M--4--	I---5--
.885-018	BACK WASHER	TEXTILE	-2P	2	H--4--	I------
.885-022	BEAM-DYER OPERATOR	TEXTILE	-2P	3	M-34--	I--4---
.885-034	BOILER-OFF, SKEIN YARN	TEXTILE	-2P	2	L--4--	I------
.885-070	CRAVETTING-MACHINE OPERATOR	LEATHER MFG	-2P	3	M--4--	I------
.885-074	CYLINDER BATCHER	TEXTILE	-1P	3	M--4--	I--4---
.885-078	DAMPENING-MACHINE OPERATOR	GARMENT	-1P	2	L--4--	I------
.885-082	DECATING-MACHINE OPERATOR	GARMENT TEXT	-2P	2	M--4--	I--4---
.885-090	DESULFURIZER MACHINE	SYNTHETIC FI	-2P	3	H--4--	I-----7
.885-094	DEWER	TEXTILE	-2P	2	L--4--	I------
.885-098	DRUM ATTENDANT	LEATHER MFG	-2P	2	M--4--	I--45-7
.885-102	DYE-REEL OPERATOR	KNIT GOODS T	-2P	3	L-34--	I-345--
.885-114	DYER MACHINE	FUR DRESSING	-1P	2	M--4--	I------
.885-118	EXTRACTOR OPERATOR	FELT GOODS	-2P	3	M--4--	I--4---
.885-122	FEATHER WASHER	HOUSE FURN	-1P	2	L--4--	I------
.885-130	FUMIGATOR AND STERILIZER	FURN MATT	-2P	2	V--4--	I----67
.885-134	GARMENT STEAMER	KNIT GOODS	-1P	2	L--4--	I------
.885-146	LIMER	GLUE LEATHER	-2P	3	L234-6	I--4567
.885-154	OPEN-SOAPER TENDER	TEXTILE	-1P	2	M--4--	I--4---
.885-158	PACKAGE-DYEING-MACHINE OPERATO	TEXTILE	-2P	4	M-34--	I--4---
.885-162	PADDING-MACHINE OPERATOR	TEXTILE	-2P	2	L-34-6	I-3456-
.885-166	PATCH WASHER	TEXTILE	-2-	2	L--4--	I--4--7
.885-170	RANDOM DYER	KNIT GOODS	-2P	2	L--4-6	I------
.885-174	RINSING-MACHINE OPERATOR	KNIT GOODS	-2P	2	L--4--	I------
.885-178	ROPE-SILICA-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--	I------
.885-182	ROPE-SOAPING-MACHINE OPERATOR	TEXTILE	-2P	2	M-34--	I--4---
.885-190	SATURATOR TENDER	ROOF MATERIA	-2P	3	L2-4--	I-3-567
.885-194	SCRUBBING-MACHINE OPERATOR	CORD / TWINE	-2P	3	L--4--	I--4---
.885-198	SHEEPSKIN PICKLER	SLAUGHT / ME	-2P	2	M234--	I--4-67
.885-202	SIZING-MACHINE-AND-DRIER OPERA	FELT GOODS	-3P	4	L--4-6	I------
.885-206	SKYING WATCHER	TEXTILE	-2P	2	L2-4--	I-3----
.885-214	SOAKING-MACHINE OPERATOR	KNIT GOODS	-2P	2	M--4--	I------
.885-218	SPOT-DYEING-AND-WINDING-MACHIN	KNIT GOODS	-2P	3	L--4-6	I---5--
.885-226	STAINING-MACHINE OPERATOR	CORD / TWINE	-2P	3	L--4--	I--4---
.885-230	STEAMER OPERATOR	TEXTILE	-2P	2	M--4--	I------
.885-234	STEAMER TENDER	TEXTILE	-2-	2	M--4--	I-34-6-
.885-238	TIN-WHIZ-MACHINE OPERATOR	TEXTILE	-2P	4	M--4--	I--4---
.885-246	WASHER	SYNTHETIC FI	-2P	3	M--4--	I-----7
.885-250	WEIGHTER	KNIT GOODS	-2P	2	M--4--	I------
.885-258	WRINGER	KNIT GOODS	-2P	2	M--4--	I--4---
.885-262	YARN DYER VAT	KNIT GOODS	-2P	3	L--4-6	I------

582. WASHING, STEAMING, AND SATURATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-266	YARN POLER	TEXTILE	-1P	2	L--4-- I------
.884-010	SPOT CLEANER	GARMENT KNIT	-2P	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010	BAG OPENER	TEXTILE	-2P	2	M-34-- I------
.887-030	PAD MAKER	TEXTILE	-2-	3	M--4-6 I------
.887-050	TREATER	ANY IND	-2-	2	M2-4-- I------
.886-010	BACK TENDER	GARMENT KNIT	-2P	2	M--4-- I------
.885-026	BLEACH-RANGE OPERATOR	TEXTILE	-2P	2	M--4-- I--4---
.885-062	CONDITIONER TENDER	TEXTILE	-2P	3	M-34-- I------
.885-066	CRABBER	TEXTILE	-2P	2	M--4-- I--4---
.885-086	DESIZING-MACHINE OPERATOR HEAD	TEXTILE	-2P	3	H--4-- I--4---
.885-126	FULL-DECATOR OPERATOR	TEXTILE	-2P	2	L--4-- I------
.885-138	JIGGER	TEXTILE	-2P	3	L-34-6 I-34---
.885-142	KIER BOILER	KNIT GOODS T	-2P	3	L234-- I--4-67
.885-150	OPEN-DEVELOPER OPERATOR	TEXTILE	-2P	4	L--4-- I--5--
.885-222	SPRAY-MACHINE OPERATOR	TEXTILE	-2P	2	L--4-- I------
.885-254	WOOL-WASHING-MACHINE OPERATOR	KNIT GOODS T	-2P	2	L--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014	AUTOCLAVE OPERATOR	KNIT GOODS	-2-	2	M-34-- I------
.885-038	BOIL-OFF-MACHINE OPERATOR CLOT	TEXTILE	-2P	2	M--4-- I-34---
.885-042	BOIL-OFF-POT OPERATOR	TEXTILE	-2P	4	M-34-- I-3----
.885-050	CLOTH-FINISHING-RANGE OPERATOR	KNIT GOODS T	-2P	2	M--45- I------
.782-038	TANNING-DRUM OPERATOR	LEATHER MFG	-3P	4	H--4-- I--45-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	AGER OPERATOR	TEXTILE	-2P	2	M--4-- I----7
.885-186	SATURATION-EQUIPMENT OPERATOR	LINOLEUM	-2P	4	L--4-6 I-3--67
.885-210	SOAKER HIDES	SLAUGHT / ME	-2P	2	M234-- I--4--7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-030	BLEACHER	KNIT GOODS	-2P	4	M--4-- I--4---
.885-046	CLOTH-FINISHING-RANGE TENDER	TEXTILE	H3P	3	H-34-- I------
.885-054	CLOTH-WASHER OPERATOR	TEXTILE	-2P	2	M-34-- L--4---
.885-058	COLORING-MACHINE OPERATOR	HAT / CAP	-2P	3	L--4-- I------
.885-270	YARN SOAKER	TEXTILE	-3P	3	M-34-6 I--45--
.885-274	YARN-WASHING-AND-BLEACHING-MAC	TEXTILE	-3P	4	L--4-6 I--4---
.782-010	DELIMER	LEATHER MFG	-3P	3	L--4-6 I-----7
.782-018	DYE-RANGE OPERATOR CLOTH	TEXTILE	-3P	4	M--4-- I------
.782-026	PICKLER	LEATHER MFG	-3P	4	L--4-6 I--45-7
.782-034	SPIRAL-DYE-BECK TENDER	TEXTILE	-3P	4	M--4-- I------
.782-042	WARP-SPOOL SLASHER	NARROW FABRI	-2P	5	H--4-- I-34---
.587-010	CHEMICAL-STRENGTH TESTER	TEXTILE	-3-	2	M--4-- I--4---

582. WASHING, STEAMING, AND SATURATING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-110	DYE-TUB OPERATOR	HOSIERY KNIT	-2P	3	M-34-- I--4---
.782-014	DRUM PRINTER	TEXTILE	-3P	5	M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-106	DYE-TANK TENDER	CORD / TWINE	-2P	3	M-34-6 I--4---
.885-242	WARP-DYEING-VAT TENDER	TEXTILE	-3P	4	M--4--- I-34---
.782-022	FINISHING-MACHINE OPERATOR	NARROW FABRI	-3P	4	M--4-- I------
.687-010	SHADE MATCHER	TEXTILE	-2-	3	H-34-6 I------

583. IRONING, PRESSING, GLAZING, STAKING, CALENDERING, AND EMBOSSING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BELT RUBBERIZER	GARMENT	-1-	2	L--4-- I------
.886-010	BEAD-MACHINE OPERATOR	HAT / CAP	-1P	2	L--4-- I------
.886-018	HYDRAULIC-PRESS-OPERATOR HELPE	FELT GOODS	-2-	2	M--4-6 I---5--
.886-022	MANGLE-PRESS CATCHER	KNIT GOODS T	-1-	2	L--4-- I------
.886-026	OUTSOLE FLEXER	BOOT / SHOE	-1-	1	L-34-- I------
.886-030	PILLOWCASE TURNER	TEXTILE	-1-	2	L--4-- I------
.886-034	PRESS FEEDER	GARMENT KNIT	-1-	2	L--4-- I------
.885-014	BRIM CURLER	HAT / CAP	-2P	2	L--4-- I---5--
.885-018	BRIM PRESSER I	HAT / CAP	-2P	2	L--4-- I------
.885-022	BRIM-AND-CROWN PRESSER	HAT / CAP	-2P	2	L--4-6 I---5--
.885-038	COMBINING-MACHINE TENDER	TEXTILE	-2P	2	M--4-- I------
.885-042	CRUSHER-AND-BINDER OPERATOR	CORD / TWINE	-2P	2	L--4-- I------
.885-046	EMBLEM-FUSER OPERATOR	HOSIERY	-1P	2	L--4-- I------
.885-050	EMBOSSER	ANY IND	-2P	3	M--4-- I------
.885-058	EMBOSSING-MACHINE-OPERATOR HEL	PLASTIC MAT	-2P	2	M-34-- I----6-
.885-062	FOLDING-MACHINE OPERATOR	GARMENT	-2P	2	L--4-- I------
.885-066	GREASER OPERATOR	HAT / CAP	-2P	3	L--4-- I------
.885-070	HAT-LINING BLOCKER	HAT / CAP	-2P	2	L--4-6 I------
.885-074	HYDRAULIC-PRESS OPERATOR	FELT GOODS	-2P	2	L-34-- I-----7
.885-078	HYDRAULIC-PRESS OPERATOR	KNIT GOODS	-2P	2	L--4-- I------
.885-094	NARROW-FABRIC CALENDERER	NARROW FABRI	-2P	2	M--4-- I------
.885-102	PRESS OPERATOR	TEXTILE	-2P	4	L--4-- I------
.885-106	PRESSER BUFFING WHEEL	TEX PROD N E	-2P	2	L--4-- I------
.885-110	PRESSING-MACHINE OPERATOR	HOSIERY	-1P	2	S--4-- I------
.885-114	PRESSING-MACHINE OPERATOR	HOSIERY	-1P	2	S--4-- I------
.885-134	STAKER MACHINE	LEATHER MFG	-2P	2	L--4-- I------
.885-138	STRAW-HAT PLUNGER OPERATOR	HAT / CAP	-2P	2	M--4-- I------
.885-150	SWEATBAND-DECORATING-MACHINE-O	HAT / CAP	-2P	2	M--4-- I------
.885-154	TOP STRETCHER	HOSIERY	-2P	2	S--4-- I------
.885-158	TRIMMING-MACHINE OPERATOR	GARMENT KNIT	-2P	2	L--4-- I------
.884-014	WAIST PLEATER	TRIM / STAMP	-2P	5	L--4-- I--4---

PHYS.D WK COND
HRP SVP 123456 1234567

583. IRONING, PRESSING, GLAZING, STAKING, CALENDERING, AND EMBOSSING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010	BREAKER-MACHINE TENDER	TEXTILE	-2P	2	M--4--	I---5--
.885-026	BUFFER MACHINE	LEATHER MFG	-2P	3	L--4--	I---5--
.885-030	CALENDER OPERATOR	FELT GOODS T	-3P	3	M--4--	I------
.885-054	EMBOSSING-MACHINE OPERATOR	ARTIF LEATHE	-3P	4	M-34--	I----6-
.885-082	JACQUARD-TWINE-POLISHER OPERAT	CORD / TWINE	-2P	3	L--4-6	I------
.885-086	LEATHER ETCHER	GARMENT	-2P	3	L--4-6	I------
.885-090	MANGLER	KNIT GOODS	-2P	2	L--4--	I------
.885-098	POUNCING-LATHE OPERATOR	HAT / CAP	-2P	2	L--4-6	I---5--
.885-118	ROLLER-MACHINE OPERATOR	LEATHER MFG	-2P	2	M--4--	I---5--
.885-122	RUBBERIZER MACHINE	GARMENT	-2P	2	L--4--	I-34---
.885-126	SEAM PRESSER	HAT / CAP	-2P	3	L--4-6	I------
.885-130	SHAPER AND PRESSER	GARMENT	-2P	2	L--4--	I------
.885-142	STRAW-HAT PRESSER MACHINE	HAT / CAP	-2P	2	L--4-6	I------
.885-162	VOEKLER-PRESS OPERATOR	TEXTILE	-2P	3	M--4--	I------
.885-166	YARN-POLISHING-MACHINE OPERATO	TEXTILE	-2P	2	M-34--	I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014	GLOVE TURNER AND FORMER AUTOMA	GLOVE / MIT	-1P	2	L--4--	I------
.885-146	STRIP PRESSER	BOOT / SHOE	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-034	CALENDER-MACHINE OPERATOR	ASBESTOS PRO	-3P	3	M--4--	I------
.884-010	PLEATER HAND	TRIM / STAMP	-3P	5	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014	EMBOSSING-PRESS OPERATOR	ARTIF LEATHE	-3P	5	M--4--	I------

584. MERCERIZING, COATING, AND LAMINATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	LEATHER COATER	LEATHER MFG	-1-	1	L--4--	I------
.887-014	SPRAYER HAND	LEATHER MFG	-2-	2	L--4--	I------
.886-010	PLISSE-MACHINE-OPERATOR HELPER	TEXTILE	-2P	2	M-34--	I------
.886-014	YARN-MERCERIZER-OPERATOR HELPE	TEXTILE	-2P	2	M--4--	I-34---
.885-014	CLOTH-MERCERIZER OPERATOR	TEXTILE	-3P	3	M--4--	I------
.885-018	CLOTH-OILER OPERATOR	TEXTILE	-2P	2	L--4--	I------
.885-022	COATING-MACHINE OPERATOR	TEX BAG	-3P	2	M--4--	I------
.885-026	CORD-IMPREGNATING-MACHINE OPER	TEXTILE	-3P	2	M--4-6	I------
.885-030	FLOCKING-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--	I------
.885-034	FOXING PAINTER	RUBBER GOODS	-3P	2	L--4-6	I------
.885-038	GLUE-SPREADING-MACHINE OPERATO	LEATHER PROD	-2P	2	L--4--	I---5--
.885-042	HAT-STOCK LAMINATING MACHINE O	HAT / CAP	-2P	4	H--4-6	I---5--
.885-046	KNIFE-MACHINE OPERATOR	TEXTILE	-3P	4	M--4--	I---5--

584. MERCERIZING, COATING, AND LAMINATING (CONT.)

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-050	MANGLE TENDER	TEXTILE	-3P	2	L--4--	I--4---
.885-054	PAINTING-MACHINE OPERATOR	TEXTILE	-3P	3	M--4--	I------
.885-058	SIZING-MACHINE TENDER	HOSIERY TEXT	-3P	3	L-34--	I---5--
.885-062	TAPING-MACHINE OPERATOR	BUTTON	-2P	2	L--4--	I------
.885-066	TARRING-MACHINE OPERATOR	CORD / TWINE	-3P	3	L--4--	I--4---
.885-070	WAXING-MACHINE OPERATOR FABRIC	TEXTILE	-3P	2	L--4--	I------
.885-074	YARN-MERCERIZER OPERATOR	TEXTILE	-3P	2	L--4-6	I------
.885-078	YARN-MERCERIZER OPERATOR	TEXTILE	-3P	3	M--4--	I--4---
.884-010	SPRAYER	FELT GOODS	-1-	3	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-018	COATING-MACHINE OPERATOR	FIBER RUGS	-3P	5	L-34--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	CALENDER OPERATOR OILCLOTH	ARTIF LEATHE	-3P	3	M--4--	I----6-
.782-014	COATING-MACHINE OPERATOR	ARTIF LEATHE	-3P	5	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010	COATER	TEXTILE	-3P	4	M--4--	I------

585. SINGEING, CUTTING, SHEARING, SHAVING, AND NAPPING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CARPET CUTTER	CARPET / RUG	-1-	3	L--4--	I------
.887-014	STRAIGHTENER AND CUTTER	HOUSE FURN	-2P	1	L--4--	I------
.886-010	RUG-CUTTER HELPER	FIBER RUGS	-2-	2	M-34--	I------
.885-010	BUFFER	HAT / CAP	-2P	3	L--4-6	I------
.885-014	CHINCHILLA-MACHINE OPERATOR	TEXTILE	-3P	2	M--4--	I------
.885-018	CLOTH TRIMMER MACHINE	TEXTILE	-3P	3	H-34--	I------
.885-022	CONCAVING-MACHINE OPERATOR	BOOT / SHOE	-1P	2	L--4--	I---5--
.885-026	CORDUROY-BRUSHER OPERATOR	TEXTILE	-3P	2	M-34--	I-----7
.885-030	CORDUROY-CUTTER OPERATOR	TEXTILE	-3P	3	M-34-6	I-----7
.885-034	CUT-LACE-MACHINE OPERATOR	LEATHER PROD	-3P	3	L--4--	I------
.885-038	ELECTRIFIER OPERATOR	TEXTILE	-3P	3	L--4--	I------
.885-042	FUR-CUTTING-MACHINE OPERATOR	HAT / CAP	-2P	2	L--4--	I---5--
.885-046	GIG TENDER	TEXTILE	-3P	2	L--4--	I------
.885-054	MELLOWING-MACHINE OPERATOR	HAT / CAP	-1P	2	L--4--	I------
.885-066	ROLLING-MACHINE OPERATOR	TEXTILE	-2P	2	L--4-6	I------
.885-070	ROUNDING-MACHINE OPERATOR	HAT / CAP TE	-3P	2	L--4--	I------
.885-082	SHEARING-MACHINE FEEDER	FUR DRESSING	-2P	3	M--4--	I------
.885-086	SHEARING-MACHINE OPERATOR	KNIT GOODS T	-3P	2	H-34--	I------
.885-090	SINGE-MACHINE OPERATOR	HOSIERY	-2P	2	L--4--	I------
.885-094	SINGER	TEXTILE	-2P	3	H--4--	I-----7
.885-098	SKIVER BLOCKERS	BOOT / SHOE	-2P	2	L--4--	I------
.885-102	SPLITTER MACHINE	BOOT / SHOE	-3P	2	L--4--	I---5--

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HRP SVP 123456 1234567

585. SINGEING, CUTTING, SHEARING, SHAVING, AND NAPPING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-106	STRIPRING CUTTER AND WINDER	BOOT / SHOE	-3P	3	M--4--	I------
.885-110	SWEATBAND SEPARATOR	HAT / CAP	-3P	2	L--4--	I------
.885-114	TRIMMER MACHINE	LEATHER MFG	-2P	2	H--4--	I-----7
.884-010	BEAMER	LEATHER MFG	-1-	3	L-34-6	I--456-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-078	SHAVING-MACHINE OPERATOR	FUR DRESSING	-3P	3	M--4--	I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-050	LABEL PINKER	NARROW FABRI	-2P	2	S--4-6	I------
.885-058	NAPPER TENDER	FELT GOODS G	-2P	3	M--4--	I------
.885-062	NAPPER TENDER	HOSIERY	-2P	2	S--4--	I------
.885-074	RUG INSPECTOR	FELT GOODS	-2-	4	L--4--	I------
.884-014	TRIMMER HAND	LEATHER MFG	-1-	2	L--4--	I--4--7
.687-010	BEAMING INSPECTOR	LEATHER MFG	-1-	2	M--4-6	I--45-7
.687-014	PATCHER	LEATHER MFG	-2P	2	L-34-6	I------

586. FELTING AND FULLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	FELT CARBONIZER	FELT GOODS	-2P	3	M------	I--4-67
.886-010	FELTING-MACHINE-OPERATOR HELPE	FELT GOODS	-2-	2	M--4--	I------
.886-014	HAT-FORMING-MACHINE FEEDER	HAT / CAP	-2P	2	L--4--	I-----7
.886-018	MACHINE HELPER	FELT GOODS	-2-	2	M-34--	I-----7
.885-010	CARROTING-MACHINE OPERATOR	HAT / CAP	-2P	2	M--4--	I-----7
.885-014	CONTINUOUS-CRUSHER OPERATOR	TEXTILE	-3P	2	M--4--	I------
.885-018	FELTMAKER AND WEIGHER	FELT GOODS	-2P	3	L--4--	I------
.885-022	GASSER	TEXTILE	-3P	2	L--4-6	I------
.885-026	HARDENING-MACHINE OPERATOR	HAT / CAP	-3P	3	L--4--	I--45--
.885-030	HAT-FORMING-MACHINE OPERATOR	HAT / CAP	-3P	3	M--4--	I--45--
.885-034	SHRINKING-MACHINE OPERATOR	HAT / CAP	-3P	3	L--4--	I--45--
.782-010	FELTING-MACHINE OPERATOR	FELT GOODS	-3P	4	M--4--	I------
.782-018	FULLING-MACHINE OPERATOR	FELT GOODS	-3P	4	M--4--	I---5--
.685-010	TESTING-MACHINE OPERATOR	FELT GOODS	-2P	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-014	FULLER	TEXTILE	-3P	4	M--4--	I------

587. BRUSHING AND SHRINKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CANVAS SHRINKER	GARMENT TEXT	-1-	2	H--4--	I--4---
.886-010	HEBDON-MACHINE-SPONGER HELPER	TEXTILE	-1-	2	H--4--	I---5--

587. BRUSHING AND SHRINKING (CONT.)

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.886-014	SANFORIZING-MACHINE-OPERATOR H	TEXTILE	-2P	2	L-34--	I--4-6-
.886-018	SOCK BOARDER.	HOSIERY	-1-	2	L--4--	I------
.885-010	BINDING-MATERIAL STEAMER	KNIT GOODS	-2P	2	L--4--	I--4---
.885-014	BRUSH OPERATOR	TEXTILE	-2P	2	L--4--	I------
.885-018	BRUSHER MACHINE	HAT / CAP	-2P	2	M--4--	I------
.885-022	CLOTH-SHRINKING-MACHINE OPERAT	GARMENT TEXT	-3P	3	L--4--	I--4---
.885-026	DUSTER	HAT / CAP	-2P	2	L--4--	I------
.885-030	LONDON-SHRINKING-MACHINE OPERA	GARMENT TEXT	-3P	4	H--4--	I--4---
.885-034	SANFORIZING-MACHINE OPERATOR	TEXTILE	-2P	3	L--4--	I--4---
.885-038	SHRINKING-MACHINE OPERATOR	KNIT GOODS	-2P	2	M-34--	I------
.885-042	SOAKER	TEXTILE	-2P	4	M-34--	I------
.885-046	STRIKE-OUT-MACHINE OPERATOR	TEXTILE	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010	AUTOCLAVE OPERATOR	TEXTILE	-3P	4	H--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-010	SANFORIZE TESTER	TEXTILE	-3-	3	L--4--	I------

589. PROCESSING, LEATHER AND TEXTILES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BAGGING SALVAGER	TEXTILE	-1-	1	L--4--	I-----7
.887-014	BOBBIN CUTTER	TEXTILE	-1-	1	S--4--	I------
.887-018	BUNDLE BREAKER	CORD / TWINE	-1-	2	L-34--	I---5-7
.887-022	DIPPER	TEXTILE	-1-	2	M-34--	I------
.887-030	DYER	ARTIF FLOWER	-1-	2	L--4--	I------
.887-034	DYER	HAT / CAP	-1-	2	L--4-6	I------
.887-038	KNOTTER	TEXTILE	-1-	1	L--4--	I------
.887-050	PULLER	TEXTILE	-1-	2	L--4--	I------
.887-054	SAMPLE PREPARER	TEXTILE	-2-	2	S--4-6	I------
.887-058	SHADE-CLOTH FINISHER	WINDOW SHADE	-2-	2	L-----	L------
.887-062	SPREADER	HAT / CAP	-1-	1	M--4--	I--4--7
.887-066	STAINER	LEATHER PROD	-1P	2	L--4-6	I------
.887-070	STIFFENER	HAT / CAP	-2P	3	L--4-6	I--4--7
.887-074	TUBE CLEANER	TEXTILE	-1-	2	L--4--	I------
.886-010	CEMENTER MACHINE APPLICATOR	BOOT / SHOE	-2-	2	L--4--	I------
.886-014	CLOTH FEEDER	TEXTILE	-2P	2	H-34--	I------
.886-018	FEATHER-CURLING-MACHINE OPERAT	HOUSE FURN	-1-	1	M--4--	I------
.886-022	LABORER GENERAL	LEATHER MFG	-3-	2	H--4--	B------
.886-026	OPENER	HAT / CAP	-1-	2	L--4--	I------
.886-030	PACKAGE CRIMPER	TEXTILE	-1-	2	M--4--	I------
.886-038	TAKER-OFF HEMP FIBER	CORD / TWINE	-1-	1	M--4--	I---5-7
.886-042	TOBACCO-CLOTH RECLAIMER	WASTE / BATT	-1-	2	M-34--	I---5-7
.886-046	WASTE-MACHINE OFF-BEARER	WASTE / BATT	-1-	2	M--4-6	I------
.885-010	BLENDING-MACHINE OPERATOR	TEXTILE	-3P	3	M-34--	I---5--

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589. PROCESSING, LEATHER AND TEXTILES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014	BOARDING-MACHINE OPERATOR	HOSIERY	-2P	3	L--4-6	I------
.885-018	BREAKER-UP-MACHINE OPERATOR	HAT / CAP	-2P	2	L--4--	I------
.885-022	BRIM-POUNCING-MACHINE OPERATOR	HAT / CAP	-2P	3	L--4--	I------
.885-026	CLOTH MEASURER MACHINE	GARMENT TEXT	-2P	2	V-34-6	I------
.885-030	CLOTH-SKEINING-REEL OPERATOR	TEXTILE	-3P	4	M-34--	I------
.885-034	COOLER OPERATOR	TEXTILE	-2P	2	M--4--	I------
.885-038	DETACKER	KNIT GOODS T	-2P	2	M-34--	I--4---
.885-042	DRUMMER	HAT / CAP	-2-	2	M--4--	I------
.885-050	DRYING-MACHINE TENDER	GARMENT KNIT	-2P	2	L--4--	I------
.885-054	DUST-BOX TENDER	TEXTILE	-2P	2	L--4--	I------
.885-058	DYER HELPER	HAT / CAP	-2P	2	L--4--	I--4--7
.885-062	FEATHER MIXER	HOUSE FURN	-2P	2	M--4--	I------
.885-066	FEATHER SEPARATOR	HOUSE FURN	-2P	2	L--4--	I---5-7
.885-070	FOLDING-MACHINE OPERATOR	KNIT GOODS T	-2P	2	M--4--	I------
.885-074	FOLDING-MACHINE OPERATOR	TEXTILE	-2P	2	M--4--	I------
.885-078	FUR-FLOOR WORKER	FUR DRESSING	-3P	2	M--4--	I-----7
.885-082	HAIR-BOILER OPERATOR	FUR DRESSING	-1P	2	M--4--	I--4---
.885-090	KAPOK-AND-COTTON-MACHINE OPERA	WASTE / BATT	-2-	2	M--4--	I---5-7
.885-094	LAUNDRY-MACHINE TENDER	HOUSE FURN	-2P	3	M-34-6	I-34---
.885-098	MARKING-MACHINE OPERATOR	TEXTILE	-2P	2	L--4--	I------
.885-102	MEASURING-MACHINE OPERATOR	LEATHER MFG	-2P	2	M--4--	I------
.885-106	PAD-EXTRACTOR TENDER	KNIT GOODS	-3P	3	L--4--	I--4---
.885-110	PLEATER	KNIT GOODS T	-2P	2	M2-4--	I------
.885-114	PULLER-MACHINE	FUR DRESSING	-1P	2	L--4--	I------
.885-118	RENOVATOR-MACHINE OPERATOR	HOUSE FURN	-2-	2	H--4--	I-----7
.885-122	ROLL TURNER	KNIT GOODS	-2P	2	M--4--	I------
.885-126	ROLLING-DOWN-MACHINE OPERATOR	KNIT GOODS T	-2P	2	H-34--	I------
.885-130	ROLLING-MACHINE TENDER	KNIT GOODS	-2P	2	M-34--	I------
.885-134	SCUTCHER TENDER	TEXTILE	-2P	2	M--4--	I------
.885-138	SEASONING MIXER	LEATHER MFG	-2-	3	L--4--	I------
.885-142	SHAKER	HAT / CAP	-2-	2	M--4--	I-----7
.885-146	TANNERY GRINDER	LEATHER MFG	-1P	3	H--4--	I---5--
.885-150	TURNING-MACHINE OPERATOR	TEX BAG	-2P	2	L-34--	I------
.885-154	VACUUM-TANK TENDER	TEXTILE	-2-	2	M--45-	I------
.885-158	WRINGER-MACHINE OPERATOR	FELT GOODS L	-2P	2	M--4--	I--4-67
.885-162	YARN-TEXTURING-MACHINE OPERATO	SYNTHETIC FI	-2P	3	L--4-6	I---5--
.884-014	RAKER BUFFING WHEEL	TEX PROD N E	-2P	2	M--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-046	FABRIC-LAY-OUT WORKER	TEXTILE	-3P	2	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026	DYE-STAND LOADER	TEXTILE	-2P	2	L-34--	I-34-6-
.887-042	LABORER GENERAL	ARTIF LEATHE	-3P	2	H234-6	I------
.782-014	SCOURING-TRAIN OPERATOR	CARPET / RUG	-3P	4	M--4--	I--4---

589. PROCESSING, LEATHER AND TEXTILES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-078	WOOL PULLER	LEATHER MFG	-2-	2	M-34-6	I------
.886-034	RUG-INSPECTOR HELPER	FELT GOODS	-2-	2	H--4--	I---5--
.885-086	HAT FINISHER	HAT / CAP	-2P	4	L--4-6	I------
.884-018	SPECK DYER	TEXTILE	-2-	3	L--4-6	I------
.687-010	CLOTH FOLDER HAND	GARMENT TEXT	-2-	2	L--4--	I------
.687-018	PIECER	TEXTILE	-2-	4	S--4-6	I------
.687-022	RAW-SILK GRADER	TEXTILE	-2-	4	S----6	I------
.685-010	CLOTH SHADER	GARMENT TEXT	-2-	4	L--4-6	I------
.387-014	INSPECTOR AND SORTER	LEATHER MFG	-2-	4	L--4-6	I--4-6-
.387-022	WOOL-AND-PELT GRADER	SLAUGHT / ME	-2-	4	H-34-6	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010	COLOR MIXER	WINDOW SHADE	H3P	3	L--4-6,	I------
.488-010	WEIGHT-YARDAGE CHECKER	TEXTILE	-3-	2	L--4--	I------
.487-010	YARN-WEIGHT-AND-STRENGTH-TESTE	TEXTILE	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-046	DRY CLEANER	KNIT GOODS	-3-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-010	COLOR CHECKER, ROVING OR YARN	TEXTILE	-3-	3	L--4-6	I------
.381-010	COLOR MATCHER	LEATHER MFG	-3-	4	L--4-6	I------

PROCESSING WORK NOT ELSEWHERE CLASSIFIED (590.-599.)

Occupations in this area are concerned with the processing of materials and products not classified under 500.-589. As with other processing occupations, activities include the use of equipment to mix, heat, melt, clean, coat, and dry.

Occupations in this area include all eight combinations of cognitive demands. About half make minimum cognitive demands, and another substantial number make moderate mathematics demands only. Mathematics demands are most often associated with the weighing or measuring of materials such as in following a specified formula for a wax mix. Language demands include following supervisory instructions, requesting assistance when problems occur, reading product specifications, entering production information on records, and labeling product samples for analysis. Perceptual processing demands are associated with activities such as inspecting to verify that alignment defects, cracks, or discolorations are not present.

Psychomotor skill is important for about 70 percent of the occupations for the operation or tending of equipment. Spray, hydraulic press, and rolling equipment are typical units. Auxiliary equipment also imposes psychomotor requirements for some of the occupations, such as with the use of an electric hoist to lead and position materials in a drier. Mechanical skills are sometimes required for minor maintenance. Knowledge of chemical handling procedures is important to a number of occupations, especially those which involve the use of caustic solutions and acids.

Automation is a dominant trend here as in other processing occupations. There are limited entry and career progression opportunities, especially as they relate to support of highly automated line operations.

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590. PROCESSING, ASSORTED MATERIALS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	PLASTIC-JOINT MAKER	BRICK / TILE	-2P	3	H--4--	I-3----
.887-018	RACK LOADER	LINOLEUM	-1-	1	M--4--	I------
.887-022	RUG CUTTER	LINOLEUM	-1-	1	M--4--	I------
.887-026	STOVE-BOTTOM WORKER	LINOLEUM	-2-	2	L--4--	I-3--67
.886-010	COATING-MACHINE-OPERATOR HELPE	LINOLEUM	-2-	2	M----6	I-3-567
.886-018	GUIDER	LINOLEUM	-2P	2	M--4-6	I----6-
.886-022	HOOK LOADER	TOYS / GAMES	-1-	2	L--4--	I------
.885-010	COATING-MACHINE OPERATOR	LINOLEUM	-2P	4	M2---6	I-34567
.885-022	ETCHER PRINTED CIRCUITS	ELECTRONICS	-2P	2	M------	I----6-
.885-030	FIRER	JEWELRY	-2P	3	L--4--	I-3----
.885-034	GRINDER OPERATOR	MATCH	-2P	3	M--4--	I----6-
.885-038	HEEL SPRAYER MACHINE	BOOT / SHOE	-2P	3	L--4-6	I------
.885-050	IRONER	NEEDLE PIN	-2P	2	L--4--	I------
.885-054	JEWELRY COATER	JEWELRY	-2P	2	L--4--	I------

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-058	OVEN OPERATOR	LINOLEUM	-2P	3	L--456 I-3-567
.885-062	PLATE-DRYING-MACHINE OPERATOR	ELEC EQUIP	-2P	2	L--4-6 I------
.885-066	PRESS-MACHINE OPERATOR	LINOLEUM	-2P	2	M--4-6 I------
.782-010	CALENDER OPERATOR	LINOLEUM	-2P	4	L--4-6 I------
.782-022	FASTENER-AUTOMATION-MACHINE OP	NEEDLE PIN	-3P	4	L--4-- I------
.782-050	STOVE-CARRIAGE OPERATOR	LINOLEUM	H2P	4	M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010	LABORER	CANDLE	-2-	2	V-34-- I------
.886-014	COMPOUND FILLER	MATCH	-2-	2	M--4-- I------
.885-018	DIPPER	MATCH	-3P	3	M--4-- I------
.885-026	FIRER	ELECTRONICS	-2P	3	L--4-- I-3--6-
.782-014	COATER ASPHALT	ROOF MATERIA	-3P	4	L--4-- I---567
.782-030	IMPREGNATING-MACHINE OPERATOR	WIREWORK	-3P	4	M--4-- I-3--6-
.782-034	IMPREGNATOR	ELECTRONICS	-3P	4	M--4-- I------
.487-010	COLOR WEIGHER	LINOLEUM	-2-	4	H-34-6 I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-070	ROLL-UP-GUIDER OPERATOR	LINOLEUM	H2P	4	M--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	DIAMOND BLENDER	CUT TOOLS	-3P	4	M--4-- I------
.885-042	IMPREGNATOR ELECTROLTIC CAPACT	ELECTRONICS	-3P	3	M--4-6 I------
.885-078	SPRAY PAINTER MACHINE	WALLBOARD	-3P	2	L--4-- I-----7
.782-042	OPERATOR AUTOMATED PROCESS	ELECTRONICS	-3P	4	M-34-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-090	WINDER OPERATOR	LINOLEUM	H3P	2	H--4-6 I---56-
.782-046	ROLLER BOSS	LINOLEUM	H2P	4	M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-046	IRON-PLASTIC BULLET MAKER	AMMUNITION	-3P	3	H234-- I-3----
.885-082	WAD IMPREGNATOR	AMMUNITION	-3P	2	M--4-- I------
.885-086	WAD LUBRICATOR	AMMUNITION	-3P	2	M2-4-- I------
.782-018	CONTROLS OPERATOR, MOLDED GDS	LINOLEUM	-3P	5	L--456 I-3-5-7
.782-038	MECHANICAL OXIDIZER	LINOLEUM	-3P	5	M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-074	SEALING-MACHINE OPERATOR	ELECTRONICS	-3P	3	M--4-- I-3-5--
.387-010	LINOLEUM INSPECTOR	LINOLEUM	-2-	4	M-34-6 I-3-5-7

599. MISCELLANEOUS PROCESSING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D	WK COND
			HRP SVP	123456	1234567
.887-014	WASHER	ANY IND	-2- 2	M--4--	I--4---
.886-010	MILL-OPERATOR HELPER	ANY IND	-2P 2	M-34--	I---5-7
.886-014	SPRAY-UNIT FEEDER	ANY IND	-1- 2	L--4--	I-----7
.885-010	BLOCK SEALER	AUTO MFG	-1- 2	L--4--	I------
.885-014	BRAN MIXER	IRON / STEEL	-2- 3	H--4--	I-----7
.885-022	CRUSHER TENDER	ANY IND	-2P 3	M--4-6	I---5-7
.885-026	DEFINER	BUTTON	-1- 2	M--4--	I--4---
.885-038	FILTER OPERATOR	ANY IND	-2P 4	H-34--	I--4-6-
.885-042	FILTER WASHER AND PRESSER	DISTILLED LI	-3P 2	L234--	I--4---
.885-046	FILTER-PRESS OPERATOR	ANY IND	-3P 4	L--4--	I--4---
.885-054	FILTRATION HELPER	ANY IND	-2- 2	V--4--	I------
.885-058	IMPREGNATING-TANK OPERATOR	ANY IND	-2P 4	M--4--	I---5--
.885-066	LACQUERER	FABRIC PLAST	-1- 3	M--4--	I-----7
.885-074	OXIDIZED-FINISH PLATER	ANY IND.	-1- 2	M--4--	I------
.885-086	PAINTING-MACHINE OPERATOR	ANY IND	-2P 3	M--4--	I-----7
.885-102	SPRAY-MACHINE TENDER	TINWARE	-2P 4	L2-4--	I---5--
.885-106	SPRAYER MACHINE	LEATHER MFG	-2P 2	M--4--	I-----7
.885-114	TUBBER	JEWELRY	-1- 2	L--4--	I--4---
.885-118	TUBE COATER	FABRIC METAL	-1P 2	L--4--	I-----7
.885-122	TUMBLER	CLOCK / WATC	-1- 2	L--4--	I-----7
.885-126	TUMBLER OPERATOR	ANY IND	-1- 2	M--4--	I------
.885-130	WASHER MACHINE	ANY IND	-2P 2	M--4--	I--4-6-
.883-010	LEAD HANDLER	AMMUNITION	-2P 3	H-34--	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-062	IMPREGNATOR-AND-DRIER HELPER	ELEC EQUIP	-3P 3	M-34-6	I-3--67
.782-014	IMPREGNATOR AND DRIER	ELEC EQUIP	-3P 5	M-3456	I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030	DIPPER	ANY IND	-3P 2	M--4--	I------
.885-034	DIPPER AND BAKER	ANY IND	-3P 2	M--4--	I-3----
.885-070	MILL OPERATOR	ANY IND	-3P 3	M--4--	I---5--
.885-078	PAINT-LINE OPERATOR	TOYS / GAMES	-3P 3	M--4--	I------
.885-090	PLEATING-MACHINE OPERATOR	ANY IND	-3P 4	L--4--	I------
.885-094	POLISHER	BUTTON	-2- 2	H--4--	I--4---
.885-098	SCREENER OPERATOR	ANY IND	-2P 2	H--4--	I---5-7
.885-134	WASHING-MACHINE OPERATOR	ANY IND	-2- 2	M--4--	I--45--
.885-138	WATER TENDER	ANY IND	-3P 4	L--4--	I-----6
.884-010	EQUIPMENT CLEANER HAND	ANY IND	-3- 2	H234--	I--4-67
.782-010	CATHODE-COATER OPERATOR	ELECTRONICS	-3P 3	L--4--	I------
.782-018	PAINT-SPRAYER OPERATOR AUTOMAT	ANY IND	-3P 5	M--4-6	I---5-7
.487-010	CATHODE-COATING INSPECTOR	ELECTRONICS	-3P 3	L--4-6	I------

599. MISCELLANEOUS PROCESSING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 NET WASHER
.885-050 FILTER-PRESS TENDER

RUBBER GOODS -2- 2 L--4-- I------
GLUE MALT LI -2P 3 L234-- I2-4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 STERILIZER
.884-014 SAMPLER

DRUG PREP -2- 3 L--4-- I-3----
COKE PROD -3- 3 M-34-- B---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 BULB CARBONIZER
.885-082 PAINTER TUMBLING BARREL

ELECTRONICS -3P 2 M--4-- I------
ANY IND -3P 3 M--4-6 I-----7

(6.) MACHINE TRADES OCCUPATIONS

(6.) MACHINE TRADES OCCUPATIONS

METAL MACHINING (600.-609.)

Occupations in this area are concerned with the shaping of metal parts or products by removing excess metal by cutting, boring, milling, abrading, and planing. The machining of plastics is included when the methods are the same as for metals.

About a third of the occupations in this area demand minimum cognitive capabilities and another third demand moderate capabilities of all three types. The remaining third are distributed among the other five combinations of cognitive capabilities, but with concentrations demanding moderate mathematics only, a combination of language and mathematics, and a combination of mathematics and perceptual processing. Mathematics demands are associated with activities such as the computation of gear dimensions or of machine settings, calculation of taper from length and end dimensions, and the determination of concentricity using dial gauges and micrometer readings. Language demands include understanding supervisory instructions, reading product specifications, clarification of procedural guidance through discussion, coordination of activities with other workers, and recording of production information. Perceptual processing demands include feeling for excessive or inadequate movement between parts, observing and feeling finished surfaces for irregularities, checking warp with a straight edge, and detecting noises indicative of poor mesh. Additional perceptual processing demands are sometimes associated with identification of alloys through scratch tests or the color of sparks when ferrous alloys are applied to a grinder.

Psychomotor skills are demanded by about 40 percent of the occupations for the operation or tending of machining equipment or the use of hand tools. Knowledge of basic mechanics is useful both for minor maintenance and estimating the nature of motion and force conversions.

Some entry jobs involve routine operation on only one machine. Career progression opportunities include the possibility of moving to higher-skill occupations involving expertise with multiple machines and the ability to determine what machining operations are best to achieve a desired end product.

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HRP SVP 123456 1234567

600: MACHINING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 INSTRUMENT-MAKER HELPER ANY IND -3- 4. L--4-6 I------

			PHYS.D	WK COND
		HRP SVP	123456	1234567

601. TOOLMAKING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 TOOL-DRESSER HELPER	ANY IND	-1-	2	M--4--	I------
.782-010 KNIFE GRINDER	WOODWORKING	-3P	5	M--4-6	I---56-
.782-018 TOOL DRESSER	ANY IND	-2-	5	M--4-6	I------

602. GEAR MACHINING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 GEAR-CUTTING-MACHINE OPERATOR	MACH SHOP	-2-	3	M--4-6	I------
.382-018 GEAR-SORTING-MACHINE OPERATOR	MACH SHOP	-3-	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.382-014 GEAR ROLLER	MACH SHOP	-3-	4	L--456	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 GEAR HOBBER SET-UP OPERATOR	MACH SHOP	-3P	5	M--4--	I------
.782-014 GEAR-GENERATOR SET-UP OPERATOR	MACH SHOP	-3P	5	M--4-6	I------
.782-018 GEAR-GENERATOR SET-UP OPERATOR	MACH SHOP	-3P	5	M--4-6	I------
.782-022 GEAR-LAPPING-MACHINE OPERATOR	MACH SHOP	-3P	5	M--4-6	I------
.782-026 GEAR-MILLING-MACHINE SET-UP OP	MACH SHOP	-3P	5	M--4-6	I------
.782-030 GEAR-SHAPER SET-UP OPERATOR	MACH SHOP	-3P	5	M--4-6	I------
.782-034 GEAR-SHAVER SET-UP OPERATOR	MACH SHOP	-3P	5	M--4-6	I------
.782-038 GRINDER GEAR	MACH SHOP	-3P	5	M--4-6	I------

603. ABRADING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SHEAR-GRINDER-OPERATOR HELPER	TEXTILE	-2P	2	H-34--	I------
.885-026 BEVEL POLISHER	CLOCK / WATC	-2P	2	L--45-	I------
.885-038 BOTTOM POLISHER	ELEC EQUIP	-2-	2	L-34-6	I---5--
.885-042 BRUSH POLISHER	CLOCK / WATC	-2-	3	S--4--	I------
.885-054 BURNISHING-MACHINE OPERATOR	CLOCK / WATC	-2P	2	L--4--	I------
.885-058 BURNISHING-PRESS OPERATOR	CLOCK / WATC	-2-	2	L--4--	I------
.885-062 BURRER MACHINE	CLOCK / WATC	-2P	2	L--4--	I------
.885-066 DEBURRER	NEEDLE PIN	-2-	2	L--4-6	I------
.885-082 KNIFE AND SPUR GRINDER	EXCELSIOR	-2P	3	L--4--	I------
.885-090 KNIFE GLAZER	SILVERWARE	-2-	2	L--4--	I---5--
.885-102 SNAILER	CLOCK / WATC	-2-	2	L--4--	I------
.885-106 STONER AND POLISHER BEVEL FACE	CLOCK / WATC	-2-	3	L--4--	I------
.782-010 BARREL POLISHER INSIDE	FIREARMS	-3P	4	M--4-6	I--4---

603. ABRADING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	BEARINGNIZER	AUTO MFG	-2-	2	H-34--	I------
.885-050	BURNISHER	CLOCK / WATC	-2-	2	L--4--	I------
.885-074	GRINDER OPERATOR AUTOMATIC	CUT TOOLS	-2-	2	S--4-6	I------
.885-098	SHOT-GRINDER OPERATOR	AMMUNITION	-2-	2	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010	POLISHING-MACHINE-OPERATOR HEL	ANY IND	-2-	2	M--4--	I--4---
.885-010	BAND-REAMER-MACHINE OPERATOR	NONFER METAL	-2-	3	M--4--	I------
.885-022	BEVEL POLISHER	CLOCK / WATC	-2P	3	L--4-6	I------
.885-034	BIT-SHARPENER OPERATOR	MINING / QUA	-3P	4	M--4-6	I-3----
.885-046	BUFFING-MACHINE TENDER	ANY IND	-2-	2	L--4--	I---5-7
.885-086	KNIFE FILER	SUGAR	-2P	3	L--4--	I------
.885-110	TOOL GRINDER	ANY IND	-2-	3	M--4-6	I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	BARREL LAPPER	FIREARMS	-2-	2	M--4--	I--4---
.885-078	GRINDER OPERATOR PRODUCTION	MACH SHOP	-2-	3	M--4-6	I------
.885-094	LAPPING-MACHINE OPERATOR PRODU	MACH SHOP	-2-	3	M--4-6	I------
.782-034	GRINDER	CLOCK / WATC	-3P	5	L--4--	I------
.782-054	HONING-MACHINE OPERATOR PRODUC	MACH SHOP	-3P	4	M--4-6	I------
.782-078	NICKING-MACHINE OPERATOR	CUT TOOLS	-3P	5	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-014	BLANCHARD-GRINDER SET-UP-OPERA	MACH SHOP	-3-	4	M--4-6	I------
.782-022	BUFFING-MACHINE OPERATOR SILVE	SILVERWARE	-3-	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030	BIT SHARPENER	WOODWORKING	-2P	3	M--4-6	I---56-
.885-070	FLAT POLISHER	CLOCK / WATC	-2P	4	L--4--	I------
.782-018	BUFFING-MACHINE OPERATOR	ANY IND	-3-	4	L--4--	I---5-7
.782-026	CONTACT-LENS-MOLD FINISHER	OPTICAL GOOD	-3P	4	S--4-6	I------
.782-038	GRINDER SET-UP OPERATOR INTERN	MACH SHOP	-3P	4	M--4-6	I------
.782-042	GRINDER SET-UP-OPERATOR CENTER	MACH SHOP	-3P	4	M--4-6	I------
.782-046	GRINDER SET-UP-OPERATOR EXTERN	MACH SHOP	-3P	4	M--4-6	I------
.782-050	GRINDER SET-UP-OPERATOR SURFAC	MACH SHOP	-3P	4	M--4-6	I------
.782-058	HONING-MACHINE SET-UP OPERATOR	MACH SHOP	-3P	5	M--4-6	I------
.782-066	LAPPING-MACHINE SET-UP OPERATO	MACH SHOP	-3P	5	M--4-6	I------
.782-070	LINTER-SAW SHARPENER	OILS / FATS	-3P	4	S--4-6	I------
.782-074	MIRROR-FINISHING-MACHINE OPERA	SILVERWARE	-3P	4	L--4--	I---5--
.782-082	POLISHING-MACHINE OPERATOR	ANY IND	-3P	4	M--4--	I--4---

604. TURNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D	WK COND
				HRP SVP	123456 1234567
.886-010	THREADING-MACHINE FEEDER AUTOM	MACH SHOP	-2- 1	H-34--	I--4---
.886-014	WIRE THREADER	CLOCK / WATC	-1- 2	L--4--	I------
.885-010	CUP-TRIMMING-MACHINE OPERATOR	AMMUNITION	-2- 2	L--4--	I---5--
.885-026	KNURLING-MACHINE OPERATOR	AMMUNITION	-2- 4	M--4-6	I--4---
.885-046	TAPPER I	CLOCK / WATC	-1P 3	L--4--	I------
.885-050	THREADING-MACHINE OPERATOR	AMMUNITION	-2- 4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	GRINDER LAP	CLOCK / WATC	-2- 3	L--4--	I------
.782-010	FOX-LATHE OPERATOR	CLOCK / WATC	-2P 5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-014	PROFILER BALANCE-WHEEL INSIDE	CLOCK / WATC	-2P 4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-034	LATHE OPERATOR PRODUCTION	MACH SHOP	-3- 3	M--4-6	I------
.885-042	SCREW-MACHINE OPERATOR PRODUCT	MACH SHOP	-3- 3	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014	FACING-MACHINE OPERATOR	CLOCK / WATC	-2P 3	L--4--	I------
.885-038	RIM-TURNING FINISHER	CLOCK / WATC	-3P 3	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-022	KNURLING-MACHINE OPERATOR	PEN / PENCIL	-2- 3	M--4-6	I---5--
.885-030	LAP-TRUING-MACHINE OPERATOR	OPTICAL GOOD	-3- 3	L--4-6	I------

605. MILLING AND PLANING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018	FILE CUTTER	CUT TOOLS	-2P 4	L--4-6	I------
.885-038	PINION CUTTER	CLOCK / WATC	-1- 4	S--4--	I------
.782-050	ROUTER OPERATOR RADIAL	AIRCRAFT MFG	-3P 4	L--4--	I------
.782-054	SCALPER OPERATOR	NONFER METAL	-3P 5	M--4--	I----6-
.782-062	STEEL-WOOL-MACHINE OPERATOR AU	ABRASIVE / P	-2P 5	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010	BALANCE RECESSER	CLOCK / WATC	-2- 3	L--4--	I------
.885-022	HOOKING-MACHINE OPERATOR	CLOCK / WATC	-2P 3	L--4--	I------
.885-030	LEVER MILLER	CLOCK / WATC	-2- 2	S--4--	I------
.885-034	MILLING-MACHINE OPERATOR PRODU	MACH SHOP	-3- 3	M--4-6	I------

605. MILLING AND PLANING (CONT.)

.885-042	PLANING-MACHINE OPERATOR	CLOCK / WATC	-2-	3	S--4--	I------
.885-046	PROFILING-MACHINE OPERATOR	CLOCK / WATC	-2-	2	S--4--	I------
.885-054	SQUARING-MACHINE OPERATOR	CLOCK / WATC	-2-	2	L--4-6	I------
.885-070	TOOTH HOBBER	CLOCK / WATC	-2-	3	L--4--	I------
.782-074	WHEEL CUTTER	CLOCK / WATC	-2P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010	BARREL-RIB MATTER	FIREARMS	-3P	4	M--4--	I--4---
.782-022	ENGRAVER TIRE MOLD	MACH SHOP	-3P	5	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014	BROACHING-MACHINE OPERATOR PRO	MACH SHOP	-3-	4	M--4-6	I------
.782-030	MILLING-MACHINE SET-UP OPERATO	MACH SHOP	-3-	5	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014	BARREL RIFLER	FIREARMS	-3P	4	L--4-6	I--4-6-
.885-026	JEWEL STRIPPER	CLOCK / WATC	-2-	2	S--4-6	-------
.885-050	SCRIBING-MACHINE OPERATOR	CUT TOOLS	-2-	2	S--4--	I------
.885-058	TOOTH CUTTER CLUTCH	CLOCK / WATC	-3-	3	L--4-6	I------
.885-062	TOOTH CUTTER PINIONS	CLOCK / WATC	-3-	4	S--4-6	I------
.885-066	TOOTH CUTTER SPUR	CLOCK / WATC	-3-	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-042	PROFILING-MACHINE SET-UP OPERA	MACH SHOP	-2P	5	M--4-6	I------
.782-070	TOOTH CUTTER ESCAPE WHEEL	CLOCK / WATC	-3-	4	L--4-6	I------

606. BORING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-030	CHOKE REAMER	FIREARMS	-2-	3	L--4--	I--4---
.885-038	DOUBLE-REAMER OPERATOR	NONFER METAL	-1-	3	M--4--	I------
.885-042	DRILLING-MACHINE OPERATOR AUTO	CLOCK / WATC	-2-	2	L--4--	I------
.885-046	REAMER	CLOCK / WATC	-2-	3	S--4--	I------
.782-030	DRILLER-AND-REAMER AUTOMATIC	MUSICAL INST	-2P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014	BORING-MACHINE OPERATOR	CLOCK / WATC	-2-	3	S--4--	I------
.885-018	BORING-MACHINE OPERATOR PRODUC	MACH SHOP	-3-	2	M--4-6	I------
.885-034	COUNTERBORER	CLOCK / WATC	-2P	3	M--4-6	I------
.885-050	TAPPING-MACHINE OPERATOR AUTOM	CLOCK / WATC	-2-	2	L--4-6	I------
.782-018	DRILL-PRESS OPERATOR PRODUCTIO	MACH SHOP	-3P	4	M--4--	I------
.782-042	TAPPER OPERATOR	NUT / BOLT	-2-	5	H--4--	I---5--

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606. BORING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BALANCE-WHEEL-SCREW-HOLE DRILL CLOCK / WATC -3P 3 L--4-6 I------
.885-026 CHAMFERING-MACHINE OPERATOR AMMUNITION -1- 2 L----6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 CHAMFERING-MACHINE OPERATOR AMMUNITION -3- 3 L--4-- I---5--
.782-022 DRILL-PRESS OPERATOR TAPE CONT MACH SHOP -3- 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-034 JIG BORER TAPE CONTROL MACH SHOP -3- 5 M--4-- I---5--

607. SAWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 MAGNESIUM-MILL OPERATOR NONFER METAL -2- 2 M--4-- I----6-
.885-010 SCREW SLOTTER CLOCK / WATC -1- 2 L--4-- I------
.782-018 PROFILE TRIMMER SILVERWARE -2P 4 L--4-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 CUT-OFF-SAW OPERATOR METAL MACH SHOP -3P 4 M--4-- I------
.782-022 SAW OPERATOR AIRCRAFT -3P 5 M--4-- I---56-

609. METAL MACHINING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 LABORER GENERAL MACH SHOP -2- 2 H-34-- I------
.782-022 CROOK OPERATOR MUSICAL INST -2P 4 S--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 ENGRAVER AUTOMATIC CLOCK / WATC -2- 2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 FEEDER MULTI-PURPOSE MACHINE TYPEWRITERS -2- 2 S--4-- I------
.885-018 MILLISKEENER CLOCK / WATC -2- 3 S--4-- I------
.885-034 TURRET-LATHE OPERATOR TUMBLE T CLOCK / WATC -2- 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-022 PRODUCTION-MACHINE OPERATOR MACH SHOP -2- 3 M--4-6 I------
.782-018 COLLET MAKER CLOCK / WATC -2P 5 L--4-6 I------

609. METAL MACHINING, N.E.C. (CONT.)

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.782-026	ELECTRICAL-DISCHARGE-MACHINE O	MACH SHOP	-3-	4	M--4-6	I------
.782-038	MACHINE OPERATOR CENTRIFUGAL-C	ELEC EQUIP	-3-	4	L--4-6	I------
.782-046	SCREWMAKER AUTOMATIC	CLOCK / WATC	-2-	5	L--4-6	I------
.782-050	STRAIGHT-PIN-MAKING-MACHINE OP	NEEDLE PIN	-3-	5	H-34-6	I---56-
.782-054	TAPE-CONTROL MACHINE OPERATOR	MACH SHOP	-3-	5	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-030	TRIM-MACHINE OPERATOR	AMMUNITION	-3-	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-026	TRANSFER-MACHINE OPERATOR	MACH SHOP	-3-	3	M--4--	I------
.782-042	MULTI-PURPOSE MACHINE OPERATOR	MACH SHOP	-3-	4	M--4--	I---5--
.684-010	INSPECTOR GENERAL	ANY IND	-3-	2	M--4-6	I------
.587-010	BALL SORTER	MACH MFG	-3-	2	M--4--	I------
.484-010	INSPECTOR COLD WORKING	FIREARMS	-3-	4	M--4--	I------
.382-010	INSPECTOR MAGNETIC	MACH SHOP	-3-	3	M--4-6	I------
.381-014	PROPELLER INSPECTOR	SHIP / BOAT	-3-	5	L--4-6	B------

METAL WORKING NOT ELSEWHERE CLASSIFIED (610.-619.)

Occupations in this area are concerned with shaping and conditioning metal by rolling, forging, extruding, drawing out, punching, blanking, bending, and press working. The metal is frequently worked while heated to a plastic state.

Occupations in this area involve all eight combinations of cognitive capabilities. More than 40 percent of them demand only minimum cognitive capabilities. There are also substantial concentrations of occupations which demand moderate mathematics capabilities only, perceptual processing only, combined mathematics and perceptual processing, and all three cognitive capabilities combined. Mathematics demands are generally associated with dimensional specifications of products and verification of dimensions through the use of micrometers, unit weight charts, fixed gauges, and master templates. Demands for perceptual processing derive from the performance of activities such as detecting holes, burrs, cracks, or other defects; reshaping and polishing punches and dies to maintain specified contour; and verifying conformance of shapes to drawings. Language requirements are associated with interpretation of product specifications, verbal communications with supervisor and fellow workers, and recording production information.

Psychomotor skills are required for more than a third of the occupations for operational control or tending of machines. Knowledge of fundamental mechanical concepts is important for about one-fourth of the occupations for adjustment and maintenance of equipment.

Computer control of machines is a major trend in this area, especially in the larger-scale operations. Yet the area remains a relatively labor-intensive field with entry and career growth opportunities.

		PHYS.D	WK	COND
		HRP	SVP	123456 1234567

610. HAMMER FORGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BLACKSMITH HELPER — FORGING -2P 5 M-34-- I-3-5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 SPRING SALVAGE WORKER — SPRING -2- 4 M--4-6 I-3-5--

611. PRESS FORGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 HYDRAULIC OPERATOR — NONFER METAL -2- 3 M--4-- I------

611. PRESS FORGING

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.782-014 ROLLER-MACHINE OPERATOR — SPRING -2- 4 M--4-- I-3-5--
.782-018 STEEL-SHOT-HEADER OPERATOR — AMMUNITION -3P 4 M--4-6 I--45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.885-010 FORGING-PRESS OPERATOR — FORGING -2- 2 H--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	MINIMUM

.782-022 UPSETTER — FORGING -3P 5 H--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	**MODERATE**

.782-010 FORGING-PRESS OPERATOR — FORGING -2P 5 H--4-6 I-3-5--

612. FORGING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HEAVY-FORGER HELPER — FORGING -2- 3 H--4-6 I-3-5--
.885-010 LEVEL TENDER — FORGING -2- 4 M--4-6 I-3-5--
.782-026 MANIPULATOR OPERATOR — FORGING -2P 5 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.885-014 SPRING TESTER — SPRING -3P 2 M--4-- I---5--
.782-014 BUCKSHOT-SWAGE OPERATOR — AMMUNITION -3- 4 H-34-- I----6-
.782-030 NUT FORMER — NUT / BOLT -2- 5 H--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	**MODERATE**

.886-010 SPIKE-MACHINE FEEDER — NAIL -2- 2 M-34-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	**MODERATE**

.782-022 HEADER-MACHINE OPERATOR — FORGING -3- 4 H--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	**MODERATE**

.782-018 FORGING-ROLL OPERATOR — FORGING -3- 4 H--4-6 I-3-5--

613. SHEET AND BAR ROLLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LINER ASSEMBLER — NONFER METAL -2- 3 M-34-- I----6-

613. SHEET AND BAR ROLLING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.887-014	PLUGGER	IRON / STEEL	-2P	2	M--4-- I------
.886-010	CATCHER	IRON / STEEL	-1P	2	M--4-- I-3-56-
.885-022	PIERCING-MILL OPERATOR	IRON / STEEL	-2P	3	M--4-- I------
.885-034	TUBING-MACHINE OPERATOR	IRON / STEEL	-2-	4	M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010	BED OPERATOR	IRON / STEEL	-2-	4	M--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-046	ROLLER	JEWELRY	-2-	4	L--4-6 I---5--
.782-082	STRIP ROLLER	SPRING	-3P	4	M--4-- I--4---
.687-010	MILL HAND PLATE MILL	IRON / STEEL	-2-	4	M--4-- I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014	COILER	IRON / STEEL	-2P	3	M--4-6 I------
.885-026	ROLLER-LEVELER OPERATOR	IRON / STEEL	-2-	4	M--4-- I----6-
.782-078	STRAIGHTENING-ROLL OPERATOR	ANY IND	-2P	5	H-3456 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-038	PIERCING-MACHINE OPERATOR	NONFER METAL	-3-	5	M--4-6 I-3----
.782-070	SCREWDOWN OPERATOR	IRON / STEEL	-3-	5	M--4-6 I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-030	ROLLING-MILL OPERATOR HELPER	NONFER METAL	-3P	4	M-34-- I---5--
.782-042	REELING-MACHINE OPERATOR	IRON / STEEL	-3P	5	M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-034	MILL OPERATOR ROLLS	ANY IND	-3-	4	M-34-- I---56-

614. EXTRUDING AND DRAWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	DRAW-BENCH-OPERATOR HELPER	NONFER METAL	-2-	2	H--4-- I------
.886-018	LEAD-PRESS-OPERATOR HELPER	RUBBER GOODS	-2P	2	H-34-- I----67
.885-022	REDUCING-MACHINE OPERATOR	OPTICAL GOOD	-1-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014	WIRE CHARGER	ELEC EQUIP	-2-	2	H--4-- I------

614. EXTRUDING AND DRAWING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.885-026	WIRE-DRAWING-MACHINE TENDER	WIRE	-2P	3	M--4--	I------
.782-030	LEAD-PRESS OPERATOR	RUBBER GOODS	-3-	4	M--4--	I---67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.886-022	TESTER-OPERATOR HELPER	NONFER METAL	-2-	2	V--4--	I------
.885-014	EXTRUDING-PRESS OPERATOR	AMMUNITION	-2-	2	H-34--	I-3----
.885-018	EXTRUSION-PRESS OPERATOR	ELEC EQUIP	-2-	3	M--4--	I------
.884-010	TESTER-OPERATOR	NONFER METAL	-2P	3	V-34-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	MINIMUM

.782-026	FANCY-WIRE DRAWER	JEWELRY	-2-	4	L--4--	I------
.782-038	WIRE DRAWER	CLOCK / WATC	-3P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	**MODERATE**

.885-010	DIE HOLDER	FORGING	-3-	4	M--4-6	I-3----
.782-014	DRAW-BENCH OPERATOR	IRON / STEEL	-3P	4	H--4-6	I------
.782-022	EXTRUSION-PRESS OPERATOR	ELEC EQUIP	-3-	5	M--4--	I------
.782-034	TUBE DRAWER	IRON / STEEL	-3-	4	M--4-6	I------

615. PUNCHING AND SHEARING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	TIN STACKER	TINWARE	-1-	1	M--4--	I------
.886-010	HOOP-PUNCH-OPERATOR HELPER	COOPERAGE	-2-	2	M--4--	I------
.885-010	CLEARANCE CUTTER	CLOCK / WATC	-1-	2	S--4--	I------
.885-014	CUT-OFF-MACHINE OPERATOR	AMMUNITION	-3-	2	M--4--	I------
.885-022	SHEAR OPERATOR	ANY IND	-2-	3	H--4--	I---567
.885-026	STRIP-METAL-PUNCH-AND-STRAIGHT	WOOD BOX	-2-	3	M--4--	I------
.782-042	PUNCH-PRESS OPERATOR AUTOMATIC	ANY IND	-2P	5	H--4-6	I---56-
.782-054	SHEAR OPERATOR AUTOMATIC	ANY IND	-3P	4	M--4-6	I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030	TURRET-PUNCH-PRESS OPERATOR TA	ANY IND	-2-	3	H--4-6	I---56-
.782-022	FLYING-SHEAR OPERATOR	IRON / STEEL	-3P	5	M--45-	I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.782-010	ANGLE-SHEAR OPERATOR	ANY IND	-2-	4	H--4-6	I---567
.782-046	ROTARY-SHEAR OPERATOR	ANY IND	-2P	4	H-34--	I---56-

615. PUNCHING AND SHEARING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.782-014	BURRING-MACHINE OPERATOR	NUT / BOLT	-2-	4	L--4--	I------
.782-026	HOOP-PUNCH OPERATOR	COOPERAGE	-2P	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018	NIBBLER OPERATOR	ANY IND	-3P	3	M--4--	I---56-
.782-062	TURRET-PUNCH-PRESS OPERATOR	ANY IND	-3-	5	H-34-6	I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-030	IRONWORKER-MACHINE OPERATOR	ANY IND	-3-	4	M-34--	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018	DUPLICATOR-PUNCH OPERATOR	ANY IND	-3-	5	H-34-6	I---56-
.782-034	PUNCH-PRESS OPERATOR	ANY IND	-3P	5	H--4-6	I---56-
.782-038	PUNCH-PRESS OPERATOR	ANY IND	-3P	4	H--4-6	I---567
.782-050	SHEAR OPERATOR	ANY IND	-3P	4	H--4-6	I---567
.782-058	SLITTING-MACHINE OPERATOR	ANY IND	-3P	5	M--4--	I---56-

616. FABRICATING MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	STRANDING-MACHINE-OPERATOR HEL	WIREWORK	-1-	2	M--4--	I------
.887-014	WIRE-WEAVER HELPER	WIREWORK	-2-	2	H-34-6	I---5--
.885-014	BENCH-LOOM WEAVER	WIREWORK	-1P	3	L--4--	I------
.885-018	CHAIN-FORMING-MACHINE OPERATOR	FORGING	-2-	4	M--4--	I------
.885-022	CLINCHING-MACHINE OPERATOR	ELEC EQUIP	-1-	2	L--4-6	I------
.885-026	COIL ASSEMBLER MACHINE	MATT / BEDSP	-3P	4	M--4--	I---5--
.885-038	HEDDLE-MACHINE OPERATOR	MACH MFG	-2-	3	M--4--	I------
.885-042	METAL-SPONGE-MAKING-MACHINE OP	NONFER METAL	-2-	3	M--4--	I------
.885-046	MULTI-OPERATION FORMING-MACHIN	ANY IND	-3-	2	M--4--	I---5--
.885-050	PAPERBACK-MACHINE OPERATOR	WIREWORK	-3-	3	L--4--	I---5--
.885-054	POCKET-MACHINE OPERATOR	MATT / BEDSP	-3-	3	L--4--	I------
.885-058	RIVETER	LIGHT FIX	-1-	2	L--4--	I---5--
.885-062	RIVETING-MACHINE OPERATOR	FURN	-2P	2	M--4--	I---5--
.885-066	SCROLL-MACHINE OPERATOR	STRUCT / ORN	-2-	2	M--4--	I---5--
.885-074	SLAT TWISTER	MATT / BEDSP	-2-	2	M--4--	I------
.885-082	SPIRAL WEAVER	WIREWORK	-3-	3	L--4--	I---5--
.885-090	SWAGER OPERATOR	PEN / PENCIL	-1-	2	L--4-6	I---5--
.885-094	SWEEP-PRESS OPERATOR	CLOCK / WATC	-1-	2	L--4--	I------
.885-098	TENSIONING-MACHINE OPERATOR	CONC PROD	-3P	2	L--4--	O------
.885-110	ZIPPER CUTTER	NEEDLE PIN	-2-	2	L--4--	I------
.782-010	ARBOR-PRESS OPERATOR	ANY IND	-2-	4	M--4--	I------
.782-014	BALE-TIE-MACHINE OPERATOR	WIREWORK	-3-	4	M--4--	I---5--
.782-018	BARBED-WIRE-MACHINE OPERATOR	WIREWORK	-2P	5	M-34--	I---56-

616. FABRICATING MACHINE WORK (CONT.)

.782-022	CAGE MAKER MACHINE	CONC PROD	-3P	4	L-34--	I------
.782-038	KICK-PRESS OPERATOR	ANY IND	-3-	4	L--4-6	I---6-
.782-042	NAIL-ASSEMBLY-MACHINE OPERATOR	NAIL	-2-	4	M--4--	I------
.782-050	STRANDING-MACHINE OPERATOR	ELEC EQUIP I	-3-	5	M-34--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-034	FENCE-MAKING MACHINE OPERATOR	WIREWORK	-3P	4	L--4-6	I---5--
.782-054	HYDRAULIC PRESS OPERATOR	CONST	H3-	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010	BENCH WORKER	SPRING	-3P	3	L--4--	I---5--
.780-018	SHOTGUN-SHELL-ASSEMBLY-MACHINE	AMMUNITION	-3-	4	L-3456	I---56-
.685-014	LOAD TESTER	SPRING	-2-	3	M--4--	I---5--
.484-010	TRUER	SPRING	-3P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-030	FABRIC-MACHINE OPERATOR	MATT./ BEDSP	-2P	3	L--4--	I------
.885-034	FILAMENT MAKER	ELECTRONICS	-2-	2	S--4-6	I------
.885-078	SPIRAL SPRING WINDER	SPRING	-2-	2	L--4-6	I------
.885-106	WIRE-SCREEN WEAVER MACHINE	WIREWORK	-2-	3	L--4--	I---5--
.780-030	TRIM-MACHINE ADJUSTER	AMMUNITION	-3-	3	M--4-6	I---6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-086	SPRING COILER	SPRING	-2-	3	L--4--	I---5--
.782-026	CRIMPING-MACHINE OPERATOR	ANY IND	-2-	5	L--4--	I------
.780-022	SPADE-WINDING-MACHINE ADJUSTER	ELECTRONICS	-3-	3	L-3456	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-070	SIDE-SEAM TENDER	TINWARE	-3-	3	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-046	SAFETY-PIN-ASSEMBLING-MACHINE	NEEDLE PIN	-3-	5	H-34-6	I---56-
.685-010	CHAIN-TESTING-MACHINE OPERATOR	FORGING	-2-	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-102	WIRE COINER	NEEDLE PIN	-3-	3	M--4-6	I------
.780-014	NAIL-MAKING-MACHINE SETTER	NAIL	-3-	4	M-34--	I---56-
.780-026	STRAIGHT-LINE-PRESS SETTER	AMMUNITION	H3P	4	M-34-6	I---5--

617. METAL FORMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.886-010	HOOP COILER	COOPERAGE	-1-	2	M--4--	I------
.885-010	BELLING-MACHINE OPERATOR	IRON / STEEL	-2-	3	M--4--	I------
.885-014	BENDING-MACHINE OPERATOR	ANY IND	-2-	3	M--4--	I------
.885-018	CORNER FORMER	WOOD BOX	-1P	3	L--4--	I------
.885-022	HALF-HEAD AND STAMP-PRESS OPER	AMMUNITION	-2-	2	L--4--	I---5--
.885-038	POWER-PRESS TENDER	ANY IND	-1-	3	L--4--	I------
.885-042	PUNCH-PRESS OPERATOR	ANY IND	-1-	3	H--4--	I--456-
.885-046	RIPPER	FURN	-1-	2	L--4--	I------
.885-058	SWAGER AND PIERCER	CLOCK / WATC	-1-	3	L--4--	I------
.885-066	TRIMMING-PRESS OPERATOR	FORGING	-1-	2	H--4--	I-3-56-
.782-014	BEADING-MACHINE OPERATOR	ANY IND	-2P	5	H--4-6	I---5--
.782-046	SPRING FORMER MACHINE	SPRING	-2-	4	M--45-	--3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-026	KNITTER WIRE MESH	WIREWORK	-3P	2	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-030	KNURLING-MACHINE OPERATOR	NEEDLE PIN	-2-	3	L--4--	I---5--
.885-050	ROLL-FORMING-MACHINE OPERATOR	ANY IND	-3-	2	M--4--	I--456-
.782-010	BARREL-DE-DENTING-MACHINE OPER	MALT LIQUORS	-3-	4	M--4--	I------
.782-038	HOBBING-PRESS OPERATOR	ANY IND	-3-	4	L--4-6	I------
.782-054	TUBE BENDER BRASS-WIND INSTRUM	MUSICAL INST	-2-	4	M--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-026	EMBOSSING-MACHINE OPERATOR	NONFER METAL	-3-	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-034	NAIL-MAKING-MACHINE TENDER	NAIL	-2-	2	M-34--	I---5--
.885-054	SINTERING-PRESS OPERATOR	IRON / STEEL	-2-	2	L--4--	I------
.885-062	SWAGING-MACHINE OPERATOR	AMMUNITION	-3-	2	M-34--	I---5--
.782-018	BENDING-MACHINE OPERATOR	ANY IND	-3-	5	M--4--	I---5--
.782-022	BUMPER OPERATOR	AIRCRAFT MFG	-3P	5	M--4--	I------
.782-030	FORMING-ROLL OPERATOR	ANY IND	-3-	5	H--4-6	I---5--
.782-042	ROLL-FORMING-MACHINE OPERATOR	ANY IND	-3P	5	M--4-6	I---56-
.782-050	STRAIGHTENING-PRESS OPERATOR	ANY IND	-3-	5	M-3456	I---56-
.780-010	KICK PRESS SETTER	BUTTON	-3-	2	L--4-6	I------
.780-014	SWAGING-MACHINE ADJUSTER	AMMUNITION	H3-	2	M-34-6	I---5--

619. MISCELLANEOUS METALWORKING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	COIL BINDER	NONFER METAL	-1P	2	L--4--	I---5--
.887-018	PITCH FILLER	ANY IND	-2P	2	M--4--	I------

619. MISCELLANEOUS METALWORKING, N.E.C. (CONT.)

.886-010	AUTOMATIC STACKER	TINWARE	-1-	2	M--4--	I---5--
.886-014	BOILER-SHOP HELPER	BOILERMAKING	-2-	2	H-34--	I---56-
.886-018	FORGE HELPER	FORGING	-2-	2	H-34--	I-3-56-
.886-022	HOOP-MAKER HELPER MACHINE	COOPERAGE	-2-	2	M--4--	I------
.886-026	HOPPER FEEDER	AMMUNITION	-1-	2	V2-4--	I---56-
.886-030	MACHINE FEEDER	ELEC EQUIP	-1-	1	L--4--	I------
.886-034	MACHINE FEEDER	ANY IND	-2-	1	M--4--	I---56-
.886-042	STRETCHER-LEVELER-OPERATOR HEL	NONFER METAL	-2-	2	M--4--	I------
.885-010	BAND MAKER	AGRIC	-1-	2	L--4--	I------
.885-014	BANDING-MACHINE OPERATOR	AMMUNITION	-2P	3	M-34--	I------
.885-018	BANDING-MACHINE OPERATOR	FURN	-2P	2	L--4--	I------
.885-022	BOBBIN-WINDER TENDER	GLASS MFG	-2P	2	M--4--	I------
.885-030	BUNDLING-MACHINE-OPERATOR	FORGING	-2-	2	M--4--	I------
.885-038	DRUM STRAIGHTENER	ANY IND	-2-	2	H-34--	I---5--
.885-050	FORMING-ROLL OPERATOR	ANY IND	-2-	2	H-34--	I---5--
.885-058	HEAD-GAGE-UNIT OPERATOR	AMMUNITION	-2P	2	M--4--	I------
.885-062	HEEL-WASHER-STRINGING-MACHINE	RUBBER GOODS	-2-	2	L--4-6	I------
.885-066	KNURLING-MACHINE OPERATOR	NAIL	-1-	2	M-34--	I---5--
.885-078	PRODUCTION-MACHINE TENDER	NUT / BOLT	-2-	2	M--4--	I---5--
.885-082	REPAIRER SHOE STICKS	RUBBER GOODS	-2P	2	M--4--	I---5--
.885-090	SHEET-METAL PRODUCTION WORKER	ANY IND.	-2P	3	M-34--	I---5--
.885-094	SPINNING-LATHE OPERATOR AUTOMA	ANY IND	-2-	2	L--4--	I---5--
.885-106	WINDING-LATHE OPERATOR	AMMUNITION	-2P	3	M--4--	I------
.885-110	WINDING-MACHINE OPERATOR	CONC PROD	-3P	2	L--4--	B------
.885-114	WIRE-WINDING-MACHINE OPERATOR	WOOD BOX	-2-	2	H--4--	I------
.782-018	BULLET-GROOVING-SIZING-AND-LUB	AMMUNITION	-3-	4	H234--	I------
.782-022	COUPLING-MACHINE OPERATOR	IRON / STEEL	-2-	4	M--4--	I------
.782-026	FISHING ACCESSORIES MAKER	SPORTS EQUIP	-3P	4	L--4-6	I---5--
.782-030	FITTINGS FINISHER	PLUMB SUPPLI	-2P	4	L--4--	I----6-
.782-050	HOOP MAKER MACHINE	COOPERAGE	-3-	4	M-34--	I---56-
.782-054	HOOP-FLARING-AND-COILING-MACHI	COOPERAGE	-2-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-070	MACHINE OPERATOR	ANY IND	-3P	4	H-34--	I---567
.885-086	ROD-PULLER AND COILER	NONFER METAL	-2P	2	M--4--	I------
.885-098	SPOOL WINDER	NONFER METAL	-2P	3	M--4--	I------
.782-042	HEATER	FORGING	-2P	5	H-34-6	I-3-5--
.782-046	HOOP BENDER TANK	COOPERAGE	-2P	4	M--4--	I------
.782-058	HYDRAULIC-PRESSURE-AUTO-FRETTA	FIREARMS	-2P	5	M--4--	I------
.782-062	LATHE WINDER	SPRING	-3P	4	L--4--	I---5--
.782-074	ROLL-THREADER OPERATOR	NUT / BOLT	-2-	5	H--4--	I---5--
.782-082	SEAMLESS-TUBE ROLLER	IRON / STEEL	-2-	5	M--4--	I------
.782-106	TRIMMER OPERATOR	NUT / BOLT	-2-	5	H--4--	I---5--
.782-110	TYPE-ROLLING-MACHINE OPERATOR	TYPEWRITERS	-3-	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	MACHINE HELPER	ANY IND	-2P	3	H-34--	I---56-
.886-038	SPIKE-MACHINE HEATER	NAIL	-1-	2	H--4--	I---5--

619. MISCELLANEOUS METALWORKING N.E.C. (CONT.)

				HRP	SVP	PHYS.D WK COND 123456 1234567
Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MODERATE				
.885-026 BRAKE OPERATOR			ANY IND	-2-	4	H-34-- I---56-
.885-042 EMBOSSING-MACHINE OPERATOR			AMMUNITION	-2-	2	L--4-- I---5--
.885-046 ETCHER MACHINE			CUT TOOLS	-2-	4	M--4-- I------
.885-074 METALLIC-YARN-SLITTING-MACHINE			NONFER METAL	-2P	3	L--4-6 I------
.885-102 TWISTING-MACHINE OPERATOR			ANY IND	-2-	2	M-34-- I---5--
Language: MODERATE	Mathematics: MODERATE	Perceptual Processing: MINIMUM				
.884-010 FORMER HELPER HAND			ANY IND	-3P	3	H-34-6 I-3-567
.782-070 ROLL OPERATOR SHEET METAL			ANY IND	-3-	5	H-34-6 I---5--
Language: MODERATE	Mathematics: MINIMUM	Perceptual Processing: MODERATE				
.885-054 FOUR-SLIDE-MACHINE OPERATOR			ANY IND	-2-	3	M--4-- I---5--
.884-014 ORNAMENTAL-METAL-WORKER HELPER			FABRIC METAL	-2P	5	M-34-6 I-3-56-
Language: MINIMUM	Mathematics: MODERATE	Perceptual Processing: MODERATE				
.885-034 COIL-REWIND-MACHINE OPERATOR			NONFER METAL	-2P	3	M--4-- I----6-
.782-078 SAMPLER FIRST			ORE DRESS SM	-3P	5	M--4-- I------
.782-086 SHRINK-PIT OPERATOR			FIREARMS	-3P	5	M--4-- I------
Language: MODERATE	Mathematics: MODERATE	Perceptual Processing: MODERATE				
.782-102 STRETCHER-LEVELER OPERATOR			NONFER METAL	-3-	5	M--4-- I------
.387-010 SALVAGE WORKER			NONFER METAL	-3-	4	M-34-6 I------

MECHANICAL REPAIRING (620.-639.)

Occupations in this area are concerned with the installation, inspection, testing, repairing, rebuilding, and maintenance of a wide variety of mechanical equipment such as engines, automobiles, trucks, buses, and the machinery used in domestic, commercial, industrial, and agricultural activities.

Nearly 40 percent of the occupations in this area demand only minimum cognitive capabilities. There are also occupations in this area which demand each of the other seven combinations of cognitive capability, with concentrations of occupations demanding perceptual processing only, a combination of language and mathematics, and a combination of all three types. Perceptual processing demands derive from activities such as listening to operating equipment to detect signs of bearing failure, excessive clearance, seizing of parts, and faulty meshing of gears; feeling for excessive vibration or temperature; detecting abnormal exhaust; and the envisioning of functional relationships from the reading of diagrams. Language demands derive from activities such as verbal communications about malfunction symptoms, interpretation of work procedures and product specifications, and the completion of work logs. Mathematics demands derive from activities such as measuring dimensional values of components to verify tolerances, quantifying performance characteristics of equipment, and computation of time and labor charges.

More than 40 percent of the occupations in this area demand substantial psychomotor skill for activities such as manipulating hand tools, assembling parts, and making fine repairs. About three-fourths of the occupations demand substantial knowledge of the mechanical principles by which equipment operates to perform nonroutine activities, especially troubleshooting.

Although there are only 86 occupational titles listed for this area, there are usually many jobs for each title and they tend to be widely distributed by industry and geography. There are typically numerous opportunities for career progression for individuals who develop superior technical skills. However, there is also frequently a need to learn the characteristics of new equipment models as they become available.

620. MOTORIZED VEHICLE AND ENGINEERING EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D WK COND	
			HRP SVP 123456 1234567	
.884-014	BRAKE ADJUSTER	AUTO SER	-2- 2	L--4-- B------
.884-018	CLUTCH REBUILDER	AUTO SER	-3- 4	M--4-6 I------
.884-022	CONSTRUCTION-EQUIPMENT-MECHANI	CONST	-2- 3	M-34-- I--4---
.884-034	ENGINEERING-EQUIPMENT-MECHANIC	CONST	-2- 3	H-34-- I--4-67
.884-050	TRACTOR-MECHANIC HELPER	ANY IND	-2- 4	H-34-- I--4--7
.884-058	WRECKER	WHOLE TR	-2P 4	H23--- B------

620. MOTORIZED VEHICLE AND ENGINEERING EQUIPMENT REPAIRING (CONT.)

			HRP	SVP	PHYS.D 123456	WK COND 1234567
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MINIMUM						
.884-042 SPRING REPAIRER HELPER, HAND	AUTO SER	-2P	4	H--4--	I---5--	
.884-054 USED-CAR RENOVATOR	RET TR	-3P	4	M--4--	B------	
.884-014 TESTER MOTOR	AUTO MFG	-3-	4	M--4-6	I------	
Language: MINIMUM / Mathematics: MINIMUM / Perceptual Processing: MODERATE						
.885-010 BONDER AUTOMOBILE BRAKES	AUTO SER	-3P	3	L--4--	I-3---7	
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MINIMUM						
.884-010 AUTOMOBILE-MECHANIC HELPER	AUTO SER	-3-	3	H-34--	I--4---	
.884-026 ELECTRIC-GOLF CAR REPAIRER	AUTO SER	-3-	5	M--4-6	I------	
.884-030 ELECTRIC-TRUCK REPAIRER	ANY IND	-3-	5	M-34-6	I------	
.884-038 MOTORCYCLE SUBASSEMBLY REPAIRE	MOTOR / BICY	-3-	5	H-3456	I------	
Language: MODERATE / Mathematics: MINIMUM / Perceptual Processing: MODERATE						
.884-046 SQUEAK, RATTLE, AND LEAK REPAI	AUTO SER	H3P	4	M-3456	I------	
Language: MODERATE / Mathematics: MODERATE / Perceptual Processing: MODERATE						
.782-010 BRAKE-DRUM-LATHE OPERATOR	AUTO SER	-3P	5	M-34-6	I------	
.384-010 MOTORCYCLE TESTER	MOTOR / BICY	-3-	5	M-345-	I------	

621. AIRCRAFT REPAIRING

Language: MINIMUM / Mathematics: MINIMUM / Perceptual Processing: MINIMUM						
.884-014 RECLAMATION WORKER	WHOLE TR	-2-	4	M234--	B----6-	
Language: MINIMUM / Mathematics: MINIMUM / Perceptual Processing: MODERATE						
.884-010 AIRCRAFT-AND-ENGINE-MECHANIC H	AIR TRANS	-3P	5	M-34-6	B------	

622. RAIL EQUIPMENT REPAIRING

Language: MINIMUM / Mathematics: MINIMUM / Perceptual Processing: MINIMUM						
.884-018 SWITCH REPAIRER	RR TRANS	-2-	5	L-34-6	O------	
Language: MINIMUM / Mathematics: MODERATE / Perceptual Processing: MINIMUM						
.884-014 CAR REPAIRER HELPER	LOCO / CAR B	-3P	5	M234--	B----5---	

622. RAIL EQUIPMENT REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022 TANK-CAR INSPECTOR COMP / LIQUE -3- 4 M-34-6 B----6-

623. MARINE EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 MACHINIST HELPER OUTSIDE SHIP / BOAT -2- 3 M--4-- O------
.884-010 MOTORBOAT-MECHANIC HELPER ANY IND -2- 3 M--4-- B------

624. FARM MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 GREASER AGRIC -2- 4 H-34-- B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 ASSEMBLY REPAIRER AGRIC EQUIP -3- 5 M-34-- I------

625. ENGINE, POWER TRANSMISSION, AND RELATED EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 DIESEL-MECHANIC HELPER. ANY IND -2- 3 M--4-- I------

626. METALWORKING MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.781-010 CASE-FINISHING-MACHINE ADJUSTE AMMUNITION -3- 5 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 TONG REPAIRER NONFER METAL -3P 4 M--4-- I------
.884-014 UTILITY WORKER, MERCHANT MILL IRON / STEEL -3P. 5 M--4-- I---5--

628. TEXTILE MACHINERY AND EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FLYER REPAIRER TEXTILE -2P 3 L--4-- I------
.884-018 NEEDLE STRAIGHTENER HOSIERY KNIT -2P 4 S--4-6 I------
.884-022 OVERHEAD CLEANER MAINTAINER TEXTILE -3- 2 L2-4-- I---5--

PHYS.D WK COND
HRP SVP 123456 1234567

628. TEXTILE MACHINERY AND EQUIPMENT REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.684-010 PARTS INSPECTOR TEXTILE MACHIN TEXTILE -3- 3 M--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 QUILL REAMER TEXTILE -2P 2 L--4-- I------
.884-010 ASSEMBLER HALF LAP TEXTILE -3P 3 L--4-- I------
.884-034 SPINDLE PLUMBER TEXTILE -2P 5 L-34-6 I-3-5-7
.884-038 WIRE REPAIRER CARPET / RUG -2P 3 L--4-6 I------
.782-010 FLAT CLOTHIER TEXTILE -3P 5 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 NEEDLE SETTER TEXTILE -2- 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-030 SHUTTLE FIXER TEXTILE -3P 2 L--4-- I------
.782-014 ROLLER COVERER TEXTILE -3P 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 REED REPAIRER TEXTILE -3P 5 M--4-6 I------

629. SPECIAL INDUSTRY MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 CURING-PRESS MAINTAINER RUBBER TIRE -2P 2 M--4-- I-34---
.884-014 DRUM REPAIRER TOBACCO -2- 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 LABORATORY HELPER MACH MFG -3- 4 M--4-- I------
.782-014 ROLL GRINDER RUBBER RECLA -3P 5 M--4-6 I---567
.781-010 FOILING-MACHINE ADJUSTER AMMUNITION -3- 5 L--4-- I---5--

630. GENERAL INDUSTRY MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-026 PUMP-SERVICER HELPER ANY IND -2- 5 M-34-- B------
.884-034 REPAIRER HELPER ORE DRESS SM -2- 3 H234-- B---56-
.884-046 WHEEL-AND-CASTER REPAIRER ANY IND -2- 2 M--4-- I------

630. GENERAL INDUSTRY MACHINERY REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-012	BELT REPAIRER	ANY IND	-2P	4	L----6 I------
.884-038	SCREEN-AND-CYCLONE REPAIRER	MINING / QUA	-3-	4	M--4-- I------
.884-042	SCREEN REPAIRER, CRUSHER	MINING / QUA	-2P	4	M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010	ANODE REBUILDER	ORE DRESS SM	-3P	5	M--4-- I----6-
.884-014	EQUIPMENT-CLEANER-AND-TESTER	ORE DRESS SM	-3-	4	M234-- I---567
.884-030	REPAIRER II	CHEM	-3-	4	H234-6 B-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018	FIXTURE REPAIRER-FABRIATOR	ANY IND	-2P	5	M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022	PUMP INSTALLER	ANY IND	-3P	5	H-34-- B-34--
.780-010	POLISHING-WHEEL MAKER	ABRASIVE / P	-3P	5	M--4-6 I------
.382-010	PUMP TESTER	MACH MFG	-3-	5	M-345- I------

631. POWERPLANT MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	PULLEY MAINTAINER	MINING / QUA	-1-	3	M234-- I---567
.887-014	TRACK-REPAIRER HELPER	CONST	-2-	2	M-34-- O------
.884-010	HYDROELECTRIC-MACHINERY-MECHAN	LIGHT HEAT	-2-	3	H234-- I---56-
.884-014	POWERHOUSE REPAIRER HELPER	LIGHT HEAT	-3-	5	M234-- I------

632. ORDNANCE AND ACCESSORY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.780-014	INSPECTING-MACHINE ADJUSTER	AMMUNITION	-3P	3	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010	GYMNASTICATOR OPERATOR	FIREARMS	-3P	5	M--4-- I------
.780-010	GAGE-AND-WEIGH-MACHINE ADJUSTE	AMMUNITION	-3P	3	L-3456 I------
.780-018	LOADING-MACHINE ADJUSTER	AMMUNITION	H3P	3	L-3456 I----6-
.780-026	PRIMER-INSERTING-MACHINE ADJUS	AMMUNITION	-3-	5	M-34-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010	GUN SYNCHRONIZER	FIREARMS	-3P	5	M--456 I------
.780-022	LOADING-UNIT TOOL-SETTER	AMMUNITION	-3P	5	L-34-6 I----6-

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HRP SVP 123456 1234567

632. ORDNANCE AND ACCESSORY REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.780-030 PRIMER-WATERPROOFING-MACHINE A — AMMUNITION — -3- 3 -L-34-6 I---567
.780-034 RIM-FIRE-PRIMING TOOLSETTER — AMMUNITION — -3- 4 M-34-6 I----6-
.780-038 VARNISHING-UNIT TOOLSETTER — AMMUNITION — -3- 3 L--4-- I------

637. UTILITY EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AIR-CONDITIONING-MECHANIC HELP — ANY IND — -2- 3 H234-- B----6-
.887-014 REFRIGERATION-MECHANIC HELPER — ANY IND — -2- 2 H-345- I2--567
.884-018 PUMP-ERECTOR HELPER — CONST — -2- 3 H-34-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 GAS-APPLIANCE-SERVICER HELPER — ANY IND — -3- 4 H2-4-6 B----7
.684-010 QUALITY-CONTROL TECHNICIAN — COIN MACH — -2- 3 L--4-6 I------

638. MISCELLANEOUS MACHINE INSTALLATION AND REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 MAINTENANCE-MECHANIC HELPER — ANY IND — -3P 4 H-34-- I----6-
.884-014 MILLWRIGHT HELPER — ANY IND — -2P 3 H2-4-- I------

639. MECHANICAL REPAIRING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 LAWN-MOWER REPAIRER — ANY IND — -3P 4 M-34-6 I------
.884-018 SEWING-MACHINE-REPAIRER HELPER — ANY IND — -2- 4 M-34-- I------
.281-010 COIN-MACHINE SERVICER — BUS SER — -2- 5 M-34-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 BICYCLE REPAIRER — ANY IND — -3- 4 M--4-6 I------

PAPERWORKING (640.-649.)

Occupations in this area are concerned with cutting, scoring, joining, and otherwise machining paper and paper products.

Although occupations in this area demand all eight different combinations of cognitive capabilities, about half of the occupations make only minimum cognitive demands and about a quarter demand only perceptual processing beyond a minimum level. Perceptual processing demands derive largely from constant observation of paper materials and products as they pass through machinery in order to adjust operational control and discard defective products. Language demands involve verbal communications, reading routine work orders, and entering product data on work tickets. Mathematics demands are generally limited to counting and recording of production data, but sometimes extend to making routine machine adjustments and measuring substances such as adhesive mixes.

About one-fifth of the occupations have substantial psychomotor requirements, usually associated with operational control of equipment. These requirements are tending to become less stringent as increasingly sophisticated equipment is developed. Basic mechanical knowledge would be a definite asset for about half of the occupations in support of machine setup and minor maintenance.

Increasingly efficient machines are tending to hold down the growth of job opportunities in this area. There are limited entry and progression opportunities.

640. PAPER CUTTING, WINDING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

					PHYS.D WK COND HRP SVP 123456 1234567
.886-010	ROTARY-CUTTER HELPER	PAPER / PULP	-2-	2	M234-- I--456-
.885-010	BOOK-TRIMMER	PRINT / PUB	-2P	4	L--4-6 I----6-
.885-014	BOOK-JACKET-COVER-MACHINE OPER	PAPER GOODS	-3P	3	L--4-- I------
.885-022	COMPENSATOR	PAPER GOODS	-1P	2	S--4-6 I---5--
.885-038	LABEL-SLITTING-MACHINE OPERATO	TOBACCO	-2-	2	L--4-- I------
.885-042	PANEL-MACHINE OPERATOR	PAPER GOODS	-1-	2	L--4-- I---5--
.885-050	PAPER-CORE-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4-- I------
.885-058	PROCESS-MACHINE OPERATOR	PAPER GOODS	-2-	3	M-34-- I---56-
.885-070	ROLL RECLAIMER	PAPER GOODS	-2P	2	L--4-- I------
.885-078	ROLLING-MACHINE OPERATOR	WALLPAPER	-2-	2	M--4-- I------
.885-094	TIGHTENING-MACHINE OPERATOR	PAPER GOODS	-1-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-046	PAPER CUTTER	DISTILLED LI	-3P	2	L--4-- I------
.885-090	SLOTTER OPERATOR	PAPER GOODS	-2-	2	M--4-- I------

PHYS.D WK COND
HRP SVP 123456 1234567

640. PAPER CUTTING, WINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-054 PAPER-REEL OPERATOR — PAPER GOODS -3P 3 M--4-- I---5--
.885-098 TUBE SIZER-AND-CUTTER OPERATOR — AMMUNITION -2- 3 M234-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 SPIRAL-TUBE-WINDER HELPER — PAPER GOODS -2- 2 M-34-- L-----
.885-018 COMB-MACHINE OPERATOR — MATCH -3- 3 H--4-- I------
.885-026 CORNER CUTTER — PAPER GOODS -2P 2 L--4-- I------
.885-030 CUT-OFF-MACHINE OPERATOR — PAPER GOODS -2- 3 M--4-6 I----6-
.885-034 CUT-OFF-MACHINE OPERATOR AUTOM — PAPER GOODS -2- 2 M--4-6 I------
.885-062 REWINDER OPERATOR — PAPER GOODS -2P 2 L--4-- I---56-
.885-066 RIBBON-HANKING-MACHINE OPERATO — PAPER GOODS -3P 2 L--4-- I------
.885-074 ROLL-SLICING-MACHINE TENDER — PEN / PENCIL -3- 2 L--4-- I------
.885-082 RUF-SPOOLING-MACHINE OPERATOR — PAPER GOODS -3- 2 L--4-- I------
.782-010 CONVOLUTE-TUBE WINDER — PAPER GOODS -3- 4 M--4-- I------
.782-018 SPIRAL-TUBE WINDER — PAPER GOODS -3P 4 M--4-- I---56-
.782-022 CORE WINDING OPERATOR — PAPER / PULP -2P 5 L2-4-6 I---56-
.687-010 ROLLER EXAMINER — PAPER / PULP -2- 1 L--4-6 I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-102 TUBE-WINDING-MACHINE OPERATOR — PAPER GOODS -3- 3 M-34-6 I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-106 WHITE-TUBE STRIPPER — PAPER / PULP -2- 2 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-086 SHEETER CARBON PAPER — PEN / PENCIL -3P 3 H--456 I------

641. FOLDING, CREASING, SCORING, AND GLUING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LINER-MACHINE-OPERATOR HELPER — PAPER GOODS -2- 2 M--4-- I------
.886-010 PAPER-BAG-PRESS OPERATOR — PAPER GOODS -1- 2 S--4-- I------
.886-014 PRINTER-SLOTTER FEEDER — PAPER GOODS -2- 2 H--4-- I---5--
.886-018 SCORER HELPER — PAPER GOODS -1- 1 M2-4-- I---5--
.886-022 SLEEVER — PAPER GOODS -1- 2 S--4-6 I---5--
.886-026 TUBE-MACHINE-OPERATOR HELPER — PAPER GOODS -2- 2 M234-- I---56-
.885-014 AUTOMATIC-MACHINE ATTENDANT — PAPER GOODS -2- 2 L--4-- I------
.885-018 BAR CREASER — PAPER GOODS -2- 3 L--4-- I------
.885-022 BENDER MACHINE — PAPER GOODS -1- 3 L--4-- I------
.885-026 BOARD-LINER OPERATOR — WOOD BOX -2- 3 M--4-- I------
.885-030 BOX-LINING MACHINE FEEDER — PAPER GOODS -2- 2 L--4-- I------
.885-034 CARTON-FORMING-MACHINE OPERATO — ANY IND -2- 3 M-34-- I---56-

641. FOLDING, CREASING, SCORING, AND GLUEING (CONT.)

			HRP	SVP	PHYS.D 123456	WK COND 123456
.885-042	COVER STRIPPER	PAPER GOODS	-2-	2	L--4--	I------
.885-046	ENDING-MACHINE OPERATOR	PAPER GOODS	-2-	3	L--4--	I------
.885-054	EXTENSION EDGER	PAPER GOODS	-2-	2	L--4--	I------
.885-058	FOLDING-MACHINE FEEDER	PAPER GOODS	-2-	2	L--4--	I------
.885-062	FOUR-CORNER-STAYER-MACHINE OPE	PAPER GOODS	-2-	2	L--4--	I------
.885-070	LINER-MACHINE OPERATOR	PAPER GOODS	-2-	3	L--4--	I------
.885-082	SCORER	PAPER GOODS	-2-	3	M--4--	I------
.885-086	SEALING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I---5--
.885-098	STRING-TOP SEALER	PAPER GOODS	-2-	2	L--4--	I------
.885-102	STRIPPING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--456	I------
.885-106	VALVING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4-6	I---5--
.885-110	WRAPPING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I------
.782-022	SHELL-MACHINE OPERATOR	EXPLOSIVES	-3-	5	L--4-6	I------
.782-026	SLITTER-CREASER-SLOTTER OPERAT	PAPER GOODS	-3-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	APPLE-LINER MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I------
.885-038	CARTON-FORMING-MACHINE TENDER	PAPER GOODS	-2-	2	M--4--	I------
.885-050	ENVELOPE-MACHINE OPERATOR	PAPER GOODS	-3-	4	L--4-6	I------
.885-066	LINER LOOSELEAF BINDER	PRINT / PUB	-2-	2	L--4--	I------
.885-074	MOUNTING-MACHINE OPERATOR	PRINT / PUB	-2-	3	L--4-6	I------
.885-078	PATCH-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I---5--
.885-090	SLIDE-FORMING-MACHINE TENDER	MATCH	-2-	2	M--4--	I------
.885-094	SLIDE-MACHINE TENDER	MATCH	-2-	2	L--4--	I------
.782-010	EMBOSSOGRAPH OPERATOR	ANY IND	-3-	4	L--4--	I------
.782-014	NEW-ERA-UNIT OPERATOR	PRINT / PUB	-3P	4	L--4--	I------
.782-018	PLATEN-PRESS OPERATOR	PAPER GOODS	-3P	5	M--4--	I---5--
.782-030	TUBE-MACHINE OPERATOR	PAPER GOODS	-3-	4	M234-6	I---56-

642. PAPER SEWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	BAG SEWER	PAPER GOODS	-1-	2	S--4-6	I---5--

643. PAPER CORRUGATING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010	CORRUGATOR-OPERATOR HELPER	PAPER GOODS	-2-	2	H--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	BINDERY WORKER	PRINT / PUB	-3P	4	L--4--	I---5--

PHYS.D WK COND
HRP SVP 123456 1234567

644. PAPER FASTENING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 STRINGING-MACHINE OPERATOR PAPER GOODS -1- 2 L--4-- I------
.885-014 TAPE-FASTENER-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-6 I------

649. PAPERWORKING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BAG-MACHINE-OPERATOR HELPER PAPER GOODS -2- 2 M-34-- I---56-
.886-014 FINISHING-MACHINE OPERATOR PAPER GOODS -1- 1 L--4-- I------
.886-018 SMUTTER PAPER GOODS -2- 1 L--4-- I------
.885-010 BAG-MACHINE OPERATOR PAPER GOODS -2- 3 M-34-- I---56-
.885-026 DOMER PAPER GOODS -1- 2 L--4-- I------
.885-030 DRILL-PUNCH OPERATOR PAPER GOODS -2- 2 L--4-6 I------
.885-034 FOLDING-MACHINE OPERATOR PAPER GOODS -2- 3 L-34-- I---56-
.885-046 LAUNDRY-BAG-PUNCH OPERATOR PAPER GOODS -2- 2 L--4-- I------
.885-054 MACHINE OPERATOR GENERAL PAPER GOODS -2- 4 M--4-- I---5--
.885-058 PAPER-CONE-MACHINE TENDER PAPER GOODS -2- 2 L--4-- I------
.885-062 PAPER-CUP-MACHINE OPERATOR PAPER GOODS -2- 3 L--4-- I------
.885-066 PARTITION-MAKING MACHINE OPERA PAPER GOODS -2- 2 L-34-- I----6
.885-070 PUNCHBOARD-FILLING-MACHINE OPE PAPER GOODS -2- 2 L--4-- I------
.885-074 RING-MAKING-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-- I------
.885-082 STEEL-TIE ADJUSTER AUTOMATIC PAPER GOODS -1- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-022 EMBOSSER OPERATOR PAPER GOODS -3- 5 L2-4-6 I------
.782-026 PARTITION-ASSEMBLY-MACHINE OPE ANY IND -3- 5 L--4-- I----6-
.780-014 MACHINE SET-UP OPERATOR, PAPER PAPER GOODS -3- 5 M-34-- I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 BOTTOMING-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-6 I---5--
.885-038 KNOTTING-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-- I------
.885-042 LACE-PAPER-MACHINE OPERATOR PAPER GOODS -2- 3 M--4-- I------
.885-050 LAYBOY TENDER PAPER / PULP -2- 2 L2-4-6 I---56-
.885-078 SHOT-TUBE-MACHINE TENDER PAPER GOODS -2- 2 L--4-- I------
.885-086 TAG-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-- I------
.782-014 CUTTING-MACHINE OPERATOR PRINT / PUB -3P 4 M--4-6 I------
.782-018 DRILL-PRESS OPERATOR ACOUSTICA WALLBOARD -3- 5 L--4-- I----6-
.782-030 SIZING-MACHINE OPERATOR AMMUNITION -3- 4 H234-- I--4-64
.687-010 PAPER SORTER AND COUNTER PAPER / PULP -2- 2 L--456 I------
.687-014 PAPER-CONE GRADER PAPER GOODS -1- 2 L--4-- I------
.687-018 PAPER-PATTERN INSPECTOR PAPER GOODS -1- 2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-022 CORE-CUTTER AND REAMER PAPER / PULP -3P 4 L--4-- I----6-

649. PAPERWORKING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-018 CHIP-APPLYING-MACHINE TENDER PAINT / VARN -2- 3 M-r4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.487-010 INSPECTOR PAPER / PULP -3P 3 L--4-6 I---5--

PRINTING (650.-659.)

Occupations in this area are concerned with the composition of designs and text for reproduction; the transfer of designs and text to the surfaces of paper, wood, cardboard, and other materials; and the collation and assembly of pages into books and documents.

The various printing occupations make cognitive demands in all eight combinations of cognitive capabilities. Nearly half of the occupations make minimum cognitive demands. There is also a concentration of demand for perceptual processing. Perceptual processing demands derive from activities such as organizing text and drawings on a composing table; mixing ink to match a sample; checking and adjusting color registration; and detecting ink smears, double images, light copy, and similar defects. Language demands in typesetting and composing generally involve detection and correction of spelling errors; juxtaposition of characters; and missing or repeated characters, words, lines, or sentences. Limited verbal communications, interpreting of work orders, and recording of production data and stock usage are typical of these occupations. Mathematical demands are associated with activities such as counting quantities of printed matter, estimating job costs, estimating stock quantities and needs, and mixing special inks according to formula.

In very small shops, printing activities are sometimes interspersed with customer interaction. Psychomotor skills may be involved in hand setting of type, keyboard composition of text, operation of presses, and bindery operations. Mechanical knowledge and skill can be useful for machine setup and minor maintenance.

The increasing availability of convenient office machines that produce good copy, increasingly efficient composition devices and techniques, more efficient and automated presses, and more automated collation and binding techniques have all tended to suppress the growth of opportunity in printing occupations. There are limited apprentice opportunities that can lead to full journeywork. Progression to production supervision usually takes a considerable period of time and is available to a relatively small proportion of the printing staffs.

PHYS.D WK COND
HRP SVP 123456 1234567

650. TYPESETTTING AND COMPOSING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

885-010 TYPESETTING-MACHINE TENDER	PRINT / PUB	-3-	4	L--4-6	I---5--
582-010 LINOFILM-MACHINE OPERATOR	CLERICAL	-2P	3	L--4--	I------
582-014 LINOTYPE OPERATOR	PRINT / PUB	-3P	5	S--4-6	I---5--
582-018 MONOTYPE-KEYBOARD OPERATOR	PRINT / PUB	-3P	5	S--4-6	I------
582-022 PHOTOTYPESETTER OPERATOR	PRINT / PUB	-3P	5	S--4-6	I------

651. PRINTING PRESS WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CYLINDER-PRESS FEEDER — PRINT P PUB -2P 2 H--4-6 I---56-
.886-014 LITHOGRAPHIC-PRESS-FEEDER APPR — PRINT / PUB -2- 2 H--4-6 I---56-
.885-010 DESIGN PRINTER BALLOON — RUBBER GOODS -2- 2 L----- I------
.782-070 PROOF-PRESS OPERATOR — PRINT / PUB -2- 5 M--4-- I------
.782-082 STRIPER — PAPER GOODS -2- 5 --34-- I----5-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 PLATEN-PRESS FEEDER — PRINT / PUB -2- 4 L--4-- I---56-
.782-038 OFFSET-DUPLICATING MACHINE OPE — PRINT / PUB -2- 4 L--4-6 I------
.782-090 TRANSFER OPERATOR — PRINT / PUB -3- 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 OFFSET-PRESS OPERATOR — PRINT / PUB -3- 2 L--4-- I------
.782-066 PRINTING-PRESS OPERATOR — BAL / SCALES -3P 5 L--4-6 I------
.687-010 LITHOGRAPHED-PLATE INSPECTOR — TINWARE -2- 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.886-018 PRESS HELPER — FABRIC PLAST -2- 2 H-34-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-022 FLEXOGRAPHIC-PRESS OPERATOR I — PRINT / PUB -3P 4 L--4-6 I---5--

652. PRINTING MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 COLOR-MIXER HELPER — WALLPAPER -1- 3 H--4-- I------
.887-018 PAINT POURER — LINOLEUM -1- 1 M--4-6 I------7
.887-026 PASTER SCREEN PRINTING — TEXTILE -1- 2 L--4-- I------
.887-030 CLOTH SPREADER, SCREEN PRINTIN — TEXTILE -2P 3 M--4-- I------
.887-034 PLATER HAND — PAPER / PULP -1- 1 L--4-- I------
.887-038 PRINTER FLOOR COVERING ASSISTA — LINOLEUM -1- 2 L--4-6 I------
.886-014 GRAINER MACHINE — ANY IND -2- 2 M--4-6 I------
.886-022 LOADER-UNLOADER SCREEN-PRINTIN — TEXTILE -1- 2 L--4-- I------
.886-026 RAISED PRINTER — PRINT / PUB -1- 1 L--4-- I------
.886-030 WARE SERVER — GLASS MFG -1- 2 V-34-- I------
.885-010 CARTON MARKER MACHINE — BOOT / SHOE -2- 2 L-34-- I------
.885-022 CUTTING-AND-PRINTING MACHINE O — TEX BAG -2- 3 H--4-- I------
.885-030 EMBOSSING-PRESS OPERATOR — ANY IND -2- 2 L--4-6 I----6-
.885-034 FILM NUMBERER — MOTION PIC -2- 2 L--4-- I------
.885-038 GLOVE TAGGER — GLOVE / MIT -2P 2 L--4-- I------
.885-042 INK PRINTER — JEWELRY CASE -2- 2 S--4-- I------
.885-046 PRINTING-ROLLER HANDLER — TEXTILE -2- 2 V-34-- I---56-

652. PRINTING MACHINE WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-054	STAMPER	CARPET / RUG	-2-	2	M-34--	I------
.885-058	MARKING-MACHINE OPERATOR	KNIT GOODS	-2-	2	L--4--	I------
.885-062	MILK-BOTTLE-CAP-MAKING-MACHINE	PAPER GOODS	-2-	2	L--4--	I------
.885-066	NAME-PLATE STAMPER	ANY IND	-2-	2	L--4-6	I------
.885-070	PHOTOLETTERING-MACHINE OPERATO	PRINT / PUB	-2-	4	S--4--	I------
.885-074	PIN-TICKET-MACHINE OPERATOR	ANY IND	-2-	2	L--4--	I------
.885-086	PRINTER, FLOOR COVERING	LINOLEUM	-2-	3	L--4-6	I------
.885-094	ROLLER OPERATOR	TOYS / GAMES	-2-	2	L--4--	I------
.885-098	SOABAR-MACHINE OPERATOR	GARMENT	-2-	2	L--4--	I------
.885-102	STENCIL-MACHINE OPERATOR	TEXTILE	-2P	2	M--4--	I------
.885-118	TICKETER	ANY IND	-2-	2	S--4--	I------
.885-122	TUBE BRANDER	RUBBER TIRE	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014	CODING-MACHINE OPERATOR	ELECTRONICS	-2P	2	L--4--	I------
.885-114	STRIKE-OFF-MACHINE OPERATOR	TEXTILE	-3-	3	L--4-6	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	COLOR DIPPER	TEXTILE	-1-	2	M-34-6	I--45--
.887-022	PAPER HANDLER	WALLPAPER	-1P	2	M--4--	I------
.887-042	WALLPAPER-PRINTER HELPER	WALLPAPER	-2-	2	M-34--	I------
.886-010	BASE BRANDER	ELECTRONICS	-2-	1	S--4-6	I------
.886-018	GREY-CLOTH TENDER PRINTING	TEXTILE	-3P	2	H--4-6	I------
.885-018	COLOR CODER	ELECTRONICS	-2-	2	S--4-6	I------
.885-026	DECORATING-MACHINE OPERATOR	GLASS PROD	-2-	3	L--4-6	I---5--
.885-090	PRINTING-MACHINE OPERATOR FOLD	CUT TOOLS	-2-	2	L--4-6	I------
.885-106	STENCILING-MACHINE TENDER	GLASS MFG	-2-	2	L--4--	I------
.782-018	GLOVE PRINTER	GLOVE / MIT	-2-	4	L--4--	I------
.782-026	MARKER	FIREARMS	-2P	4	M--4--	I------
.782-046	SCREEN-PRINTING-MACHINE OPERAT	TEXTILE	-3-	4	L--4-6	I-----7
.687-010	INSPECTOR AND SHIPPER	WALLPAPER	-2-	3	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-078	PRESS FEEDER	TINWARE	-3P	3	M-34--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-050	KEYING-MACHINE OPERATOR	PRINT / PUB	-2-	2	L--4--	I------
.885-082	PRINTER	PEN / PENCIL	-2-	2	L--4-6	I---5--
.782-010	BOX PRINTER	ANY IND.	-3-	4	L--4--	I------
.782-058	TIP PRINTER	HAT / CAP	-3-	4	L--4-6	I------
.687-014	WALLPAPER INSPECTOR	WALLPAPER	-2-	4	L--4-6	I------
.587-010	CLOTH-PRINTING INSPECTOR	TEXTILE	-2-	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-038	PRINTING-MACHINE OPERATOR TAPE	CUT TOOLS	-3-	5	M--45-	I------

652. PRINTING MACHINE WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-110	STRICKLER ATTENDANT	LINOLEUM	-3-	4	S-34-6	I---567
.885-126	VIGOUREUX PRINTER	TEXTILE	-3-	2	M--4-6	I------
.885-130	WAD-PRINTING-MACHINE OPERATOR	AMMUNITION	-3-	2	L--4--	I------
.782-042	RUBBER-PRINTING-MACHINE OPERAT	RUBBER GOODS	-3-	4	M--4-6	I------
.782-050	SQUEEGEE-MACHINE OPERATOR AUTO	GLASS MFG	-3-	5	L--4--	I------
.782-054	STRIPING-MACHINE OPERATOR	INSULATED WI	-3-	4	L--4-6	I------
.780-010	DECORATING-EQUIPMENT SETTER	GLASS MFG	-3-	5	M--4--	I------

653. BOOKBINDING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	CASING-IN-LINE FEEDER	PRINT / PUB	-2-	2	L--4--	I---5--
.886-014	FOLDING-MACHINE FEEDER	PRINT / PUB	-1-	2	L--4--	I---5--
.886-018	GATHERING-MACHINE FEEDER	PRINT / PUB	-2-	2	L--4--	I---5--
.886-022	PERFECT-BINDER FEEDER	PRINT / PUB	-1-	2	L--4--	I---5--
.886-026	STITCHING-MACHINE FEEDER	PRINT / PUB	-1-	2	L--4--	I---5--
.885-010	BOOK-SEWING-MACHINE OPERATOR	PRINT / PUB	-3P	4	L--4-6	I---5--
.885-014	COLLATING-MACHINE OPERATOR	PRINT / PUB	-2-	4	L--4--	I---5--
.885-018	ROUNDING-AND-BACKING-MACHINE O	PRINT / PUB	-2-	4	L--4--	I------
.885-022	SPIRAL BINDER	PAPER GOODS	-2-	2	L--4--	I------
.782-010	COVERING-MACHINE OPERATOR	PRINT / PUB	-2-	5	L--4--	I---5--
.782-014	FOLDING-MACHINE OPERATOR	PRINT / PUB	-2-	5	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-018	HEAD-BANDER-AND-LINER OPERATOR	PRINT / PUB	-3-	4	L--4--	I---5--
.687-010	COLLATOR	PRINT / PUB	-2P	2	L--4-6	I------

654. TYPECASTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	PAGER	TYPE FOUNDIN	-1-	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.688-010	MATRIX INSPECTOR	TYPE FOUNDIN	-1-	3	S--4--	I------

659. PRINTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	JOGGER	PRINT / PUB	-1-	2	L--4--	I------
.885-010	PAPER CONDITIONER	PRINT / PUB	-2-	5	L--4--	I----6-

659. PRINTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-014	PERFORATING-MACHINE OPERATOR	PRINT / PUB	-2-	4	L--4-- I------
.687-010	COUNTER	PRINT / PUB	-1-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-018	SAMPLE-BOOK MAKER	WALLPAPER	-3P	2	M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022	SHOTGUN-SHELL-REPRINTING-UNIT	AMMUNITION	-3-	2	M2345- I------
.782-038	TRANSFER-MACHINE OPERATOR	HOSIERY	-2-	4	L--4-- I------
.687-018	RACKER SILK-SCREEN PRINTING	ANY IND	-2-	2	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-034	SIGN WRITER MACHINE	ANY IND	-3-	4	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010	COMMODITY-PLATE-EQUIPMENT OPER	BAL / SCALES	-3P	4	L--4-- I------
.782-014	CUT-AND-PRINT-MACHINE OPERATOR	AMMUNITION	-3-	4	H-34-6 I------
.782-030	RULING-MACHINE OPERATOR	PAPER GOODS	-3P	5	L2-4-6 I------
.687-014	INKER	PRINT / PUB	-2-	4	L----6 I---5--

WOOD MACHINING (662.-669.)

Occupations in this area are concerned with shaping wooden parts or products by removing excess material from stock or objects through such means as cutting, boring, abrading, milling, and planing.

The various occupations in this area demand all eight combinations of cognitive capabilities. About half make only minimum cognitive demands; another fourth demand only perceptual processing. There are also substantial concentrations of demand for moderate mathematics only and for all three cognitive capabilities in combination. Perceptual processing demands derive from activities such as relating planes to three-dimensional objects; discriminating shapes and shadings in identifying lumber stock; grading lumber according to imperfections; classifying lumber according to grain patterns; determining optimum patterns of cuts; estimating straightness; and verifying the structural shape and dimensions of products against written specifications or drawings. Mathematics demands are most widely associated with the dimensions of products and the calculation of machine settings necessary to achieve specified cuts and shapes. Occupations which deal with custom-built rather than mass-produced products are much more likely to involve the calculation of board feet, rough and finished sizes of lumber, and arithmetic operations to determine unknown from known dimensions. Language demands derive from activities such as interpreting written product specifications, which often include specialized terms and drawings; verbal communication in teamwork situations, such as the handling of logs or large boards; preparation of notes and sketches to clarify specifications; and recording of production information on forms.

Nearly half of the occupations demand substantial psychomotor skills for machine operations, although these demands are tending to lessen as woodworking machines become more sophisticated. Mechanical skills can be a definite asset for maintenance activities.

Increasingly efficient machines have tended to keep down job opportunities in mass-production operations. Custom cabinetmaking has generally not flourished under modern economics. There are opportunities, but they tend to be limited. Opportunities for direct progression from mass-production to custom operations are poor.

PHYS.D WK COND
HRP SVP 123456 1234567

662. SANDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	END-TOUCHING-MACHINE OPERATOR	CORK PROD	-1-	1	L--4-6	I------
.885-010	BOWL SANDER	SMOKING PIPE	-2-	2	L--4--	I------
.885-014	CORK GRINDER	SPORTS EQUIP	-1-	2	L--4--	I------
.885-018	CYLINDER-SANDER OPERATOR	WOODWORKING	-2-	2	M--4-6	I---56-
.885-026	SANDER WOODEN PENCILS	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-038	SIZING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-050	WOOD-HEEL BACK-LINER	BOOT / SHOE	-1-	2	L--4--	I---5--

662. SANDING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

			HRP	SVP	PHYS.D WK COND 123456 1234567
.885-030	SANDING-MACHINE BUFFER	CORK PROD	-2-	2	L--4-- I-----7
.885-034	SANDING-MACHINE TENDER	CORK PROD	-2P	2	L-34-- I----6-
.885-042	SPEED-BELT-SANDER OPERATOR	WOODWORKING	-2P	2	M-34-- I---567
.782-014	MULTIPLE-DRUM SANDER	WOODWORKING	-2-	4	H234-- I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.885-022	LAST SCOURER	LASTS / REL	-2P	4	M--4-6 I---5--
.885-046	TURNING-SANDER OPERATOR	WOODWORKING	-2P	3	L--4-- I---5--
.782-018	STROKE-BELT-SANDER OPERATOR	WOODWORKING	-2-	4	H-34-6 I---567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	**MODERATE**

.886-014	MULTIPLE-DRUM-SANDER HELPER	WOODWORKING	-2-	2	M-34-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	**MODERATE**

.782-010	MOLDING SANDER	WOODWORKING	-2-	4	M-34-6 I---567

663. SHEARING AND SHAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-014	CORK-TAPERING-MACHINE OPERATOR	CORK PROD	-1-	2	S--4-- I------
.886-022	POLE-PEELING-MACHINE-OPERATOR	SAWMILL WOOD	-2P	2	V-34-- O---6-
.886-026	SLICING-MACHINE OPERATOR	CORK PROD	-1-	1	L--4-- I------
.885-014	EXCELSIOR-MACHINE OPERATOR	EXCELSIOR	-2-	2	M--4-- I-----7
.885-018	MOLDING CUTTER	WOODWORKING	-2-	2	L--4-6 I----6-
.885-022	PUNCHER	SHAPED WOOD	-2P	2	L--4-- I------
.885-026	ROUNDING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4-- I---5--
.885-030	SHAKE BACKBOARD NOTCHER	SAWMILL	-1-	2	L--4-- I------
.885-034	SKIVER	CORK PROD	-1-	2	L--4-- I------
.885-038	SLICING-MACHINE OPERATOR	WINDOW SHADE	-2P	3	M-34-- I---5-7
.885-042	SPLITTER TENDER	SAWMILL	-1-	2	H--4-- I------
.885-050	STAVE-MACHINE OPERATOR	BASKETRY	-2P	2	L--4-- I---5--
.782-014	POLE-PEELING-MACHINE OPERATOR	SAWMILL WOOD	-2P	4	L--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.885-046	SPLITTING-MACHINE OPERATOR	CORK PROD	-2-	3	H--4-6 I------
.782-010	BACK-ROLL-LATHE OPERATOR	BASKETRY WOO	-2-	4	L--4-- I---5--
.782-018	VENEER-LATHE OPERATOR	BASKETRY VEN	-3-	4	L--4-- I---5--
.782-022	VENEER-SLICING-MACHINE OPERATO	VENEER / PLY	-2-	4	M--4-- I------
.782-026	WOOD-CARVING-MACHINE OPERATOR	WOODWORKING	-3P	4	L--4-- I---5--

663. SHEARING AND SHAVING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 BLOCK FEEDER	MATCH	-1P	2	L-34--	I------
.886-018 DISK CUTTER AND INSPECTOR	CORK PROD	-1-	1	L-34--	I------
.885-010 CLIPPER, AUTOMATIC	VENEER / PLY	-2-	4	S--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-054 VENEER CLIPPER	VENEER / PLY	-3P	4	H-34--	I------

664. TURNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BRIAR CUTTER	SMOKING PIPE	-1-	2	S-----	I------
.885-014 BUCKET CHUCKER	COOPERAGE	-2P	3	M--4--	I------
.885-018 COPY-LATHE OPERATOR	WOODWORKING	-2-	3	M--4--	I------
.885-022 FRAZER	SMOKING PIPE	-2-	3	M--4--	I---5--
.885-026 SHUTTLE SPOTTER	SHAPED WOOD	-1-	2	M--4--	I------
.782-014 BARREL-LATHE OPERATOR OUTSIDE	COOPERAGE	-2P	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.883-010 LATHE SPOTTER	VENEER / PLY	-2P	3	H-34--	I------
.782-010 BARREL-LATHE OPERATOR INSIDE	COOPERAGE	-2P	4	M--4-6	I------
.782-018 BOWL TURNER	SMOKING PIPE	-2P	4	L--4-6	I-----7
.782-022 SKIVING MACHINE OPERATOR	FIREARMS	-3P	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-026 SPAR-MACHINE OPERATOR	WOOD PRESERV	-3P	5	L-34--	O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-030 SPAR-MACHINE-OPERATOR HELPER	WOOD PRESERV	-2P	3	H-34--	O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-034 WOOD-TURNING-LATHE OPERATOR	WOODWORKING	-3P	5	M--4--	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-030 SWING-TYPE-LATHE OPERATOR	WOODWORKING	-3-	4	M-34--	I---567

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.HRR SVP 123456 1234567

665. MILLING AND PLANING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 STAVE-PLANER OPERATOR — SAWMILL -1- 2 L--4-- I------
.886-014 STOVE-SAW OPERATOR — SAWMILL E -1- 2 M--4-- I-----7
.885-018 PLOW-AND-BORING MACHINE OPERAT — PLAN MILL -2P 2 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BOTTOM-TURNING-LATHE OPERATOR — COOPERAGE -2P 3 L--4-- I------
.885-022 PLYWOOD-SCARFER OPERATOR — VENEER / PLY -2- 4 H-34-- I---5--
.782-034 MORTISING-MACHINE OPERATOR — WOODWORKING -3- 4 M2-4-6 I---56-
.782-054 TIMBER-SIZER OPERATOR — PLAN MILL -3- 4 H234-6 I---567

MIN MIN MOD

.885-026 STOCK CHECKERER — FIREARMS -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 END FRAZER — SMOKING PIPE -2P 3 L--4-6 I------
.782-018 DOWEL-MACHINE OPERATOR — WOODWORKING -3- 5 M2-4-6 I---56-
.782-038 PANEL-RAISER OPERATOR — PLAN MILL -2P 5 M-34-- I---567
.782-058 VENEER JOINTER — VENEER / PLY -2P 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-026 LOCK-CORNER-MACHINE OPERATOR — WOODWORKING -3- 4 M-34-6 I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 CHUCKING-MACHINE OPERATOR — WOODWORKING -3- 5 M--4-- I---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 DADO OPERATOR — WOODWORKING -3P 5 M-34-6 I---567
.782-022 HEADER — WOOD PRESERV -3P 4 M--4-6 I---567
.782-030 LOUVER-MORTISER OPERATOR — PLAN MILL -3P 4 M--4-6 I------
.782-042 RAFTER-CUTTING-MACHINE OPERATO — PLAN MILL -3- 4 H234-6 I---567
.782-046 ROUTER OPERATOR — WOODWORKING -3P 4 M-34-6 I---567
.782-050 SHAPER OPERATOR — WOODWORKING -3P 5 H-34-- I---567

666. BORING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CORK-SHELLING-MACHINE OPERATOR — CORK PROD -1- 2 S--4-- I------
.885-010 SMOKING-PIPE DRILLER AND THREA — SMOKING PIPE -2P 2 L--4-- I------
.885-014 STEMHOLE BORER — SMOKING PIPE -1- 2 L--4-- I------
.782-014 BUNGHOLE BORER — COOPERAGE -2- 4 M--4-- I------
.782-030 PULLEY-MORTISER OPERATOR — PLAN MILL -3- 4 M--4-6 I------

666. BORING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-022 DRILLER AND PLUGGER — SPORTS EQUIP -3P 4 M234-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018 DOUBLE-END-TRIMMER-AND-BORING- — FURN -3- 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 BORING-MACHINE OPERATOR — WOODWORKING -3- 4 M-34-- I---56-
.782-026 PREFITTER DOORS — WOODWORKING -3P 4 H--4-6 I------

667. SAWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUZZSAW-OPERATOR HELPER — ANY IND. -2- 1 H-34-- O---5--
.886-014 LOG TURNER — SAWMILL -1- 2 V2-4-- I---56-
.886-018 TRIMMER HELPER — SAWMILL -1P 2 M--4-- O------
.886-022 TURNING-MACHINE-OPERATOR HELPE — BASKETRY GOO -2- 2 M--4-- I-----7
.886-026 VENEER-JOINTER HELPER — VENEER / PLY -1- 2 L--4-- I------
.886-030 WOOD CUTTER EXCELSIOR — EXCELSIOR -2P 2 M-34-- I------
.885-010 BAND-SAW OPERATOR — COOPERAGE -2P 2 H-34-- I---5--
.885-014 BAND-SAW OPERATOR — WOODWORKING -2- 2 L--4-- I------
.885-018 BEADING SAWYER — SMOKING PIPE -2- 2 L--4-- I---5--
.885-022 BLOCK SETTER — SAWMILL -2- 4 L--4-- I---567
.885-030 BUZZSAW OPERATOR — ANY IND -2P 3 V234-6 O---56-
.885-034 CIRCLE-CUTTING-SAW OPERATOR — BASKETRY -2- 2 L-34-- I---5-7
.885-038 COB SAWYER — SMOKING PIPE -2P 2 L--4-- I---567
.885-046 DOGGER — SAWMILL -2- 4 M--4-- O------
.885-054 KERFER-MACHINE OPERATOR — FURN -2- 3 L--4-- I------
.885-070 SHINGLE-SAW OPERATOR — BASKETRY -2P 2 M-34-6 I---5--
.885-078 STAVE-SAW OPERATOR — COOPERAGE -2P 4 M--4-- I-----7
.885-082 TURNING-MACHINE OPERATOR — BASKETRY COO -2P 2 L--4-6 I---5-7
.782-010 BAND-SCROLL-SAW OPERATOR — WOODWORKING -2P 5 L--4-- I---5--
.782-014 BOTTOM-SAW OPERATOR — SAWMILL -2P 4 M--4-- I------
.782-018 CASEY-SAW OPERATOR — PLAN MILL -2P 4 H-34-- I---567
.782-030 CORNER-TRIMMER OPERATOR — WOOD BOX -2P 5 M--4-- I---5--
.782-034 CROZE-MACHINE OPERATOR — COOPERAGE -2P 4 L--4-- I-----7
.782-050 GANG SAWYER — SAWMILL -2P 5 L--4-- I---5--
.782-054 GANG SAWYER AUTOMATIC — SAWMILL -2P 4 S--4-- I---5--
.782-066 HEADING-SAW OPERATOR — SAWMILL -2P 4 M--4-- I------
.782-070 JIGSAW OPERATOR — WOODWORKING -2P 4 M--4-6 I---567
.782-082 PACKAGER HEAD — SAWMILL -2- 4 M--4-- O------
.782-106 RIPSAW OPERATOR — WOODWORKING -3- 4 M--4-- I---56-
.782-122 STAVE-BOLT EQUALIZER — SAWMILL -2P 4 M--4-- I------
.782-126 STAVE-LOG-CUT-OFF SAW OPERATOR — SAWMILL -2P 4 V--4-- O------
.782-130 STAVE-LOG-RIPSAW OPERATOR — SAWMILL -2P 4 M--4-- I-----7
.782-142 TRIMMER — SAWMILL -2P 4 S--4-- I---5--

667. SAWING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.782-078	MACHINE-TANK OPERATOR	COOPERAGE	-3P	5	M--4--	I------
.782-086	POCKET CUTTER	PLAN MILL	-3-	4	M--4-6	I------
.782-098	RIP-AND-GROOVE MACHINE OPERATO	FURN	-2-	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-050	DOWEL POINTER	WOODWORKING	-2-	2	L-34-6	I---567
.885-058	SAWYER CORK SLABS	CORK PROD	-2P	2	L--4--	I---5--
.782-038	CUT-OFF-SAW OPERATOR	WOODWORKING	-3P	4	M--4--	I---56-
.780-010	KNIFE SETTER	EXCELSIOR	-2-	4	L-34--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	CANT SETTER	SAWMILL	-1-	2	M--4--	O------
.887-018	LOG ROLLER	SAWMILL	-1-	2	M--4--	O------
.887-022	DROP-SORTER OPERATOR	SAWMILL	-1-	2	M--4--	O------
.886-010	CLOTHESPIN-MACHINE OPERATOR	SHAPED WOOD	-1-	2	M--4--	I------
.885-026	BOLTER	SAWMILL	-2-	3	M--4--	I---56-
.885-042	CUT-OFF SAWYER LOG	PAPER / PULP	-2-	2	H2-4--	I------
.885-066	SHINGLE TRIMMER	SAWMILL	-2P	4	L--4--	I---5--
.885-074	SLASHER OPERATOR	PAPER / PULP	-2P	2	M--4--	I---5--
.782-046	EDGER, AUTOMATIC	SAWMILL	-2P	5	S--4--	I---5--
.782-074	LOG-CUT-OFF SAWYER AUTOMATIC	SAWMILL	-2-	5	S--4--	I---5--
.782-102	RIPSAW MATCHER	WOODWORKING	-2P	4	M--4--	I---56-
.782-110	ROCK SAWYER	SAWMILL	-2P	4	M--4--	O------
.782-118	SHAKE SAWYER	SAWMILL	-2P	4	M--4--	I---36-
.782-138	STOCK-PATCH SAWYER	WOODWORKING	-2P	4	M--4--	I------
.687-010	CEDAR CHECKER	SAWMILL	-2-	3	L--4--	O------
.382-010	STOCK GRADER	WOODWORKING	-2P	5	M2-4-6	I---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-022	CHUCKING-AND-SAWING-MACHINE OP	WOODWORKING	-3-	4	L--4--	I---5--
.782-026	CORNER-BRACE-BLOCK-MACHINE OPE	FURN	-2-	4	M--4--	I------
.782-146	VARIETY-SAW OPERATOR	WOODWORKING	-3-	4	M--4-6	I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-134	STOCK CUTTER	PLAN MILL	-2P	4	M--4-6	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-062	SHINGLE SAWYER	SAWMILL	-3P	4	M-34--	I---56-
.782-090	RADIAL-ARM-SAW OPERATOR	CONST WOODWO	-3P	4	M--4-6	I---56-

668. CHIPPING.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-018 PROFILE-SHAPER OPERATOR AUTOMA WOODWORKING -2- 5 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 CHIPPER PAPER / PULP -1- 2 M2-4-- I---56-
.885-014 CHIPPER, LOG PAPER / PULP -2- 2 M--4-- I---5--
.885-018 KNIFE SETTER GRINDER MACHINE PAPER / PULP -2- 3 M--4-- I------
.885-022 DROP-SORTER OPERATOR SAWMILL -1- 2 M--4-- O------
.782-010 CHIPPING-MACHINE OPERATOR WALLBOARD -3- 5 M-345- I---5--
.782-014 FLAKE-CUTTER OPERATOR WALLBOARD -2- 4 M--4-- B---56-

669. WOOD MACHINING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BOX-BLANK-MACHINE-OPERATOR HEL WOOD BOX -2- 2 M-34-- I---5--
.886-014 CHAIN OFFBEARER PLAN MILL SA -1P 2 M--4-- I----6-
.886-018 REED-PRESS FEEDER WALLBOARD -1P 2 L--4-- I------
.886-022 WOODWORKING-MACHINE FEEDER WOODWORKING -1- 2 M--4-- I---5--
.885-010 APRON TENDER VENEER / PLY -1P 2 L--4-- I------
.885-014 BARREL-ASSEMBLER HELPER COOPERAGE -2- 2 M--4-- I------
.885-022 BLIND-SLAT-STAPLING-MACHINE OP PLAN MILL -1P 2 L--4-- I------
.885-026 BOTTOM-HOOP DRIVER COOPERAGE -2- 3 M--4-- I------
.885-030 CLAMPER WOODWORKING -1- 2 M--4-- I------
.885-034 COAT-HANGER-SHAPER-MACHINE OPE SHAPED WOOD -2P 3 M--4-- I---5-7
.885-038 CORE-LAYING-MACHINE OPERATOR VENEER / PLY -2P 4 M--4-6 I------
.885-042 CORRUGATED-FASTENER DRIVER WOODWORKING -2- 2 L-34-- I----0-
.885-050 DOWELING-MACHINE OPERATOR WOODWORKING -2P 3 L-34-- I------
.885-054 FRAME-TABLE-OPERATOR HELPER WOOD PRESERV -1P 2 L-34-- O----6-
.885-058 GLUE-JOINTER HELPER FURN -2P 2 M--4-- I---5--
.885-066 NAILING-MACHINE OPERATOR AUTOM ANY IND -2- 2 L--4-- I------
.885-070 NAILING-MACHINE OPERATOR AUTOM COOPERAGE -2P 2 M--4-- I------
.885-074 RIVETER WOOD BOX -2P 2 M--4-- I------
.885-078 SLAT-BASKET MAKER MACHINE BASKETRY -2P 4 L-34-6 I---5--
.885-086 STITCHING-MACHINE OPERATOR COOPERAGE -1- 2 M-34-- I---5--
.782-030 DOWEL-INSERTING-MACHINE OPERAT PLAN MILL -2- 4 M--4-- I---5--
.782-038 END STAPLER WOOD BOX -1P 5 L--4-- I---5--
.782-046 INLETTER FIREARMS -2P 4 L--4-6 I------
.782-070 TIP INSERTER SHAPED WOOD -2P 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 ADZING-AND-BORING-MACHINE OPER WOOD PRESERV -3- 5 L234-- I----6-

669. WOOD MACHINING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

			PHYS.D	WK	COND
			HRP	SVP	123456 1234567
.887-010	LUMBER STRAIGHTENER	SAWMILL	-1P	2	M--4---I---56-
.885-018	BASKET ASSEMBLER	BASKETRY	-3P	2	L-34-6 I---5--
.885-046	DOVETAIL-MACHINE OPERATOR	WOOD BOX	-2P	2	M--4-- I---5--
.885-062	HEADING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4-- I---5--
.885-082	SQUEEZER OPERATOR	WOOD BOX	-2-	3	M--4-- I------
.885-090	TURNER	SMOKING PIPE	-2-	3	L--4-- I---5-7
.885-094	VENEER REPAIRER MACHINE	VENEER / PLY	-2-	2	L--4-- I------
.782-014	BARREL ASSEMBLER	COOPERAGE	-3P	4	M--4-6 I---56-
.782-022	BUCKET TURNER	COOPERAGE	-2P	4	M--4-- I-----7
.782-026	CHUCKING-AND-BORING MACHINE OP	FURN	-2-	4	L--4-6 I---56-
.782-034	EMBOSSING-MACHINE OPERATOR	MIRROR / PIC	-2-	4	L--4-6 I------
.782-058	NAILING-MACHINE OPERATOR	ANY IND	-2-	4	M--4-- I---56-
.782-062	PLUGGING-MACHINE OPERATOR	WOODWORKING	-3P	4	M--4-- I------
.687-010	DOWEL INSPECTOR	WOODWORKING	-2-	2	S--4-6 I------
.687-014	VENEER MATCHER	VENEER / PLY	-3-	2	L--4-6 I------
.587-014	VENEER GRADER	VENEER / PLY	-3-	2	L-34-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-018	BOX-BLANK-MACHINE OPERATOR	WOOD BOX	-2-	4	L--4-- I---5--
.782-050	LAST TRIMMER	LASTS / REL	-2P	4	M--4-6 I---5--
.782-054	LINDERMAN OPERATOR	WOODWORKING	-3-	5	M--456 I---5--
.587-010	GRADER	WOODWORKING	-3-	4	L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-042	FRAME-TABLE OPERATOR	WOOD PRESERV	-3P	5	M-34-- O------
.782-066	TENONER OPERATOR	WOODWORKING	-3-	4	M-34-- I---567
.782-074	WOODWORKING-MACHINE OPERATOR	WOODWORKING	-3-	4	M234-6 I---5-7

MACHINING OF NONMETALLIC MINERALS (670.-679.)

Occupations in this area are concerned with shaping stone, clay, glass, and similar materials for products by removing excess material from stock or objects by such means as cutting, boring, grinding, milling, and planing.

The various occupations in this area demand all eight different combinations of cognitive capabilities. More than a third have minimum cognitive demands. There are also concentrations of occupations demanding moderate mathematics only, moderate perceptual processing only, combined language and perceptual processing, and combined mathematics and perceptual processing. Perceptual processing demands derive from activities such as inspecting materials and products for surface and internal defects, grading materials by color and quality, and evaluating the extent of surface imperfection caused by a scratch. Mathematics demands derive from activities such as interpreting numerical specifications for products; setting up machinery to achieve specified dimensions; verifying that finished dimensions of a product are within tolerances; and using devices such as tape measures, protractors, squares, dividers, micrometers, and dial gauges. Language demands derive from activities such as the interpretation of specialized terminology in written product specifications, verbal communications between supervisor and worker, and recording production information such as the number and types or grades of product produced.

Psychomotor skill is commonly demanded for machine control, use of hand tools, and the manipulation of small parts such as lenses or watch jewels. Mechanical skills may be an asset for the setup of equipment and minor maintenance, especially the replacement of abrasive and cutting components which wear rapidly.

Automation is an important trend in this area which holds down the growth of new opportunities and reduces the demand for highly skilled psychomotor activities.

670. STONECUTTTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 STONE TRIMMER — STONEWORK -1P 3 M--4-6 I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 CRYSTAL CUTTER — ELECTRONICS -3P 4 L--4-- I------

PHYS.D WK COND
HRP SVP 123456 1234567

673. ABRADING AND POLISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND		
			HRP	SVP	123456	1234567	
.887-010	JOINER	GLASS MFG	-2P	2	M--4--	I------	
.886-010	BURR GRINDER	OPTICAL GOOD	-1P	1	L--4--	I------	
.886-014	LAYER	GLASS MFG	-2P	2	M2-4--	I------	
.886-018	LENS EDGER AUTOMATIC	OPTICAL GOOD	-1-	2	L--4-6	I------	
.886-022	STRIPPER	GLASS MFG	-2P	2	H--4--	I------	
.886-026	WEBER-EDGER OPERATOR	GLASS MFG	-1-	2	M-----	I------	
.885-014	BED RUBBER	STONEWORK	-3-	4	H--4--	I------	
.885-022	BLOCKER	GLASS MFG MI	-3P	2	H--4--	I------	
.885-030	CONVEX-GRINDER OPERATOR	BUTTON	-1-	2	S--4-6	I------	
.885-042	GRINDING-MACHINE OPERATOR AUTO	BUTTON	-1-	2	S--4--	I------	
.885-054	LEVEL-VIAL INSIDE GRINDER	CUT TOOLS	-2-	3	L--4--	I------	
.885-058	MICROMACHINE OPERATOR	OPTICAL GOOD	-2-	2	L--4--	I------	
.885-062	NOTCH GRINDER	GLASS PROD	-2P	2	S--4--	I------	
.782-038	SLAB GRINDER	STONEWORK	-2P	5	L--4--	I------	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-034	DIAMOND-DUST TECHNICIAN	ABRASIVE / P	-3-	3	M--4--	I------	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010	ABRASIVE GRINDER	ABRASIVE / P	-2P	2	L--4--	I------	
.885-018	BEVELER	GLASS PROD	-2P	3	M--4--	I---6-	
.885-046	LENS-EDGE GRINDER MACHINE	OPTICAL GOOD	-2-	2	L--4--	I------	
.782-018	FINISH OPENER JEWEL HOLE	CLOCK / WATC	-3P	5	L--4-6	I------	

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-050	LENS-GENERATING-MACHINE TENDER	OPTICAL GOOD	-2P	3	L--4--	I--45--	
.885-074	STRIP POLISHER	STONEWORK	-3P	2	M--4--	I---5--	
.782-014	FINGER-GRIP-MACHINE OPERATOR	MIRROR	-3-	4	M--4--	I------	

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-038	FUSION-JUNCTURE GRINDER	OPTICAL GOOD	-3-	3	L--4-6	I---5--	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-066	STONE ROUGHER	OPTICAL GOOD	-2P	2	L--4-6	I--45--	
.885-070	STRAIGHT-LINE EDGER	GLASS MFG MI	-3P	3	H--4--	I------	
.782-030	MITER GRINDER OPERATOR	GLASS MFG MI	-3-	4	M--4--	I------	
.782-034	SANDBLASTER STONE	STONEWORK	-3P	5	M--4-6	I---567	
.782-046	STONE POLISHER MACHINE	STONEWORK	-3P	4	M--4--	I--4---	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-026	BLOCKER AUTOMATIC	GLASS MFG MI	-2P	2	H--4--	I------	
.782-010	BEVELING-AND-EDGING-MACHINE OP	GLASS MFG MI	-3P	4	M--4--	I------	

673. ABRADING AND POLISHING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-022 LENS-BLANK FINISHER — OPTICAL GOOD -3- 4 M--4-- I------
.782-026 LENS-BLANK-THICKNESS GRINDER — OPTICAL GOOD -3- 4 L--4-- I------

674. TURNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-014 GLASS-LATHE OPERATOR — ELECTRONICS -3P 4 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 FINISHING-MACHINE OPERATOR — ABRASIVE / P -3P 5 H--4-- I---5-7

675. PLANING AND SHAPING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 CONTOUR GRINDER — STONEWORK -3P 5 M--4-- I--45--
.782-018 PLANER STONE — STONEWORK -3P 5 H--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 PLANER OPERATOR — ELEC EQUIP -3P 5 L--4-6 I---5-7

676. BORING AND PUNCHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 DRILLER — OPTICAL GOOD -1P 3 S--4-- I------
.885-014 DRILLER MACHINE — GLASS PROD -2P 3 M-34-6 I------
.782-010 DRILLER MULTIPLE-SPINDLE — MIRROR -2P 4 M-34-6 I------

677. CHIPPING, CUTTING, SAWING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BEVELING-AND-EDGING-MACHINE-OP — GLASS MFG MI -1P 2 M--4-- I------
.885-018 GLASS-LITE CUTTER-OFF, HEAVY — GLASS MFG -2P 2 H--4-- I------
.885-034 STONE SPLITTER — CONC PROD -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-026 SPLITTER OPERATOR — STONEWORK -2P 2 H--4-- O---5--
.885-030 SPLITTING-MACHINE OPERATOR — STONEWORK -2P 3 L--4-- O------

677. CHIPPING, CUTTING, SAWING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.782-030	REFRACTORY-GRINDER OPERATOR	BRICK / TILE	-2P	4	M--4--	I---567
.782-034	RIPSAWYER STONE	STONEWORK	-3-	5	H2-4--	I---5--
.782-042	TENONER OPERATOR	WALLBOARD	-2-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014	SAWYER	PIPE / BOILE	-2-	2	M--4--	I------
.782-010	BATT-MACHINE OPERATOR INSULATI	WALLBOARD	-2-	5	M234--	I----6-
.782-014	CIRCULAR SAWYER STONE	STONEWORK	-3P	4	M--4--	I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022	GLASS-CUT-OFF-MACHINE UNLOADER	GLASS MFG	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010	CARBON CUTTER	ELEC EQUIP	-2P	4	L--4--	I---5--
.885-014	GLASS CUTTER	OPTICAL GOOD	-2P	3	H--4--	I------
.782-022	GLASS-CUT-OFF-MACHINE OPERATOR	GLASS MFG	-2-	4	L--4--	I------
.782-046	WIRE SAWYER	STONEWORK	-3-	5	M--4--	I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018	CUTTING-MACHINE OPERATOR AUTOM	GLASS MFG	-3-	4	L234-6	I------

679. MACHINING, NONMETALLIC MINERALS AND RELATED MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	ASBESTOS-SHINGLE SHEARING-MACH	ASBESTOS PRO	-1-	2	M--4--	I------
.885-010	BUTTON-FACING-MACHINE OPERATOR	BUTTON	-2-	2	L--4--	I---5--
.884-010	BED SETTER	STONEWORK	-2P	3	M-34--	I--4-6-
.782-010	BANDING-MACHINE OPERATOR	POTTERY / PO	-2-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-018	TURNING-AND-BEADING-MACHINE OP	NEEDLE PIN	-2P	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014	LEVEL-GLASS-FORMING-MACHINE OP	CUT TOOLS	-2P	2	L--4-6	I------
.687-010	ASBESTOS-SHINGLE INSPECTOR	ASBESTOS PRO	-2-	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-014	DECORATING-MACHINE OPERATOR	GLASS MFG	-3-	4	L--4-6	I---5--
.782-018	SALVAGER	ELEC EQUIP	-3P	5	M--4-6	I------
.782-022	STAMPER MACHINE	POTTERY / PO	-3P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.587-010	STONE GRADER	MINING / QUA	-2-	4	M--4--	B------

TEXTILE MACHINE WORK (680.-689.)

Occupations in this area are concerned with spinning, weaving, shaping, joining, and otherwise fabricating textiles, textile products, fur, and hair.

The various occupations in this area demand cognitive capabilities in all eight combinations. About half of the occupations make only minimum cognitive demands. An additional third of the occupations demand only perceptual processing and there is an additional concentration of occupations demanding a combination of language and perceptual processing capabilities. Perceptual processing demands derive primarily from activities in quality inspection for defects such as knotted, loose, or broken thread and broken patterns. Language demands derive from activities such as interpreting the special terminology used in the textile industries, understanding written and verbal work specifications, and recording production and malfunction information. Mathematical demands derive from activities such as weighing yarn samples, plotting weights of samples on graph paper, measuring yardage, counting the number of warp and filling threads per square inch of sample materials, and weighing specified proportions of graded materials according to formulas.

Operational control of machinery demands psychomotor skill in a number of occupations, although automation is steadily decreasing this aspect and replacing it with monitoring and contingency-handling responsibilities. Mechanical skills can be a definite asset for minor maintenance of equipment.

Textile industries have been leaders in mechanization and automation. These trends have tended to limit job opportunities in textile occupations.

680. CARDING, COMBING, DRAWING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D	WK	COND
				HRP	SVP	123456 1234567
.887-010	APRON CLEANER	ASBESTOS PRO	-1-	2	M--4--	I-----7
.887-014	DROP-WIRE HANGER	TEXTILE	-1P	2	L-34--	I------
.887-018	ROLLER CLEANER	TEXTILE	-1P	2	L--4--	I-----7
.886-010	CAN DOFFER	TEXTILE	-2-	2	M-34--	I-----7
.886-014	MACHINE FEEDER RAW STOCK	FELT GOODS H	-2-	2	H-34--	I------
.885-010	CARD STRIPPER	TEXTILE	-2-	3	M-34--	I-3-5-7
.885-014	CARD TENDER	ASBESTOS PRO	-2P	2	V-34--	I-3-5-7
.885-022	COMBER TENDER	TEXTILE	-2P	3	M--4--	I---5--
.885-038	FINISHER-CARD TENDER	ASBESTOS PRO	-3P	2	M--4--	I---56-
.885-042	GILL-BOX TENDER	TEXTILE	-3P	3	H--4--	I---5--
.885-046	LEASING-MACHINE TENDER	TEXTILE	-3P	2	L--4--	I------
.885-050	MIDDLE-CARD TENDER	TEXTILE	-3P	2	L-34--	I---5--
.885-062	OPENER TENDER	TEXTILE	-2-	2	M-34--	I-----7
.885-070	PICKER-MACHINE OPERATOR	MATT / BEDSP	-2P	2	V--4--	I---5-7
.885-074	PICKING-MACHINE OPERATOR	ANY IND	-2P	2	M-34--	I---5-7
.885-078	RIBBON-LAP MACHINE TENDER	TEXTILE	-3P	2	M--4--	I-3-5-7

PHYS.D WK COND
HRP SVP 123456 1234567

680. CARDING, COMBING, DRAWING, AND RELALTED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-086 SLIVER-LAP-MACHINE TENDER TEXTILE -3P 2 M-34-- I-3-5-7
.885-090 SLUBBER TENDER TEXTILE -3P 3 L--4-- I-3-5-7
.885-110 WASTE-MACHINE TENDER TEXTILE WAST -2- 2 L--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-098 STAPLE-PROCESSING-MACHINE OPER TEXTILE -2P 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-082 SILK SPREADER TEXTILE -2- 3 L--4-6 I------
.885-106 STRETCH-BOX TENDER TEXTILE -2P 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 DRAW-FRAME TENDER CORD / TWINE -2P 2 V-34-- I---567
.885-030 DRAW-MACHINE OPERATOR SYNTHETIC FI -2- 3 L--4-6 I------
.885-034 DRAWING-FRAME TENDER TEXTILE -3P 3 M--4-- I-3-5-7
.885-094 STAPLE CUTTER TEXTILE -2P 2 M-34-- I------
.885-102 STRAND-AND-BINDER CONTROLLER WALLBOARD -3P 2 L--4-- I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-066 PICKER TENDER TEXTILE -3P 3 V-34-- I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-054 MIXER HAT / CAP -3- 3 L--4-- I-----7
.885-058 MIXING-MACHINE OPERATOR BRUSH -3- 2 M--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-018 CHOPPED-STRAND OPERATOR GLASS MFG. -2- 2 L--4-- I---5--
.387-010 ROVING SIZER TEXTILE -3- 3 M--4-- I------

681. TWISTING, BEAMING, WARPING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WARP-YARN SORTER TEXTILE -1- 2 M-34-- I------
.886-010 BEAM RACKER TEXTILE -1- 2 V-34-- I------
.886-014 BEAMER HELPER TEXTILE -1P 2 M--4-6 I------
.885-010 BALL-WARPER TENDER TEXTILE -2P 3 M--4-- I------
.885-022 CARDING-MACHINE OPERATOR TRIM / STAMP -1- 2 S--4-- I------
.885-034 DOUBLING-MACHINE OPERATOR KNIT GOODS T -1- 2 L-34-- I---5--
.885-046 PRECISE WINDER TEXTILE -2- 2 L--4-- I---5--
.885-058 ROPE MAKER MACHINE ASBESTOS PRO -3P 3 M--4-- I---7
.885-066 RUBBER-THREAD SPOOLER SPORTS EQUIP -3P 2 L--4-6 I------
.885-070 SELVAGE-MACHINE OPERATOR TEXTILE -2P 2 L--4-- I---5--

681. TWISTING, BEAMING, WARPING, AND RELATED WORK (CONT.)

.885-082	SKEINER	NARROW FABRI	-2P	2	M--4--	I------	
.885-086	SPEEDER TENDER	TEXTILE	-3P	2	L--4--	I-3-5-7	
.885-098	SPOOLING-MACHINE OPERATOR	TRIM / STAMP	-1P	2	S--4--	I------	
.885-102	STRAND-FORMING-MACHINE OPERATO	CORD / TWINE	-2P	3	H--4--	I---5--	
.885-118	TWISTING-MACHINE TENDER	FIBER RUGS	-3P	4	M-34--	I---5--	
.885-122	UPTWISTER TENDER	TEXTILE	-1-	3	M-34-6	I---5-7	
.885-126	WARP SPOOLER	NARROW FABRI	-2-	3	M--4--	I------	
.885-130	WARP-TYING-MACHINE TENDER	TEXTILE	-3P	4	L-34-6	I---5-7	
.885-142	YARN-TEXTURING-MACHINE OPERATO	TEXTILE	-1P	3	L--4--	I---5--	
.782-014	ROPE-MAKER ROPEWALK	CORD / TWINE	-2P	4	H--4--	I---5--	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-050	QUILLING-MACHINE OPERATOR AUTO	NARROW FABRI	-3P	3	L--4--	I------	
.885-074	SINGE WINDER	TEXTILE	-3P	3	L-34--	I---5--	

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	YARN CLEANER	ANY IND	-3-	2	L--4--	I------	
.885-026	COILER	CORD / TWINE	-3P	2	V--4--	I------	
.885-030	COVERING-MACHINE OPERATOR	TEXTILE	-3P	4	M--4-6	I------	
.885-038	GAS-REEL TENDER	TEXTILE	-1P	3	L--4--	I------	
.885-042	LONG-CHAIN BEAMER	TEXTILE	-3P	3	H--4--	I------	
.885-054	REELING-MACHINE OPERATOR	TEXTILE	-3P	3	L-34--	I------	
.885-062	ROPE-LAYING-MACHINE OPERATOR	CORD / TWINE	-3P	3	M--4--	I---567	
.885-078	SKEIN WINDER	HOSIERY KNIT	-3P	3	L--4--	I---5--	
.885-090	SPINNING-MACHINE TENDER	CORD / TWINE	-2P	2	H--4--	I---567	
.885-094	SPLITTER	TEXTILE	-3P	3	M--4--	I------	
.885-106	THROWER	SYNTHETIC FI	-3P	4	L--4-6	I-345--	
.885-110	TWISTER TENDER	ASBESTOS PRO	-3P	3	L-34--	I---5--	
.885-134	WARPER	NARROW FABRI	-3P	4	M--4--	I------	
.885-138	YARN WINDER	ANY IND	-2P	3	L-34--	I---5--	
.782-018	RUG SETTER AXMINSTER	CARPET / RUG	-3P	5	M--4-6	I------	
.782-022	RUG SETTER VELVET	CARPET / RUG	-2P	5	M--4-6	I------	
.687-010	THREAD INSPECTOR	SYNTHETIC FI	-2-	3	L--4-6	I------	
.687-014	YARN EXAMINER	GLASS MFG SY	-2-	3	M--4-6	I------	
.685-010	COVERING-MACHINE-OPERATOR HELP	TEXTILE	-2-	3	L--4-6	I------	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014	BEAM-WARPER TENDER AUTOMATIC	ASBESTOS PRO	-3P	4	L--4--	I-----7	
.885-018	BEAMER	TEXTILE	-3P	3	M--4-6	I------	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-114	TWISTER TENDER PAPER	CORD / TWINE	-3P	4	M--4--	I---56-	
.782-010	DRESSER TENDER	TEXTILE	-3P	4	H--4--	I------	

682. SPINNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-014	BOBBIN WINDER SEWING MACHINE	TEXTILE	-3P	3	L--4--	I------
.885-018	SPINNER FRAME	ASBESTOS PRO	-3P	3	L-34--	I---5-7
.885-026	TWISTER	CORD / TWINE	-1-	3	L--4--	I------
.687-010	ROVING-WEIGHT GAGER	TEXTILE	-2-	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	TRAVELER CHANGER	TEXTILE	-1-	2	L-34--	I-3-5-7
.885-022	SPINNER MULE	ASBESTOS PRO	-3P	4	L-34--	I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010	BOBBIN WINDER MACHINE	CORD / TWINE	-3P	2	L--4--	I------

683. WEAVING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	DRAWER-IN HELPER HAND	NARROW FABRI	-2-	2	M-34--	I------
.887-014	HANDER-IN	NARROW FABRI	-2-	2	S--4-6	I---5--
.887-018	HOOK PULLER	NARROW FABRI	-1-	1	L--4--	I------
.887-022	LINGO CLEANER	TEXTILE	-2P	2	L--4--	I------
.886-010	BATTERY LOADER	TEXTILE	-2-	2	L-34--	I---5-7
.885-022	DRAWING-IN-MACHINE-TENDER HELP	TEXTILE	-3-	4	H--4--	I------
.885-026	LEASE-OUT WORKER	TEXTILE	-2P	3	V-34--	I-345--
.885-030	PATTERN DUPLICATOR	TEXTILE	-1-	2	L--4--	I------
.782-054	WEAVER NARROW FABRICS	ASBESTOS PRO	-3-	5	L-34-6	I---5--
.780-010	HARNESS PLACER	TEXTILE	-2-	4	H-34--	I---5--
.780-014	HEDDLES TIER JACQUARD LOOM	NARROW FABRI	-2P	5	L234-6	I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-010	WARP-TENSION TESTER	TEXTILE	-2-	2	L-34--	I-345--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026	LOOM CHANGEOVER OPERATOR	FIBER RUGS	-2P	3	L-34-6	I---5--
.885-010	CARD CHANGER JACQUARD LOOMS	NARROW FABRI	-2P	4	M2-4--	I---56-
.885-014	CARD LACER JACQUARD	NARROW FABRI	-2-	2	L-34--	I------
.885-018	DRAWER-IN HAND	NARROW FABRI	-2P	4	L--4-6	I---5--
.885-034	SMASH HAND	NARROW FABRI	-2P	3	L-34-6	I---5--
.885-038	TWISTER-IN	NARROW FABRI	-3P	4	L--4-6	I---5--
.885-042	WEAVER AXMINSTER	CARPET / RUG	-2P	4	M--4-6	I------
.885-046	WEAVER NEEDLE LOOM	NARROW FABRI	-3P	4	L-34-6	I---5--
.782-010	CARD CUTTER JACQUARD	NARROW FABRI	-3P	5	L--4-6	I------
.782-014	CARPET WEAVER	CARPET / RUG	-3P	4	L-34-6	I---5--
.782-018	CARPET WEAVER JACQUARD LOOM	CARPET / RUG	-3P	4	L-34-6	I---5--

683. WEAVING AND RELATED WORK (CONT.)

.782-022	DRAWING-IN-MACHINE TENDER	TEXTILE	-3P	5	H--4-6 I------
.782-026	JACQUARD-LOOM WEAVER	NARROW FABRI	-3P	5	L-34-6 I---5--
.782-030	JACQUARD-LOOM WEAVER	TEXTILE	-3P	5	L-34-6 I-345-7
.782-038	PLUSH WEAVER	TEXTILE	-3-	4	L-34-6 I---5--
.782-042	WEAVER	ASBESTOS PRO	-3P	5	L-34-6 I---5-7
.782-046	WEAVER	FIBER RUGS P	-3P	5	M23456 I---5--
.782-050	WEAVER APPRENTICE	ASBESTOS PRO	-3P	5	L-34-6 I---5-7
.782-058	WEAVER TIRE CORD	TEXTILE	-3P	4	L-34-- I---5--
.781-010	CHAIN BUILDER LOOM CONTROL	TEXTILE	-2-	5	L--4-- I------
.684-010	HARNESS PULLER	TEXTILE	-2P	4	L--4-6 I---5--
.684-014	WEAVING INSPECTOR	TEXTILE	-3P	3	L--4-6 I------
.384-010	PATTERN-LEASE INSPECTOR	TEXTILE	-2-	4	L-34-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.487-010	BELTING-AND-WEBBING INSPECTOR	NARROW FABRI	-2-	2	L--4-6 I------

684. HOSIERY KNITTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	CLIPPER MACHINE	HOSIERY	-1-	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010	KNITTING-MACHINE OPERATOR FULL	HOSIERY	-3P	5	L--4-- I---5--
.687-018	SIZER	HOSIERY	-2-	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014	STOCKING RIBBER	HOSIERY	-3-	3	L--4-- I------
.782-014	TRANSFER KNITTER	HOSIERY	-3-	4	L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-010	SEAMLESS-HOSIERY KNITTER	HOSIERY	-3-	3	L-34-- I------
.687-010	PAIRER	HOSIERY	-3-	4	L--4-6 I------
.687-014	RE-INSPECTOR	HOSIERY	-3-	4	L--4-6 I------
.684-010	STOCKING INSPECTOR	HOSIERY	-3-	3	S--4-- I------

685. KNITTING, EXCEPT HOSIERY

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CUFF FOLDER	KNIT GOODS	-1-	2	S--4-- I------
.887-014	FORMER	KNIT GOODS	-1-	2	L--4-- I------
.887-022	NEEDLE CLEANER	KNIT GOODS	-2-	2	M--4-- I------

685. KNITTING, EXCEPT HOSIERY (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D WK COND 123456 1234567
.887-026	PAD SUPPLIER	KNIT GOODS	-2-	3	M--4-6	I------
.887-030	PAD CHANGER	KNIT GOODS	-2-	2	M--4--	I------
.887-034	PRESS HAND	KNIT GOODS	-1-	2	L--4--	I------
.887-038	ROLLER	KNIT GOODS	-1-	1	L--4--	I------
.887-042	TOPPER	KNIT GOODS	-2P	2	S--4-6	I---5--
.986-010	FRINGING-MACHINE OPERATOR	KNIT GOODS	-1P	2	L--4--	I------
.886-014	KNITTING-MACHINE OPERATOR HELP	KNIT GOODS	-2P	2	M-34--	I---5--
.885-014	CIRCULAR KNITTER	KNIT GOODS	-3-	3	H-34--	I---5--
.885-018	FLAT KNITTER	KNIT GOODS	-3-	3	M-34--	I---5--
.885-022	KNITTER FULL-FASHIONED GARMENT	KNIT GOODS	-3P	4	L--4--	I---5--
.885-030	KNITTING-MACHINE OPERATOR	CORD / TWINE	-3-	4	L--4--	I------
.782-018	SURGICAL-ELASTIC KNITTER HAND	SURGICAL APP	-3P	5	L--4-6	I------
.781-010	JACQUARD-PLATE MAKER	KNIT GOODS	-2-	5	L--4-6	I------
.780-010	THREADER	KNIT GOODS	-2P	5	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	LACE WINDER	TEX PROD NEC	-2P	2	L--4--	I------
.885-026	KNITTING-MACHINE OPERATOR	KNIT GOODS	-3P	3	H--4--	I---5--
.782-010	CROCHET-MACHINE OPERATOR	KNIT GOODS	-2P	4	L--4-6	I------
.687-014	DISH-CLOTH INSPECTOR	KNIT GOODS	-1-	3	L--4-6	I------
.687-018	FINISHED-STOCK TENDER	KNIT GOODS	-2-	3	M--4-6	I------
.687-022	PATROLLER	KNIT GOODS	-2-	2	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-034	WARP-KNITTING-MACHINE OPERATOR	KNIT GOODS	-3P	4	M-34-6	I---5--
.687-010	CLOTH INSPECTOR	KNIT GOODS	-2P	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010	PATTERN ASSEMBLER	KNIT GOODS	-3P	2	L--4-6	I------

686. PUNCHING, CUTTING, FORMING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	ACETONER	GARMENT	-1-	2	L--4--	I------
.886-014	FELT-TIPPING-MACHINE TENDER	PEN / PENCIL	-1-	1	L--4--	I------
.885-010	CHIN-STRAP CUTTER	HAT / CAP	-2-	2	L--4--	I------
.885-018	CUFF CUTTER	GARMENT GLOV	-2-	3	M-34--	I------
.885-022	CUTTER	HOUSE FURN	-2P	2	M--4--	I------
.885-038	HANDLE-AND-VENT-MACHINE OPERAT	MATT / BEDSP	-2-	2	L--4--	I------
.885-046	PERFORATING-MACHINE OPERATOR	HAT / CAP	-2-	2	L--4--	I---5--
.885-050	PINKING-MACHINE OPERATOR	BOOT / SHOE	-2P	2	S--4--	I------
.885-054	PRESS OPERATOR	SURGICAL APP	-1-	3	L--4--	I------
.885-058	RIVET-HOLE PUNCHER	GARMENT	-2-	2	L--4-6	I------
.885-062	ROSETTE-MACHINE OPERATOR	TRIM / STAMP	-2P	3	L--4-6	I------
.885-078	WELT-TRIMMING-MACHINE OPERATOR	HAT / CAP	-2P	3	L--4--	I---5--

686. PUNCHING, CUTTING, FORMING, AND RELATED WORK (CONT.)

.782-010	BAND-SAW OPERATOR	FELT GOODS	-2P	4	M--4--	I---56-
.782-014	BIAS-CUTTING-MACHINE OPERATOR	KNIT GOODS T	-3P	4	M--4--	I------
.782-022	FELT-CUTTING-MACHINE OPERATOR	FELT GOODS	-2P	4	M-----	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-026	CUTTING-MACHINE OPERATOR	TEX BAG	-3P	2	H--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030	FELT CUTTER	AMMUNITION	-2-	2	L-34--	I------
.885-074	STRIP-CUTTING-MACHINE OPERATOR	ANY IND	-3P	2	H--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014	CONTINUOUS PILLOWCASE CUTTER	TEXTILE	-2-	3	M--4--	I------
.885-034	FOLDER	NARROW FABRI	-2P	2	L--4-6	I------
.885-042	NICKING-MACHINE OPERATOR	GARMENT TEXT	-2P	3	M--4-6	I------
.885-066	SCALLOP CUTTER MACHINE	EMBROID	-2P	2	L--4--	I------
.885-070	SHOELACE-TIPPING-MACHINE OPERA	NARROW FABRI	-2-	2	H-34--	I------
.782-026	RUG CUTTER	FIBER RUGS	-2P	4	M-34-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018	DIE-CUTTING-MACHINE OPERATOR A	FELT GOODS T	-3P	4	L--4-6	I------

689. TEXTILE MACHINE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CLOTH FRAMER	TEXTILE	-2P	2	M--4--	I------
.887-014	CLOTH-EDGE SINGER	TEXTILE	-1P	2	L-34--	I------
.887-018	CREELER	ANY IND	-1-	2	M-34-6	I---5--
.887-022	DROP-WIRE BUILDER	TEXTILE	-2-	2	L-34--	I---4--
.887-026	FRAME HAND	EMBROID	-2P	2	M--4--	I---5--
.887-034	NUMBERER AND WIRER	TEXTILE	-2P	2	L--4--	I------
.887-038	OIL-SPOT WASHER	TEXTILE	-1-	2	L--4--	I------
.887-046	PICK REMOVER	TEXTILE	-2P	2	M--4--	I------
.887-050	RUG CLEANER	CARPET / RUG	-1-	2	L--4-6	I------
.887-054	SHUTTLER	EMBROID	-2-	2	L--4-6	I---5--
.887-058	SINGER	NARROW FABRI	-1P	2	L--4--	I------
.887-062	SPANNER	EMBROID	-2P	2	L--4--	I------
.887-070	TOW MOVER	CORD / TWINE	-1-	1	L-34--	I---5-7
.886-010	BOBBIN-CLEANING-MACHINE OPERAT	TEXTILE	-2P	2	L--4--	I---5--
.886-014	WASTE CHOPPER	WASTE / BATT	-2P	2	L-34--	I---5-7
.886-022	CLOTH-SKEINING-REEL-OPERATOR H	TEXTILE	-2P	1	M--4--	I------
.886-026	CUTTING-MACHINE OFF-BEARER	TEX BAG	-2-	2	L--4--	I------
.886-030	DOFFER	ASBESTOS PRO	-2P	2	M-34--	I---5-7
.886-034	FALES-MACHINE-OPERATOR HELPER	WASTE / BATT	-2-	2	M-34--	I------

689. TEXTILE MACHINE WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.886-038	FRAME CHANGER	TEXTILE	-1-	2	L--4--	I------
.886-042	HAIR-SPINNING-MACHINE OPERATOR	FUR DRESSING	-2-	1	H--4--	I--4--7
.886-046	SHUTTLE HAND	TEXTILE	-2P	2	L--4-6	I---5-7
.886-050	SLUBBER DOFFER	TEXTILE	-1-	2	L--4-6	I---5--
.886-054	SPOOLER OPERATOR AUTOMATIC	TEXTILE	-2-	2	L--4--	I------
.886-058	UTILITY WORKER, WOOLEN MILL	TEXTILE	-2P	2	H-34--	I--4---
.885-014	BALL-FRINGE-MACHINE OPERATOR	TRIM / STAMP	-1-	3	L--4--	I---5--
.885-034	BOBBIN PRESSER	TEX PROD N E	-2-	2	M-34--	I---56-
.885-038	BOBBIN STRIPPER	TEX PROD N E	-2-	2	L--4-6	I---56-
.885-042	BOBBIN WINDER MACHINE	BOOT / SHOE	-2P	2	L--4--	I---5--
.885-046	BRAIDING-MACHINE OPERATOR	ASBESTOS PRO	-2P	3	M--4--	I---5--
.885-050	BUFFING-WHEEL FORMER AUTOMATIC	TEX PROD N E	-3P	2	M--4--	I------
.885-054	CLOTH REELER	TEXTILE	-2P	2	M-----	I------
.885-066	FISHING-LINE-WINDING-MACHINE OP	CORD / TWINE	-2P	2	L--4--	I------
.885-074	GARNETTER	FELT GOODS H	-2P	3	M-34--	I------
.885-078	HELMET COVERER	HAT / CAP	-3P	3	L--4--	I------
.885-094	NEEDLE-LOOM TENDER	FELT GOODS	-2P	3	L-34--	I----6-
.885-110	REWIND OPERATOR	HOUSE FURN	-2-	2	L--4--	I------
.885-118	SPLICING-MACHINE OPERATOR AUTO	TEXTILE	-2P	2	L--4--	I------
.885-122	STRAP BUCKLER MACHINE	GARMENT	-2P	2	S--4--	I------
.885-142	TASSEL-MAKING-MACHINE OPERATOR	TRIM / STAMP	-2-	2	L-----	I------
.885-150	THREAD-CUTTER TENDER	EMBROID	-2P	2	L--4--	I---567
.885-162	WINDER OPERATOR AUTOMATIC	TEXTILE	-2P	2	L--4--	I------
.782-030	SLITTING-AND-TWISTING MACHINE	FIBER RUGS	-3P	4	M-34--	I---5--
.782-034	STITCHER	EMBROID	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-018	CLOTH DOFFER	TEXTILE	-2P	2	H-34--	I---5--
.885-022	BATTING-MACHINE OPERATOR	TEXTILE WAST	-2-	2	M-34--	I------
.885-026	BLANKET-CUTTING-MACHINE OPERAT	TEXTILE	-2P	3	M--4--	I------
.885-070	GARNETT-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--	I------
.885-114	ROVING WINDER FIBER GLASS	GLASS MFG	-3P	3	H--4-6	I------
.782-026	PUNCHER	EMBROID	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-062	CLOTH-DOUBLING-AND-WINDING-MAC	TEXTILE	-2P	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030	LOOSE-END FINDER BOBBIN	HOSIERY KNIT	-1P	2	L--4--	I------
.887-042	PEGGER, DOBBY LOOMS	NARROW FABRI	-2P	2	L--4--	I------
.887-066	THREADER	TEX PROD N E	-2-	2	S--4-6	I---5--
.885-010	BACK TENDER CLOTH PRINTING	TEXTILE	-3P	2	H-34--	I---567
.885-018	BALLING-MACHINE OPERATOR	TEXTILE	-2-	2	L--4--	I---5--
.885-082	JIGGER-CROWN-POUNCING-MACHINE	HAT / CAP	-2-	3	L--4--	I------
.885-086	LABEL-CUTTING-AND-FOLDING-MACH	NARROW FABRI	-2-	2	S--4-6	I------
.885-090	LOOM-WINDER TENDER	TEXTILE	-3P	2	L-34--	I---5--
.885-098	PICK-PULLING-MACHINE OPERATOR	TEXTILE	-2P	2	M--4--	I------

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-102	QUILL POLISHER	TEXTILE	-2-	2	L--4--	I------
.885-106	QUILLER OPERATOR	TEXTILE	-2P	4	L--4-6	I------
.885-130	SURGICAL-DRESSING MAKER	SURGICAL APP	-2-	2	L--4--	I------
.885-134	TAPE-FOLDING-MACHINE OPERATOR	RUBBER GOODS	-2-	3	S--4--	I------
.885-138	TAPE-MAKING-MACHINE OPERATOR	CORD / TWINE	-2-	3	L--4--	I------
.885-146	THREAD WINDER AUTOMATIC	TEXTILE	-2-	2	L--4--	I------
.885-154	WATCHER AUTOMAT	EMBROID	-2P	4	L--4-6	I------
.885-158	WATCHER PANTOGRAPH	EMBROID	-2P	4	L--4-6	I---5--
.782-014	LOOPER	HOSIERY KNIT	-2P	4	S--4-6	I------
.780-010	EMBLEM-DRAWER-IN	EMBROID	-3P	3	L--4-6	I------
.687-010	CLOTH EXAMINER HAND	NARROW FABRI	-2P	2	S--4-6	I------
.685-014	HOOKER-INSPECTOR	TEXTILE	-2-	3	M--4--	I------
.684-010	BURLER	CARPET / RUG	-2P	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-030	BLOCKER	ASBESTOS PRO	-2P	2	L--4--	I------
.885-058	CLOTH WINDER	ANY IND	-2P	2	M-34--	I------
.885-126	STRINGING-MACHINE TENDER	TEX BAG	-2-	2	S--4--	I---5--
.687-018	YARN EXAMINER SKEINS	TEXTILE	-3P	3	L--4-6	I------
.685-010	CLOTH EXAMINER MACHINE	TEXTILE	-2-	4	L--4-6	I------
.685-018	PICK-UP OPERATOR	TEXTILE	-2P	2	L--4-6	I------
.584-010	CARPET INSPECTOR FINISHED	CARPET / RUG	-3-	4	L-3456	I------
.387-010	CLOTH GRADER	TEXTILE	-2P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-014	RUG INSPECTOR	FIBER RUGS	-3-	4	M-3456	I---5--
.384-010	CLOTH TESTER QUALITY	TEXTILE	-3P	4	L--4-6	I------
.384-018	STROBOSOPE OPERATOR	TEXTILE	-3P	5	L--4-6	I---5--

MACHINE WORK NOT ELSEWHERE CLASSIFIED (690.-699.)

Occupations in this area are concerned with the manufacture of products such as boots and shoes, tires and tubes, insulated wire and cable, ammunition, explosives, and household brushes out of materials such as plastics, synthetics, rubber, leather, and resins.

Various of the occupations in this area demand all eight of the combinations of cognitive capabilities. More than half of the occupations make only minimum cognitive demands. Substantial concentrations of occupations demand moderate mathematics only, perceptual processing only, or a combination of mathematics and perceptual processing. Mathematical demands derive from activities such as weighing or measuring product samples to verify that specifications are met, computing factors such as the density of a product sample, and applying conversion factors. Language demands derive from activities such as verbal communication, reading work instructions which include specialized terminology, completing production records, and reporting test results.

Psychomotor skills are required for many of the occupations in this area to operate machinery and perform rapid hand operations. Mechanical skills are useful for machine setup, adjustment, and minor maintenance. Knowledge of fundamental electrical principles can be an asset for occupations involved in the production and testing of electrical products.

The continuing proliferation of new materials and products provides varied entry and career progression opportunities in this area. It is not unusual for job opportunities to stabilize or even decrease as any particular product line ages.

PHYS.D WK COND
HRP SVP 123456 1234567

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	BEVELING-MACHINE OPERATOR	HAT / CAP	-1P	2	L--4--	I------
.886-014	BIAS-MACHINE-OPERATOR HELPER	RUBBER TIRE	-2P	2	VZ34--	I------
.886-018	CRIMPER	RUBBER GOODS	-1-	2	L--4--	I------
.886-022	FOLDING-MACHINE OPERATOR	HAT / CAP	-1-	2	L--4--	I------
.886-030	RUBBER-ROLLER GRINDER	PEN / PENCIL	-1-	1	S--4--	I------
.886-034	SLASHER HELPER	PLASTICS MAT	-2-	2	M--4--	I------
.886-038	SPLITTING-MACHINE FEEDER	LEATHER MFG	-1P	1	L--4--	I--45-7
.886-042	SWEATBAND FLANGER	HAT / CAP	-1-	2	L--4--	I------
.886-046	SWEATBAND-CUTTING-MACHINE OPER	HAT / CAP	-1P	2	L--4--	I------
.886-050	TOGGLE-PRESS FOLDER-AND FEEDER	RUBBER GOODS	-1P	2	S--4--	I------
.886-054	TUBER-MACHINE-OPERATOR HELPER	RUBBER GOODS	-1-	2	M--4--	I------
.885-010	ASSEMBLY-PRESS OPERATOR	ANY IND	-1-	2	L--4--	I----6-
.885-022	BANBURY-TAKE-OFF OPERATOR	RUBBER GOODS	-2-	2	H--4--	I------
.885-026	BAND CUTTER	RUBBER GOODS	-1-	3	M--4--	I-----7
.885-030	BAND-MACHINE OPERATOR	RUBBER GOODS	-3-	4	H--4--	I-----7

				PHYS.D	WK COND
				HRP SVP	123456 1234567
.885-034	BAND-SAWING-MACHINE OPERATOR	FABRIC PROD	-2P	M-34-6	I---5--
.885-038	BOWLING-BALL BUFFER	SPORTS EQUIP	-1-	L--4--	I----6-
.885-050	BUFFER	BOOT / SHOE	-1-	L--4-6	I------
.885-058	BURNISHER	BOOT / SHOE	-1-	L--4-6	I------
.885-062	BUTTON-DECORATING-MACHINE OPER	BUTTON	-2-	S--4--	I------
.885-066	CEMENTER AND FOLDER MACHINE	BOOT / SHOE	-1-	L--4--	I------
.885-074	CENTER-PUNCH OPERATOR	PHONOGRAPH	-2P	L--4--	I------
.885-082	CHANNEL CLOSER OUTSOLES MACHIN	BOOT / SHOE	-1-	L--4--	I------
.885-086	CHANNEL OPENER OUTSOLES	BOOT / SHOE	-1-	L--4--	I------
.885-090	CHANNELER INSOLE	BOOT / SHOE	-1-	L--4--	I------
.885-102	COUNTER FORMER	BOOT / SHOE	-1-	L--4--	I------
.885-106	COUNTER MOLDER	BOOT / SHOE	-2-	L--4--	I------
.885-110	COUNTER ROLLER	BOOT / SHOE	-1-	L--4--	I---5--
.885-114	CURLER	FABRIC PROD	-1-	L--4--	I------
.885-118	CUT-OUT-AND-MARKING-MACHINE OP	BOOT / SHOE	-2-	M--4--	I----6-
.885-122	CUT-OUT-MACHINE OPERATOR	BOOT / SHOE	-2-	L--4-6	I------
.885-126	CUTTER	LINOLEUM	-1-	L--4--	I------
.885-130	CUTTING-MACHINE TENDER	ANY IND	-2-	L-34-6	I----6-
.885-134	DESKIDDING-MACHINE OPERATOR	RUBBER GOODS	-3-	L--4-6	I------
.885-138	DICER OPERATOR	PLASTICS MAT	-1-	L--4--	I---5--
.885-142	DIELECTRIC TESTER	RUBBER GOODS	-3P	M--4-6	I------
.885-150	EDGE BURNISHER UPPERS	BOOT / SHOE	-1P	L--4--	I------
.885-158	EDGE SETTER	BOOT / SHOE	-2P	M--4--	I---5--
.885-162	EDGE TRIMMER	BOOT / SHOE	-1P	L--4--	I------
.885-166	ELECTRIC-SEALING-MACHINE OPERA	FABRIC PLAST	-3P	L--4--	I------
.885-170	EMBOSSER	BOOT / SHOE	-2-	L--4--	I------
.885-174	FASTENER MACHINE	BOOT / SHOE	-2-	L--4--	I------
.885-178	FEATHEREDGER AND REDUCER MACHI	BOOT / SHOE	-2P	L--4--	I------
.885-182	FILM SPOOLER	PHOTO APPARA	-1-	L--4--	I------
.885-190	FOLDER MACHINE	BOOT / SHOE	-1P	L--4--	I------
.885-194	FOLDING-MACHINE OPERATOR	LEATHER PROD	-1-	L--4--	I---5--
.885-206	GROOVER AND TURNER	BOOT / SHOE	-1P	L--4--	I---5--
.885-214	HEEL COMPRESSOR	BOOT / SHOE	-1-	S--4--	I------
.885-218	HEEL GOUGER	BOOT / SHOE	-2-	L--4--	I------
.885-222	HEEL PRICKER	BOOT / SHOE	-2-	L--4--	I---5--
.885-226	HEEL SCORER	BOOT / SHOE	-2-	L--4--	I------
.885-230	HEEL-NAILING-MACHINE OPERATOR	BOOT / SHOE	-2P	L--4--	I------
.885-238	INKER MACHINE	BOOT / SHOE	-1P	L--4-6	I------
.885-242	INSEAM TRIMMER	BOOT / SHOE	-2P	L--4--	I------
.885-246	INSOLE BEVELER	BOOT / SHOE	-2P	L--4-6	I------
.885-250	INSOLE REINFORCER	BOOT / SHOE	-1-	L--4--	I---5--
.885-254	JOINT CUTTER MACHINE	BOOT / SHOE	-1P	L--4--	I------
.885-262	LAMINATION STACKER MACHINE	ELEC EQUIP	-1-	M--4--	I------
.885-266	LEATHER-BELT MAKER	LEATHER PROD	-2P	L--4-6	I------
.885-270	LIP CUTTER AND SCORER	BOOT / SHOE	-2-	L--4--	I------
.885-278	LUMITE INJECTOR	BOOT / SHOE	-2P	L--4--	I------
.885-282	MARKER MACHINE	BOOT / SHOE	-2-	L--4--	I---5--
.885-286	MAT PUNCHER	RUBBER GOODS	-1-	M--4--	I------
.885-306	NAUMKEAG OPERATOR	BOOT / SHOE	-1P	L-34--	I------
.885-310	NICKER	BOOT / SHOE	-1P	L--4-6	I---5--

690 PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP	SVP	123456 1234567
.885-318	PLUG CUTTER	PEN / PENCIL	-2-	2	L--4-6 I------
.885-326	POUNDER	BOOT / SHOE	-1P	3	L--4-- I------
.885-342	ROUGH-AND-TRUEING-MACHINE, OPER	FABRIC PLAST	-3P	3	M--4-- I------
.885-346	ROUGH-ROUNDER MACHINE	BOOT / SHOE	-3P	3	L--4-- I------
.885-350	ROUNDER	BOOT / SHOE	-2P	3	L--4-- I------
.885-354	SEAM-RUBBING-MACHINE-OPERATOR	BOOT / SHOE	-1P	2	L--4-- I------
.885-358	SIDE LASTER CEMENT	BOOT / SHOE	-1P	3	L--4-- I------
.885-362	SIDE LASTER STAPLE	BOOT / SHOE	-2P	3	L--4-- I---5--
.885-378	SOLE LEVELER MACHINE	BOOT / SHOE	-1-	2	L--4-- I------
.885-382	SPLITTING MACHINE OPERATOR	RUBBER GOODS	-2-	2	H-34-- I------
.885-386	STAMPING-MACHINE OPERATOR	BOOT / SHOE	-2-	4	L--4-6 I------
.885-390	STRAP-CUTTING-MACHINE OPERATOR	RUBBER GOODS	-3-	2	L--4-6 I------
.885-394	TACK PULLER MACHINE	BOOT / SHOE	-1P	2	L--4-- I------
.885-398	TAPER MACHINE	BOOT / SHOE	-2P	3	L--4-- I---5--
.885-406	TIRE BUFFER	AUTO SER	-3-	3	L--4-6 I-----7
.885-414	TOE LASTER AUTOMATIC	BOOT / SHOE	-2P	3	L--4-- I------
.885-418	TREAD-SPLICE PRESSER	RUBBER TIRE	-1-	2	M-34-- I------
.885-422	TRIMMER MACHINE	BOOT / SHOE	-1P	3	L--4-- I------
.885-426	TUBE MOLDER FIBERGLASS	FABRIC PLAST	-3P	2	M--4-- I------
.885-430	TUBE SPLICER	RUBBER TIRE	-1-	3	M--4-- I------
.885-434	UNISHANK MOLDER	BOOT / SHOE	-2-	3	L--4-- I------
.885-438	V-BELT COVERER	RUBBER GOODS	-2P	2	L--4-- I------
.885-442	V-BELT FINISHER	RUBBER GOODS	-3-	3	L--4-- I------
.885-450	VULCANIZER	BOOT / SHOE	-1-	2	L--4-- I------
.885-454	VULCANIZING-PRESS OPERATOR	BOOT / SHOE	-2-	3	L----- I------
.885-458	WAXER	MOTION PIC	-1-	3	L--4-- I------
.885-462	WELT BEATER	BOOT / SHOE	-2P	3	L--4-- I------
.885-466	WELT CUTTER	BOOT / SHOE	-2P	4	L--4-- I------
.885-470	WELT WHEELER	BOOT / SHOE	-2-	2	L--4-- I------
.885-474	WELT-BUTTER MACHINE	BOOT / SHOE	-2P	2	L--4-- I------
.885-478	WIDTH STRIPPER	BOOT / SHOE	-3P	3	L----6 I------
.782-022	BINDING STITCHER	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-026	BUCKLE SEWER MACHINE	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-030	CUT-OUT STITCHER	BOOT / SHOE	-2P	5	S--4-6 I------
.782-038	EMBOSSER	LEATHER MFG	-2-	4	L--4-6 I------
.782-046	FANCY STITCHER	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-054	HEEL BREASTER LEATHER	BOOT / SHOE	-2P	4	L--4-- I----6-
.782-058	HEEL-SEAT FITTER MACHINE	BOOT / SHOE	-2-	4	L--4-- I---6-
.782-086	PRESS OPERATOR	FABRIC PLAST	-3P	4	H--4-- I-3--6-
.782-098	SEAM-STAY STITCHER	BOOT / SHOE	-2P	4	L--4-6 I------
.782-106	SOLE-CONFORMING-MACHINE OPERAT	BOOT / SHOE	-2-	4	L--4-- I------
.782-110	SPAGHETTI-MACHINE OPERATOR	FABRIC PLAST	-3-	4	M--4-- I------
.782-114	STITCHER SPECIAL MACHINE	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-118	STITCHER STANDARD MACHINE	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-122	STITCHER UTILITY	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-126	TIRE-REGROOVING-MACHINE OPERAT	AUTO SER	-2P	4	M-34-6 B------
.782-130	TOP STITCHER	BOOT / SHOE	-2P	4	L--4-6 I---5--
.782-134	TRIMMER	FABRIC PLAST	-2P	4	M--4-- I---5-7
.782-138	TRIMMER MACHINE	RUBBER GOODS	-2P	4	S--4-6 I------

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-178	TIP FINISHER	BOOT / SHOE	-3P	2	L--4-- I------
.885-210	HEEL-BUILDER MACHINE	BOOT / SHOE	-2-	3	L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-014	BALL-TRUING-MACHINE OPERATOR	SPORTS EQUIP	-3-	5	M234-6 I--456-
.782-018	BIAS-MACHINE OPERATOR	RUBBER TIRE	-3P	4	M--4-- I------
.782-070	ORNAMENTAL-MACHINE OPERATOR	MIRROR / PIC	-3-	4	L--4-6 I------
.780-018	SPLITTER HEAD	LEATHER MFG	-2-	4	L--4-- I--45-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-026	INJECTION-MOLDING-MACHINE OPE	PEN / PENCIL	-2-	2	L--4-6 I------
.885-014	BACK-STRIP-MACHINE OPERATOR	RUBBER GOODS	-2P	2	L--4-- I------
.885-042	BOWLING-BALL FINISHER	SPORTS EQUIP	-2P	2	M--4-6 I----6-
.885-046	BRANDING-MACHINE TENDER	RUBBER GOODS	-2-	3	M--4-- I------
.885-054	BUFFER AUTOMATIC	RUBBER GOODS	-2-	2	L--4-- I---5--
.885-070	CEMENTER MACHINE JOINER	BOOT / SHOE	-2-	2	L--4-- I------
.885-078	CHAFER BUILDER	RUBBER TIRE	-2-	2	M--4-- I------
.885-094	CONTACT-LENS MOLDER	OPTICAL GOOD	-3-	2	S--4-6 I------
.885-146	DUAL-HOSE CEMENTER	RUBBER GOODS	-3-	2	L--4-- I------
.885-154	EDGE GRINDER	FABRIC PLAST	-2P	3	L--4-- I---5-7
.885-198	FOREPART LASTER	BOOT / SHOE	-2-	2	L--4-- I------
.885-234	HEEL-SEAT LASTER MACHINE	BOOT / SHOE	-2-	3	L--4-- I------
.885-258	LACER	BOOT / SHOE	-2-	2	L--4-- I------
.885-274	LIP-OF-SHANK CUTTER	BOOT / SHOE	-2-	2	L--4-- I------
.885-290	MOLDED-RUBBER-GOODS CUTTER	RUBBER GOODS	-2-	2	M--4-- I----6-
.885-294	MOLDER LABELS	RUBBER GOODS	-3P	2	L--4-- I------
.885-298	MOLDING-PRESS OPERATOR	BAL / SCALES	-3P	3	H--4-6 I------
.885-322	POINTING-MACHINE OPERATOR	FABRIC PLAST	-1-	3	M--4-- I------
.885-330	PRESSER	RUBBER GOODS	-1-	2	L--4-- I------
.885-334	ROLL CUTTER	RUBBER GOODS	-2P	2	M--4-- I------
.885-366	SKIVER	LEATHER PROD	-2P	4	L--4-6 I------
.885-374	SLASHER	PLASTICS MAT	-2P	3	L--4-- I------
.885-410	TOE FORMER STITCHDOWNS	BOOT / SHOE	-2P	3	L--4-- I------
.782-034	CUTTER BARREL DRUM	HOUSE FURN	-3P	4	H-34-- I------
.782-082	PLANISHING-PRESS OPERATOR	PLASTICS MAT	-3P	5	H-3--- I----6-
.782-090	RING-ROLLING-MACHINE OPERATOR	RUBBER GOODS	-2-	4	L--4-- I------
.782-142	TRIMMING-MACHINE OPERATOR	BUTTON	-3P	4	M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-062	FOUNTAIN PEN TURNER	PEN / PENCIL	-2-	3	L--4-- I---5--
.782-010	ARCH-CUSHION-SKIVING-MACHINE O	RUBBER GOODS	-3P	4	M--4-- I------
.782-062	HOT-DIE-PRESS OPERATOR	RUBBER GOODS	-3-	4	L--4-- I----6-
.782-066	LEAD OPERATOR, AUTOMATIC VULCA	RUBBER GOODS	-3-	5	M--4-6 I------
.782-146	TUBER-MACHINE OPERATOR	RUBBER GOODS	-3P	4	M--45- I------
.782-150	WEATHERSTRIP-MACHINE OPERATOR	RUBBER GOODS	-3-	4	M--4-- I------
.780-022	WAD-BLANKING-PRESS ADJUSTER	AMMUNITION	-3-	4	L-345- I---5--

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HRP SVP 123456 1234567

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-098	COUNTER CUTTER	BOOT / SHOE	-2-	3	M--4-6	I---5--
.885-198	ROLL-OVER-PRESS OPERATOR	OPTICAL GOOD	-3-	2	S--4--	I------
.885-302	MOTTLE-LAY-UP OPERATOR	PLASTICS MAT	-2-	4	L--4-6	I---6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018	BALER	PLASTICS MAT	-2-	3	L--4--	I---5--
.885-186	FINISHER MACHINE	FABRIC PLAST	-2-	2	M--4--	I------
.885-314	PLATEN GRINDER	TYPEWRITERS	-3-	2	L--4--	I------
.885-370	SKIVER,MACHINE	BOOT / SHOE	-2P	3	L--4-6	I---5--
.885-446	V-BELT SKIVER	RUBBER GOODS	-2-	3	L--4--	I------
.885-482	WIRE-WINDING-MACHINE TENDER	RUBBER GOODS	-3-	2	H-34--	I------
.782-042	EMBOSSING-PRESS OPERATOR MOLDE	LINOLEUM	-3-	5	L--4-6	I-3--67
.782-050	FOXING-CUTTING-MACHINE OPERATO	RUBBER GOODS	-3P	4	L2-4--	I------
.782-094	SAWYER	FABRIC PLAST	-2P	5	M--4--	I---56-
.782-102	SHEETER OPERATOR	PLASTICS MAT	-3-	4	L--4-6	I---56-
.780-010	MACHINE SETTER	BUTTON	-3-	5	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-074	OUTSOLE CUTTER AUTOMATIC	RUBBER GOODS	-3-	4	M--4--	I---5--
.782-078	OUTSOLE-CUTTING-MACHINE OPERAT	RUBBER GOODS	-3P	4	M--4-6	I---5--

691. INSULATED WIRE AND CABLE FABRICATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	PNEUMATIC JACKETER	INSULATED WI	-2P	3	M--4--	O------
.887-014	PRODUCTION HELPER	INSULATED WI	-2P	1	M--4--	I---5--
.886-010	TWISTING-MACHINE OPERATOR	ELEC EQUIP	-1-	2	S--4--	I------
.885-014	LAGGING-MACHINE OPERATOR	INSULATED WI	-2-	2	M--4--	I------
.782-010	ASBESTOS-WIRE FINISHER	INSULATED WI	-3P	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	LEAD FORMER	ELEC EQUIP	-2P	2	L--4-6	I------
.885-026	SPOOLING-MACHINE OPERATOR	INSULATED WI	-2P	3	H--4--	I------
.782-018	EXTRUDING-MACHINE OPERATOR	INSULATED WI	-3P	4	M--4--	I------
.782-026	LEAD-PRESS OPERATOR	INSULATED WI	-3-	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	ARMORING-MACHINE OPERATOR	INSULATED WI	-2P	2	M--4-6	I------

691. INSULATED WIRE AND CABLE FABRICATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-030	UTILITY WORKER, EXTRUSION	INSULATED WI	-2P	3	H--4--	I---5--
.885-034	WIRE-STRIPPING-AND-CUTTING-MAC	ANY IND	-3-	2	L--4--	I------
.782-014	BRAIDER OPERATOR	INSULATED WI	-3P	5	L--4--	I---5--
.782-022	INSULATING-MACHINE OPERATOR	INSULATED WI	-3P	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-022	PAIRING-MACHINE OPERATOR	INSULATED WI	-3P	3	M--4--	I------
.387-010	INSPECTOR INSULATION	INSULATED WI	-3P	5	L--4-6	I------
.387-014	INSPECTOR WIRE	WIRE	-3-	5	L--4-6	I------

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-014	BASE REMOVER	ELEC EQUIP	-2P	2	M--4--	I------
.886-018	BOX REMOVER	CORK PROD	-2-	2	H-34--	I------
.886-022	BROOMCORN SEEDER	BROOM	-1-	2	M--4--	I-----7
.886-026	BULB FILLER	ELEC EQUIP	-1-	1	L--4--	I------
.886-030	CARBON ROD INSERTER	ELEC EQUIP	-2-	2	L--4-6	I------
.886-034	CUTTER	BROOM	-2P	2	M--4--	I------
.886-038	DESIGN ASSEMBLER	LINOLEUM	-1-	2	L--4-6	I------
.886-042	FORMICA-TABLE-TOP-MOLDING WRAP	FURN	-1-	2	M--4--	I------
.886-046	GROOVER	ANY IND	-1-	1	L--4--	I---56-
.886-054	NECKER	JEWELRY CASE	-2-	2	L--4--	I------
.886-066	SPLITTING-MACHINE OPERATOR	HOUSE FURN	-1-	1	L--4--	I------
.886-070	THIRD DRY-CELL-ASSEMBLING-MACH	ELEC EQUIP	-1-	1	L--4--	I------
.886-078	WRAPPING-MACHINE TAILER	WOOD PRESERV	-2P	2	M--4--	I---567
.885-014	AIR-HOLE DRILLER	SMOKING PIPE	-2P	2	S--4-6	I------
.885-026	BUCKLE-FRAME SHAPER	BUTTON	-2P	2	S--4--	I------
.885-050	CEMENTER MACHINE	RUBBER GOODS	-2P	3	L--4-6	I----6-
.885-058	COMPONENT-INSERTING-MACHINE OP	ELECTRONICS	-2-	2	L--4--	I------
.885-070	DAUBER MACHINE OPERATOR	CORK PROD	-2-	2	L--4--	I------
.885-078	DESIGN INSERTER	FABRIC PLAST	-2P	4	L--4--	I------
.885-082	DIELECTRIC-PRESS OPERATOR	AUTO MFG	-2-	2	L--4--	I------
.885-090	DYNAMITE-CARTRIDGE CRIMPER	EXPLOSIVES	-2P	4	M--4-6	I----67
.885-102	FOILING-MACHINE OPERATOR	AMMUNITION	-2-	2	L--4-6	I----6-
.885-110	GASKET WINDER	PIPE / BOILE	-2P	3	L--4--	I------
.885-114	GLUE-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-118	GLUING-MACHINE OPERATOR	RUBBER GOODS	-1-	2	L--4--	I------
.885-126	KICK-PRESS OPERATOR	SURGICAL APP	-2-	3	L--4--	I------
.885-134	LAMP-SHADE JOINER	FABRIC PROD	-2P	2	L--4--	I------
.885-162	MOUNTER	ELEC EQUIP	-2-	3	L--4--	I------
.885-182	PROTECTOR-PLATE ATTACHER	CUT TOOLS	-2-	2	L--4--	I------
.885-194	SADDLE-AND-SIDE-WIRE STITCHER	PRINT. / PUB	-1-	2	L--4--	I------
.885-198	SEAL-EXTRUSION OPERATOR	ELEC EQUIP	-2P	2	L--4-6	I------
.885-202	SEALER DRY CELL	ELEC EQUIP	-2-	3	L-34-6	I------

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D WK COND 123456 1234567
.885-206	SEALING-MACHINE OPERATOR	ELEC EQUIP	-2-	3	L--4--	I------
.885-210	SEPARATOR OPERATOR	BUTTON	-2P	2	M-34--	I------
.885-230	SORTER MACHINE	BUTTON	-2-	2	L--4--	I------
.885-234	SPIRAL-MACHINE OPERATOR	PAPER GOODS	-1-	1	L--4--	I------
.885-238	SPUN-PASTE-MACHINE OPERATOR	ELEC EQUIP	-2-	2	L--4-6	I---5--
.885-242	STAMPING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-246	STAPLER MACHINE	FURN MATT	-2-	3	M--4--	I------
.885-250	STAPLING-MACHINE OPERATOR	ANY IND	-2-	2	M--4--	I------
.885-258	STOP ATTACHER	NEEDLE PIN	-2P	1	S--4--	I------
.885-262	TAPE COATER	ABRASIVE / P	-2-	2	L--4--	I------
.885-266	TAPER MACHINE	FABRIC PROD	-2P	2	L--4--	I---5--
.885-274	TINSEL-MACHINE OPERATOR	FABRIC PROD	-2-	2	L--4--	I------
.885-282	TUBE WINDER HAND	PIPE / BOILE	-2P	2	M--4--	I------
.885-302	WINDOW-SHADE-RING SEWER	WINDOW SHADE	-2P	2	S------	I------
.782-042	GAGE OPERATOR	LINOLEUM	-2-	4	L--4--	I------
.782-046	LEAD-STRIPPING-MACHINE OPERATO	RUBBER GOODS	-3-	4	H-34--	I----67
.782-050	PLATE STACKER MACHINE	ELEC EQUIP	-3-	4	L-34-6	I---5--
.782-058	SALVAGE-MACHINE OPERATOR	AMMUNITION	-3-	4	M--4--	I----6-
.782-070	STRAPPING-MACHINE OPERATOR	WOOD BOX	-2P	4	H--4--	I------
.782-074	STRING-WINDING-MACHINE OPERATO	MUSICAL INST	-2P	5	L--4-6	I------
.782-078	SWEEPER-BRUSH MAKER MACHINE	BRUSH	-3-	4	V--4--	I---5--
.782-102	WRAPPING-MACHINE OPERATOR	WOOD PRESERV	-2P	4	M--4--	I---567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030	BUTTON STRINGER	KNIT GOODS	-2-	2	L--4--	I------
.885-034	CANDLE MOLDER MACHINE	CANDLE	-2P	4	M--4-6	I------
.885-086	DRY-CHARGE-PROCESS ATTENDANT	ELEC EQUIP	-3P	4	M--4-6	I-----7
.885-098	FLEX-O-LATOR-MACHINE OPERATOR	MATT / BEDSP	-2P	2	L--4--	I------
.885-106	FUNNEL COATER AUTOMATIC	ELECTRONICS	-2P	2	L--4--	I------
.885-130	LAMINATING-MACHINE OPERATOR	FURN	-2-	3	M--4--	I----6-
.885-150	LOADING-MACHINE OPERATOR	AMMUNITION	-2-	2	S--4--	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-122	HINGE ASSEMBLER	JEWELRY CASE	-2-	1	S--4--	I------
.885-158	MASK SHAPER	ELECTRONICS	-2P	2	L--4--	I------
.885-166	PALLETIZER TENDER	ASBESTOS PRO	-2-	2	M-34--	I------
.885-286	VACUUM-APPLICATOR OPERATOR	SIGNS	-2P	2	M--4--	I------
.885-294	WINDER	SPORTS EQUIP	-2-	2	L--4--	I---5--
.885-298	WINDOW-SHADE CUTTER AND MOUNTE	WINDOW SHADE	-2P	3	L--4-6	I------
.885-318	ZIPPER-MACHINE OPERATOR	NEEDLE PIN	-2P	2	L--456	I---5--
.782-026	BROOM STITCHER	BROOM	-2P	4	M--4--	I------
.782-038	FILLING-AND-STAPLING-MACHINE O	BRUSH	-2P	4	M--4-6	I---5--
.782-054	POWER-DRIVEN-BRUSH MAKER	BRUSH	-3P	5	M--4-6	I------
.782-066	STACKING-MACHINE OPERATOR	ANY IND	-3-	4	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010	ASSEMBLY-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I------
.886-050	MOUNTER	ELEC EQUIP	-2P	1	S--4--	I------

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS (CONT.)

.886-062	SPLICER	LINOLEUM	-2P	2	M--4-6	I---5-7
.885-010	ADHESIVE-BANDAGE-MACHINE OPERA	SURGICAL APP	-2-	3	L--4-6	I------
.885-022	BRAIDING-MACHINE TENDER	RUBBER GOODS	-2P	3	M--4--	I---5-7
.885-042	CAPPING-MACHINE OPERATOR AUTOM	FABRIC METAL	-2-	2	L--4--	I------
.885-046	CELL TUBER MACHINE	ELEC EQUIP	-2-	2	L--4-6	I---5--
.885-054	COATING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	M--4--	I---5-7
.885-138	LAYING-MACHINE OPERATOR	CORK PROD	-2P	2	L--4--	I------
.885-170	PINKING-MACHINE OPERATOR	NEEDLE PIN	-2-	2	S--4--	I------
.885-174	POULTICE-MACHINE OPERATOR	DRUG PREP	-2P	4	L--4--	I------
.885-186	PUNCH-PRESS OPERATOR	LINOLEUM	-2P	2	S--4-6	I------
.885-190	RIBBON INKER	PEN / PENCIL	-2-	2	L--4--	I------
.885-214	SHLUNG-MACHINE OPERATOR SEQUIN	FABRIC PLAST	-2-	2	L--4--	I------
.885-226	SLICING-MACHINE OPERATOR	BUTTON	-2-	2	S--4-6	I------
.885-254	STEM MAKER	ELECTRONICS	-2-	2	L--4--	I---5--
.885-270	TAPING-MACHINE TENDER	FABRIC PROD	-2-	3	L--4--	I------
.885-278	TRIM ATTACHER	CUT TOOLS	-2-	2	L--4--	I------
.885-290	WICKER MOLDED CANDLES	CANDLE	-2-	3	L--4--	I------
.885-306	WIRE-TURNING-MACHINE OPERATOR	WOOD BOX	-2-	2	L-34--	I---5--
.885-310	WOOD-WEB-WEAVING-MACHINE OPERA	WINDOW SHADE	-2-	3	M--4-6	I---5--
.885-314	ZIPPER TRIMMER MACHINE	NEEDLE PIN	-2P	2	S--4--	I------
.782-034	COREMAKING-MACHINE OPERATOR	ELEC EQUIP	-3-	4	L--4--	I---5--
.782-082	TILE-POWER-SHEAR OPERATOR	LINOLEUM	-2P	4	L--4--	I------
.782-086	TWISTING-MACHINE OPERATOR	BRUSH	-3-	5	L--4-6	I------
.782-090	UNDERCUTTING-MACHINE OPERATOR	ELEC EQUIP	-3-	4	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-074	DE-ICER-ELEMENT WINDER MACHINE	RUBBER GOODS	-2P	4	L-34--	I------
.782-014	BEAD-FORMING-MACHINE OPERATOR	RUBBER TIRE	-3-	4	M--4--	I------
.782-018	BORING-AND-FILLING-MACHINE OPE	BRUSH	-3-	5	M--4-6	I------
.782-030	CALENDER-ROLL PRESS OPERATOR	MACH MFG	-3-	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-018	BEAD PREPARER	RUBBER GOODS	-2-	3	H--4--	I------
.885-038	CAPPING-MACHINE OPERATOR	ELEC EQUIP	-2-	3	L--4-6	I---5--
.885-062	COMPONENT-LEAD FORMER	ELECTRONICS	-2-	3	S--4--	I------
.885-066	CROWN-ASSEMBLY-MACHINE OPERATO	ANY IND	-3P	2	S--4-6	I---5--
.885-094	FILLING-MACHINE OPERATOR	ELEC EQUIP E	-2-	2	L--4-6	I------
.885-142	LEVEL-GLASS-VIAL FILLER	CUT TOOLS	-2-	2	L--4--	I------
.885-154	LOADING-UNIT OPERATOR	AMMUNITION	-2P	2	L--4--	I----6-
.885-178	PRIMER-INSERTING-MACHINE OPERA	AMMUNITION	-2-	2	L--4--	I---56-
.782-094	WAFER-MACHINE OPERATOR	ELEC EQUIP	-3P	4	L--456	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.886-058	PASTING-MACHINE TAKE-OFF WORKE	ELEC EQUIP	-2-	2	L--4-6	I------
.885-146	LIGHT-BULB ASSEMBLER	ELEC EQUIP	-3P	2	L--4--	I------
.782-010	ANKLE-PATCH MOLDER	RUBBER GOODS	-3P	4	L--4--	I----6-
.687-010	INSPECTOR FILTER TIP	TOBACCO	-2-	3	L--4-6	I------

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692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.886-074	UTILITY OPERATOR AUTOMATED DEP	ELECTRONICS	-3-	2	L--4-6 I------
.885-218	SHOTGUN-SHELL-ASSEMBLY-MACHINE	AMMUNITION	-2-	3	M-34-- I---56-
.885-222	SHOTGUN-SHELL-LOADING-MACHINE	AMMUNITION	-3P	3	L2-456 I---56-
.782-022	BOW-PRESS OPERATOR	SPORTS EQUIP	-3P	4	L--4-- I------
.782-062	SET-UP MECHANIC, CROWN ASSEMBL	ANY IND	-3-	5	L--4-6 I---5--
.782-098	WIRE-WRAPPING-MACHINE OPERATOR	OFFICE MACH	-3P	4	L--4-6 I------

694. FABRICATION OF ORDNANCE, AMMUNITION, AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	CLIP-LOADING-MACHINE FEEDER	AMMUNITION	-1-	1	S--4-- I------
.885-014	BULLET-ASSEMBLY-PRESS OPERATOR	AMMUNITION	-2-	3	M--4-- I------
.885-018	BULLET-LUBRICATING-MACHINE OPE	AMMUNITION	-1-	2	L--4-- I-34-6-
.885-022	FUSE-CAP EXPANDER	AMMUNITION	-1P	2	L--4-6 I----6-
.885-038	RIM-FIRE-PRIMING OPERATOR	AMMUNITION	-1-	3	M--4-- I---6-
.885-042	SHELL-SIEVE OPERATOR	AMMUNITION	-1-	2	H-34-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030	PRESS TENDER, PYROTECHNICS	FIREWORKS	-2-	2	M--4-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	ANVIL-SEATING-PRESS OPERATOR	AMMUNITION	-2-	2	L--4-- I----6-
.885-034	PRIMER-WATERPROOFING-MACHINE O	AMMUNITION	-2-	2	S--4-- I---5--
.782-010	CLIP-LOADING-MACHINE ADJUSTER	AMMUNITION	-2-	4	L-34-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026	PELLET-PRESS OPERATOR	AMMUNITION	-3-	3	M--4-6 I--4-6-
.782-014	TRACER-BULLET-CHARGING-MACHINE	AMMUNITION	-3-	4	H-34-- I----6-

699. MISCELLANEOUS MACHINE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	HARNESS CLEANER	TEXTILE	-1-	2	M-34-- I--4---
.887-014	MACHINE CLEANER	ANY IND	-1-	2	L-34-- I--456-
.887-022	ROPE CLEANER	TEXTILE	-1-	2	L-34-- I------
.885-010	BUTTON-ATTACHING-MACHINE OPERA	GARMENT HAT	-2-	2	L--4-- I------
.885-018	EYELET-MACHINE OPERATOR	ANY IND	-2-	2	L--4-- I------
.885-022	EYELET-PUNCH OPERATOR	MATT / BEDSP	-2P	2	L--4-- I------
.885-026	POWER-SCREWDRIVER OPERATOR	ANY IND	-2P	2	L--4-- I---56-
.885-030	RIVETING-MACHINE OPERATOR	ANY IND	-2-	2	L--4-- I----6-
.782-010	BINDING CUTTER-SYNTHETIC CLOTH	TEXTILE	-2P	4	H--4-- I------

699. MISCELLANEOUS MACHINE WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 OILER — ANY IND -2- 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026 SLITTING-MACHINE-OPERATOR HELP — ANY IND -3P 2 H-34-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-030 ROLL-SHEETING CUTTER — ARTIF LEATHE -2P 4 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 CUTTER MACHINE — ANY IND -3P 2 L--4-- I------
.782-026 RIVETING-MACHINE OPERATOR — ANY IND -3P 5 M-34-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-014 CUTTER — GLOVE / MIT -3P 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 CUTTER OPERATOR — ANY IND -3P 4 M--4-6 I----6-
.782-022 DIE CUTTER — ANY IND -3- 4 L--4-6 I------
.782-034 SLITTING-MACHINE OPERATOR — ANY IND -3P 4 H--4-- I------

(7.) BENCH WORK

OCCUPATIONS

(7.) BENCH WORK OCCUPATIONS

FABRICATION AND REPAIR OF METAL PRODUCTS (700.-709.)

Occupations in this area are concerned with fabricating, assembling, repairing, and reconditioning products which are usually made of metal but which may also be made wholly or in part from plastic or other materials. Representative products include tools, jewelry, silverware, typewriters, firearms, sewing machines, air conditioners, saw blades, lathe bits, agricultural equipment, water pumps, mechanical locks and keys, vending machines, and hydraulic cylinders.

The various occupations in this area demand all eight of the combinations of cognitive capabilities. About 30 percent demand minimum cognitive capabilities and another 30 percent demand only perceptual processing. Substantial numbers demand a combination of language and perceptual processing and a combination of language, mathematics, and perceptual processing. Perceptual processing demands derive from activities such as interpreting blueprints and pictorial drawings; making templates and jigs to ensure proper alignment of parts; positioning parts in specified spatial relationships; evaluating the extent of wear on the surface of bearings; comparing the contour of a reworked tool face with a new tool; and inspecting products for adherence to dimensional and construction quality specifications. Language demands for assembly and fabrication occupations primarily involve understanding verbal instructions from supervisors. Workers involved in repair must additionally interpret written specifications, customer orders, and descriptions of malfunction symptoms. Mathematics demands derive from measuring components to verify that they meet specifications.

Psychomotor skills are commonly required for the use of hand tools and the manipulation of parts. Knowledge of basic mechanical, electrical, and chemical principles can be an asset to various of the occupations.

Both automation and foreign competition have tended to restrict assembly and fabrication occupations. Recent emphases on energy and materials conservation suggest that repair occupations may be due for increased opportunities, but evidence of a clear trend has not yet emerged.

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700. FABRICATION. ASSEMBLY, AND REPAIR OF JEWELRY AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOILER-OUT	JEWELRY	-2-	2	L--4--	I------
.887-018 CHARGER	JEWELRY	-2P	2	S--4--	I------
.887-022 MELTER	JEWELRY	-2-	2	L--4--	I-3--6-
.887-026 MOLD-MAKER HELPER	JEWELRY	-1P	1	L--4--	I------
.887-030 PLANISHER	JEWELRY	-2P	2	L--4--	I------

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700. FABRICAITON, ASSEMBLY, AND REPAIR OF JEWELRY AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-038	PREPARER	JEWELRY	-2P	2	S--4--	I------
.887-042	RIVETER	JEWELRY	-2P	3	L--4--	I------
.887-046	SCRAPER	JEWELRY	-2P	2	S--4--	I------
.884-010	ARBORER	JEWELRY	-2P	2	L--4--	I------
.884-014	ASSEMBLER	JEWELRY	-2P	3	S--4-6	I------
.884-022	CHAIN MAKER MACHINE	JEWELRY	-2P	3	L--4-6	I------
.884-026	DRILLER	JEWELRY	-1P	3	S--4-6	I------
.884-030	EARRING MAKER	JEWELRY	-2P	3	S--4-6	I------
.884-034	FILER	JEWELRY	-2P	3	L--4-6	I------
.884-038	GOLD CUTTER	GOLD LEAF	-2-	4	L--4--	I------
.884-042	HOLLOW-HANDLE-KNIFE ASSEMBLER	SILVERWARE	-3P	2	L--4--	I------
.884-046	JIGSAWYER	JEWELRY	-2P	4	L--4-6	I------
.884-058	OXIDIZER	SILVERWARE	-1-	2	L-34--	I------
.884-082	STRETCHER	JEWELRY	-2P	3	S--4--	I------
.884-086	WATCH-BAND ASSEMBLER	JEWELRY	-1P	3	L--4-6	I------
.781-018	SOLDERER	JEWELRY	-2P	5	S--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014	CASTER HELPER	JEWELRY	-2-	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034	POLISHER	JEWELRY	-2P	3	S--4--	I---5--
.884-018	BRIGHT CUTTER	JEWELRY	-2P	3	S--4-6	I------
.884-054	MESH CUTTER	JEWELRY	-2P	3	S--4--	I------
.884-074	RING STAMPER	JEWELRY	-2P	5	L--4-6	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-066	PREPARER SAMPLES AND REPAIRS	JEWELRY	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-070	PROFILE-SAW OPERATOR	SILVERWARE	-2P	3	L--4-6	I---56-
.884-078	SILVERWARE ASSEMBLER	SILVERWARE	-2P	2	L-34--	I---5--
.687-010	INSPECTOR	JEWELRY	-3P	4	S--4-6	I------

701. FABRICATION, ASSEMBLY, AND REPAIR OF TOOLS AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BLADE BALANCER	AGRIC EQUIP	-1-	1	S--4--	I------
.887-022	SCISSORS HONER	ANY IND	-1P	2	S--4-6	I------
.887-026	WEDGER MACHINE	CUT TOOLS	-2P	2	M--4--	I---56-
.884-014	LEVEL-VIAL SETTER	CUT TOOLS	-2P	3	L--4--	I------

701. FABRICATION, ASSEMBLY, AND REPAIR OF TOOLS AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER	CUT TOOLS	-2P-	2	L--4-6	I---5--
.887-018 COLD-PRESS LOADER	CUT TOOLS	-2P	2	M--4--	I------
.884-010 CALIBRATOR	CUT TOOLS	-2-	4	L--4--	I------
.884-018 SAW SETTER	STONEWORK	-3P	5	M234-6	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-022 SAW-EDGE FUSER CIRCULAR	CUT TOOLS	-3-	4	M--4--	I------
.781-010 REPAIRER, HANDTOOLS	CUT TOOLS	-3P	5	M--4-6	I------
.687-010 LEVEL-VIAL CURVATURE GAGER	CUT TOOLS	-2-	3	S--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-030 TOOL-MAINTENANCE WORKER	TYPEWRITERS	-3P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 TOOL FILER	POTTERY / PO	-3P-	5	L--4-6	I------
.687-014 LEVEL-VIAL INSPECTOR-AND-TESTE	CUT TOOLS	-2-	2	L--4-6	I------
.684-010 INSPECTOR OPEN DIE	CUT TOOLS	-2-	4	L--4-6	I---5--

703. SHEET-METAL PRODUCTS ASSEMBLY AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 PAIL BAILER	TINWARE	-2P	2	L--4--	I------
.887-018 STEEL-BARREL REAMER	COOPERAGE	-1-	2	L--4--	I------
.884-018 TEMPLATE CUTTER	CUT TOOLS	-2P	2	L--4-6	I------
.687-014 TESTING-MACHINE OPERATOR	TINWARE	-1-	2	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 BENCH-SHEARS OPERATOR	FURN	-2P	5	M--4-6	I------
.884-014 CUPBOARD BUILDER	FURN	-3P	4	L--4--	I------
.687-010 METAL-FINISH INSPECTOR	FURN	-3-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-010 ASSORTER	IRON / STEEL	-3-	4	M--4--	I------
.587-010 METAL-FINISH INSPECTOR	ANY IND	-3-	5	H--4-6	I------

704. ENGRAVING, ETCHING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CLEANER	ENGRAVING	-1-	1	L--4--	I------
.887-014 ETCHER HAND	CUT TOOLS	-2-	3	L--4--	I------

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704. ENGRAVING, ETCHING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-034 SILK-SCREEN ETCHER — ENGRAVING -2- 3 L--4-6 I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 ENGRAVER PANTOGRAPH — ENGRAVING -3P 3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 ENGRAVER MACHINE — ENGRAVING -2P 2 S--4-- I------
.884-014 ENGRAVER MACHINE — ENGRAVING -2P 3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 ETCHED-CIRCUIT PROCESSOR — ELECTRONICS -3- 4 L--4-6 I-----7
.587-010 SPOILAGE WORKER — TINWARE -3P 4 L--4-6 I----6-

705. FILING, GRINDING, BUFFING, CLEANING, AND POLISHING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 JIGGER — JEWELRY -1P 2 L--4-- I------
.887-022 PACKET POLISHER — NEEDLE PIN -1P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 BLADE GROOVER — CUT TOOLS -2P 2 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 LABORER GRINDING AND POLISHING — ANY IND -2P 2 M--4-- I---5-7
.887-018 METAL SANDER AND FINISHER — FURN -2P 3 L--4-- I------
.884-022 FILER AND SANDER — SHAPED WOOD -2P 3 L--4-- I------
.884-042 GREASE BUFFER — SILVERWARE -2P 4 L--4-6 I---567
.884-074 POLISHER AND BUFFER — ANY IND -2P 2 M--4-6 I------
.884-090 SNAG GRINDER — FOUND -2P 3 H-34-- I----67
.884-094 STRAPPER AND BUFFER — SHAPED WOOD -2P 3 L--4-6 I-----7
.884-098 TELEVISION-PICTURE-TUBE BUFFER — ELECTRONICS -2P 2 M--4-- I-----7
.884-102 TRIMMER — SILVERWARE -2P 4 S--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 FILER HAND — CUT TOOLS HA -2P 3 L--4-6 I------
.884-038 GOLD-NIB GRINDER — PEN / PENCIL -2P 2 L--4-6 I------
.884-046 GRINDER — ANY IND -2P 3 M--4-6 I---567
.884-054 METAL FINISHER — ANY IND -3P 5 L--4-6 I---567
.884-066 NIB FINISHER — PEN / PENCIL -2P 4 L--4-6 I------
.884-070 POLISHER — ANY IND -3P 3 M--4-6 I---5-7
.884-078 POLISHER APPRENTICE — ANY IND -3P 2 M--4-6 I---5-7

705. FILING, GRINDING, BUFFING, CLEANING, AND POLISHING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-058 MOLD FINISHER	MACH SHOP	-3P	5	M--4-6 I------
.884-062 MOTHER REPAIRER	PHONOGRAPH	-2P	4	L--4-6 I------
.884-082 POLISHER SAND	SILVERWARE	-3P	5	L--4-6 I---5-7
.781-014 FILLER REPAIRER	FIREARMS	-3P	5	M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BENCH GRINDER	ANY IND	-2P	3	M--4-- I--4567
.884-030 FILER HAND TOOL	MACH SHOP	-3P	5	L--4-6 I------
.884-034 FINAL FINISHER FORGING DIES	MACH SHOP	-3P	5	M--4-6 I------
.884-050 GRINDER-CHIPPER	ANY IND	-3P	4	H234-6 I---567
.781-018 LAPPER HAND TOOL	MACH SHOP	-3P	5	L--4-6 I------

706. METAL UNIT ASSEMBLING AND ADJUSTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-022 PUSH-CONNECTOR ASSEMBLER	ELEC EQUIP	-2P	2	L--4-- I------
.884-010 AIR-CONDITIONING-COIL ASSEMBLE	REFRIGERAT E	-3P	3	M--4-- I------
.884-030 ATOMIZER ASSEMBLER	FABRIC PROD	-2P	2	S--4-6 I------
.884-034 BAR AND FILLER ASSEMBLER	FURN	-2P	2	L--4-- I------
.884-054 DRAWER UPFITTER	FURN	-2P	4	M--4-- I------
.884-082 LOCK INSTALLER	FURN	-2P	3	L--4-- I------
.884-086 METAL-BED ASSEMBLER	FURN	-2P	3	M--4-- I------
.884-090 PLUMBING-HARDWARE ASSEMBLER	PLUMB SUPPLI	-2P	2	L--4-- I---5--
.884-114 VALVE GRINDER	MACH SHOP	-2P	5	M--4-6 I------
.884-130 WRAPPER OPERATOR	SPRING	-2P	2	M-34-- I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.587-010 SORTER	TYPEWRITERS	-2P	2	M-34-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER PRODUCTION	ANY IND	-2P	2	M--4-- I------
.887-018 FAN-BLADE ALINER	ELEC EQUIP	-2P	2	L--4-6 I------
.887-026 TYPE-SOLDERING-MACHINE OPERATO	TYPEWRITERS	-2P	2	S--4-- I------
.884-022 ASSEMBLER SMALL PARTS	ANY IND	-2P	2	L--4-6 I------
.884-058 FITTER	ANY IND	-2P	5	H-34-6 I---56-
.884-062 HYDRAULIC-CHAIR ASSEMBLER	FURN	-3P	5	L--4-6 I------
.884-078 LOCK ASSEMBLER	HARDWARE	-2P	2	S--4-- I---5--
.884-094 SOLDERER-AND-SCRAPER	MUSICAL INST	-2P	3	L--4-6 I------
.884-102 SPRING ASSEMBLER	SPRING	-3P	4	H--4-- I------
.884-110 TABLE INSTALLER	LIGHT HEAT	-3P	4	L--4-6 I----67
.884-118 VENDING-MACHINE ASSEMBLER	COIN MACH	-2P	5	L--4-- I------
.687-010 CLUTCH INSPECTOR	AUTO MFG	-2-	2	M-34-- I------
.687-018 INSPECTOR TYPE	TYPEWRITERS	-2-	2	S--4-6 I------
.382-014 TESTER SOUND	MACH MFG	-3-	4	L--45- I------
.381-018 ASSEMBLY INSPECTOR	AGRIC EQUIP	-3P	5	L--4-6 I------

706. METAL UNIT ASSEMBLING AND ADJUSTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

			HRP	SVP	PHYS.D WK COND 123456 1234567
.887-014	CLEANER-TOUCH-UP WORKER	TYPEWRITERS	-2P	2	M--4-6 I------
.884-042	BENCH ASSEMBLER	AGRIC EQUIP	-3P	2	L--4-- I------
.884-046	BENCH HAND	MOTOR / BICY	-3P	3	M--4-- I------
.884-050	DRAPERY-ROD ASSEMBLER	RET TR	-2P	3	M--4-- I------
.884-098	SOLDERER-ASSEMBLER	WELDING	-3P	4	M--4-6 I----67
.781-014	INTERNAL-COMBUSTION-ENGINE SUB	ENGINE / TUR	-3P	5	M--4-- I------
.687-014	INSPECTOR ALINING	TYPEWRITERS	-3P	4	M--4-6 I------
.387-010	INSPECTOR AUTOMATIC TYPEWRITER	TYPEWRITERS	-3P	4	M--456 I------
.387-014	MACHINE TESTER	OFFICE MACH	-3P	2	L--4-6 I------
.382-010	FUNCTIONAL TESTER TYPEWRITERS	TYPEWRITERS	-3P	4	S--456 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014	ASSEMBLER	OFFICE MACH	-3P	5	M--4-6 I------
.884-038	BEARING-RING ASSEMBLER	MACH MFG	-2P	3	L--4-6 I------
.884-070	WHEEL-TRUING MACHINE TENDER	MOTOR / BICY	-3P	2	M--4-6 I------
.781-022	WHEELWRIGHT	AUTO SER	-3P	5	H-34-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018	ASSEMBLER PRODUCT	MACH SHOP	-3P	3	M--4-6 I------
.884-026	ASSEMBLER TYPE-BAR-AND-SEGMENT	TYPEWRITERS	-3P	4	L--4-6 I------
.884-066	INJECTOR ASSEMBLER	ENGINE / TUR	-3P	5	L--4-6 I------
.884-070	INSTRUMENT-PANEL ASSEMBLER	AIRCRAFT MFG	-3P	4	L--4-6 I------
.884-106	SUBASSEMBLER	OFFICE MACH	-3P	4	L--4-6 I------
.884-122	WHEEL LACER AND TRUER	MOTOR / BICY	-3P	4	M--4-6 I------
.781-010	ASSEMBLER	MACH MFG	-3P	5	M-34-- I----6-
.687-022	ROLLER-BEARING INSPECTOR	MACH MFG	-2-	3	S--4-- I------

709. FABRICATION, ASSEMBLY, AND REPAIR OF METAL PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CIRCULAR KNITTING-NEEDLE BENDE	NEEDLE PIN	-1-	2	S--4-- I------
.887-014	CLEANER AND POLISHER	ANY IND	-1-	1	L--4-- I------
.887-018	CLEANER FURNITURE	FURN	-1P	2	M--4-- I---5--
.887-022	FABRIC STRETCHER	MATT / BEDSP	-2P	3	L--4-- I------
.887-026	FRAME MAKER	UMBRELLA	-2P	2	L--4-- I------
.887-030	IMPELLER ASSEMBLER	ELEC EQUIP	-2P	2	S--4-6 I------
.887-042	SPRING TESTER	SPRING	-1-	2	L--4-- I------
.887-046	TABLE AND DESK FINISHER	FURN	-1-	2	L--4-- I------
.887-050	TIN-CONTAINER STRAIGHTENER	TOBACCO	-1-	2	L--4-- I------
.884-038	CLIP-BOLSTER-AND-WRAPPER	SPRING	-2P	3	M--4-- I---5--
.884-070	RIVETER HAND	ANY IND	-2P	2	M--4-- I---5--
.884-094	STAB SETTER AND DRILLER	CUT TOOLS	-2P	3	L--4-- I------
.884-114	WIRE-ROPE-SLING MAKER	WIREWORK	-2P	5	M--4-- I------

709. FABRICATION, ASSEMBLY, AND REPAIR OF METAL PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034	LABORER TIN CAN	TINWARE	-3P	2	H-34--	I------
.887-038	SALVAGE REPAIRER HELPER	PETROL REFIN	-2P	4	H-34--	O--4-67
.887-054	TUBE BENDER HAND	ANY IND	-1P	2	L--4--	I------
.887-058	WIRE-BASKET MAKER	WIREWORK	-1P	2	M--4--	I------
.884-010	ADJUSTER	FURN	-2P	3	M--4--	I------
.884-022	BIRD-CAGE ASSEMBLER	WIREWORK	-2P	4	M--4--	I------
.884-034	CIGARETTE-LIGHTER REPAIRER	ANY IND	-2P	3	S--4-6	I------
.884-046	HAND STAMPER	ANY IND	-1P	3	M--4-6	I------
.884-054	KEY CUTTER	ANY IND	-3P	2	L--4-6	I---5--
.884-062	REAMER HAND	MACH SHOP	-1P	5	M--4-6	I------
.884-066	REPAIRER	FURN	-2P	5	L-34-6	I------
.884-086	SPRING FITTER	SPRING	-3P	5	M-34--	I---5--
.884-106	TUBE BENDER HAND	ANY IND	-2P	4	L--4--	I------
.884-110	WIRE-FRAME-LAMP-SHADE MAKER	FABRIC PROD	-2P	4	L--4--	I------
.884-122	WIRE-SCREEN WEAVER HAND	WIREWORK	-1P	3	M--4--	I------
.884-126	WIREWORKER	AIRCRAFT MFG	-2P	4	M--4--	I------
.687-014	PROOF-COIN COLLECTOR	GOV SER	-2-	4	L--4-6	I---5--
.687-018	SPRING INSPECTOR	SPRING	-3P	4	H--4--	I---5--
.687-022	ZYGLO INSPECTOR	ANY IND	-3P	4	H--4-6	I------
.684-010	ASSEMBLY-LINE INSPECTOR	FURN	-2P	4	------	-------
.382-010	SEWING-MACHINE TESTER	MACH MFG	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-090	SPRING LOOPER HAND	SPRING	-2P	2	S--4-6	I------
.884-118	WIRE-ROPE-SLING-MAKER HELPER	WIREWORK	-2P	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010	INSPECTOR WIRE PRODUCTS	WIREWORK	-3P	2	L--4--	I------
.587-010	INSPECTOR	CUT TOOLS	-3-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-030	CAGE MAKER	CONC PROD	-3P	5	H-34--	I----6-
.884-050	HOT-TOP LINER	IRON / STEEL	-3P	3	H--4--	B-3-5-7
.884-078	SHEARER AND TRIMMER WIRE SCREE	WIREWORK	-2P	3	M--4-6	I------
.884-098	STRAIGHTENER HAND	ANY IND	-2P	5	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	ASSEMBLER PRODUCTION LINE	STRUCT / ORN	-3P	2	L-34--	I---5--
.884-026	CABLE SWAGER	AIRCRAFT MFG	-3P	5	L--4--	I---5--
.884-042	FIRE-EXTINGUISHER REPAIRER	ANY IND	-3P	3	M-34-6	I------
.884-074	SALVAGE REPAIRER	PETROL REFIN	-3P	5	H-34-6	O--4-67
.884-082	SILK-SCREEN-FRAME ASSEMBLER	ANY IND	-2P	3	L--4--	I------
.884-102	TORCH STRAIGHTENER AND HEATER	ANY IND	-2P	4	H-34-6	I-3-567
.781-018	PROPELLANT LOADER	AIRCRAFT MFG	-3P	5	M--4--	I----6-
.781-022	WEAVER BENCH LOOM	WIREWORK	-3P	5	M--4-6	I------
.387-010	INSPECTOR TIN CAN	TINWARE	-3P	5	L--4-6	I---5--

ASSEMBLY AND REPAIR OF SCIENTIFIC APPARATUS (710.-719.)

Occupations in this area normally center around equipment which is technically sophisticated and which must function with great precision.

Various of the occupations demand each of the eight combinations of cognitive capabilities. Nearly a fourth of the occupations make only minimum cognitive demands, but approximately an equal number make at least moderate demands on all three types of cognitive capability. Somewhat less than one-fourth of the occupations demand only perceptual processing and substantial numbers demand a combination of language and mathematics or language and perceptual processing. Perceptual processing demands derive from activities such as interpreting blueprints, pictorials, and schematics and the detection of flaws. Language demands derive mostly from verbal communications for assembly and fabrication occupations. In addition, repair occupations commonly derive language demands from activities such as reading technical specifications and writing records of troubleshooting or repair results. Mathematics demands derive from activities such as measuring parts to verify conformance to specifications and the computation of test data to evaluate the performance of apparatus or to assist in isolating malfunctions.

Finger dexterity is important for many of the occupations in this area: Mechanical and electrical knowledge is important for testing and troubleshooting. Basic knowledge of the chemical processes used in some of the occupations can be an asset.

Foreign competition tends to be extremely stiff for assembly and fabrication and this tends to hold down entry as well as career progression possibilities.

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710. FABRICATION AND REPAIR OF INSTRUMENTS FOR MEASURING AND CONTROLLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BELLOWS CRIMPER	INST / APP	-2P	3	L--4--	I--4---
.887-018 DEWAXER	INST / APP	-1-	1	S--4--	I------
.887-030 TIE-UP WORKER	BAL / SCALES	-2P	3	H--4--	I------
.884-042 FILLER	INST / APP	-2P	5	L--4--	I------
.884-046 FLOAT-TANK CALIBRATOR	INST / APP	-2P	4	L--4-6	I----6-
.884-058 GAS-GOVERNOR-REPAIRER HELPER	LIGHT HEAT	-2P	2	M234--	B----67
.884-062 GAS-METER PACKER	LIGHT HEAT	-2P	4	M--4--	I------
.884-078 INSTRUMENT-MECHANIC HELPER	LIGHT HEAT	-2P	4	L234--	I-3-56-
.884-086 METER-REPAAIRER HELPER, VOLUME	ANY IND	-2P	4	L-34--	I------
.684-010 DIP-AND-SLOW-LIGHT TESTER	LIGHT HEAT	-2P	3	M--4-6	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 BELLOWS CHARGER	INST / APP	-3P	3	M--4--	I-3--6-
.884-026 BELLOWS CHARGER	INST / APP	-3P	3	M--4--	I------

710. FABRICATION AND REPAIR OF INSTRUMENTS FOR MEASURING AND CONTROLLING (CONT.)

.884-054	GAGE CALIBRATOR	INST / APP	-2P	5	L--4-6	I----6-
.884-074	GRADUATING-MACHINE OPERATOR	INST / APP	-3P	5	L--4--	I------
.884-082	INSTRUMENT-REPAIRER HELPER	ANY IND	-2P	5	M234--	B--456-
.884-110	SPEEDOMETER CALIBRATOR	INST / APP	-3P	3	S--4-6	I------
.884-122	THERMOSTAT SETTER	INST / APP	-3P	3	S--4-6	I------
.684-014	SLOW-MOTION TESTER	LIGHT HEAT	-3P	3	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	BELLOWS TESTER	INST / APP	-2P	3	L--4-6	I------
.887-022	GAS-METER-REPAIRER HELPER	LIGHT HEAT.	-3P	2	M--45-	I------
.887-026	INSTRUMENT CHECKER	INST / APP	-2-	3	L--4-6	I------
.884-010	AGATE SETTER	BAL / SCALES	-3P	3	S--4-6	I------
.884-066	GAS-METER STRIPPER	LIGHT HEAT	-2P	3	M--4--	I------
.884-070	GAS-METER-DIAPHRAGM INSTALLER	LIGHT HEAT	-2P	4	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-030	CALIBRATOR	INST / APP	-3P	3	S--4-6	I------
.884-034	CALIBRATOR	INST / APP	-3P	3	L--4--	I------
.884-038	CHANNEL TESTER	LIGHT HEAT	-3P	3	M--4-6	I------
.884-050	FREQUENCY-METER ALINER	ELECTRONICS	-3P	4	L--4--	I------
.884-098	SEALER	BAL / SCALES	-2P	5	M--4-6	I----6-
.884-118	THERMOSTAT CALBRATOR	INST / APP	-3P	5	L--456	I----6-
.687-022	THERMOSTAT ADJUSTER	INST / APP	-2P	3	S--4--	S-34---
.387-010	CALIBRATION CHECKER	INST / APP	-2-	3	L--4-6	I--4-6-
.387-018	TESTER REGULATOR	SPORTS EQUIP	-3P	4	L--4-6	I---5--
.384-014	METER INSPECTOR	LIGHT HEAT	-3P	4	L-34-6	B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-090	PARKING METER MAINTAINER	GOV SER	-3P	4	M-34-6	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-114	THERMOSTAT ASSEMBLER	INST / APP	-3P	3	S--4-6	I------
.687-014	INSPECTOR ETCHED-METAL PARTS	INST / APP	-3-	2	S--4-6	I------
.384-018	PASSER AND FINISHER CLINICAL T	INST / APP	-3P	5	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	ASSEMBLER	BAL / SCALES	-3P	5	L--4-6	I------
.884-018	ASSEMBLER	INST / APP	-3P	3	L--4-6	I------
.884-094	SCROLL ASSEMBLER	BAL / SCALES	-2P	4	L--4--	I------
.884-102	SLIDE PROCESSOR	INST / APP	-3P	3	L--4--	I------
.884-106	SPEEDOMETER ASSEMBLER	INST / APP	-3P	2	L--4-6	I------
.884-126	VALVE ASSEMBLER	INST / APP	-3P	3	L--4-6	I------
.781-018	STEAM METER REPAIRER	LIGHT HEAT	-3P	5	M--4-6	I------
.781-022	THERMOSTAT REPAIRER	INST / APP	-3P	5	M--4-6	I------
.687-010	CALIBRATION CHECKER	INST / APP	-3-	4	M--4-6	I----6-

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710. FABRICATION AND REPAIR OF INSTRUMENTS FOR MEASURING AND CONTROLLING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-018 SPEEDOMETER INSPECTOR	INST / APP	-3-	3	S--4-6	I------
.387-014 ROVING INSPECTOR	INST / APP	-3-	5	M--4-6	I------
.384-010 INSPECTOR MECHANICAL AND ELECT	ELEC EQUIP	-3P	4	L--4-6	I------
.384-022 SALVAGE INSPECTOR	INST / APP	-3P	5	M--4-6	I------
.281-078 WATER-METER REPAIRER	WATERWORKS	-3P	5	M-34--	B--4---

711. FABRICATION AND REPAIR OF OPTICAL INSTRUMENTS AND LENSES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CONTACT-LENS-FLASHING PUNCHER	OPTICAL GOOD	-2P	2	L--4--	I------
.887-014 LENS CEMENTER	OPTICAL GOOD	-3P	2	S--4--	I------
.887-018 POLISHING-PAD MOUNTER	OPTICAL GOOD	-2-	2	L--4--	I------
.884-010 BENCH WORKER	OPTICAL GOOD	-2P	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-038 MULTIFOCAL-BUTTON ASSEMBLER	OPTICAL GOOD	-3P	3	S--4-6	I-- -
.884-042 MULTIFOCAL-LENS ASSEMBLER	OPTICAL GOOD	-3P	4	S--4-6	I------
.687-018 LENS-COATING INSPECTOR	OPTICAL GOOD	-1-	2	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 GRINDER HAND	OPTICAL GOOD	-3P	2	L--4--	I------
.781-022 MULTIFOCAL-BUTTON GRINDER	OPTICAL GOOD	-3P	5	M--4-6	I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 LENS POLISHER I	OPTICAL GOOD	-3P	3	L--4-6	I------
.587-010 INSPECTOR MULTIFOCAL LENS	OPTICAL GOOD	-2-	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-046 OPTICAL-GLASS ETCHER	OPTICAL GOOD	-3P	2	S--4--	I------
.781-010 BEVELER	OPTICAL GOOD	-2P	5	L--4--	I------
.687-014 LENS-BLANK GAGER	OPTICAL GOOD	-2P	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 INSTRUMENT REPAIRER	INST / APP	-3P	5	M--4--	I------
.884-022 INSTRUMENT-LENS CENTERER AND E	OPTICAL GOOD	-3P	5	M--4-6	I------
.884-034 METAL-FRAME INSERT MAN	OPTICAL GOOD	-3P	3	S--4-6	I------
.884-050 PRECISION-LENS GENERATOR	OPTICAL GOOD	-3P	4	M--4-6	I------
.781-014 CUTTER-AND-WEIGHER	OPTICAL GOOD	-3P	3	L--4--	I--45--
.781-026 OPTICAL-ELEMENT COATER	OPTICAL GOOD	-3P	5	M--4-6	I------
.687-010 LENS EXAMINER	OPTICAL GOOD	-3P	3	M--4-6	I--4---
.487-010 TOPSIDE INSPECTOR	OPTICAL GOOD	-3-	2	S--4-6	I------
.387-026 WET INSPECTOR OPTICAL GLASS	OPTICAL GOOD	-3-	5	M--4-6	I-----7

712. FABRICATION AND REPAIR OF MEDICAL, AND DENTAL INSTRUMENTS AND SUPPLI

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	SUTURE POLISHER	SURGICAL APP	-1-	2	L--4-- I------
.887-014	SUTURE WINDER HAND	SURGICAL APP	-2P	1	S--4-6 I------
.884-018	COILER	DENTAL EQUIP	-1P	2	L--4-6 I------
.884-038	GLAZIER	INST / APP	-1P	4	L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-074	WIRE REAMER	INST / APP	-2P	5	M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	TOOTH INSPECTOR	DENTAL EQUIP	-2-	2	L--4-6 I------
.884-010	BITE-BLOCK MAKER	MEDICAL SER	-3P	5	S--4-6 I------
.884-014	CATHETER-BUILDER HELPER	RUBBER GOODS	-2P	3	L--4-- I------
.884-026	FINISHER DENTURE	MEDICAL SER	-2P	5	S--4-- I------
.884-030	FLANGER	INST / APP	-2P	5	L--4-- I------
.884-034	GAS-MASK ASSEMBLER	SURGICAL APP	-2P	4	M--4-- I------
.884-042	METAL FINISHER	MEDICAL SER	-3P	4	S--4-6 I---56-
.884-046	ORTHOPEDIC-CAST SPECIALIST	MEDICAL SER	H2P	4	M-34-- I------
.884-058	POLISHER	MEDICAL SER	-2P	4	L--4-6 I---5-7
.781-018	LEATHER WORKER	SURGICAL APP	-3P	5	L--4-6 I------
.687-010	GAGER	SURGICAL APP	-2-	2	S--4-6 I------
.687-022	PAD INSPECTOR	SURGICAL APP	-1-	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-054	PLASTER MODEL FORMER	MEDICAL SER	-3P	5	L--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-040	MEDICAL-INSTRUMENT-CABL	INST / A	-3P	2	S--4-6 I------
.884-062	SURGICAL-FORCEPS FABRICATOR	INST / APP	-3P	3	L--4-- I------
.884-066	SURGICAL-NEEDLE GRINDER	NEEDLE PIN	-2P	3	S--4-6 I------
.781-010	ARCH-SUPPORT TECHNICIAN	SURGICAL APP	-3P	5	L--4-6 I------
.781-014	DENTAL CERAMIST ASSISTANT	MEDICAL SER	-3P	5	S--4-6 I------
.687-014	GAS-MASK INSPECTOR	SURGICAL APP	-2-	4	L--4-6 I------
.687-018	INSPECTOR SURGICAL INSTRUMENTS	INST / APP	-2-	2	L--4-6 I------

713. FABRICATION AND REPAIR OF OPHTHALMIC GOODS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BLOCK CLEANER	OPTICAL GOOD	-1-	1	S--4-- I------
.887-018	CEMENTER	OPTICAL GOOD	-1P	2	S--4-- I------
.887-026	FINAL ASSEMBLER	OPTICAL GOOD	-1P	2	S--4-- I------
.887-030	LENS INSERTER	OPTICAL GOOD	-1P	2	S--4-- I------
.884-010	ASSEMBLER GOLD FRAME	OPTICAL GOOD	-2P	2	L--4-- I------
.884-014	ASSEMBLER MOLDED FRAMES	OPTICAL GOOD	-2P	2	L--4-- I------

713. FABRICATION AND REPAIR OF OPHTHALMIC GOODS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		HRP	SVP	PHYS.D WK COND 123456 1234567
.884-046	GROOVER	OPTICAL	GOOD -2P	2 S--4-- I------
.884-062	LENS-BLANK MARKER	OPTICAL	GOOD -2P	2 S--4-6 I------
.687-014	GLASS CHECKER	OPTICAL	GOOD -2-	2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	ASSEMBLER CLIP-ON SUNGLASSES	OPTICAL	GOOD -2P	2 L--4-6 I------
.887-016	BLOCKER	OPTICAL	GOOD -2P	2 S--4-6 I------
.887-022	CLIP DIPPER	OPTICAL	GOOD -2P	2 L--4-6 I------
.887-034	POLISHER IMPLANT	OPTICAL	GOOD -2P	2 S--4-- I------
.887-038	SALVAGER	OPTICAL	GOOD -2P	2 L--4-6 I------
.884-042	FRAME CARVER SPINDLE	OPTICAL	GOOD -2P	2 S--4-- I------
.884-050	HEATING-FIXTURE TENDER	OPTICAL	GOOD -2P	2 L--4-- I------
.884-074	POLISHER	OPTICAL	GOOD -2P	2 S--4-- I------
.884-082	TRIM MOUNTER	OPTICAL	GOOD -3P	2 S--4-- I------
.884-086	TRUER	OPTICAL	GOOD -2P	4 L--4-6 I---5--
.687-010	EYEGLASS-FRAME INSPECTOR	OPTICAL	GOOD -2-	2 S--4-- I------
.687-018	GLASS SHADER	OPTICAL	GOOD -2-	2 L--4-6 I------
.687-026	LENS-BLOCK GAGER	OPTICAL	GOOD -2-	2 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-030	COUNTERSINK GRINDER	OPTICAL	GOOD -3P	2 L--4-- I--45--
.781-010	LATHE OPERATOR CONTACT LENS	OPTICAL	GOOD -3P	5 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-022	INSPECTOR CLIP-ON SUNGLASSES	OPTICAL	GOOD -3P	3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-054	LENS ASSEMBLER	OPTICAL	GOOD -3-	2 S--4-6 I------
.884-078	SPECTACLES TRUER	OPTICAL	GOOD -2P	3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018	CONTACT-LENS POLISHER	OPTICAL	GOOD -3P	3 S--4-6 I------
.884-022	CONTACT-LENS-CURVE GRINDER	OPTICAL	GOOD -3P	3 S--4-6 I------
.884-026	CONTACT-LENS-EDGE BUFFER	OPTICAL	GOOD -3P	2 S--4-6 I------
.884-034	EMBOSSER AND TRIMMER	OPTICAL	GOOD -3P	2 L--4-- I------
.884-038	EYEGLASS-LENS CUTTER	OPTICAL	GOOD -3P	2 S--4-- I------
.884-058	LENS GENERATOR	OPTICAL	GOOD -3P	4 L--4-- I---5--
.884-066	MOUNTER AND REPAIRER	OPTICAL	GOOD -3P	3 S--4-6 I------
.884-070	PLASTIC-FRAME LENS MOUNTER	OPTICAL	GOOD -3P	3 S--4-6 I------
.781-014	LENS BLOCKER AND CUTTER	OPTICAL	GOOD -3P	5 L--4-6 I------
.781-022	ZYL MOUNTER	OPTICAL	GOOD -3P	5 S--4-- I------

714. FABRICATION AND REPAIR OF PHOTOGRAPHIC EQUIPMENT AND SUPPLIES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	DENTAL-X-RAY-FILM ASSEMBLER	PHOTO APPARA	-2P	2	L--4-- I------
.887-014	PASTER	PHOTO APPARA	-1P	2	S--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	SAMPLEMAN	PHOTO APPARA	-2-	2	L--4-- I------
.884-022	BENCH EXAMINER	MOTION PIC	-2-	3	S--4-- I------
.884-028	SCREEN REPAIRER	PHOTO AP	-2P	2	L--4-6 I------
.687-010	FILM INSPECTOR	PHOTO APPARA	-2-	2	L----6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-026	PHOTOMETER REPAIRER	PHOTO APPARA	-3P	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	ASSEMBLER	PHOTO APPARA	-3P	4	S--4-6 I------
.884-014	ASSEMBLER PLASTIC PARTS	PHOTO APPARA	-3P	5	L--4-- I------
.884-018	BELLOWS MAKER	PHOTO APPARA	-3P	5	L--4-- I------
.884-030	X-RAY-SCREEN MAKER	PHOTO APPARA	-3-	4	L--4-- I------
.687-014	SENSITZED-PAPER TESTER	PHOTO APPARA	-3-	4	L--4-- I------
.684-010	CAMERA INSPECTOR	PHOTO APPARA	-3-	4	S--4-6 I------

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS, AND PARTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	ASSEMBLER FILLING	CLOCK / WATC	-2P	3	L--4-- I------
.887-014	BAND ATTACHER	CLOCK / WATC	-1P	2	L--4-- I------
.887-018	BARREL-CAP SETTER	CLOCK / WATC	-2P	3	S--4-- I------
.887-022	CLOCK ASSEMBLER	CLOCK / WATC	-2P	2	L--4-- I------
.887-026	CRYSTAL ATTACHER	CLOCK / WATC	-2P	2	S--4-- I------
.887-034	DIAL PASTER	CLOCK / WATC	-2P	2	L--4-- I------
.887-038	DOGGER	CLOCK / WATC	-1P	1	L--4-- I------
.887-042	DUSTPROOF ASSEMBLER	CLOCK / WATC	-2P	3	L--4-- I------
.887-046	FELT ASSEMBLER	CLOCK / WATC	-1-	2	S--4-- I------
.887-050	FILL LOADER	CLOCK / WATC	-1P	1	L--4-- I------
.887-058	HAIRSPRING CUTTER	CLOCK / WATC	-2P	2	L--4-6 I------
.887-066	JEWEL-SETTING STRINGER	CLOCK / WATC	-1P	2	S--4-- I------
.887-068	JEWEL STRINGER	CLOCK / WATC	-1P	2	S--4-6 I------
.887-078	MAINSPRING-BARREL-ASSEMBLY CLE	CLOCK / WATC	-2P	2	S--4-- I------
.887-082	MASKER	CLOCK / WATC	-2P	2	S--4-- I------
.887-086	PAINTER POINTER	CLOCK / WATC	-1P	2	S--4-6 I----6-
.887-090	POINTER DIPPER	CLOCK / WATC	-1-	2	S----- I------
.887-098	SCRATCH BRUSHER	CLOCK / WATC	-2P	2	L--4-- I------
.887-102	SET-KEY DRIVER	CLOCK / WATC	-2P	2	L--4-- I------
.887-114	STUDDER HAIRSPRING	CLOCK / WATC	-2P	3	S--4-6 I------
.887-118	TAKE-OFF OPERATOR	CLOCK / WATC	-2-	2	L--4-- I------

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS AND PARTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-126	WASHER	CLOCK / WATC	-2P	2		L--4--	I------
.887-134	WINDER	CLOCK / WATC	-2P	2		S--4--	I------
.887-138	WIRE CUTTER HAIRSPRING	CLOCK / WATC	-2P	2		L--4--	I------
.884-026	BENCH HAND	CLOCK / WATC	-1P	4		S--4-6	I------
.884-028	BEVELER	CLOCK / WATC	-1P	2		S--4-6	I------
.884-032	BRUSHER	CLOCK / WATC	-1P	3		S--4-6	I------
.884-054	COLLET DRILLER	CLOCK / WATC	-2P	2		L--4-6	I------
.884-070	CROWN ATTACHER	CLOCK / WATC	-1P	2		L--4--	I------
.884-082	CUTTER V-GROOVE	CLOCK / WATC	-2P	3		L--4--	I------
.884-134	JEWEL STACKER	CLOCK / WATC	-1P	4		L--4-6	I------
.884-138	JEWEL-HOLE CORNERER	CLOCK / WATC	-2P	3		L--4--	I------
.884-146	LACQUERER	CLOCK / WATC	-1P	4		S--4-6	I------
.884-186	PEARLER	CLOCK / WATC	-1P	2		S--4--	I------
.884-190	PIN INSERTER REGULATOR	CLOCK / WATC	-2P	3		S--4-6	I------
.884-198	PIVOTER	CLOCK / WATC	-2P	3		L--4-6	I------
.884-210	POLISHER BALANCE SCREWHEAD	CLOCK / WATC	-2P	3		S--4--	I------
.884-238	REAMER CENTER HOLE	CLOCK / WATC	-1P	2		L--4-6	I------
.884-242	ROUGH OPENER JEWEL HOLE	CLOCK / WATC	-2P	2		L--4--	I------
.884-254	SOLDERER	CLOCK / WATC	-2P	2		L--4-6	I------
.884-282	TRANSFERRER	CLOCK / WATC	-2P	3		L--4--	I------
.884-286	TUBING-MACHINE OPERATOR	CLOCK / WATC	-2P	3		S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-028	CANNON-PINION ADJUSTER	CLOCK / WATC	-2P	2		L--4-6	I------
.884-050	CASER	CLOCK / WATC	-2P	3		L--4--	I------
.884-058	COLLETER	CLOCK / WATC	-2P	3		S--4-6	I------
.884-074	CROWN-WHEEL ASSEMBLER	CLOCK / WATC	-2P	3		S--4-6	I------
.884-094	DIAL-SCREW ASSEMBLER	CLOCK / WATC	-2P	4		S--4-6	I------
.884-110	FINER	CLOCK / WATC	-2P	4		L--4-6	I------
.884-150	MAINSPRING WINDER	CLOCK / WATC	-2P	4		L--4--	I------
.884-154	MAINSPRING WINDER AND OILER	CLOCK / WATC	-2P	2		S--4--	I------
.884-250	SET-STAFF FITTER	CLOCK / WATC	-3P	2		S--4-6	I------
.781-050	PEARLER	CLOCK / WATC	-3P	5		S--4-6	I------
.781-078	UNDERTURNER	CLOCK / WATC	-2P	5		L--4-6	I------
.685-010	TORQUE TESTER	CLOCK / WATC	-2P	2		L--4--	I------
.585-010	TIMING-MACHINE OPERATOR	CLOCK / WATC	-2P	4		L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-050	SIFTER	CLOCK / WATC	-2P	2		L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030	DIAL BRUSHER	CLOCK / WATC	-2P	2		L-34--	I------
.887-054	FOOT STRAIGHTENER	CLOCK / WATC	-2P	2		L--4--	I------
.887-062	HAMMER ADJUSTER	CLOCK / WATC	-2P	2		L--4--	I------
.887-070	MAINSPRING FORMER ARBOR END	CLOCK / WATC	-2P	2		S--4--	I------
.887-074	MAINSPRING FORMER BRACE END	CLOCK / WATC	-2P	2		S--4--	I------
.887-094	POINTER MOUNTER	CLOCK / WATC	-2P	2		S--4--	I------
.887-110	SPRING LAYER	CLOCK / WATC	-2P	2		L--4--	I------

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS, AND PARTS (CONT.)

.887-122	TOUCH-UP WORKER	CLOCK / WATC	-2P	3	S--4-6	I------
.887-130	WHEEL TRIMMER	CLOCK / WATC	-1P	2	L--4--	I------
.884-034	BURNISHER BALANCE WHEEL ARM	CLOCK / WATC	-2P	3	L--4-6	I------
.884-038	BURRER	CLOCK / WATC	-2P	3	L--4-6	I------
.884-078	CRYSTAL CUTTER	CLOCK / WATC	-2P	3	L--4--	I------
.884-194	PINION POLISHER	CLOCK / WATC	-2P	3	L--4-6	I------
.884-202	POINTER-MACHINE OPERATOR	CLOCK / WATC	-2P	2	S--4-6	I------
.884-214	POLISHER DIAL	CLOCK / WATC	-1P	3	S--4-6	I------
.884-218	POLISHER NUMERAL	CLOCK / WATC	-2P	3	S--4-6	I------
.884-262	STONER	CLOCK / WATC	-2P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-022	BARREL FINISHER	CLOCK / WATC	-2P	3	S--4--	I------
.884-098	DIALER	CLOCK / WATC	-2P	3	S--4-6	I------
.884-114	GRINDER	CLOCK / WATC	-2P	3	L--4--	I------
.884-126	JEWEL GRINDER	CLOCK / WATC	-2P	3	L--4--	I------
.884-178	PALLET RECTIFIER	CLOCK / WATC	-2P	5	S--4-6	I------
.884-226	PRESS OPERATOR PIERCE AND SHAV	CLOCK / WATC	-2P	2	S--4--	I------
.884-230	PROFILER HAND	CLOCK / WATC	-2P	4	L--4-6	I------
.884-270	SURFACER	CLOCK / WATC	-2P	3	L--4-6	I------
.687-030	GAGER	CLOCK / WATC	-3P	4	L--4-6	I------
.687-046	JEWEL GAGER	CLOCK / WATC	-2P	4	S--4-6	I------
.687-054	MOTION INSPECTOR	CLOCK / WATC	-2P	3	S--4-6	I------
.587-010	DIAMOND SIZER AND SORTER	CLOCK / WATC	-2P	3	S--4--	I------
.387-026	STRIP GAGER	CLOCK / WATC	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010	BALANCE ASSEMBLER	CLOCK / WATC	-3P	3	S--4--	I------
.884-018	BALANCE-BRIDGE ASSEMBLER	CLOCK / WATC	-2P	3	L--4-6	I------
.884-030	BLOCKER	CLOCK / WATC	-3P	4	L--4-6	I------
.884-046	CAP-JEWEL PLATE ASSEMBLER	CLOCK / WATC	-2P	4	L--4-6	I------
.884-066	COUNTERSINKER BALANCE SCREW HO	CLOCK / WATC	-2P	3	L--4-6	I------
.884-086	DEBURRER	CLOCK / WATC	-2P	3	L--4-6	I------
.884-090	DIAL REFINISHER	CLOCK / WATC	-3P	5	S--4-6	I------
.884-102	DRILLER AND BROACHER	CLOCK / WATC	H2P	5	L--4-6	I------
.884-106	END POLISHER	CLOCK / WATC	-2P	4	L--4--	I------
.884-122	HANDS ASSEMBLER	CLOCK / WATC	-3P	4	L--4-6	I------
.884-158	MECHANISM ASSEMBLER	CLOCK / WATC	-3P	4	S--4-6	I------
.884-162	OILER	CLOCK / WATC	-2P	2	S--4-6	I------
.884-174	PALLET ASSEMBLER	CLOCK / WATC	-2P	4	S--4-6	I------
.884-206	POISER BALANCE	CLOCK / WATC	-2P	4	L--4-6	I------
.884-222	POLISHER SCREWHEAD SIDES	CLOCK / WATC	-2P	3	S--4-6	I------
.884-234	PUT-IN-BEAT ADJUSTER	CLOCK / WATC	-2P	4	S--4-6	I------
.884-258	STAKER	CLOCK / WATC	-2P	4	L--4-6	I------
.781-038	HAIRSPRING ASSEMBLER	CLOCK / WATC	-3P	5	L--4-6	I------
.781-054	POLISHER	CLOCK / WATC	-3P	5	S--4-6	I------
.781-058	POLISHER GOLD WHEEL	CLOCK / WATC	-3P	5	S--4-6	I------
.687-010	BALANCE-BRIDGE INSPECTOR	CLOCK / WATC	-3P	4	S--4-6	I------
.687-022	DIAL INSPECTOR	CLOCK / WATC	-3P	4	S--4-6	I------

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715. FABRICATION AND REPAIR OF WATCHES, CLOCKS, AND PARTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-034	HAIRSPRING ADJUSTER	CLOCK / WATC	-3P	4	L--4--	I------
.687-038	INSPECTOR CASING	CLOCK / WATC	-3-	4	S--4-6	I------
.687-042	INSPECTOR SOLDERING	CLOCK / WATC	-2-	3	L--4--	I------
.687-050	JEWEL INSPECTOR	CLOCK / WATC	-3P	2	S--4-6	I------
.687-062	TRANSFER INSPECTOR	CLOCK / WATC	-2P	3	S--4-6	I------
.684-010	HAIRSPRING INSPECTOR	CLOCK / WATC	-2P	3	S--4-6	I------
.387-022	POISING INSPECTOR	CLOCK / WATC	-3P	4	S----6	-------
.387-030	STRIP INSPECTOR	CLOCK / WATC	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-274	TAPPER	CLOCK / WATC	-2P	3	L--4-6	I------
.884-278	TAPPER BALANCE-WHEEL SCREW HOL	CLOCK / WATC	-2P	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	BALANCE TRUER	CLOCK / WATC	-2P	4	L--4-6	I------
.884-062	COUNTERSINKER	CLOCK / WATC	-2P	3	L--4-6	I------
.884-118	HAND FILER BALANCE WHEEL	CLOCK / WATC	-2P	3	S--4-6	I------
.884-130	JEWEL INSERTER	CLOCK / WATC	-2P	4	L--4-6	-------
.884-142	JEWEL-HOLE DRILLER	CLOCK / WATC	-3P	5	L--4-6	I------
.884-166	OVERCOIL STEPPER	CLOCK / WATC	-2P	3	S--4-6	-------
.884-170	OVERCOILER	CLOCK / WATC	-3P	4	S--4-6	I------
.884-182	PALLET-STONE GRINDER	CLOCK / WATC	-3P	4	L--4-6	-------
.884-266	STONER HAND	CLOCK / WATC	-3P	3	L--4-6	I------
.781-010	BANKING ADJUSTER	CLOCK / WATC	-3P	5	S--4-6	I------
.781-062	RAYER	CLOCK / WATC	-3P	5	L--4-6	I------
.781-066	SCREWHEAD POLISHER	CLOCK / WATC	-3P	5	S--4-6	I------
.781-070	TOOTH POLISHER	CLOCK / WATC	-3P	5	L--4-6	I------
.687-014	BALANCE-TRUING INSPECTOR	CLOCK / WATC	-3P	3	S--4-6	I------
.687-018	CASE INSPECTOR	CLOCK / WATC	-2P	3	S--4-6	I------
.687-026	FINAL INSPECTOR MOVEMENT ASSEM	CLOCK / WATC	-2P	4	S--4-6	I------
.687-058	SCREW INSPECTOR	CLOCK / WATC	-3P	3	S--4-6	I------
.684-014	WHEEL AND PINION INSPECTOR	CLOCK / WATC	-3P	4	S--4-6	I------
.387-010	HANDS INSPECTOR	CLOCK / WATC	-3P	4	L--4-6	I------
.387-014	INSPECTOR WATCH PARTS	CLOCK / WATC	-3P	4	L--4-6	I------
.387-018	MECHANISM INSPECTOR	CLOCK / WATC	-3P	5	S--4-6	I------
.384-010	HAIRSPRING-TRUING INSPECTOR	CLOCK / WATC	-3-	4	S--4-6	I------
.384-014	TRUER	CLOCK / WATC	-3P	4	S--4-6	I------

716. FABRICATION AND REPAIR OF ENGINEERING AND SCIENTIFIC INSTRUMENTS

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010	ELECTRONIC-SENSING-EQUIPMENT [illegible]NST / APP		-3P	3	L--4-6	I------

719. FABRICATION AND REPAIR OF SCIENTIFIC AND MEDICAL APPARATUS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 OPTICAL-ELEMENT CLEANER — OPTICAL GOOD -2P- 3 L--4-6 I------
.887-018 POLISHER — OPTICAL GOOD -1P 2 L--4-- I------
.884-014 PLATER — INST / APP -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 LABORER PRODUCTION — INST / APP -3P 2 L--4-- I------
.781-010 TUBE-SHRINKING-MACHINE OPERATO — INST / APP -3P 5 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ASSEMBLER REGULATORS — INST / APP -3P 2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 SENSITIZER-AND-PRINTER — INST / APP -3P 3 L--4-6 I------

ASSEMBLY AND REPAIR OF ELECTRICAL EQUIPMENT (720.-729.)

Occupations in this area are concerned with the assembly, fabrication, and repair of electrical and electronic equipment such as radios; television sets; phonographs; electric motors and generators; telephone and telegraph equipment; aerospace components; household electrical appliances; light bulbs; electronic tubes and solid state circuits; storage batteries; computers and peripheral equipment; electrical wire and cable; and electronic components and accessories such as transistors, capacitors, and resistors.

The various occupations in this area demand all eight combinations of cognitive capabilities. About 40 percent of the occupations demand only perceptual processing with substantial numbers demanding only minimum cognitive capabilities, combined language and perceptual processing, and a combination of all three types. Perceptual processing demands derive from activities such as reading blueprints, graphics, and schematics; evaluation of test patterns; and visual inspection for defects. Language demands derive from activities such as verbal communication using many specialized and technical terms, reading product specifications, and recording production and test data. Mathematics demands derive from activities such as interpretation of instrument scales, verification of test values with specifications, conversion of data from one scale to another, and computation to determine expected performance values.

Manipulation of small parts and skilled use of hand tools is required in a large proportion of these occupations, and a demand for psychomotor skill in the operation of machinery is not uncommon. Knowledge of electrical principles is an asset, especially to occupations involving trouble-shooting.

Electrical assembly operations are becoming increasingly automated and foreign competition becomes strong in most older product lines. Although the number of occupational titles in repair is relatively small, the number and distribution of jobs under each tends to be great. However, repair occupations tend to demand a combination of language, mathematics, and perceptual processing with a background in or aptitude to learn basic electricity and/or electronics.

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720. ASSEMBLY AND REPAIR OF RADIO AND TELEVISION SETS AND PHONOGRAPHS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 RECORD-CHANGER ASSEMBLER PHONOGRAPH -1P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 ASSEMBLY ADJUSTER PHONOGRAPH -2P 3 L--4-- I------

720. ASSEMBLY AND REPAIR OF RADIO AND TELEVISION SETS AND PHONOGRAPHS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	MATRIX-GROOVE ROLLER	PHONOGRAPH	-1P	2	L--4-- I------
.884-018	CABINET MOUNTER	ELECTRONICS	-3P	2	M--4-- I------
.884-022	PHONOGRAPH-CARTRIDGE ASSEMBLER	PHONOGRAPH	-3P	5	S--4-6 I------
.884-026	PICTURE-TUBE INSTALLER	ELECTRONICS	-3P	3	M--4-- I------
.687-010	INSPECTOR MARKED REELS	ELECTRONICS	-3P	3	L--4-6 I------
.687-014	RECORD-CHANGER TESTER	PHONOGRAPH	-2-	2	L--4-- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010	GAGER HAND	ELECTRONICS	-3P	3	S--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-018	TELEVISION-CHASSIS INSPECTOR	ELECTRONICS	-3P	4	L--4-6 I------
.684-010	TESTER TELEVISION PICTURE TUBE	ELECTRONICS	-3P	3	M--4-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.387-018	RECORD TESTER	PHONOGRAPH	-3P	4	S--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	ALINER	ELECTRONICS	-3P	5	L--4-- I------
.387-014	QUALITY-CONTROL INSPECTOR	PHONOGRAPH	-3P	4	S--456 I------

721. ASSEMBLY AND REPAIR OF MOTORS, GENERATORS, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CLEANER AND PREPARER	ELEC EQUIP	-2P	2	M-34-- I------
.884-014	ASSEMBLER CARBON BRUSHES	ELEC EQUIP	-3P	4	S--4-- I------
.884-046	SKEIN WINDER	ELEC EQUIP	-2P	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	MOTOR ASSEMBLER	AGRIC EQUIP	-2P	2	M--4-- I------
.884-010	ARMATURE-WINDER HELPER REPAIR	ANY IND	-2P	3	M-34-- I------
.884-030	ELECTRIC-MOTOR ASSEMBLER	ELEC EQUIP	-3P	3	L--4-- I------
.684-010	VENEER MATCHER	FURN	-2P	4	L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-026	COMMUTATOR ASSEMBLER	ELEC EQUIP	-3P	5	M--4-6 I------
.884-042	INSULATION CUTTER AND FORMER	ELEC EQUIP	-3P	3	L-34-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010	VIBROMETER-BLOCK TESTER	ELEC EQUIP	-3-	5	H-3456 I------

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722. COMMUNICATIONS EQUIPMENT ASSEMBLY AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SWITCHBOX ASSEMBLER — ELEC EQUIP -1P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 WIRER,SUBASSEMBLIES — OFFICE MACH -3P 4 L--4-6 I------

723. ASSEMBLY AND REPAIR OF ELECTRICAL APPLIANCES AND FIXTURES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HEATING-ELEMENT WINDER — ELEC EQUIP -2P 2 S--4-6 I------
.887-018 WIPER — LIGHT FIX -2- 2 L--4-- I------
.887-022 WIRECUTTER — LIGHT FIX -1- 2 L--4-- I------
.884-026 ASSEMBLER CARBIDE-LAMP — LIGHT FIX -2P 3 L--4-- I------
.884-034 FLASHER ADJUSTER — LIGHT FIX -2P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 PATCHER — ELEC EQUIP -2P 2 S--4-- I------
.884-014 ASSEMBLER — ELEC EQUIP -3P 3 L--4-6 I------
.884-018 ASSEMBLER — LIGHT FIX -2P 3 L--4-- I------
.884-022 ASSEMBLER — LIGHT FIX -2P 2 L--4-- I------
.884-030 ASSEMBLER LINE — ELEC EQUIP -3P 3 M-34-- I--5-7
.687-010 CHECKER HAIR DRIERS — ELEC EQUIP -2- 2 L--4-- I------
.687-014 TESTER AND INSPECTOR,LAMPS — LIGHT FIX -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-018 TOASTER TESTER — ELEC EQUIP -2- 3 L--4-6 I------
.387-010 REFRIGERATOR INSPECTOR — REFRIGERAT.E -3- 5 L--456 I--456-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 APPLIANCE REPAIRER — ELEC EQUIP -3P 3 M--4-6 I------

724. WINDING AND ASSEMBLY OF COILS, MAGNETS, ARMATURES, AND RELATED

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 LACER AND TIER — ELEC EQUIP -1P 3 L--4-- I------
.887-038 RESISTOR-LEAD-WIRE ASSEMBLER — ELECTRONICS -2P 2 S--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.685-010 WELD INSPECTOR — ELEC EQUIP -2P 2 L--4-- I------

724. WINDING AND ASSEMBLY OF COILS, MAGNETS, ARMATURES, AND RELATED (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	BURNER	ELEC EQUIP	-2P	2	L--4--	I------
.887-018	COIL FORMER AND PRESSER	ELEC EQUIP	-2P	2	L--4-6	I---5--
.887-022	COMMUTATOR-V-RING ASSEMBLER	ELEC EQUIP	-2P	2	L--4-6	I------
.887-030	INSULATOR	ELEC EQUIP	-2P	2	L--4--	I------
.887-042	SLOT WEDGER	ELEC EQUIP	-2P	2	S--4-6	I------
.884-014	ARMATURE CONNECTOR	ELEC EQUIP	-2P	3	S--4-6	I------
.884-018	ARMATURE STRAIGHTENER	ELEC EQUIP	-2P	3	L--4-6	I------
.884-022	ARMATURE WINDER REPAIR	ANY IND	-3P	4	L--4-6	I------
.884-026	COIL FORMER TEMPLATE	ELEC EQUIP	-2P	4	M--4--	I------
.884-034	COIL TAPER HAND	ELEC EQUIP	-2P	4	L--4-6	I------
.884-038	COIL TAPER MACHINE	ELEC EQUIP	-2P	5	L--4-6	I------
.884-046	COIL WINDER AUTOMATIC	ELEC EQUIP	-2P	2	L--4-6	I---5--
.884-050	COIL WINDER OPEN SLOT	ELEC EQUIP	-2P	3	S--4-6	I------
.884-054	COIL WINDER STRAP	ELEC EQUIP	-3P	3	M-34--	I------
.884-058	COIL WINDER, HAND	ELECTRONICS	-3P	3	L--4--	I------
.884-074	LAMINATOR	ELECTRONICS	-2P	3	L--4-6	I------
.884-078	MAGNET-VALVE ASSEMBLER	ELEC EQUIP	-3P	3	S--4-6	I------
.884-086	STATIC BALANCER	ANY IND	-2P	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.781-026	WIRE COILER	ELEC EQUIP	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-014	COIL FINISHER	ELEC EQUIP	-2P	2	S--4-6	I------
.887-026	DIE CASTER	ELECTRONICS	-2P	2	L--4--	I------
.884-066	FIELD COIL REPAIRER	ELEC EQUIP	-2P	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-030	COIL SHAPER	ANY IND	-3P	5	L--4-6	I------
.884-042	COIL WINDER	ELEC EQUIP	-3P	3	S--4-6	I------
.884-070	HEADER-AND-CHOPPER ASSEMBLER	ELECTRONICS	-3P	2	L--4--	I------
.884-082	MOTOR-AND-GENERATOR-BRUSH MAKE	ELEC EQUIP	-2P	4	L--4-6	I------
.884-090	TRANSFORMER ASSEMBLER SPECIALT	ELEC EQUIP	-3P	3	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	ARMATURE BANDER	ANY IND	-3P	5	M--4-6	I------
.884-062	ELEMENT WINDER	INST / APP	-3P	3	L--4-6	I------
.884-094	UNIVERSAL-WINDING-MACHINE OPER	ELEC EQUIP E	-3P	3	L--4-6	I------
.781-010	COIL WINDER	ELEC EQUIP	-3P	5	M--4-6	I------
.781-014	COIL WINDER REPAIR	ANY IND	-3P	5	L--4-6	I------
.781-022	TRANSFORMER-COIL WINDER	LIGHT HEAT	-3P	5	L--4--	I------
.384-010	ARMATURE TESTER	ELEC EQUIP	-3-	4	L--4-6	I------
.384-014	WINDING INSPECTOR AND TESTER	ELEC EQUIP	-3-	4	M--4-6	I------

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725. ASSEMBLY OF LIGHT BULBS AND ELECTRONIC TUBES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BASE FILLER HAND	ELECTRONICS	-1P	2	L--4-- I------
.887-014 BULB ASSEMBLER COLOR TELEVISIO	ELECTRONICS	-3P	2	M--4-6 I------
.887-018 FLARE BEADER	ELECTRONICS	-2P	2	L--4-6 I------
.887-022 FOCUSER	ELEC EQUIP	-2P	2	S--4-6 I------
.887-026 GETTERER	ELEC EQUIP	-2P	2	S--4-6 I------
.887-030 GRID TRIMMER	ELECTRONICS	-2P	2	L--4-6 I------
.884-026 MOUNTER HAND	ELEC EQUIP	-3P	3	L--4-- I------
.884-028 STEM-MOUNTING-MACHINE-O	ELEC EQUIP	-3P	3	S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034 GUN ASSEMBLER	ELECTRONICS	-3P	2	S--4-- I------
.887-038 TUBE FINISHER	ELECTRONICS	-3P	2	L--4-- I------
.887-042 TUBE LAMINATOR	ELECTRONICS	-3P	2	M--4-6 I------
.687-014 COILER	ELEC EQUIP	-2P	2	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 AGER	ELECTRONICS	-3-	3	L--4-- I------
.587-010 LEAK DETECTOR	ELECTRONICS	-3P	3	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-034 TUBE COMPONENT ASSEMBLER	ELECTRONICS	-3P	3	L--4-- I------
.584-010 MASK INSERTER AND INSPECTOR	ELECTRONICS	-3P	3	L-34-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014 BULB-PUNCH-OUT-MACHINE OPERATO	ELECTRONICS	-3P	3	S--4-- I------
.884-022 GRID OPERATOR	ELECTRONICS	-3P	3	L--4-6 I------
.687-010 BEAD INSPECTOR	ELEC EQUIP	-2P	2	S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 EXHAUST OPERATOR	ELECTRONICS	-3P	4	M-34-6 I---5--
.884-030 TUBE ASSEMBLER	ELECTRONICS	-3P	4	L--4-6 I------
.684-010 COILED-COIL INSPECTOR	ELEC EQUIP	-3P	3	S--4-6 I------
.684-014 QUALITY INSPECTOR	ELECTRONICS	-3-	4	L--4-6 I------
.487-010 QUALITY-CONTROL INSPECTOR	ELEC EQUIP	-3P	3	L--4-6 I------
.484-010 GRID INSPECTOR	ELECTRONICS	-3-	3	L--4-6 I------
.484-014 TUBE TESTER	ELECTRONICS	-3-	2	S--4-6 I------

726. ASSEMBLY AND REPAIR OF ELECTRONIC COMPONENTS AND ACCESSORIES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CAPACITOR ASSEMBLER VARIABLE	ELECTRONICS	-2P	1	S--4-- I------
.887-022 ENCAPSULATOR	ELEC EQUIP E	-2-	2	L--4-- I------

726. ASSEMBLY AND REPAIR OF ELECTRONIC COMPONENTS AND ACCESSORIES, N.E.C. (CONT.)

.887-034	PLUG-WIRING-MACHINE OPERATOR	ELEC EQUIP	-2P	3	L--4-6	I---5--
.887-038	RECTIFIER PLATE CHARGER	ELECTRONICS	-2P	2	L--4--	I------
.887-046	TRIMMER	ELECTRONICS	-2P	2	S--4-6	I------
.884-022	CAPACITOR ASSEMBLER	ELECTRONICS	-3P	2	S--4-6	I------
.884-030	CAPACITOR WINDER	ELECTRONICS	-3P	3	L--4--	I------
.884-050	CRYSTAL LAPPER	ELECTRONICS	-3P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-014	AUDIMETER INSTALLER AND SERVIC	BUS SER	H2P	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-042	CRYSTAL FINISHER	ELECTRONICS	-3P	3	S--4--	I------
.884-074	ELECTROLYTIC CAPACITOR CHARGER	ELECTRONICS	-2P	3	L--4-6	I------
.884-090	POTENTIOMETER ASSEMBLER	ELECTRONICS	-3P	3	S--4-6	I------
.884-110	VACUUM-EVAPORATION OPERATOR	ELECTRONICS	-3P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	CLEANER	ELECTRONICS	-2-	1	S--4-6	I------
.887-026	METAL-BASE RECLAIMER	ELECTRONICS	-2P	1	L--4--	I------
.887-030	MOUNTER	ELECTRONICS	-3P	2	S--4-6	I------
.887-042	SILK-SCREEN PRINTER	ELECTRONICS	-2P	2	L--4--	I------
.884-010	ANTENNA ASSEMBLER	ELECTRONICS	-2P	2	S--4--	I------
.884-018	CABLE MAKER	ELEC EQUIP, E	-2P	3	L--4-6	I------
.884-038	CONDENSER ALINER	ELECTRONICS	-2P	2	S--4-6	I------
.884-054	CRYSTAL-UNIT ASSEMBLER	ELECTRONICS	-3P	2	S--4-6	I------
.884-062	ELECTRONIC-SCALE SUBASSEMBLER	BAL / SCALES	-2P	3	S--4-6	I------
.884-070	FILTER ASSEMBLER	ELECTRONICS	-2P	3	S--4-6	I------
.884-078	GRID ASSEMBLER	ELECTRONICS	-2P	2	S--4-6	I---5--
.884-082	MODULE ASSEMBLER	ELECTRONICS	-3P	3	S--4-6	I------
.884-086	PHOTORESIST PRINTER	ELECTRONICS	-3P	3	S--4--	I------
.884-094	PRINTED-CIRCUIT ASSEMBLER	ELECTRONICS	-2P	2	S--4-6	I------
.884-102	SPEAKER ASSEMBLER	ELECTRONICS	-3P	4	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-058	DIFFUSION-FURNACE OPERATOR	ELECTRONICS	-3P	4	L--4--	I------
.884-010	CALIBRATOR RESISTORS	ELECTRONICS	-3P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-018	CONVEYOR-LINE WORKER TELEVISIO	ELECTRONICS	-3P	2	M--4--	I-3-5--
.884-034	CAPACITOR-PACK-PRESS OPERATOR	ELEC EQUIP	-3P	4	M-34--	I------
.884-106	TRANSFORMER ASSEMBLER	ELECTRONICS	-3P	3	S--4-6	I------
.687-010	INSPECTOR COMPONENTS	ELECTRONICS	-3-	2	S--4-6	I------

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726. ASSEMBLY AND REPAIR OF ELECTRONIC COMPONENTS AND ACCESSORIES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-026 CAPACITOR ASSEMBLER VARIABLE ELECTRONICS -3P 2 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-046 CRYSTAL GROWER ELECTRONICS -3P 4 L--4-6 I------
.884-098 SEMICONDUCTOR ASSEMBLER ELECTRONICS -3P 2 S--4-6 I------
.781-010 ELECTRONICS ASSEMBLER ELECTRONICS -3P 5 L--4-6 I------
.687-014 TESTER ELECTRONIC COMPONENTS ELECTRONICS -3- 2 S--4-- I------
.384-014 INSPECTOR FINISHING ELECTRONICS -3P 4 L--4-6 I----67
.384-018 INSPECTOR PRINTED CIRCUIT BOAR ELECTRONICS -3- 4 S--4-6 I------
.384-022 INSPECTOR SUBASSEMBLIES ELECTRONICS -3- 4 S--4-6 I------

727. STORAGE BATTERY ASSEMBLY

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ACID DUMPER ELEC EQUIP -2P 2 M-34-6 I------
.887-014 ACID FILLER ELEC EQUIP -2P 2 L--4-6 I------
.887-030 BATTERY STACKER ELEC EQUIP -2- 2 M-34-6 I------
.887-034 BATTERY-CONTAINER-FINISHING HA ELEC EQUIP -2P 2 L--4-- I------
.884-010 ACID ADJUSTER ELEC EQUIP -2P 2 L--4-- I------
.884-030 ELEMENT BURNER ELEC EQUIP -1P 3 L--4-6 I---567
.884-034 INTERCELL-CONNECTOR BURNER ELEC EQUIP -1P 3 L--4-6 I---567
.687-014 ELECTRIC-CONTAINER TESTER ELEC EQUIP -2- 2 M-34-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 BATTERY CHARGER ELEC EQUIP -3- 3 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 ASSEMBLER DRY CELL AND BATTERY ELEC EQUIP -2P 2 L--4-6 I---5--
.887-038 BATTERY-PARTS ASSEMBLER ELEC EQUIP -2P 3 L-34-- I------
.887-042 BATTERY CONTAINER CLEANER ELEC EQUIP -2P 2 L-34-6 I--4-67
.887-046 CELL-COVER PLACER ELEC EQUIP -2P 2 L--4-6 I------
.887-050 CELL-TUBER HAND ELEC EQUIP -2P 2 L--4-6 I------
.887-054 FORMING-PROCESS-LINE WORKER ELEC EQUIP -3P 3 M-34-- I------
.887-058 LEAD-BURNER HELPER ELEC EQUIP -2P 2 M--4-6 I------
.887-062 LEAD-CASTER HELPER ELEC EQUIP -2P 2 L--4-6 I---5--
.887-066 BATTERY PLATE REMOVER ELEC EQUIP -1P 2 M--4-6 I---5--
.884-014 BATTERY ASSEMBLER ELEC EQUIP -2P 4 L--4-6 I------
.884-022 BATTERY-ASSEMBLER MOTORCYCLE ELEC EQUIP -3P 3 L--4-6 I------
.884-026 CELL REPAIRER ELEC EQUIP -3P 2 S--4-6 I------
.884-038 LEAD BURNER ELEC EQUIP -3P 3 L--4-6 I---567
.884-042 PLATE ASSEMBLER SMALL BATTERY ELEC EQUIP -3P 3 L--4-- I------
.884-046 SEALER ELEC EQUIP -3P 3 L-34-- I------

727. STORAGE BATTERY ASSEMBLY.(CONT.)

.687-010	ALUMINUM-CONTAINER TESTER	ELEC EQUIP	-3-	2	L--4-6	I------
.687-018	FINAL INSPECTOR	ELEC EQUIP	-2-	2	L--4-6	I------
.687-022	INSPECTOR	ELEC EQUIP	-2-	2	L--4-6	I------
.687-026	INSPECTOR CONTAINER FINISHING	ELEC EQUIP	-2-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.781-010	BATTERY RECHARGER	ELEC EQUIP	-3-	5	L--4-6	I------
.384-010	BATTERY TESTER	ELEC EQUIP	-3-	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-026	BATTERY CHARGER CONVEYOR LINE	ELEC EQUIP	-3P	2	M--4--	I------
.884-018	BATTERY ASSEMBLER PLASTIC	ELEC EQUIP	-3P	2	L--4-6	I----67
.687-034	SPARK TESTER	ELEC EQUIP	-2-	2	L--4-6	I------
.585-010	PLATE-SLITTER AND INSPECTOR	ELEC EQUIP	-3P	2	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-070	WAFER-LINE WORKER	ELEC EQUIP	-3P	2	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-030	MOLDED-PARTS INSPECTOR	ELEC EQUIP	-3-	3	L--4-6	I------

728. FABRICATION OF ELECTRICAL WIRE AND CABLE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	WIREWORKER	ELECTRONICS	-2P	2	S--4-6	I------
.884-014	ELECTRICAL-LINE SPLICER	PETROL PRODU	-3P	5	M--4-6	I------
.884-018	SPARK TESTER	ELEC EQUIP I	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010	ASSEMBLER ELECTRICAL WIRE GROU	AIRCRAFT MFG	-3P	3	L--4-6	I------

729. ASSEMBLY AND REPAIR OF ELECTRICAL EQUIPMENT, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018	ELECTRODE CLEANER	ELEC EQUIP	-1-	1	L--4--	I-----7
.887-026	PLATE STACKER HAND	ELEC EQUIP	-1-	2	L-34-6	I---5--
.684-010	BATTERY-CHARGER TESTER HIGH RA	ELEC EQUIP	-2-	3	L--4--	I------
.387-026	INSULATOR TESTER	LIGHT HEAT	-2-	4	M2-4-6	O----6-

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729. ASSEMBLY AND REPAIR OF ELECTRICAL EQUIPMENT, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.887-014 MICA-WASHER GLUER — MINERALS / E -2- 2 L--4-- I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.887-022 LAMINATION SPINNER — ELEC EQUIP -2P 2 M-34-- I------
.887-030 SALVAGER — LIGHT HEAT -2P 3 M--4-- B------
.884-010 ASSEMBLER ELECTRICAL ACCESSORI — ELEC EQUIP -2P 2 L--4-6 I------
.884-030 ELECTRIC-SIGN ASSEMBLER — SIGNS -3P 3 L--4-6 I------
.884-038 ELECTRICIAN HELPER AUTOMOTIVE — AUTO SER -3P 2 M-34-- I------
.884-046 LAMINATION STACKER — ELEC EQUIP -3P 3 L--4-6 I------
.884-058 SALVAGE REPAIRER II — LIGHT HEAT -3P 5 M-34-- B------
.884-062 SPARK-PLUG ASSEMBLER — ELEC EQUIP -2P 2 L--4-- I------
.884-066 TEST-DEPARTMENT HELPER — ELEC EQUIP -2P 3 H-34-6 I------
.684-014 TESTER ELECTRICAL CONTINUITY — ELEC EQUIP -2- 3 L--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	**MODERATE**

.887-010 ASSEMBLER ELECTRICAL ACCESSORI — ELEC EQUIP -3P 2 S--4-- I------
.884-014 CAPACITOR ASSEMBLER — ELEC EQUIP -3P 4 M-34-6 I------
.884-018 CAPACITOR REPAIRER — ELEC EQUIP -2P 4 M-34-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	**MODERATE**

.884-026 DIAL MARKER — ELEC EQUIP -2P 2 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	**MODERATE**

.884-022 CHASSIS ASSEMBLER — ELECTRONICS -3P 3 L--4-6 I------
.884-034 ELECTRICAL-CONTROL ASSEMBLER — ELEC EQUIP -3P 5 L--4-6 I------
.884-050 MOLD OPERATOR — ELEC EQUIP -3P 5 H-34-- I------
.884-054 REPAIRER, SWITCHGEAR — ELEC EQUIP -3P 5 M--4-6 I------
.387-010 DE-ICER INSPECTOR ELECTRIC — RUBBER GOODS -3- 4 L--4-6 I------
.387-014 DE-ICER TESTER — RUBBER GOODS -3- 4 L--4-- I--4-6-
.387-018 FINISHING INSPECTOR — ELEC EQUIP -3- 5 L--4-6 I---5--

ASSEMBLY AND REPAIR OF ASSORTED PRODUCTS (730.-739.)

Occupations in this area are concerned with shaping, fitting, trimming, assembling, joining, finishing, and repairing products made from combinations of materials such as metal, wood, plastic, rubber, fabric, and paper. Varied products include musical instruments, games and toys, pens and pencils, artists' supplies and materials, jewelry, ordnance and supplies, explosives, notions such as buttons and zippers, smoking pipes, and a multitude of other miscellaneous items.

Some of the 404 occupational titles listed in this handbook for this area demand each of the eight combinations of cognitive capabilities. Nearly 45 percent of them make minimum cognitive demands and another 25 percent demand only perceptual processing. Substantial numbers demand a combination of language and perceptual processing or a combination of all three types. Perceptual processing demands derive from activities in inspecting and verifying the performance characteristics of products. Language demands usually derive from activities such as verbal communications and recording production information and less commonly derive from reading written work instructions or product specifications. Mathematical demands derive largely from the weighing or measuring of materials or products.

Dexterous use of the hands to manipulate parts, using hand tools rapidly and with precision, and the use of power tools are all commonly required.

Entry opportunities are widespread but product demand may be volatile and career progression opportunities are limited.

730. FABRICATION AND REPAIR OF MUSICAL INSTRUMENTS AND PARTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		PHYS.D	WK COND
		HRP SVP	123456 1234567
.887-014	HEAD TUCKER	MUSICAL INST -2P	3 L--4-- I------
.884-066	RIM BENDER	MUSICAL INST -2P	2 H--4-- I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-016	BELL-NECK HAMMERER	MUSICAL INST -2P	2 M--4-- I---5--
.884-026	KEY REPAIRER	MUSICAL INST -2P	3 L--4-- I------
.884-034	KNOBBER	MUSICAL INST -2P	3 L--4-6 I------
.884-050	MUSICAL-STRING MAKER	MUSICAL INST -3P	4 L--4-- I------
.884-058	PREASSEMBLER AND INSPECTOR	MUSICAL INST -2P	4 L--4-- I------
.884-070	SANDER-AND-BUFFER	MUSICAL INST -1P	3 S--4-- I-----7
.884-074	SEAM HAMMERER	MUSICAL INST -2P	3 L--4-- I---5--
.884-082	SLIDING-JOINT MAKER	MUSICAL INST -3P	3 S--4-- I---5--
.884-086	SOCKET PULLER	MUSICAL INST -3P	4 M--4-- I------
.884-102	TONE REGULATOR	MUSICAL INST -2P	4 L--45- I------

PHYS.D WK COND
HRP SVP 123456 1234567

730. FABRICATION AND REPAIR OF MUSICAL INSTRUMENTS AND PARTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010	CUTTER WOODWIND REEDS	MUSICAL INST	-2P	2	S--4-- I---5-7
.884-010	ACTION FINISHER	MUSICAL INST	-2P	3	L--4-6 I------
.884-078	SHEET-METAL-PATTERN CUTTER	MUSICAL INST	-2P	3	L--4-6 I------
.684-014	CHIP TUNER	MUSICAL INST	-3P	4	M--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	ASSEMBLER PIANO	MUSICAL INST	-3P	4	L--4-6 I------
.884-022	CONSOLE ASSEMBLER	MUSICAL INST	-3P	4	L--45- I------
.884-024	FINAL ASSEMBLER BRASS W	MUSICAL INST	-3P	4	S--4-6 I------
.884-030	KEYBOARD-ACTION ASSEMBLER	MUSICAL INST	-3P	4	L--4-- I------
.884-038	MANUAL WINDER	MUSICAL INST	-3P	3	L--4-- I------
.884-054	PIANO STRINGER	MUSICAL INST	-2P	4	M--4-- I------
.884-090	STOPBOARD ASSEMBLER	MUSICAL INST	-3P	4	L--4-- I------
.884-094	STRINGED-INSTRUMENT ASSEMBLER	MUSICAL INST	-3P	4	L--4-6 I------
.884-098	TONE CABINET ASSEMBLER	MUSICAL INST	-3P	3	M-34-- I------
.781-010	BELLY BUILDER	MUSICAL INST	-3P	5	H--4-6 I------
.781-018	PIANO-ACTION REGULATOR	MUSICAL INST	-3P	5	L--4-6 I------
.781-022	PISTON MAKER	MUSICAL INST	-3P	5	L--4-- L---5--
.684-010	ACTION INSPECTOR	MUSICAL INST	-3P	4	L--4-6 I------
.684-018	FRETTED-INSTRUMENT INSPECTOR	MUSICAL INST	-3P	4	S--45- I---5--
.684-022	INSPECTOR WOODWIND INSTRUMENTS	MUSICAL INST	-3P	4	S--4-6 I------
.387-010	FINAL INSPECTOR	MUSICAL INST	-3P	5	L--456 I------

731. FABRICATION AND REPAIR OF GAMES AND TOYS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	ASSEMBLER	COIN MACH	-2P	2	L--4-- I------
.887-014	ASSEMBLER LIQUID CENTER	SPORTS EQUIP	-3P	2	M--4-- I--4---
.887-018	ASSEMBLER TOY VOICES	TOYS / GAMES	-2P	2	L--4-6 I------
.887-030	DOLL-EYE-SETTER	TOYS / GAMES	-2P	2	L--4-- I------
.887-042	HACKLER DOLL WIGS	HAIRWORK	-1-	2	L--4-- I------
.887-050	MOLD FILLER PLASTIC DOLLS	TOYS / GAMES	-2P	3	H--4-- I---5--
.887-062	REAMER	TOYS / GAMES	-2P	2	L--4-- I------
.887-078	WHEEL ASSEMBLER BABY CARRIAGE	TOYS / GAMES	-2P	2	L--4-6 I------
.887-082	WIRE CUTTER	COIN MACH	-1-	2	L--4-- I------
.884-030	ROOTER OPERATOR	HAIRWORK	-2P	3	S--4-6 I------
.884-034	STUFFED-TOY JOINER	TOYS / GAMES	-1P	3	L--4-- I------
.884-042	TOY ASSEMBLER METAL	TOYS / GAMES	-2P	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022	BRUSHER	TOYS / GAMES	-2-	1	S--4-- I------
.887-066	STUFFER	TOYS / GAMES	-2P	2	S--4-- I-----7
.887-074	TURNER DOLL WIGS	HAIRWORK	-2P	2	L--4-- I------

731. FABRICATION AND REPAIR OF GAMES AND TOYS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026	DOLL GRINDER	TOYS / GAMES	-2P	2	L--4--	I------
.887-034	FINISHER	HAIRWORK	-2P	2	S--4--	I------
.887-046	MARKER	TOYS / GAMES	-2-	2	L-34--	I------
.887-054	MOLD STRIPPER PLASTIC DOLLS	TOYS / GAMES	-2P	3	M--4--	I---5--
.887-058	PUZZLE ASSEMBLER	TOYS / GAMES	-2-	2	L--4-6	I------
.887-070	TOY ASSEMBLER PLASTIC	TOYS / GAMES	-2P	2	L--4-6	I------
.884-010	COIN-MACHINE ASSEMBLER	COIN MACH	-2P	3	L--4--	I------
.884-014	DECORATOR HAND	TOYS / GAMES	-3P	4	S--4-6	I------
.884-018	DOLL REPAIRER	RET TR	-2P	5	L--4-6	I------
.884-022	DOLL REPAIRER	ANY IND	-2P	3	L--4-6	I------
.884-026	PUPPETEER	TOYS / GAMES	-2P	3	L--4-6	I------
.884-046	TOY ASSEMBLER WOOD	TOYS / GAMES	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-038	FINISHER HAND	TOYS / GAMES	-2P	2	L--4--	I------
.884-038	TOY ASSEMBLER	RET TR	-2P	3	L-34--	I------
.884-050	TOY-ELECTRIC TRAIN REPAIRER	RET TR.	-2P	3	L--4--	I------
.687-010	INSPECTOR METAL TOYS	TOYS / GAMES	-3P	3	L--4-6	I------

732. FABRICATION AND REPAIR OF SPORTING GOODS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BASE FILLER	SPORTS EQUIP	-2P	1	L--4--	I------
.887-018	BASING-MACHINE OPERATOR	SPORTS EQUIP	-2P	2	L--4--	I------
.887-022	CASTING-PLUG ASSEMBLER	SPORTS EQUIP	-1P	2	L--4--	I------
.887-026	CEMENTER	SPORTS EQUIP	-1-	2	L--4--	I------
.887-030	CUSHION JOINER	SPORTS EQUIP	-2P	2	L--4--	I------
.887-046	GOLF-CLUB WEIGHTER	SPORTS EQUIP	-2P	2	L--4--	I----6-
.887-054	HAY SORTER	SPORTS EQUIP	-1-	1	M--4--	I------
.887-062	LACER	SPORTS EQUIP	-1P	3	L--4--	I------
.887-070	LINING INSERTER	SPORTS EQUIP	-2P	2	M--4--	I------
.887-072	MACHINE SNELLER	SPORTS EQUIP	-2P	2	L--4--	I----6-
.887-074	MOLD CLEANER	SPORTS EQUIP	-2P	1	M-34--	I-3-567
.887-078	MOLD STRIPPER	SPORTS EQUIP	-2P	2	M-34--	I------
.887-082	MOLDER INFLATED BALL	SPORTS EQUIP	-2P	2	M--4--	I------
.887-086	MOLDER WAX BALL	SPORTS EQUIP	-2P	2	M--4--	I-3----
.887-090	NOCK APPLIER	SPORTS EQUIP	-1P	2	S--4--	I------
.887-098	POINTER	SPORTS EQUIP	-2P	2	S--4--	I------
.887-102	REVERSER	SPORTS EQUIP	-1-	2	M--4--	I------
.887-106	RUBBER ATTACHER	SPORTS EQUIP	-1-	2	L--4--	I------
.887-110	SNELLER, HAND	SPORTS EQUIP	-1P	2	L--4--	I------
.887-118	STUFFING-MACHINE OPERATOR	SPORTS EQUIP	-2P	2	L--4--	I------
.887-126	TENNIS-RACKET WINDER	SPORTS EQUIP	-1P	2	L--4--	I------
.887-130	TRIMMING-MACHINE OPERATOR	SPORTS EQUIP	-1P	3	L--4--	I------
.887-134	WAX-BALL KNOCK-OUT WORKER	SPORTS EQUIP	-1-	2	M--4--	I------

732. FABRICATION AND REPAIR OF SPORTING GOODS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND	HRP	SVP	123456	1234567
.884-014	BASE-FILLER OPERATOR	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.884-018	BASEBALL SEWER HAND	SPORTS EQUIP	-2P	3	L	--	4	6	I------
.884-022	BILLIARD-TABLE REPAIRER	RET TR SPORT	-2P	3	L	--	4	6	I------
.884-038	BOW-STRING MAKER	SPORTS EQUIP	-2P	3	L	--	4	--	I------
.884-050	FEATHER STITCHER	SPORTS EQUIP	-1P	3	L	--	4	6	I------
.884-058	FISH-STRINGER ASSEMBLER	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.884-078	FIXING-MACHINE OPERATOR	SPORTS EQUIP	-2P	3	M	--	4	--	I------
.884-086	GRIP WRAPPER	SPORTS EQUIP	-2P	4	M	--	4	--	I------
.884-106	ROLLER-SKATE ASSEMBLER	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.884-118	SPIN-TABLE OPERATOR	FABRIC PLAST	-2P	3	M	--	4	--	I------
.884-130	TARGET TRIMMER	SPORTS EQUIP	-2P	3	M	--	4	--	I------
.587-018	GOLF-CLUB WEIGHER	SPORTS EQUIP	-2P	2	M	--	4	6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-038	FLETCHER	SPORTS EQUIP	-2P	3	S	--	4	--	I------
.884-042	BOWLING-BALL ENGRAVER	SPORTS EQUIP	-2P	5	L	--	4	6	I------
.884-062	FISHING-LURE ASSEMBLER	SPORTS EQUIP	-3P	3	L	--	4	6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-114	SOFTBALL CORE MOLDER	SPORTS EQUIP	-2P	2	M	--	4	--	I-3----
.884-138	WEIGHER	SPORTS EQUIP	-2P	2	L	--	4	--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	BALL POLISHER	FABRIC PLAST	-2P	3	M	--	4	--	I------
.887-034	FEATHER SAWYER	SPORTS EQUIP	-2P	2	L	--	4	6	I----6-
.887-050	HAND FINISHER BOWLING BALLS	SPORTS EQUIP	-2P	2	L	--	4	--	I--4---
.887-058	LABORER	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.887-066	LEADER TIER	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.887-094	PAINTER CORK	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.887-122	TENNIS-BALL-COVER CEMENTER	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.884-010	BALL ASSEMBLER	SPORTS EQUIP	-3P	3	L	--	4	6	I------
.884-026	BOW REPAIRER, PRODUCTION	SPORTS EQUIP	-3P	4	M	--	4	6	I-----7
.884-034	BOW-LIMB ALINER	SPORTS EQUIP	-3P	3	M	--	4	6	I------
.884-046	CELLULOID TRIMMER	SPORTS EQUIP	-2P	2	L	--	4	--	I------
.884-066	FISHING-REEL ASSEMBLER	SPORTS EQUIP	-3P	2	S	--	4	--	I------
.884-070	FISHING-ROD ASSEMBLER	SPORTS EQUIP	-3P	2	L	--	4	--	I------
.884-082	FLY TIER	SPORTS EQUIP	-2P	4	S	--	4	6	I------
.884-094	GUIDE-BASE WINDER MACHINE	SPORTS EQUIP	-3P	2	L	--	4	6	I------
.884-102	RACKET STRINGER	SPORTS EQUIP	-2P	5	L	--	4	--	I------
.884-110	ROLLER-SKATE REPAIRER	ANY IND	-2P	4	L	--	4	--	I------
.884-114	SHAPER BASEBALL GLOVE	SPORTS EQUIP	-2P	2	M	--	4	--	I------
.884-122	SPORTS-EQUIPMENT REPAIRER	ANY IND	-3P	4	L	--	4	6	I------
.884-126	SURFBOARD MAKER	SPORTS EQUIP	-2P	3	M	--	4	--	I------
.884-134	TENNIS-BALL COVERER HAND	SPORTS EQUIP	-2P	3	L	--	4	6	I------
.387-010	BASEBALL INSPECTOR AND REPAIRE	SPORTS EQUIP	-3P	3	L	--	4	6	I------

732. FABRICATION AND REPAIR OF SPORTING GOODS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-042	GOLF-BALL TRIMMER	SPORTS EQUIP	-2P	2	S--4-6 I------
.587-014	BOWLING-BALL WEIGHER AND PACKE	SPORTS EQUIP	-3-	4	L--4-6 I------
.384-014	INSPECTOR AND ADJUSTER GOLF CL	SPORTS EQUIP	-3P	4	M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-054	FINISHER	SPORTS EQUIP	-2P	5	L--4-6 I-----7
.884-074	FISHING-ROD MARKER	SPORTS EQUIP	-2-	2	L--4-- I------
.884-090	GUIDE WINDER	SPORTS EQUIP	-2P	3	S--4-6 I------
.884-098	PELOTA MAKER	SPORTS EQUIP	-2P	4	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-030	BOW TILLER AND BUFFER	SPORTS EQUIP	-2P	4	M--4-6 I-----7
.587-010	BOW WEIGHER	SPORTS EQUIP	-3P	4	H--4-6 I-----7
.587-022	INSPECTOR GOLF BALL	SPORTS EQUIP	-2-	2	M--4-6 I------
.384-010	INSPECTOR	SPORTS EQUIP	-3P	3	L--456 I------

733. FABRICATION AND REPAIR OF OFFICE AND ARTISTS' MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-022	BANDER	PEN / PENCIL	-1P	1	S--4-- I------
.887-026	CHALK-CUTTING-MACHINE OPERATOR	PEN / PENCIL	-2P	2	M--4-- I------
.887-030	CLAMPER	PEN / PENCIL	-2P	2	M--4-- I---5--
.887-034	DATER ASSEMBLER	PEN / PENCIL	-2P	2	L--4-6 I------
.887-038	DESK-PEN-SET ASSEMBLER	PEN / PENCIL	-2P	2	L--4-6 I------
.887-042	DIPPER	PEN / PENCIL	-2-	1	M--4-- I------
.887-046	GROOVING-MACHINE OPERATOR	PEN / PENCIL	-2P	2	L--4-6 I------
.887-054	STAMP-PAD FINISHER	PEN / PENCIL	-1-	1	L--4-- I------
.887-058	TIP BANDER	PEN / PENCIL	-2P	2	L--4-- I---5--
.884-034	STAMP-PAD MAKER	PEN / PENCIL	-2P	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014	PAINT-BRUSH MAKER	BRUSH	-2P	4	S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	ASSEMBLER	PEN / PENCIL	-2P	2	S--4-- I------
.887-014	ASSEMBLER MARKING DEVICES	PEN / PENCIL	-2P	2	L--4-6 I------
.887-018	ASSEMBLER MECHANICAL PENCILS A	PEN / PENCIL	-2P	2	L--4-6 I---5--
.887-062	TIPPING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4-- I---5--
.884-018	PEN-AND-PENCIL REPAIRER	ANY IND	-2P	4	S--4-6 I------
.884-026	SMOOTHER	PEN / PENCIL	-2P	2	S--4-- I------
.687-026	PENCIL INSPECTOR	PEN / PENCIL	-2-	2	L--4-6 I------
.687-030	STENCIL INSPECTOR	PEN / PENCIL	-2-	2	L--4-6 I------
.587-010	INSPECTOR RUBBER-STAMP DIE	PEN / PENCIL	-2-	5	L--4-6 I------

PHYS.D WK COND
HRP SVP 123456 1234567

733. FABRICATION AND REPAIR OF OFFICE AND ARTISTS' MATERIALS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-050	RIBBON WINDER	PEN / PENCIL	-2P	3	S--4-6 I------
.884-022	REPAIRER PENS AND PENCILS	PEN / PENCIL	-2P	2	L--4-6 I------
.884-030	STAMP MOUNTER	PEN / PENCIL	-3P	3	L--4-6 I------
.687-018	INSPECTOR FINAL ASSEMBLY	PEN / PENCIL	-2-	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010	ASSEMBLER	OFFICE MACH	-3P	3	M--4-6 I---5--
.687-010	INSPECTOR	PEN / PENCIL	-2P	2	S--4-6 I------
.687-014	INSPECTOR BALL POINTS	NONFER METAL	-2P	3	L--4-- I------
.687-022	NIB INSPECTOR	PEN / PENCIL	-2-	3	L--4-6 I------

734. FABRICATION OF NOTIONS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AGETONE-BUTTON PASTER	BUTTON	-1-	2	S--4-- I------
.887-014	ASSEMBLER	BUTTON	-1-	2	S--4-- I------
.887-022	BOBBIN DISKER	GLASS MFG	-1-	2	L--4-- I------
.887-026	BUCKLE-WIRE INSERTER	BUTTON	-1-	1	S--4-- I------
.887-030	BUTTON WEAVER HAND	BUTTON	-2P	2	S--4-6 I------
.887-034	BUTTON-AND-BUCKLE MAKER	ANY IND	-2P	3	L--4-- I------
.887-038	BUTTON-BLANK-PRESS OPERATOR	BUTTON	-1-	2	S--4-- I------
.887-042	COVERED-BUCKLE ASSEMBLER	BUTTON	-2P	3	S--4-6 I------
.887-046	GRINDER HAND	BUTTON	-1-	2	L--4-6 I------
.887-050	HOT-STONE SETTER	BUTTON	-1-	2	S--4-- I------
.887-054	INSIDE-FIBER TIPPER	NARROW FABRI	-2P	2	S--4-6 I------
.887-058	PASTER	BUTTON	-1-	1	S--4-- I------
.887-074	SLIDER ASSEMBLER	GARMENT NEED	-2P	2	L--4-- I------
.887-078	SPLITTER HAND	BUTTON	-1P	2	S--4-6 I------
.884-010	ASSEMBLER	TEX PROD N E	-2P	2	L--4-- I------
.884-022	FEATHER-DUSTER WINDER	HOUSE FURN	-2P	3	L--4-- I------
.884-028	SEWER CLOTH-COVERED BUT	BUTTON	-1-	2	S--4-- I------
.884-030	STAMPER	BUTTON	-1-	2	M--4-- I------
.884-034	STICKER	ARTIF FLOWER	-1-	2	S--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	BENCH WORKER	NEEDLE PIN	-2-	2	L--4-- I------
.887-062	QUILL-BUNCHER-AND SORTER	HOUSE FURN	-2-	3	S--4-6 I------
.887-066	SLIDE-FASTENER REPAIRER	NEEDLE PIN	-3P	2	L--4-6 I------
.887-070	SLIDE-FASTENER-CHAIN ASSEMBLER	NEEDLE PIN	-2-	2	S--4-6 I------
.884-014	BUTTON-CUTTING-MACHINE OPERATO	BUTTON	-2P	4	L--4-6 I---5-7
.884-018	FEATHER SHAPER	ARTIF FLOWER	-2P	2	S--4-- I------
.884-026	NEEDLE-STRAIGHTENER	NEEDLE PIN	-2-	3	L--4-6 I------
.687-010	BUCKLE INSPECTOR	BUTTON	-1-	2	L--4-6 I------
.687-014	BUCKLE SORTER	BUTTON	-2-	2	S--4-6 I------

734. FABRICATION OF NOTIONS (CONT.)

.687-018 BUTTON GRADER	BUTTON	-2-	4	S--4-6	I------
.687-022 BUTTON RECLAIMER	KNIT GOODS	-1-	2	S--4-6	I------
.687-030 SHELL-GRADER	BUTTON	-2-	4	H--4-6	I------
.687-034 SORTER	BUTTON	-1P	2	S--4-6	I------
.687-038 ZIPPER TRIMMER HAND	NEEDLE PIN	-2-	2	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-026 INSPECTOR SLIDE FASTENERS	NEEDLE PIN	-2-	4	L--4-6	I---5--

735. FABRICATION AND REPAIR OF JEWELRY, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CHAIN MENDER	JEWELRY	-2P	3	S--4--	I------
.887-014 COMPACT ASSEMBLER	JEWELRY	-2P	2	S--4--	I------
.887-018 DIPPER	JEWELRY	-2-	2	L--4--	I--4---
.887-022 LINKER	JEWELRY	-2P	3	S--4--	I------
.887-026 PAINTER	JEWELRY	-1-	2	S--4--	I------
.887-034 RACKER	JEWELRY	-1-	2	L--4--	I------
.887-042 STONE SETTER	JEWELRY	-2P	2	S--4-6	I------
.887-046 STONE-SETTER APPRENTICE	JEWELRY	-2P	3	S--4-6	I------
.887-050 SWEDGER	JEWELRY	-2P	2	L--4--	I------
.887-054 WIRE DRAWER	JEWELRY	-2-	2	L--4--	I------
.884-014 MUSIC-BOX ASSEMBLER	MUSICAL INST	-2P	3	L--4--	I------
.884-018 STONER	JEWELRY	-2P	4	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-022 TROPHY ASSEMBLER	JEWELRY	-2P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 PIN-OR-CLIP FASTENER	JEWELRY	-2P	2	S--4--	I------
.887-038 SORTER	JEWELRY	-1-	2	S--4--	I------
.884-010 BEAD STRINGER	JEWELRY	-2P	5	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010 COLORING CHECKER	JEWELRY	-3-	4	L--4-6	I------

736. FABRICATION AND REPAIR OF ORDNANCE AND ACCESSORIES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 GREASER	FIREARMS	-1-	2	M--4--	I------
.687-010 INSPECTOR BARREL	FIREARMS	-2-	2	H--4-6	I------

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736. FABRICATION AND REPAIR OF ORDNANCE AND ACCESSORIES (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 BARREL LOADER AND CLEANER FIREARMS -2P 2 M--4-- I---56-
.887-022 INSPECTOR LIVE AMMUNITION FIREARMS -2- 1 L--4-- I--456-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.781-010 FITTER VENTILATED RIB FIREARMS -3P 5 M--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 FRONT-SIGHT ATTACHER FIREARMS -2P 2 L--4-- I------
.884-022 BARREL FINISHER FIREARMS -2P 4 M--4-6 I------
.884-030 BARREL STRAIGHTENER FIREARMS -3P 5 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-034 GAS-CHECK-PAD MAKER FIREARMS -3P 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 BARREL REPAIRER FIREARMS -2P 5 M--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 ALINER BARREL AND RECEIVER FIREARMS -3P 3 H-34-6 I--4---
.884-014 ASSEMBLER FIREARMS -3P 3 L--4-6 I------
.781-014 SIGHT MOUNTER FIREARMS -3P 5 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 ASSEMBLER FIREARMS -3P 4 M--4-6 I------
.781-018 TARGETEER FIREARMS -3P 5 S--4-6 I---56-
.587-010 INSPECTOR ASSEMBLY FIREARMS -3- 3 M----- I--4---
.387-014 PROOF INSPECTOR FIREARMS -3P 3 L--4-6 I---56-

737. FABRICATION OF AMMUNITION, FIREWORKS, EXPLOSIVES, AND RELATED PRODUC

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER AMMUNITION -2P 2 L--4-- I----6-
.887-018 BLASTING-CAP ASSEMBLER AMMUNITION -2P 2 L-34-- I------
.887-022 BOMB LOADER AMMUNITION -3P 3 M-34-- I---56-
.887-030 CHECK WEIGHER AMMUNITION -2P 1 S--4-6 I----67
.887-034 CORE LOADER AMMUNITION -2P 1 L--4-- I-----7
.887-058 IGNITER CAPPER AMMUNITION -1- 1 L--4-- I------
.887-062 LABORER AMMUNITION ASSEMBLY AMMUNITION -2P 3 M--4-- I----6-
.887-070 LACQUER-PIN-PRESS OPERATOR AMMUNITION -2P 1 L--4-- I----6-
.887-074 MANUAL-PLATE FILLER AMMUNITION -1P 2 L--4-- I------

737. FABRICATION OF AMMUNITION, FIREWORKS, EXPLOSIVES, AND RELATED PRODUCTS (CONT.)

.887-078	PRIMER ASSEMBLER	AMMUNITION	-2P	3	M--4-6	I----6-
.887-082	PRIMER BOXER	AMMUNITION	-2P	2	L--4--	I----6-
.887-086	PRIMER CHARGER	AMMUNITION	-2P	3	M--4--	I----6-
.887-090	PROPELLANT-CHARGE-ZONE ASSEMBL	AMMUNITION	-2P	3	M--4-6	I----6-
.887-098	SCREW-EYE ASSEMBLER	AMMUNITION	-1-	1	L--4--	I------
.887-106	TAPPER HAND	AMMUNITION	-2P	1	M--4--	I------
.884-018	FUSE ASSEMBLER	AMMUNITION	-2P	3	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-026	BOOSTER ASSEMBLER	AMMUNITION	-2P	2	L--4--	I------
.887-042	EXPLOSIVE OPERATOR	AMMUNITION	-3P	3	L--4--	I----6-
.887-066	LABORER AMMUNITION ASSEMBLY	AMMUNITION	-3P	2	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-038	DETONATOR ASSEMBLER	AMMUNITION	-2P	2	L--4--	I----6-
.887-102	SHADOWGRAPH-SCALE OPERATOR	AMMUNITION	-2P	2	S--4-6	I----67
.884-022	INSPECTOR SALVAGE	AMMUNITION	-2P	2	L--4--	I----6-
.884-024	POWDER WORKER, TNT	AMMUNITION	-3P	4	M--4--	I----6-
.487-010	PROPELLANT-CHARGE LOADER	AMMUNITION	-3P	2	M-----	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-110	VARNISHING-UNIT OPERATOR	AMMUNITION	-2P	2	L--4--	I------
.687-014	INSPECTOR BULLET-SLUGS	AMMUNITION	-2P	3	S--4--	I---5--
.687-018	INSPECTOR FIREWORKS	FIREWORKS	-2P	2	L--4--	I----6-
.687-022	INSPECTOR SHELLS	AMMUNITION	-2P	2	L--4-6	I------
.687-026	MERCURY-CRACKING TESTER	AMMUNITION	-2P	2	L--4-6	I----6-
.687-034	PRIMER INSPECTOR	AMMUNITION	-2P	2	S--4-6	I----6-
.687-038	SALVAGER I	AMMUNITION	-3P	4	L-----	I------
.685-010	SHAKER-PLATE OPERATOR	AMMUNITION	-3P	2	L--45-	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-046	EXPLOSIVE OPERATOR	AMMUNITION	-3P	2	L--4--	I----6-
.887-094	SALVAGER II	AMMUNITION	-3P	3	M--4-6	I----6-
.884-010	CARDOX-PLANT OPERATOR	MINING / QUA	-3P	3	M--4--	I----6-
.387-010	DROP TESTER	AMMUNITION	-3-	3	L--4--	I----6-
.387-022	PRESSURE-TEST OPERATOR	AMMUNITION	-3P	4	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-014	BANDOLEER STRAIGHTENER-STAMPER	AMMUNITION	-2-	2	S-34--	I------
.687-010	INSPECTOR	AMMUNITION	-3P	4	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-054	GAGE-AND-WEIGH-MACHINE OPERATO	AMMUNITION	-2P	2	S--4--	I------

737. FABRICATION OF AMMUNITION, FIREWORKS, EXPLOSIVES, AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

			HRP	SVP	PHYS.D	WK COND
					123456	1234567
.887-050	FIREWORKS ASSEMBLER	FIREWORKS	-2P	2	L--4--	I------
.687-030	MIXER	FIREWORKS	-3P	2	H--4--	I-----7
.387-018	INSPECTOR I	AMMUNITION	-3-	5	M--4-6	I------
.384-010	PROCESS CHECKER	AMMUNITION	-3-	5	L--4-6	I------

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	ASSEMBLER	MIRROR	-3P	3	M--4--	I------
.887-014	ASSEMBLER CORNCOB PIPES	SMOKING PIPE	-2P	2	S--4--	I------
.887-018	ASSEMBLER DRESSMAKER FORM	MODEL / PATT	-1-	2	L--4--	I------
.887-022	ASSEMBLER FILTERS	GLASS PROD	-2P	3	L--4--	I------
.887-026	ASSEMBLER FINGER BUFFS	TEX PROD N E	-2P	2	L--4--	I------
.887-030	ASSEMBLER OIL FILTERS	AUTO MFG	-3P	2	L--4--	I------
.887-034	ASSEMBLER SMALL PRODUCTS	ANY IND	H2P	2	L--4-6	I------
.887-046	BLACKBOARD-ERASER MAKER HAND	FELT GOODS	-2P	1	L--4--	I------
.887-050	BRUSH FILLER HAND	BRUSH	-2P	3	S--4-6	I------
.887-066	CANDLEWICK STRINGER	CANDLE	-2P	2	L--4--	I------
.887-070	CLEANER	SMOKING PIPE	-1-	2	L--4--	I------
.887-074	CLEANER SIGNS	SIGNS	-1-	2	M234--	I----6-
.887-078	CLIPPER	BROOM	-2P	2	M--4--	I------
.887-086	DUST-BRUSH ASSEMBLER	ELEC EQUIP	-2P	2	M--4--	I--4--
.887-090	DUST-MOP MAKER	HOUSE FURN	-1-	2	L--4--	I------
.887-094	EYE-DROPPER ASSEMBLER	GLASS PROD	-1-	2	S--4--	I------
.887-106	FITTER	FURN MIRROR	-2P	2	L--4-6	I------
.887-110	FOLDER-CEMENTER	NEEDLE PIN	-2P	2	L--4-6	I------
.887-114	GASKET FITTER	MACH MFG	-2P	2	L--4--	I------
.887-118	GLUER	ANY IND	-2-	1	L--4--	I-----7
.887-122	HACKLER	BROOM	-2P	1	L--4-6	I-----7
.887-126	HANDLE-GRIP ASSEMBLER	ELEC EQUIP	-2P	1	M--4--	I------
.887-130	HOSE ASSEMBLER	ELEC EQUIP	-2P	2	L--4--	I------
.887-138	MOP MAKER	HOUSE FURN	-2P	2	L-3---	I------
.887-142	MOP-HANDLE ASSEMBLER	HOUSE FURN	-2P	2	L--4--	I------
.887-146	NAILER	TINWARE	-2P	2	L--4--	I------
.887-150	ORNAMENT MAKER HAND	FABRIC PROD	-2P	3	L--4--	I------
.887-154	PAINT-ROLLER WINDER	BRUSH	-2P	3	M--4--	I---5--
.887-166	POURER	CANDLE	-2P	2	L--4--	I------
.887-170	PULL-OUT OPERATOR	LINOLEUM	-1P	3	L--4--	I------
.887-174	SHANK THREADER	SMOKING PIPE	-1P	2	S--4--	I------
.887-178	STACKING MACHINE OPERATOR	ANY IND	-2-	2	M--4--	I------
.887-182	STAINER	SMOKING PIPE	-1-	2	L--4--	I------
.887-206	UMBRELLA TIPPER MACHINE	UMBRELLA	-2P	2	S--4--	I------
.887-210	VACUUM-BOTTLE ASSEMBLER	GLASS PROD	-2P	1	L--4--	I------
.887-218	WICK-AND-BASE ASSEMBLER	CANDLE	-2P	2	M--4-6	I------
.884-022	BRAKEMAKER DONKEY ENGINE	MACH MFG	-2P	4	M--4--	I------

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS, N.E.C. (CONT.)

.884-046	CLIP-AND-HANGER ATTACHER	MIRROR	-2P	3	L--4--	I------
.884-054	CROQUIGNOLE-CURL-MACHINE OPERA	HAIRWORK	-2P	2	S--4--	I------
.884-058	CURTAIN-ROLLER ASSEMBLER	WINDOW SHADE	-2P	3	L--4--	I------
.884-066	DE-ICER FINISHER	RUBBER GOODS	-3P	4	L--4-6	I------
.884-094	FORM COVERER	MODEL / PATT	-2P	3	L--4--	I------
.884-114	HANDBAG FRAMER	LEATHER PROD	-2P	2	L--4-6	I------
.884-122	LAST IRONER	LASTS / REL	-2P	3	M--4-6	I------
.884-126	LAST MARKER	LASTS / REL	-1P	2	L--4-6	I------
.884-130	LAST REMODELER	LASTS / REL	-3P	4	M--4-6	I------
.884-134	LAST REPAIRER	BOOT / SHOE	-2P	3	L--4--	I------
.884-138	LAST-REPAIRER HELPER	BOOT / SHOE	-2P	2	L--4--	I------
.884-142	MANNEQUIN MOUNTER	MODEL / PATT	-2P	5	L--4--	I------
.884-146	MANNEQUIN SANDER AND FINISHER	MODEL / PATT	-2P	3	L--4-6	I------
.884-150	MAT CUTTER	MIRROR / PIC	-2P	2	L--4-6	I------
.884-154	MIRROR FRAMER	MIRROR MIRRO	-3P	3	M--4--	I------
.884-158	MOP MAKER	HOUSE FURN	-2P	2	L--4--	I------
.884-162	MOUNTER SMOKING PIPE	SMOKING PIPE	-2P	2	L--4--	I------
.884-186	PRESSER	ARTIF FLOWER	-2P	2	L--4--	I------
.884-198	TICKET-CHOPPER ASSEMBLER	FURN	-3P	5	M--4-6	I------
.884-202	UMBRELLA MAKER	UMBRELLA	-2P	3	L--4-6	I------
.884-206	UMBRELLA TIPPER HAND	UMBRELLA	-1P	2	S--4--	I------
.884-210	VENETIAN-BLIND ASSEMBLER	WINDOW SHADE	-2P	3	M--4--	I------
.884-226	WOODEN-SHADE HARDWARE INSTALLE	WINDOW SHADE	-2P	3	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-158	PART MAKER	JEWELRY CASE	-2P	2	S--4--	I------
.884-086	FINISHER MAP-AND-CHART	PRINT / PUB	-3P	5	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-050	COMPOSITION MOLDER	MODEL / PATT	-3P	3	L--4--	I------
.884-090	FOOT-MITER OPERATOR	MIRROR / PIC	-2P	2	L--4-6	I----6-
.781-014	FABRICATOR SHOWER DOORS AND PA	STRUCT / ORN	-3P	5	M--4--	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-038	ASSEMBLER-ARRANGER	FABRIC PROD	-2P	2	L--4--	I------
.887-042	ASSEMBLER	MIRROR MIRRO	-2P	2	L--4-6	I------
.887-054	CANDLE CUTTER	CANDLE	-2P	2	M--4--	I------
.887-058	CANDLE DECORATOR	CANDLE	-2P	3	L--4-6	I-3----
.887-062	CANDLE MOLDER HAND	CANDLE	-2P	3	L--4--	I------
.887-082	DIGGER	SMOKING PIPE	-2P	3	S--4-6	I------
.887-098	FILLER	SMOKING PIPE	-2P	2	L--4--	I------
.887-134	KNOT TIER	FABRIC PROD	-2P	1	S--4-6	I---5--
.887-162	PIPE-SMOKER-MACHINE OPERATOR	SMOKING PIPE	-2P	2	L--4-6	I------
.887-214	VENETIAN-BLIND CLEANER AND REP	ANY IND	-2P	3	M--4--	I--4---
.884-014	ARTIFICIAL-FLOWER MAKER	ARTIF FLOWER	-3P	3	L--4--	I------
.884-026	BROOMMAKER	BROOM	-3P	4	L--4--	I------

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.884-030	BUFFER	SMOKING PIPE	-2P	3		L--4-6	I------
.884-074	DECORATOR	LEATHER PROD	-2P	3		L--4--	I------
.884-082	FINISHER BRUSH	BRUSH	-2P	5		L--4--	I---5-7
.884-098	FOUNDATION MAKER	HAIRWORK	-3P	5		S--4-6	I------
.884-110	HAIR WORKER	HAIRWORK	-2P	5		L--4-6	I------
.884-118	LAMP-SHADE ASSEMBLER	FABRIC PROD	-3P	2		S--4-6	I---5--
.884-166	NEEDLE-BOARD REPAIRER	FELT GOODS	-2P	2		L--4-6	I------
.884-174	PETAL SHAPER, HAND	ARTIF FLOWER	-2P	4		S--4--	I------
.884-178	PICTURE FRAMER	MIRROR / PIC	-3P	4		M--4--	I------
.884-182	PICTURE-FRAME MAKER	MIRROR / PIC	-2P	4		L--4-6	I------
.884-190	SCREEN MAKER	WALLPAPER	-2P	3		L--4--	I------
.884-214	VENTILATOR	HAIRWORK	-2P	5		S--4-6	I------
.884-218	VULCANIZER BRUSH	BRUSH	-2P	5		H--4--	I------
.884-222	WEAVER	HAIRWORK	-3P	4		S--4-6	I------
.687-010	BLOCK INSPECTOR	MATCH	-2P	3		L--4--	I------
.687-018	CORK INSPECTOR	CORK PROD	-2P	2		S--4-6	I---5--
.687-026	GASKET INSPECTOR	PIPE / BOILE	-2-	3		M--4--	I------
.687-042	PATCH DRILLER	SMOKING PIPE	-3P	3		L--4-6	I---5--
.687-046	PATCHER	SMOKING PIPE	-2-	3		S--4--	I------
.687-050	SALVAGER	MATCH	-2-	2		L--4--	I------
.687-058	SPOT PICKER MOLDED GOODS	LINOLEUM	H2P	3		L-34-6	I------
.687-062	TABLE WORKER	LINOLEUM	-2P	2		S--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-018	FIRE-EQUIPMENT-INSPECTOR HELPE	ANY IND	-2-	3		M234--	B----67
.884-062	DE-ICER ASSEMBLER ELECTRIC	RUBBER GOODS	-3P	5		M-34-6	I------
.484-010	CHRONOGRAPH OPERATOR	AMMUNITION F	-3P	3		L--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010	ARTIFICIAL-CANDY MAKER	FABRIC PROD	-3P	5		L--4--	I------
.884-034	BUFFING-AND-POLISHING-WHEEL RE	ANY IND	-3P	3		M--4--	I------
.884-102	FURNITURE ASSEMBLER AND INSTAL	RET TR	-2P	4		H--4--	I------
.884-170	OIL SEAL ASSEMBLER	LEATHER PROD	-2P	3		S--4-6	I------
.781-018	FIGURE REFINISHER AND REPAIRER	RET TR	-3P	5		L--4-6	I------
.687-014	BROOMCORN GRADER	BROOM	-3-	3		M--4-6	I------
.687-030	INSPECTOR	MATCH	-2-	2		M--4--	I------
.387-014	HAIR-SAMPLE MATCHER	HAIRWORK	-3-	5		S--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-038	CANDLEMAKER	CANDLE	-3P	4		M--4-6	I------
.884-042	CASE FINISHER	JEWELRY CASE	-3P	2		S--4--	I------
.687-034	INSPECTOR OIL FILTERS	AIRCRAFT MFG	-3-	2		L--4--	I--4---

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-028	BRUSH MATERIAL PREPARER	BRUSH	-3P	5	M--4-6 I------
.884-070	DE-ICER-ELEMENT WINDER HAND	RUBBER GOODS	-3P	4	L--4-- I------
.884-194	SMOKING-PIPE REPAIRER	ANY IND	-3P	5	L--4-6 I------
.687-022	EXAMINER	UMBRELLA	-3-	2	L--4-- I------
.687-038	INSPECTOR OILCLOTH	ARTIF LEATHE	-3P	4	L--4-6 I------
.687-054	SELECTOR	SMOKING PIPE	-3-	3	L--4-6 I------
.587-010	INSPECTION CLERK	LINOLEUM	-3P	4	H--4-6 I----6-
.484-014	FIRE-EQUIPMENT INSPECTOR	ANY IND	-3P	4	M234-- B----67
.387-010	CASKET INSPECTOR	MORT GOODS	-3-	5	L--4-6 I------

PAINTING, DECORATING, AND RELATED WORK (740.-749.)

Occupations in this area are concerned with applying protective or decorative material such as paint, enamel, varnish, shellac, stain, or oil to articles in a production environment. The painting of residential and commercial buildings is included within groups 840.-849. for the structural occupations.

About half of the occupations in this area make minimum cognitive demands and another 30 percent demand only perceptual processing. Perceptual processing demands derive from activities such as detecting minor variations in texture or color of coated surfaces, verifying that finished products meet standards of quality, mixing stains and finishes to match a sample, and masking surfaces of products to create special designs and effects. Language demands derive mostly from verbal communications, but custom painting may involve the reading of specifications. Completing production records may be required. Mathematics demands generally derive from measuring ingredients according to a formula or computing proportions to achieve a desired volume.

Manual dexterity in the use of brushes, sprays, sanders, and buffers is commonly required, although there is a trend toward more mechanized and less manual work especially in larger facilities.

Opportunities tend to be widespread but not in large concentrated numbers. Career progression opportunities are severely limited unless one goes into custom or elegant decorative work.

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740. BRUSH PAINTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUTTON SPINDLER	BUTTON	-1P	2	S--4-- I-----7
.887-018 FUNNEL COATER, HAND	ELECTRONICS	-2P	2	M--4-- I------
.887-022 PAINTER PANEL EDGE	FURN	-1-	2	L--4-- I---5--
.887-026 SHELLACKER	AMMUNITION	-2P	3	L----- I------
.887-030 STAMP FILLER	ANY IND	-2P	2	L--4-6 I------
.887-034 TIRE FINISHER	RUBBER TIRE	-1-	1	M--4-6 I------
.884-030 PAINTER, MANNEQUIN	MODEL / PATT	-2P	2	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-022 LAST-CODE STRIPER	LASTS / REL.	-2P	3	L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 DIXONAC OPERATOR	ELECTRONICS	-2P	2	M--4-- I------
.884-026 PAINTER, BRUSH	ANY IND	-2P	2	M--4-6 I-----7

740. BRUSH PAINTING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 DECORATOR	BUTTON JEWEL	-2P	5	S--4--	I------
.884-042 TOUCH-UP PAINTER HAND	ANY IND.	-2P	2	L--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 CHARGER	JEWELRY	-2P	5	S--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-034 RETOUCHER	BAL / SCALES	-3P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 ENAMELER	JEWELRY	-3P	5	S--4-6	I------

741. SPRAY PAINTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ADHESIVE SPRAYER	RUBBER GOODS	-2P	2	L-34--	I-----7
.887-018 FORMING-PLATE SPRAYER	RUBBER GOODS	-1-	2	H--4--	I-----7
.887-022 PAINTER BLACKWALL TIRE	RUBBER TIRE	-1-	3	M--4--	I------
.887-034 RUBBER	PAPER GOODS	-1-	1	L--4--	I------
.887-038 SPRAYER	BOOT / SHOE	-2P	2	L--4--	I------
.887-042 STRIPER MACHINE	ANY IND	-2P	2	L--4-6	I------
.887-046 WATERPROOFER	BOOT / SHOE	-2P	2	L--4--	I------
.884-022 PAINTER MIRROR	MIRROR	-2P	3	M--4-6	I-----7
.884-030 PAINTER WHITEWALL TIRE	RUBBER TIRE	-2P	3	M--4-6	I-----7
.884-034 PORCELAIN-ENAMEL REPAIRER	ANY IND	-2-	2	H--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 DAGGER OUTSIDE	ELECTRONICS	-2P	2	S--4--	I----67
.887-026 PAINTER HELPER SPRAY	ANY IND	-3P	2	M-34--	I-----7
.887-030 PAINTER SPRAY	ANY IND	-2P	2	M-----	I-----7
.884-010 ARTIST MANNEQUIN COLORING	MODEL / PATT	-2P	4	L--4-6	I------
.884-018 PAINTER ELECTROSTATIC	ANY IND	-3P	2	L--4-6	I-----7
.884-026 PAINTER SPRAY	ANY IND	-3P	5	M--4-6	I-----7
.884-038 SPRAY-PAINTING-MACHINE OPERATO	ANY IND	-2P	2	L--4-6	I-----7
.884-042 STENCILER	CARPET / RUG	-2P	4	L--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.587-010 PAINT-SPRAY INSPECTOR	ANY IND	-2-	2	L--4-6	I------

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741. SPRAY PAINTING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 PAINT-SPRAY TENDER — MIRROR -3P 4 M--4-- I------

742. STAINING, WAXING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BURNISHER — MIRROR / PIC -1- 3 L--4-6 I------
.887-014 SNATH FINISHER — SHAPED WOOD -1- 1 L--4-- I------
.887-018 WIPER — FURN -1- 2 L-34-- I------
.884-010 RUBBER — FURN MIRROR -2P 3 M-34-6 I------

749. PAINTING, DECORATING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BALLOON DIPPER — RUBBER GOODS -2P 2 M--4-- I------
.887-018 DIPPER AND DRIER — FURN, SHAPED -2P 2 H234-- I-----7
.887-022 KEG VARNISHER — COOPERAGE -1- 2 M-34-- I-----7
.887-026 MASKER — ANY IND -2P 3 L--4-- I------
.887-030 PLASTERER — FURN -1- 2 L--4-- I------
.887-038 REFRIGERATOR CLEANER — REFRIGERAT E -1- 1 M--4-- I-----7
.887-042 SPRAY-BOOTH CLEANER — ANY IND -1- 1 M-34-- I------
.887-046 STRIPPER — FURN -2P 2 M--4-- I-----7
.884-022 FINISHER — WOOD BOX -1P 4 M--4-6 I-----7
.884-034 INLAY PAINTER — BUTTON -2P 2 S--4-6 I------
.884-062 STOVE REFINISHER — ANY IND -2P 3 H-34-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-034 RACKER — SPORTS EQUIP -2P 1 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CRESTER — SPORTS EQUIP -2P 2 L--4-- I------
.884-014 DECAL APPLIER — ANY IND -2P 2 L-34-6 I--4---
.884-018 DECORATOR — FURN -2P 3 L--4-6 I-----7
.884-026 FRAME TRIMMER — MIRROR / PIC -2P 2 L--4-6 I------
.884-030 GILDER — ANY IND -2P 2 L--4-6 I-----7
.884-038 LACQUERER — JEWELRY -2P 4 L--4-- I-----7
.884-042 METAL-LEAF GILDER — MIRROR / PIC -2P 2 L--4-6 I------
.884-046 PAINTER, TOUCH-UP — ANY IND -2P 4 M--4-6 I-----7
.884-050 PUTTY GLAZER — ANY IND -2P 3 M--4-6 I------
.884-058 STAINER — FURN MIRROR -2P 3 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 CANDLE DECORATOR — CANDLE -2P 5 S--4-6 I------
.884-054 SANDER — REFRIGERAT E -2P 3 M--4-6 I---5-7

ASSEMBLY AND REPAIR OF PLASTIC/RUBBER GOODS (750.-759.)

Occupations in this area are concerned with fabrication or repair of products such as solid and pneumatic tires, inner tubes, tire treads, recapped and retreaded tires, footwear, hose, V-belts, floormats, balloons, and gaskets.

Although occupations in this area demand all eight combinations of cognitive capabilities, almost half make minimum demands and an additional 30 percent demand only perceptual processing. Perceptual processing demands derive largely from forming three dimensional shapes and inspection of products for defects. Language demands derive primarily from verbal communications of work instructions, defects and malfunctions, and the coordination of tasks with other workers. Reading of specifications is infrequently required. Mathematical demands derive largely from weighing or measuring ingredients, although there are infrequent requirements for the computation of test results or the application of geometric measures.

Dexterous use of hands is frequently required for the forming of materials into shapes, feeding materials and partially finished products into machines, and the regulation of machines. There is a trend toward increased automatic and reduced manual operation.

Most opportunities are in fabrication. There are few repair or reconditioning jobs. Career progression opportunities are limited.

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750. FABRICATION AND REPAIR OF TIRES, TUBES, TIRE TREADS, AND RELATED PRO

Language	Mathematics	Perceptual Processing				
MINIMUM	MINIMUM	MINIMUM				
.887-010 AIR-BAG EXTRACTOR	RUBBER TIRE	-2P	2	H-34--	I------	
.887-018 CURING-BELT FEEDER	RUBBER TIRE	-1-	2	L--4--	I------	
.887-026 INNER-TUBE INSERTER	RUBBER TIRE	-2P	2	H--4--	I------	
.887-030 SOLID-TIRE FINISHER	RUBBER TIRE	-2P	2	H-34--	I------	
.887-034 TIRE DUSTER	RUBBER TIRE	-1-	1	H-34--	I------	
.887-038 TIRE LUBRICATOR	RUBBER TIRE	-2P	2	V--4--	I-----7	
.887-042 TIRE MOUNTER	FABRIC PROD	-2P	2	L--4--	I----6-	
.887-050 TIRE WASHER	RUBBER TIRE	-1-	1	M--4--	I---4--	
.887-054 TREAD WEIGHER AND BOOKER	RUBBER TIRE	-1-	2	M--4--	I------	
.887-062 VALVE CEMENTER	RUBBER TIRE	-1P	2	L--4--	I------	
.887-066 VALVE FITTER	RUBBER TIRE	-1P	2	L--4--	I------	
.887-070 VALVE-CORE INSERTER	RUBBER TIRE	-2P	2	S--4--	I----7-	
.887-074 VALVE-STEM-HOLE PUNCHER	RUBBER TIRE	-1-	2	L--4--	I------	
.884-010 BAND BUILDER	RUBBER TIRE	-3P	4	M--4-6	I------	
.884-014 BEAD BUILDER	RUBBER TIRE	-3P	2	L--4-6	I------	
.884-018 MAT REPAIRER	RUBBER GOODS	-2P	2	L--4--	I------	
.884-022 SKIVER	RUBBER TIRE	-2P	3	L--4--	I------	
.884-026 SOLID-TIRE BUILDER	RUBBER TIRE	-3P	3	H-34-6	I-----7	
.884-030 TIRE BUILDER	AUTO SER	-3P	4	M--4-6	I-----7	

750. FABRICATION AND REPAIR OF TIRES, TUBES, TIRE TREADS, AND RELATED PRO (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D.WK	COND
			HRP SVP	123456	1234567
.884-042	TIRE GROOVER	AUTO SER	-2P 3	M--4--	I----6-
.884-046	TIRE TRIMMER HAND	RUBBER TIRE	-2P 2	M--4--	I------
.884-050	TIRE VULCANIZER	AUTO SER	-3P 4	M--4-6	I-----7
.884-054	TREAD CUTTER TRUCK TIRES	RUBBER TIRE	-2P 2	H-34-6	I----6-
.884-058	TREAD-CUTTING-MACHINE OPERATOR	RUBBER TIRE	-2P 2	M--4--	I------
.884-062	TUBE BALANCER	RUBBER TIRE	-2P 3	M-34--	I------
.884-066	TUBE BUILDER AIRPLANE	RUBBER TIRE	-3P 4	L--4-6	I------
.884-070	TUBE REPAIRER	RUBBER TIRE	-3P 3	M--4-6	I------
.884-074	TUBE SPLICER	RUBBER TIRE	-2P 2	L--4--	I------
.687-018	TIRE BALANCER	RUBBER TIRE	-2P 2	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-046	TIRE PROCESSOR	RUBBER TIRE	-2P 2	M--4--	I------
.884-034	TIRE BUILDER AUTOMOBILE	RUBBER TIRE	-3P 5	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	BAND WRAPPER	RUBBER TIRE	-2P 2	L--4--	I------
.887-022	INNER-TUBE DEFLATOR	RUBBER TIRE	-2P 2	M--4--	I------
.887-058	VALVE BUFFER	RUBBER TIRE	-2- 2	L--4--	I------
.781-014	TIRE REPAIRER	RUBBER TIRE	-3P 5	M--4-6	I------
.687-010	AIR-BAG TESTER	RUBBER TIRE	-2- 2	M--4--	I--4---
.687-014	RACKER	RUBBER TIRE	-1- 3	V-34--	I-----7
.687-022	TIRE INSPECTOR	AUTO SER	-2- 4	M-3---	I------
.687-026	TUBE INSPECTOR AND FINISHER	RUBBER TIRE	-3P 3	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-078	TUBE-PROCESSING-EQUIPMENT TEND	RUBBER TIRE	-3P 3	M--4-6	I------
.387-010	TIRE CLASSIFIER	RUBBER TIRE	-3- 5	M-34--	I------
.384-014	TIRE INSPECTOR	RUBBER TIRE	-3- 5	M-34-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.781-010	GREEN-TIRE REPAIRER	RUBBER TIRE	-3P 5	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010	GREEN-TIRE INSPECTOR	RUBBER TIRE	-3P 5	M-34--	I------

751. LAYING OUT AND CUTTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	HOSE CUTTER MACHINE	RUBBER GOODS	-2P 2	H--4--	I------
.887-018	PATTERN HAND	FABRIC PLAST	-2P 3	L--4--	I------
.887-022	RUBBER-SPLICE PREPARER	RUBBER GOODS	-2P 2	L--4--	I------
.887-030	TUBER-MACHINE-CUTTER HELPER	RUBBER GOODS	-1- 1	M--4--	I------
.884-018	CUTTER HOT KNIFE	RUBBER GOODS	-2P 3	L--4-6	I------

751. LAYING OUT AND CUTTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-026 STOCK PREPARER — FABRIC PLAST -2- 3 L--4-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 CUTTER HAND — RUBBER GOODS -3P 2 L--4-6 I------
.884-022 FOXING-CUTTER HOT KNIFE — RUBBER GOODS -2P 2 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 COLD-ROLL INSPECTOR — PLASTICS MAT -3P 4 L--4-6 I------
.884-026 PREFORMER — SHIP / BOAT -3P 3 M--4-6 I------
.884-030 TUBER-MACHINE CUTTER — RUBBER GOODS -2P 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-010 HOSE CUTTER HAND — RUBBER GOODS -2P 3 H-34-- I------

752. FITTING, SHAPING, CEMENTING, FINISHING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BRAND CEMENTER — RUBBER GOODS -2P 2 L--4-- I------
.887-014 CEMENT APPLIER — RUBBER GOODS -1- 2 H-34-- I-----7
.887-026 KEY RINGER — TYPEWRITERS -1P 2 L--4-- I------
.887-034 TREAD-LIP FORMER — RUBBER GOODS -1- 2 L--4-- I------
.884-018 BELT SPLICER — RUBBER GOODS -2P 3 V--4-- I------
.884-026 BUFFER — FABRIC BLAST -1P 2 M--4-- I------
.884-030 CATHETER BUILDER — RUBBER GOODS -3P 4 L--4-- I------
.884-038 RUBBER-GOODS ASSEMBLER — RUBBER GOODS -2P 2 L--4-- I------
.884-042 SECTIONAL-BELT-MOLD ASSEMBLER — RUBBER GOODS -2P 3 H--4-- I------
.884-046 SKIN FORMER — RUBBER GOODS -3P 3 L-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.781-014 SELF-SEALING FUEL-TANK BUILDER — RUBBER GOODS -3P 5 H-34-- I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 INSTALLER FUEL-BAY LINING — AIRCRAFT MFG -2R 3 M-34-- I----6-
.887-022 KEY INLAYER — TYPEWRITERS -1P 2 L--4-- I------
.887-030 MAT FINISHER — RUBBER GOODS -2P 2 M-34-- I------
.884-010 ASSEMBLER SPONGE GASKET — RUBBER GOODS -2P 2 L--4-- I------
.884-014 BALLOON MAKER — RUBBER GOODS -2P 3 L--4-- I------
.884-022 BIT BENDER — SMOKING PIPE -3P 5 L--4-6 I------
.884-034 PADDED-PRODUCTS FINISHER — RUBBER GOODS -3P 3 M--4-6 I------
.687-010 FLOOR-MAT JUTER — RUBBER GOODS -2P 2 M--4-6 I------

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753. FARICATION AND REPAIR OF RUBBER AND PLASTIC FOOTWEAR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CUT-AND-COVER LINE WORKER — RUBBER GOODS -2P 3 L--4-6 I------
.887-018 DEBRANDER — RUBBER GOODS -1- 2 L--4-6 I----6-
.887-022 FITTER-PLACER — RUBBER GOODS -2P 2 L--4-6 I------
.887-026 FLOUR-STOCK HELPER — RUBBER GOODS -1- 1 L----- I------
.887-030 LAST-STRIPPER HAND — RUBBER GOODS -1P 2 L--4-- I------
.887-034 STOCKLAYER HELPER — RUBBER GOODS -2P 2 H234-- I---56-
.887-038 MAKING-LINE WORKER — RUBBER GOODS H3P 3 M--4-6 I------
.887-042 MOLD FILLER AND DRAINER — RUBBER GOODS H2P 2 L--4-- I-3--6-
.887-054 SWAB MAKER — RUBBER GOODS -1- 2 S--4-- I------
.887-058 WEAR TESTER — RUBBER GOODS -1- 1 L----- O------
.884-010 BED LASTER — RUBBER GOODS -3P 2 M--4-- I---5--
.884-014 BUFFING-AND-SUEDING-MACHINE OP — RUBBER GOODS -1P 2 L--4-- I------
.884-018 CEMENTER HAND — RUBBER GOODS -1- 2 L--4-6 I------
.884-026 HAND LASTER — RUBBER GOODS -1P 3 M--4-- I---5--
.884-030 HOOKER LASTER — RUBBER GOODS H2P 2 L--4-- I----6-
.884-034 LASTER — RUBBER GOODS -2P 3 L--4-- I------
.884-046 PULLER-LASTER — RUBBER GOODS H2P 2 M--4-- I-3--6-
.884-058 ROLLER-STITCHER — RUBBER GOODS -2P 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CLIPPER — RUBBER GOODS -2- 2 L----- I------
.887-046 MOLD-INSERT CHANGER — RUBBER GOODS -2P 3 M--4-- I-3-5--
.884-022 DIPPER NEOPRENE BOOT — RUBBER GOODS -3P 2 L--4-- I------
.884-042 MACHINE-MADE-SHOE UNIT WORKER — RUBBER GOODS H3P 2 L--4-6 I-3--6-
.884-050 REPAIRER — RUBBER GOODS -3P 4 M--4-6 I------
.884-062 WADER-BOOT-TOP ASSEMBLER — RUBBER GOODS -3P 2 L--4-- I------
.687-010 CALENDER INSPECTOR — RUBBER GOODS -2P 2 L--4-6 I---5--
.687-018 INSPECTOR SAMPLE PARTS — RUBBER GOODS -3- 2 L--4-6 I------
.381-010 BOOTMAKER HAND — RUBBER GOODS -3P 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-038 STOCKLAYER — RUBBER GOODS -3P 2 H234-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-050 PACKING-LINE WORKER — RUBBER GOODS H2- 2 L--4-- I------
.687-014 INSPECTOR — RUBBER GOODS -3- 2 L--4-- I------
.587-010 SORTER — RUBBER GOODS -2- 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.487-010 CLASSIFIER — RUBBER GOODS -3- 3 S--4-6 I------

754. FABRICATION AND REPAIR OF MISCELLANEOUS PLASTICS PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	FORM REPAIRER	RUBBER GOODS	-2P	2	L--4--	I------
.887-014	FORM-STRIP ASSEMBLER	RUBBER GOODS	-2P	2	H--4--	I------
.887-018	GLUER WET SUIT	FABRIC PLAST	-2P	2	L--4-6	I------
.887-026	SEQUINS STRINGER	FABRIC PLAST	-2P	2	L--4--	I------
.884-014	ASSEMBLER-AND-GLUER LAMINATED	FABRIC PLAST	-3P	3	M--4--	I------
.884-018	BIT SHAVER	SMOKING PIPE	-1P	2	S--4-6	I------
.884-034	KNOCK-OUT HAND	FABRIC PLAST	-2P	5	M--4--	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022	CASTER	FABRIC PLAST	-3P	4	M--4--	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022	LABORER GENERAL	FABRIC PLAST	-3P	2	M--4--	I------
.884-010	ASSEMBLER	FABRIC PLAST	-3P	4	M--4-6	I------7
.884-026	DRILLER HAND	BUTTON	-2P	2	L--4-6	I------
.884-030	FINISHER HAND	FABRIC PLAST	-2P	3	L--4-6	I-----7
.884-046	PLASTIC DUPLICATOR	MACH TOOL	-3P	5	M--4--	I-----7
.884-054	PLASTICS REPAIRER	FABRIC PLAST	-2P	3	L--4--	I---5--
.884-058	THERMOELECTRIC-HEAT-SEALING-MA	TRIM / STAMP	-2P	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-038	LAMINATOR PREFORMS	FABRIC PLAST	-3P	4	M--4--	I------7
.884-042	MOLD LAMINATOR	SHIP / BOAT	-3P	4	M-34--	I-----7
.884-050	PLASTICS FABRICATOR	AIRCRAFT MFG	-3P	3	M--4--	I-----7

759. FABRICATION AND REPAIR OF PLASTICS, RUBBER, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AIR-BAG DE-WATERER	RUBBER TIRE	-1-	1	L--4--	I--4---
.887-018	ASSEMBLY PREPARER	RUBBER GOODS	-2P	3	L--4--	I------
.887-026	HOSE-COUPLING JOINER	RUBBER GOODS	-2P	2	M-34--	I------
.887-034	MATTRESS PLUGGER	RUBBER GOODS	-1-	2	L--4--	I------
.887-046	TUBE MAKER	PAPER GOODS	-1-	2	L--4--	I------
.884-018	AIR-BAG RECOVERER	RUBBER TIRE	-2P	2	M--4--	I------
.884-022	AIRPLANE-GAS-TANK-LINER ASSEMB	RUBBER GOODS	-2P	2	L--4--	I------
.884-026	BRAIDER SETTER	RUBBER GOODS	-3P	2	M-34--	I---5-7
.884-034	BELT-BUILDER HELPER	RUBBER GOODS	-3P	3	H--4--	I------
.884-038	BUFFER	RUBBER GOODS	-1P	2	L--4--	I-----7
.884-042	DE-ICER REPAIRER	RUBBER GOODS	-3P	4	L--4--	I------
.884-058	PATCHER BOWLING BALL	SPORTS EQUIP	-2P	2	M--4--	I------
.884-070	RUBBER LINER	MACH MFG	-2P	4	M-34--	I------7
.884-074	RUBBER-GOODS REPAIRER	ANY IND	-2P	4	L--4-6	I------

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759. FABRICATION AND REPAIR OF PLASTICS, RUBBER, AND RELATED PRODUCTS (CONT.

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.884-010 AIR-BAG BUILDER — RUBBER TIRE -3P 3 M--4-- I------
.884-014 AIR-BAG BUILDER — RUBBER TIRE -3P 3 H--4-6 I------
.884-062 ROLL BUILDER — RUBBER GOODS -3P 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.887-014 AIR-BAG REPAIRER — RUBBER TIRE -2P 2 M--4-- I------
.887-022 FINISHER — RUBBER GOODS -2P 2 L--4-- I------
.887-030 INFLATION TESTER — RUBBER GOODS -2P 2 L--4-- I------
.887-038 NET DUSTER — RUBBER GOODS -1- 2 L--4-- I------
.887-042 RUBBER-REPAIRER — PLASTICS MAT -2P 2 M--4-- I------
.884-030 BASE-PLY HAND — RUBBER GOODS -3P 3 H-34-- I-----7
.884-050 HOSE WRAPPER — RUBBER GOODS -2P 2 M--4-- I------
.884-054 MOLD CLEANER — RUBBER TIRE -2P 3 M-34-6 I----67
.884-082 SPLICER — RUBBER TIRE -2P 2 L--4-- I------
.884-086 TUBE-AND-MAINFOLD BUILDER — RUBBER GOODS -3P 3 M-34-- I-----7
.687-014 DE-ICER INSPECTOR PNEUMATIC — RUBBER GOODS -2P 4 L--4-- I------
.687-018 DE-ICER-KIT DUMPER — RUBBER GOODS -2- 2 M-34-- I-----
.687-030 HOSE INSPECTOR AND BUNDLER — RUBBER GOODS -2P 3 M--4-- I------
.687-034 HOSE TESTER — RUBBER GOODS -2P 3 H-34-- I--4---
.687-038 MATTING INSPECTOR — RUBBER GOODS -2P 2 M--4-6 I------
.687-046 RUBBER-GOODS TESTER WATER — RUBBER GOODS -2P 2 L--4-- I--4---
.687-050 WATER TESTER — RUBBER GOODS -2P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	MINIMUM

.884-090 V-BELT BUILDER — RUBBER GOODS -3P 4 M--4-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	**MODERATE**

.687-022 DEFECTIVE-HOSE INSPECTOR — RUBBER GOODS -2- 3 H-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	**MODERATE**

.687-042 RUBBER-GOODS INSPECTOR-TRIMMER — RUBBER GOODS -3P 3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	**MODERATE**	**MODERATE**

.884-046 DE-ICER-KIT ASSEMBLER — RUBBER GOODS -2P 3 M-34-- I------
.884-066 ROLLER MAKER — PRINT / PUB H3P 4 M--4-6 I------
.884-078 SELF-SEALING FUEL-TANK REPAIRE — RUBBER GOODS -3P 4 M-34-- I-----7
.687-010 CATHETER-FINISHER-AND INSPECTO — RUBBER GOODS -3P 3 L--4-- I------
.687-026 FINAL INSPECTOR — RUBBER GOODS -3- 3 L----- I------
.684-010 EXPANSION-JOINT BUILDER — RUBBER GOODS -3P 4 M--4-6 I------
.587-010 INSPECTOR AND TESTER — RUBBER GOODS -3P 3 L--4-- I------
.384-010 HOSE INSPECTOR AND PATCHER — RUBBER GOODS -3P 4 M--4-6 I-----7

FABRICATION AND REPAIR OF WOOD PRODUCTS (760.-769.)

Occupations in this area are concerned with the fabrication and repair of wooden articles such as furniture, sporting goods such as skis and gun stocks, window frames, boxes, pallets, and barrels.

More than half of the occupations in this area make minimum cognitive demands and more than another 35 percent demand only perceptual processing. Perceptual processing demands derive from activities such as shaping and fitting components, grading lumber, and inspecting finished products. Language requirements derive primarily from verbal communications and much less frequently from a need to read product specifications or prepare records. Mathematics demands are concentrated on the dimensional aspects of stock and wood products.

Requirements for the dexterous use of hand and power tools are common.

There is a strong trend toward replacement of wood products with substitute materials, especially plastic and metal. This tends to hold down job opportunities in this area.

PHYS.D WK COND
HRP SVP 123456 1234567

760. BENCH CARPENTRY AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BOX MAKER WOOD — WOOD BOX -3P 3 M--4-- I------

761. LAYING OUT, CUTTING, CARVING, SHAPING, AND SANDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PICTURE FRAME-MAKER HELPER — MIRROR / PIC -1- 3 L--4-6 I------
.887-014 POWER-CHISEL OPERATOR — CUT TOOLS -1P 2 L--4-- I------
.887-018 SANDER HAND — WOODWORKING -1- 2 L--4-- I---5-7
.884-010 BINDER AND BOX BUILDER — TEXTILE -3P 2 L--4-- I------
.884-074 WHITTLER AND EYE ASSEMBLER — SHAPED WOOD -2P 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 BOW SANDER FINISH — SPORTS EQUIP -2P 5 L--4-6 I-----7
.884-018 DOOR PATCHER — PLAN MILL -3P 3 M--4-6 I------
.884-026 LATHE SANDER HAND — WOODWORKING -2P 2 M--4-- I---567
.884-030 PATTERN MARKER II — WOODWORKING -2- 2 L--4-- I---5--
.884-034 PLYWOOD PATCHER HAND — VENEER / PLY -3P 3 M--4-6 I------
.884-038 POLISHER — WOODWORKING -2P 2 M--4-- I------
.884-046 SANDER — SMOKING PIPE -2P 3 L--456 I---5--
.884-050 SANDER MACHINE — WOODWORKING -2P 2 M234-6 I---567
.884-054 SANDER PORTABLE MACHINE — WOODWORKING -2P 2 L-34-- I---5-7
.884-058 SHAPER HAND — FURN -3P 4 L--4-6 I------

761. LAYING OUT, CUTTING, CARVING, SHAPING, AND SANDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.884-066	STOCK PATCHER	FIREARMS	-3P	3	L--4-6	I------
.884-070	STOCK SHAPER	FIREARMS	-3P	3	M--4--	I------
.884-078	WOOD BUFFER	MUSICAL INST	-2P	4	L--4--	I------
.781-014	SKI MAKER MACHINE	SPORTS EQUIP	-3P	5	M--4--	I------
.684-010	PANEL-LAY-UP WORKER	WOODWORKING	-2P	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022	GOLF-CLUB FACER	SPORTS EQUIP	-3P	4	L--4-6	I------

762. ASSEMBLY OF WOOD PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AUTOMATIC-NAILING-MACHINE FEED	PLAN MILL	-1-	2	L--4--	I------
.887-014	BAND NAILER	SAWMILL	-1-	2	L--4--	I----6-
.887-018	BAND NAILER	WOOD BOX	-1-	2	M--4--	I------
.887-022	BANDER	WOOD BOX	-2P	2	M-34--	I------
.887-026	BOTTOM-END ASSEMBLER MILK CRAT	WOOD BOX	-1-	1	L--4--	I------
.887-030	BOTTOM-HALF ASSEMBLER MILK CRA	WOOD BOX	-1-	1	L--4--	I------
.887-034	CLAMP REMOVER	VENEER / PLY	H2P	2	M-34--	I------
.887-038	CLAMP-JIG ASSEMBLER	WOODWORKING	-2P	2	M--4--	I------
.887-042	CLEAT FEEDER	WOOD BOX	-1-	2	L--4-6	I---5--
.887-046	COAT-HANGER ASSEMBLER	SHAPED WOOD	H1-	1	L--4--	I------
.887-050	CORE LAYER PLYWOOD	VENEER / PLY	H1-	2	L-34--	I--4---
.887-054	DOOR-CORE ASSEMBLER	WOODWORKING	-2P	2	M234--	I----67
.887-062	GLUE-AND-WEDGE OPERATOR	SHAPED WOOD	-3P	2	L--4--	I------
.887-066	GLUER	WOODWORKING	-1P	2	M--4--	I------
.887-070	HANDLE ASSEMBLER	SHAPED WOOD	-2P	2	M-34--	I------
.887-074	HARDWARE ASSEMBLER	WOOD BOX	-1-	1	L--4--	I------
.887-082	LIDDER	ANY IND	-1-	2	L--4--	I------
.887-086	MILK-CRATE ASSEMBLER	WOOD BOX	-1-	1	L--4--	I------
.887-090	PARTITION ASSEMBLER	WOOD BOX	-1-	1	L--4--	I------
.887-094	PIPE BUILDER WOOD	WOOD PRESERV	-1-	2	M--4--	I---5-7
.887-098	REEL ASSEMBLER	WOODWORKING	-2-	3	H--4--	I------
.887-102	ROD PLACER	WOOD BOX	-1-	1	L--4--	I------
.887-106	SCREEN TACKER	PLAN MILL	-2P	2	L--4--	I------
.887-110	SETTING-UP CLOSER	WOOD BOX	-1-	1	L--4--	I------
.887-114	SETTING-UP FOLDER	WOOD BOX	-1-	1	L--4--	I------
.887-118	SHEET TURNER	VENEER / PLY	H2P	2	M-34-6	I------
.887-122	STRAP NAILER	WOOD BOX	-1-	1	L--4--	I------
.887-126	THUMBER	WOOD BOX	-1-	1	L--4--	I------
.887-130	WIRE BENDER	WOOD BOX	-1-	1	L--4--	I------
.887-134	WOODENWARE ASSEMBLER	SHAPED WOOD	-2P	2	M-34--	I------
.884-010	ASSEMBLER	WOOD BOX	-2P	3	M--4--	I---5--
.884-018	BABY-CARRIAGE ASSEMBLER	FURN	-2P	3	L--4--	I------
.884-022	BAND EDGER	FURN	-3P	4	L-34--	I------
.884-026	BOX MAKER	MORT GOODS	-2P	3	M-34--	I------
.884-030	CABINET ASSEMBLER	FURN	-2P	3	L--4-6	I------
.884-034	CURTAIN-STRETCHER ASSEMBLER	SHAPED WOOD	-2P	3	L--4--	I------

762. ASSEMBLY OF WOOD PRODUCTS, N.E.C. (CONT.)

.884-054 NAILER HAND	ANY IND	-2P	3	M-34--	I------
.884-058 SCARF GLUER	VENEER / PLY	-2P	4	M-34--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.687-018 BOX SQUARER	WOOD BOX	-2P	2	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.887-058 END NAILER	WOOD BOX	-2P	2	L-34-6	I---5--
.887-078 KNOCK-UP-ASSEMBLER	WOODWORKING	-2P	2	M--4--	I------
.884-014 ASSEMBLY OPERATOR	SHAPED WOOD	-2P	3	L--4--	I------
.884-038 DOOR ASSEMBLER	WOODWORKING	-3P	4	M--4--	I------
.884-042 FOLDING-WOODEN-RULE MAKER	SHAPED WOOD	-3P	3	L--4--	I------
.884-050 LEVELER	SHAPED WOOD	-2P	3	L--4--	I------
.687-010 BOX INSPECTOR	WOOD BOX	-2P	2	M-3--	I------
.687-014 BOX REPAIRER	WOOD BOX	-2P	3	L--4-6	I------
.684-010 BASKET FINISHER AND INSPECTOR	BASKETRY	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.884-046 GRIP ASSEMBLER	SHAPED WOOD	-3P	4	L--4-6	I------

763. FABRICATION AND REPAIR OF FURNITURE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLOW-OFF WORKER	FURN	-1-	2	L--4--	I------
.887-014 DRAWER WAXER	FURN	-1-	2	L--4--	I------
.884-022 DRAWER LINER	FURN	-1P	2	L--4--	I------
.884-030 FLY FINISHER	MUSICAL INST	-2P	5	L--4-6	I------
.884-034 FURNITURE ASSEMBLER	FURN	-2P	4	M--4-6	I------
.884-038 HARDWARE ASSEMBLER	FURN	-2P	2	L-34--	I------
.884-058 PLASTIC-TOP INSTALLER	FURN	-2P	4	M--4-6	I------
.884-062 SUBASSEMBLER	FURN	-2P	2	M--4-6	I------
.884-074 WOODEN-FRAME BUILDER	MATT / BEDSP	-3P	2	M--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	**MODERATE**	MINIMUM

.884-042 LAG SCREWER	FURN	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	**MODERATE**

.884-010 CASE FITTER	FURN	-3P	3	M--4-6	I------
.884-018 CHAIR CANER HAND	FURN	-3P	3	L--4--	I------
.884-026 FINISH PATCHER	FURN	-3P	4	M-34-6	I------
.884-046 LAMINATOR HAND	FURN	-2P	3	L--4--	I------
.884-054 PLASTIC-TOP ASSEMBLER	FURN	-2P	3	M--4-6	I------
.884-066 TABLE-TOP TILE SETTER	BRICK / TILE	-2P	5	L--4-6	I------
.884-070 WICKER WORKER	FURN	-3P	5	M--4--	I------

763. FABRICATION AND REPAIR OF FURNITURE, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.687-010	CHAIR INSPECTOR AND LEVELER	FURN	-2P	4	M--4-6	I------
.684-010	ASSEMBLY-LINE INSPECTOR	FURN	-2P	4	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.684-014	STOCK-PARTS INSPECTOR	FURN	-2P	3	L-34-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014	CHAIR CANER HAND	FURN	-2P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-014	FINISHED-STOCK INSPECTOR	FURN	-2-	4	M-34-6	I------

764. COOPERAGE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AIR FILLER	COOPERAGE	-2-	2	L--4--	I------
.887-014	ASSEMBLER	COOPERAGE	-2P	2	L--4--	I------
.887-018	BARREL DRAINER	COOPERAGE	-1-	1	M-34--	I------
.887-022	BARREL LINER HAND	COOPERAGE	-2P	2	M-34--	I------
.887-026	BARREL LINER SPRAY	COOPERAGE	-2P	2	M-34--	I------
.887-034	BARREL WATERER	COOPERAGE	-2-	1	L--4--	I------
.887-038	BARREL-CHARRER HELPER	COOPERAGE	-2P	2	M--4--	I------
.887-042	BARREL-RAISER HELPER	COOPERAGE	-2P	2	M--4--	I------
.887-046	BUCKET-BOTTOM SETTER	COOPERAGE	-1-	2	L--4--	I------
.887-050	BUNG DRIVER	COOPERAGE	-1-	1	L--4--	I------
.887-054	BUNGHOLE REAMER	COOPERAGE	-1-	2	L--4--	I------
.887-058	CHANNEL INSTALLER	COOPERAGE	-1-	2	M-34--	I---5--
.887-062	COOPER HELPER	COOPERAGE	-2P	2	M--4--	I------
.887-066	HEADER	COOPERAGE	-2P	3	M--4--	I------
.887-074	HEADING REPAIRER	COOPERAGE	-2P	3	L--4--	I------
.887-078	HOGSHEAD COOPER	COOPERAGE	-3-	2	H-34--	I------
.887-082	HOGSHEAD COOPER	COOPERAGE	-3-	2	H--4--	I---5--
.887-086	HOGSHEAD HOOPER	COOPERAGE	-2P	2	M--4--	I---5--
.887-090	HOOP NAILER	COOPERAGE	-1-	2	L--4--	I------
.887-094	HOOP REMOVER HAND	COOPERAGE	-1-	1	L--4--	I------
.887-102	LEVELER II	COOPERAGE	-2-	1	M-34--	I------
.887-106	PLUGGER	COOPERAGE	-1-	1	L--4--	I------
.887-110	ROUGH-BOTTOM PILER	COOPERAGE	-1-	2	L--4--	I------
.884-010	BARREL BRANDER	COOPERAGE	-2P	2	M--4--	I------
.884-014	BARREL CHARRER	COOPERAGE	-2P	4	M--4--	I------
.884-018	BARREL RAISER	COOPERAGE	-2P	4	H-34--	I---5--
.884-030	SETTER-UP BUCKET	COOPERAGE	-2P	3	L--4--	I------
.884-038	TUB BEVELER	COOPERAGE	-2P	3	L--4--	I------
.884-046	WOODEN-HOOP MAKER	COOPERAGE	-2P	4	M--4--	I-34---

764. COOPERAGE (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 BARREL MARKER	COOPERAGE	-2-	2	L--4--	I------
.887-070 HEADING MATCHER AND ASSEMBLER	COOPERAGE	-2P	3	L--4--	I------
.887-098 LEAK HUNTER	DISTILLED LI	-2-	2	M2-4-6	I------
.884-026 HOGSHEAD COOPER	COOPERAGE	-2P	2	H--4--	I------
.884-034 TANK ASSEMBLER	COOPERAGE	-3P	4	M--4--	I------
.884-042 TUB MENDER	COOPERAGE	-2P	3	L--4-6	I------
.687-010 BARREL INSPECTOR SLACK	COOPERAGE	-2-	2	M--4-6	I------
.687-014 BARREL INSPECTOR TIGHT	COOPERAGE	-3-	4	M--4-6	I------
.687-018 CULLER	COOPERAGE	-2-	4	L--4-6	I------
.687-022 LOG INSPECTOR	SAWMILL	-2-	4	M--4-6	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.387-010 MATERIAL INSPECTOR	COOPERAGE	-3-	5	L--4-6	B------

769. FABRICATION AND REPAIR OF WOOD PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PAD TAPER	EXCELSIOR	-1-	1	L--4--	I------
.887-018 PUTTY MIXER	WOOD BOX	-1-	1	L--4--	I------
.887-022 SHIM SETTER	WOODWORKING	-2P	1	L--4--	I------
.887-026 SMOKING-PIPE LINER	SMOKING PIPE	-2P	1	S--4-6	I------
.887-030 VENEER-EDGE GLUER HAND	VENEER / PLY	-1-	2	M-34--	I------
.884-008 BENDER HAND	WOODWORK	-2P	2	L--4--	I--45--
.884-010 JOINT GLUER VENEER	VENEER / PLY	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 PAD-MACHINE OFF-BEARER	EXCELSIOR	-2-	1	S--4--	I-----7
.884-004 BENCH HAND	AMMUNITION	-2P	4	M--4--	I------
.884-014 OIL DIPPER	SHAPED WOOD	-2P	3	M--4--	I-3---7
.884-018 REELER	WIRE WIREWOR	-2P	2	H-34--	I------
.884-022 REPAIRER, ASSEMBLED WOOD PRODU	WOODWORKING	-3P	5	M--4-6	I---56-
.884-026 SHAKER REPAIRER	CORN PROD	-3P	2	H234--	I--4--7
.884-030 WEAVER	BASKETRY	-2P	5	L-34--	I------
.687-010 BASKET GRADER	BASKETRY	-2-	2	H--4-6	I------
.687-014 BOBBIN INSPECTOR	SHAPED WOOD	-1-	2	L--4--	I------
.687-018 FINAL INSPECTOR SHUTTLE	SHAPED WOOD	-2-	4	L--4--	I------
.687-022 INSPECTOR	WOODWORKING	-2-	3	M--4-6	I------
.687-026 SORTER	CORK PROD	-2-	2	L--4-6	I------
.687-030 VENEER-STOCK GRADER	BASKETRY WOO	-2-	2	L--4-6	I---5--
.684-010 CANOE INSPECTOR FINAL	SHIP / BOAT	-2-	4	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-034 WOODWORKING-SHOP HAND	WOODWORKING	-3P	2	V--4--	B-----4

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HRP SVP 123456 1234567

769. FABRICATION AND REPAIR OF WOOD PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.684-014 SHUTTLE INSPECTOR — SHAPED WOOD -2- 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.587-010 WOODWORK-SALVAGE INSPECTOR — FIREARMS -3- 2 M--4-6 I------

FABRICATION AND REPAIR OF SAND/GLASS GOODS (770.-779.)

Occupations in this area are concerned with the cutting, grinding, polishing, forming, decorating, shaping, etching, frosting, and cleaning of precious and semiprecious stones, synthetic gems, diamond wire drawing dies, ornamental and structural stone, porcelain, pottery, ceramics, glass abrasives, asbestos, and various polishing products.

Occupations in this area demand all eight combinations of cognitive capabilities. About one-fourth make minimum demands, more than one-third demand only perceptual processing, and 15 percent--primarily in the jewel and jewel bearing occupations--demand all three types of cognitive capabilities. Perceptual processing demands derive primarily from matching product contours with specifications and product inspection to detect flaws. Language demands derive primarily from verbal communications although interpretation of written specifications and completion of records is important in occupations dealing with jewels, bearings, and dies. Mathematics demands largely derive from routine measurements to verify that standards are being achieved. In jewelry and timepiece occupations, tolerances may be extremely close and test measurements may be sophisticated.

Dexterity in the manipulation of parts, use of power and hand tools, and feeding of machines is commonly required. Mechanical knowledge is sometimes helpful.

Job opportunities are varied and widespread even though there are not usually in concentrations of large numbers. Career progression in parallel with growing skills has promise.

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HRP SVP 123456 1234567

770. FABRICATION AND REPAIR OF JEWELRY, ORNAMENTS, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ARTIFICIAL-PEARL MAKER	JEWELRY	-2P	2	L--4-6	I------
.887-014 ARTIFICIAL-PEARL-MAKER HELPER	JEWELRY	-2P	1	S--4--	I------
.887-018 GAGER	JEWELRY	-2-	2	S--4--	I------
.887-022 PULVERIZER	JEWELRY	-2P	1	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-058 TURNER MACHINE	JEWELRY	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-026 SAWYER	JEWELRY	-2P	3	L--4--	I------
.884-010 BEVELER ENDSTONE CAP	CLOCK / WATC	-2P	3	L--4-6	I------
.884-022 JEWEL GRINDER	CLOCK / WATC	-2P	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-014 FACER	JEWELRY	-3P	4	L--4--	I------

PHYS.D WK COND
HRP SVP 123456 1234567

770. FABRICATION AND REPAIR OF JEWELRY, ORNAMENTS, AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 FLAT SURFACER JEWEL	CLOCK / WATC	-2P	3	L--4-6	I------
.884-026 JEWEL-BEARING BROACHER	JEWELRY	-3P	5	L--4-6	I------
.884-030 JEWEL-BEARING DRILLER	JEWELRY	-3P	4	L--4--	I------
.884-034 JEWEL-BEARING FACER	JEWELRY	-3P	4	L--4-6	I------
.884-038 JEWEL-BEARING GRINDER	JEWELRY	-3P	4	L--4-6	I------
.884-042 JEWEL-BEARING POLISHER	JEWELRY	-2P	4	L--4-6	I------
.884-046 JEWEL-BEARING TURNER	JEWELRY	-2P	4	L--4-6	I------
.884-050 JEWEL-CORNER-BRUSHING-MACHINE	CLOCK / WATC	-2P	3	L--4-6	I------
.884-054 JEWEL-CUPPING-MACHINE OPERATOR	CLOCK / WATC	-3P	3	L--4-6	I------
.781-014 DIAMOND-DIE POLISHER	CLOCK / WATC	-3P	5	L--4-6	I------
.781-018 DIAMOND-DRILLER	CLOCK / WATC	-3P	5	L--4--	I------
.781-034 OLIVING-MACHINE OPERATOR	CLOCK / WATC	-3P	5	S--4-6	I------
.781-038 PHONOGRAPH-NEEDLE-TIP MAKER	PHONOGRAPH	-3P	5	S--4-6	I------
.781-042 SAPPHIRE-STYLUS GRINDER	PHONOGRAPH	-2P	5	S--4--	I------

771. STONE CUTTING AND CARVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 COPER HAND	STONEWORK	-3P	3	V--4--	I------
.884-026 SLATE SPLITTER	STONEWORK	-2P	3	H-34-6	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 BEVELER	STONEWORK	-2P	5	H--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-018 MILLER HEAD ASSISTANT WET PROC	CORN PROD	-2P	5	H2-4--	I---567

772. GLASS BLOWING, PRESSING, SHAPING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BREAKER SPRUES	GLASS MFG	-1-	1	M--4--	I------
.884-030 WATCH-CRYSTAL MOLDER	GLASS PROD	-2P	4	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 HOT-WIRE GLASS-TUBE CUTTER	GLASS PROD	-2P	2	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 CUTTER-DOWN	GLASS MFG	-2P	3	L--4-6	I-3----
.884-026 WARM-IN WORKER	GLASS MFG	-2P	3	L--4-6	I-3----

772. GLASS BLOWING, PRESSING, SHAPING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-014 HOT-METAL WORKER — GLASS MFG -3P 2 L--4-- I----6-

773. COLORING AND DECORATING BRICK, TILE, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 DECORATOR — GLASS MFG GL -3P 2 L--4-6 I------
.884-014 PASTER — BRICK / TILE -2P 3 M--4-6 I------
.884-018 PRINTER — POTTERY / PO -2P 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 COLORER — BRICK / TILE -2P 3 L--4-6 I------

774. FABRICATION AND REPAIR OF POTTERY AND PORCELAIN WARE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BISCUIT-WARE STOPPER — POTTERY / PO -2P 2 L--4-6 I------
.887-014 POTTER ASSISTANT — POTTERY / PO -2P 2 H-34-- I---5--
.884-014 DIPPER — POTTERY / PO -2P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 LACER — STAT / ART G -2P 2 S--4-- I------
.887-022 WARE CLEANER — POTTERY / PO -2P 1 S--4-6 I------
.884-018 FINISHER — POTTERY / PO -3P 3 L--4-6 I------
.884-022 HANDLER — POTTERY / PO -2P 5 L--4-6 I--4---
.884-026 POTTER — POTTERY / PO -3P 5 M--4-6 I--45--
.884-030 JOLLIER — POTTERY / PO -3P 5 M--4-6 I--4--7
.884-038 SAGGER MAKER — POTTERY / PO -3P 3 M-34-- I------
.884-042 STICKER-ON — STAT / ART G -2P 2 L--4-- I------
.884-050 WARE DRESSER — POTTERY / PO -3P 4 L--4-6 I------
.687-010 PRINT INSPECTOR — POTTERY / PO -2- 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 BISQUE CLEANER — POTTERY / PO -2P 4 S--4-6 I-----7
.387-010 INSPECTOR — POTTERY / PO -3- 5 L--4-6 I------

775. GRINDING, FILING, POLISHING, ETCHING, CLEANING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FINISHER — STAT / ART G -2P 2 S--4-- I------
.887-018 GLASS DRILLER — GLASS MFG -1- 2 L--4-- I------

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775. GRINDING, FILING, POLISHING, ETCHING, CLEANING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-026 MIRROR CLEANER	MIRROR	-1-	2	L--4--	I------
.887-030 MIRROR-GLASS-CUTTER HELPER	MIRROR	-2P	1	L--4-6	I------
.887-038 WIPER	GLASS MFG	-1-	2	L--4--	I------
.884-026 GLASS CUTTER	ANY IND	-2P	4	M--4-6	I------
.884-034 GLASS GRINDER	GLASS MFG	-2P	4	L--4-6	I------
.884-058 LEVEL-VIAL MARKER	CUT TOOLS	-1P	3	S--4-6	I------
.884-078 WATCH-CRYSTAL EDGE GRINDER	GLASS PROD	-2P	4	S--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 GLASS CUTTER MACHINE	GLASS MFG	-2P	3	M--4-6	I------
.887-022 GOLD BURNISHER	POTTERY / PO	-2-	2	S--4--	I------
.887-034 STOPPER GRINDER	GLASS MFG	-2P	3	L--4--	I------
.884-014 EDGER, TOUCH-UP	MIRROR	-2P	3	H--4-6	I------
.884-018 EDGER HAND	GLASS MFG MI	-2P	2	H--4-6	I------
.884-030 GLASS FINISHER	GLASS PROD	-3P	5	L--4-6	I------
.884-046 GLASS POLISHER	GLASS MFG	-2P	3	M--4-6	I------
.884-050 GLASS SANDER BELT	MIRROR	-3P	2	M--4-6	I------
.884-066 POLISHER	MIRROR	-2P	4	H--4-6	I------
.884-070 STENCIL CUTTER	GLASS PROD	-2P	2	S--4--	I------
.884-074 STONE POLISHER HAND	STONEWORK	-3P	4	L--4-6	I--4--7
.687-010 INSPECTOR GLASS OR MIRROR	MIRROR	-2-	4	H--4-6	I------
.687-014 STOCK SHEETS CLEANER-INSPECTOR	MIRROR	-2P	4	V--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-022 GLASS CALIBRATOR	GLASS PROD	-3P	3	L--4-6	I----6-
.884-042 GLASS GRINDER LABORATORY APPAR	INST / APP	-3P	5	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-054 GLASS-ETCHING TECHNICIAN	INST / APP	-3P	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BEVELER	GLASS MFG MI	-3P	5	H--4-6	I------

776. FABRICATION AND REPAIR OF ASBESTOS AND POLISHING PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BELT MAKER	ABRASIVE / P	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ABRASIVE-STONE CUTTER HAND	ABRASIVE / P	-2P	2	L--4--	I------
.884-014 GRINDING-WHEEL DRESSER	ANY IND	-2P	4	M--4--	I---5--
.884-018 POLISHING-WHEEL SETTER	ANY IND	-3P	2	M-34--	I-34---

776. FABRICATION AND REPAIR OF ASBESTOS AND PLISHING PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.684-010 LABORATORY TECHNICIAN	ABRASIVE / P	-2P	2	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 INSPECTOR	ASBESTOS PRO	H3P	3	L--4-6	I-----7
.487-010 GRINDING-WHEEL INSPECTOR	ABRASIVE / P	-3P	5	H--4-6	I------

777. MODELMAKING, PATTERNMAKING, MOLDMAKING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 FORM MAKER PLASTER	FABRIC PLAST	-3P	5	V--4--	I--4---

779. FABRICATION AND REPAIR OF SAND, STONE, CLAY, AND GLASS PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BACKER	MIRROR	-1-	2	L--4--	I------
.887-014 BREAKER	GLASS PROD M	-1P	3	M--4-6	I------
.887-018 CARTRIDGE LOADER	ELEC EQUIP	-1-	1	L--4--	I------
.887-026 END FINDER ROVING DEPARTMENT	GLASS MFG	-2P	2	L--4-6	I---5--
.887-030 END FINDER TWISTING DEPARTMENT	GLASS MFG	-2P	2	L--4-6	I------
.887-034 GLASS-BULB SILVERER	GLASS PROD	-2P	2	S--4--	I------
.887-038 TAPE-MOLD MAKER	PLASTICS MAT	-2P	1	L--4--	I------
.887-042 WAXER	GLASS PROD	-1-	2	S--4--	I------
.884-014 CONCRETE-FITTINGS MAKER	CONC PROD	-3P	4	V-34--	I------
.884-030 LEVEL-VIAL SEALER	CUT TOOLS	-1P	2	S--4-6	I----6-
.884-074 STONE REPAIRER	STONEWORK	-3P	5	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-018 CONCRETE-PIPE MAKER	CONC PROD	-3P	3	V234--	O---56
.884-042 MIRROR SPECIALIST	MIRROR MIRRO	-3P	4	H-34--	I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-034 MICA GAGER	ELEC EQUIP M	-2P	2	S--4-6	I----67
.884-038 MICA SPLITTER	MINERALS / E	-2P	2	S--4-6	I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 CELL ASSEMBLER	PLASTICS MAT	-2P	2	M--4-6	I----6-
.884-010 BANDER HAND	GLASS MFG GL	-3P	4	L--4-6	I------
.884-026 GLASS-LINED TANK REPAIRER	MALT LIQUORS	-3P	3	L-34--	I2-4-7
.884-058 PIPE FINISHER	BRICK / TILE	-2P	3	M--4--	I------

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779. FABRICATION AND REPAIR OF SAND, STONE, CLAY, AND GLASS PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-070 SECOND CUTTER — GLASS MFG — H2P 4 M--4-6 I------
.687-010 DECORATING INSPECTOR — GLASS MFG — -2P 2 L----6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.781-010 MOSAIC WORKER — GLASS PROD S -3P 5 L--4-6 I------
.687-014 MICA INSPECTOR — MINERALS / E -2- 3 S--4-6 I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022 FETTLER — BRICK / TILE -2P 3 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-010 FINAL INSPECTOR — MIRROR -3- 5 M--4-6 I------

FABRICATION AND REPAIR OF TEXTILE (780.-785. & 788.-789.)

Occupations in this area are concerned with laying out, marking, cutting, punching, hand-sewing, hand-knitting, hand-embroidering, hand-weaving, fitting, and similar activities to fabricate such mass-produced items as ready-to-wear apparel, drapes, slipcovers, sheets, pillowcases, footwear, upholstering, canvas goods, and household furnishings. Machine sewing occupations are discussed separately in groups 786. and 787.

Occupations in this area demand all eight combinations of cognitive capabilities, but 65 percent make only minimum demands. More than 20 percent of the occupations demand only perceptual processing and a substantial number demand a combination of language and perceptual processing. Perceptual processing demands derive from folding and forming two-dimensional material into three-dimensional goods and the visualization of relationships between individual pieces and the finished product--often when working on the reverse side which gives a mirror image. Language demands derive from verbal communications, including the use of specialized terminology; the reading of work specifications; and production recording. Mathematics demands derive largely from the measurement of irregularly shaped articles such as garment parts.

Dexterity in the manipulation of material and tools is commonly demanded.

Trends toward increased overseas fabrication and automated rather than manual operations both tend to suppress job opportunities in this area.

780. UPHOLSTERING AND MATTRESS AND BEDSPRING FABRICATION AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D WK COND	
				HRP SVP	123456 1234567
.887-010	BORDER MEASURER AND CUTTER	MATT / BEDSP	-1- 1	L--4--	I------
.887-014	CLIPPER AND TURNER II	MATT / BEDSP	-1- 1	M--4--	I------
.887-018	CUSHION CLEANER	FURN	-1- 1	M--4--	I------
.887-022	FEATHER-CUTTING-MACHINE OPERAT	HOUSE FURN	-1- 1	M--4--	I------
.887-026	FEEDER	HOUSE FURN	-1- 1	M--4--	I---5-7
.887-030	FILLER	HOUSE FURN	-2- 1	M--4--	I-----7
.887-034	HASSOCK MAKER	HOUSE FURN	-2P 2	M--4--	I------
.887-038	MATTRESS STRIPPER	MATT / BEDSP	-1- 1	M-34--	I------
.887-042	MATTRESS-SPRING ENCASER	MATT / BEDSP	-2P 2	L--4--	I------
.887-046	POCKETED-SPRING INSERTER	AUTO MFG FUR	-1- 1	L--4--	I------
.887-050	SPRING COVERER	FURN	-1- 2	L--4--	I------
.887-054	STAPLER HAND	MATT / BEDSP	-2P 2	M--4--	I------
.887-058	STUFFER	HOUSE FURN	-1- 1	L--4--	I------
.887-062	TUFTER HAND	MATT / BEDSP	-2P 3	H--4--	I------
.887-066	UPHOLSTERER HELPER	ANY IND	-2P 3	H--4--	I------
.884-014	BACK PADDER	FURN	-2P 2	L--4--	I------
.884-026	BOX-SPRING TOPPER	MATT / BEDSP	-2P 3	M--4--	I------

780. UPHOLSTERING AND MATTRESS AND BEDSPRING FABRICATION AND REPAIR (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D WK COND 123456 1234567
.884-046	CRUSHER	MORT GOODS	-2P	2		L--4-- I------
.884-050	CUSHION BUILDER	AUTO MFG	-2P	2		M--4-- I------
.884-054	CUSHION BUILDER	FURN	-2P	3		L--4-- I------
.884-058	CUSHION MAKER	FURN	-2P	3		L--4-- I---5--
.884-062	CUSHION MAKER II	FURN	-2P	4		L--4-- I------
.884-066	EDGE ROLLER	FURN	-1P	3		L--4-- I------
.884-078	MATTRESS MAKER	MATT / BEDSP	-2P	4		M--4-6 I------
.884-082	MATTRESS-FILLING-MACHINE TENDE	MATT / BEDSP	-2P	2		M--4-- I------
.884-086	PADDER CUSHION	FURN	-2P	3		L--4-- I------
.884-094	PANEL MAKER	FURN	-2P	3		L--4-- I------
.884-098	POCKETED-SPRING ASSEMBLER	MATT / BEDSP	-2P	3		L--4-- I------
.884-102	RIMMER	MATT / BEDSP	-1P	4		L--4-- I------
.884-106	SEWING-IN OPERATOR	MATT / BEDSP	-2P	3		L--4-- I------
.884-110	SLIP-SEAT COVERER	FURN	-2P	3		L--4-- I------
.884-114	SPRING ASSEMBLER	FURN MATT	-2P	4		M--4-- I------
.884-122	SPRINGER	FURN	-2P	4		M--4-6 I------
.884-134	TUFTER	MATT / BEDSP	-2P	4		M-34-- I------
.884-150	UPHOLSTERY TRIMMER	FURN	-1-	3		L--4-- I------
.884-158	WIRE-BORDER ASSEMBLER	FURN MATT	-2P	3		M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-090	PANEL COVERER, METAL FURNITURE	FURN	-2P	2		L--4-- I------
.884-154	WEBBING TACKER	FURN	-2P	3		L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022	BOX-SPRING MAKER	MATT / BEDSP	-2P	5		M--4-- -------
.884-070	FABRICATOR FOAM RUBBER	MATT / BEDSP	-2P	2		L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-070	UPHOLSTERY CLEANER	FURN	-2-	2		M-34-6 I----67
.884-018	BAND-TOP MAKER	MATT / BEDSP	-2P	5		L-34-- I---5--
.884-030	CASKET COVERER	MORT GOODS	-2P	4		M--4-6 I------
.884-034	CASKET LINER	MORT GOODS	-2P	4		L--4-6 I------
.884-038	CHAIR UPHOLSTERER	FURN	-2P	5		L--4-6 I------
.884-130	TESTER CONVERTIBLE SOFA BEDSPR	MATT / BEDSP	-3P	4		M--4-- I------
.884-142	UPHOLSTERY CUTTER	FURN RET TR	-2P	5		L--4-6 I------
.884-146	UPHOLSTERY REPAIRMAN	FURN	-3P	3		M--4-6 I------
.781-014	PAD HAND	LEATHER PROD	-2P	5		L--4-6 I------
.684-010	TRIMMING ASSEMBLER	FURN	-3-	3		L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-042	COTTON DISPATCHER	FURN	-2-	2		L----- I------
.884-070	STUFFING-MACHINE OPERATOR	AUTO MFG MAT	-2P	3		M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-138	UPHOLSTERER	FURN	-2P	3		M--4-6 I------

780. UPHOLSTERING AND MATTRESS AND BEDSPRING FABRICATION AND REPAIR (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-018	MATTRESS INSPECTOR	RUBBER GOODS	-3-	2	M--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	AUTOMOBILE-SEAT-COVER-AND-CONV	AUTO SER	-3P	4	M-34-6	I------
.884-118	SPRING CLIPPER	FURN	-2P	2	L--4--	I------
.781-010	HEARSE UPHOLSTERER	AUTO MFG	-2P	5	M-34--	I------
.687-010	COVER INSPECTOR	FURN	-3-	3	L--4-6	I------
.687-014	INSPECTOR	MATT / BEDSP	-3-	4	L--4-6	I------
.587-010	SORTER UPHOLSTERY PARTS	FURN	-3P	3	L--4--	I------

781. LAYING OUT, MARKING, CUTTING, AND PUNCHING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CLOTH TEARER	GARMENT TEXT	-1-	2	M--4-6	I------
.887-014	CUTTER HAND	ANY IND	-2-	2	L--4--	I------
.887-018	CUTTER HAND	ANY IND	-2P	2	M--4--	I------
.887-022	CUTTER HELPER	ANY IND	-2P	1	L--4--	I------
.887-026	FELT CUTTER	OPTICAL GOOD	-2P	2	S--4--	I------
.887-038	MARKER	GARMENT KNIT	-2-	2	L-34--	I------
.887-042	MARKING STITCHER	GARMENT	-2P	2	L--4--	I------
.887-046	MARKING-PRESS OPERATOR	KNIT GOODS	-1-	2	L-34--	I------
.887-054	POCKET MARKER	GARMENT KNIT	-2P	2	L--4--	I------
.887-058	RIBBON CUTTER	NARROW FABRI	-1-	2	L--4--	I------
.887-062	SHOELACE-CUTTING-MACHINE OPERA	NARROW FABRI	-1-	2	S--4-6	I------
.887-066	SPREADER	ANY IND	-2P	2	L--4--	I------
.887-070	STAMPER	TRIM / STAMP	-2P	2	L--4-6	I------
.887-074	STENCILER	GARMENT	-2P	2	L--4-6	I------
.887-078	TRIMMER HAND	ANY IND	-1-	2	L--4-6	I------
.884-010	BEDSPREAD CUTTER	HOUSE FURN	-2P	3	M--4-6	I------
.884-014	BLANKET CUTTER	TEXTILE	-2P	3	M--4--	I------
.884-018	CUTTER APPRENTICE HAND	ANY IND	-2P	5	L--4-6	I------
.884-022	CUTTER HAND	ANY IND	-2P	3	L--4-6	I------
.884-030	CUTTER MACHINE	ANY IND	-3P	5	L-34-6	I------
.884-034	CUTTER ROTARY SHEAR	TEXTILE	-2P	2	L--4-6	I------
.884-038	LAY-OUT-MACHINE OPERATOR	HOUSE FURN	-3-	3	L--4-6	I------
.884-046	PERFORATOR	EMBROID TRIM	-2P	3	L--4-6	I---5--
.884-054	PUNCHER	GARMENT	-1-	2	L--4--	I------
.884-058	RUG CLIPPER	CARPET / RUG	-2P	3	M--4-6	I------
.884-066	SCALLOP TRIMMER	KNIT GOODS T	-2P	3	S--4--	I------
.884-070	SKIRT-TRIMMING-MACHINE OPERATO	GARMENT	-3P	4	L--4-6	I------
.884-078	DRAPERY-HEAD-FORMER	RET TR	-2P	2	L--4--	I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-030	GOODS LAYER	TEXTILE	-2-	2	H-34--	I------
.684-014	PANTS MARKER	RET TR	-2-	3	L--4-6	I------

781. LAYING OUT, MARKING, CUTTING, AND PUNCHING, N.E.C. (CONT.)

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Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-050 PLEAT PATTERNMAKER — TRIM / STAMP -3- 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-050 MATCH MARKER	GARMENT	-2-	2	L--4-6 I------
.884-042 MATCH-UP CUTTER	GARMENT	-2-	4	L--4-6 I------
.884-062 SAIL CUTTER	CANVAS GOODS	-3P	5	L-34-6 I------
.884-074 SPREADER	ANY IND	-3P	2	M--4-6 I------
.884-082 TRIM-STENCIL MAKER	AUTO MFG	-2P	3	L--4-- I------
.687-010 ASSEMBLER	GARMENT GLOV	-2-	4	L--4-6 I------
.687-018 CUTTER HELPER	GLOVE / MIT	-2-	2	M--4-- I------
.687-022 DRAPER	GARMENT KNIT	-3-	3	L--4-6 I------
.687-026 GLOVE-PARTS INSPECTOR	GLOVE / MIT	-3-	4	L--4-6 I------
.687-030 LINING MATCHER	GARMENT	-2-	3	M----6 I------
.684-010 CUTTING INSPECTOR	HOUSE FURN	-2-	2	L--4-6 I------
.684-018 WASTE SALVAGER	GARMENT	-2-	3	L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-034 LAY-UP WORKER	TOYS / GAMES	-3-	2	M--4-- I------
.781-010 LEATHER STAMPER	LEATHER PROD	-3P	5	L--4-6 I------
.687-014 CLOTH EXAMINER HAND	TEXTILE	-3-	3	L--4-6 I------

782. HANDSEWING, MENDING, EMBROIDERING, KNITTING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BASTING PULLER	GARMENT KNIT	-1-	2	L--4-6 I------
.887-014 BOW TIER	KNIT GOODS	-1-	1	L--4-- I------
.887-018 BUTTONER	GARMENT KNIT	-1-	1	L--4-- I------
.887-022 CLOTH-BALE HEADER	TEXTILE	-1-	2	M-34-- I------
.887-026 LAUNDRY WORKER, HAND	KNIT GOODS	-1-	2	L--4-- I------
.887-038 PULLER-THROUGH	GLOVE / MIT	-1-	1	S--4-6 I------
.887-042 RAVELER	KNIT GOODS	-1-	1	S--4-- I------
.887-046 RIPPER	TEX PROD N E	-1-	2	L--4-6 I------
.887-054 SACK REPAIRER	ANY IND	-1P	2	S--4-6 I------
.887-062 TAPE STRINGER	KNIT GOODS	-1-	1	L--4-6 I------
.887-066 THREAD MARKER	GARMENT	-1-	2	L--4-- I------
.887-070 TIPPER	KNIT GOODS	-1-	2	S--4-6 I------
.884-022 FABRIC WORKER	AIRCRAFT MFG	-2P	5	M--4-- I------
.884-026 FISH-NET STRINGER	CORD / TWINE	-2P	3	L--4-- I------
.884-034 GARMENT MENDER	KNIT GOODS	-2P	3	S--4-6 I------
.884-038 GARMENT RIPPER ALTERATIONS	RET TR	-1P	2	S--4-6 I------
.884-042 GLOVE SEWER HAND	GLOVE / MIT	-1P	5	S--4-6 I------
.884-046 HEMMER HAND	CARPET / RUG	-1-	3	L--4-- I------
.884-050 HOSIERY MENDER	HOSIERY PER	-2P	3	S--4-6 I------
.884-074 RUG MENDER	FIBER RUGS	-2P	3	M-34-6 I------
.781-010 HAT TRIMMER	CLEAN DYE	-3P	5	L--4-6 I------

782. HANDSEWING, MENDING, EMBROIDERING, KNITTING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034	PINNER	EMBROID GARM	-1-	2	L--4-6 I------
.887-050	RUG BRAIDER HAND	FIBER RUGS	-2P	2	S-34-6 I------
.887-058	SECONDS HANDLER	KNIT GOODS	-1-	2	L--4-6 I------
.884-010	CANVAS-COVER REPAIRER	ANY IND	-2P	4	H--4-6 I------
.884-014	CROCHETER HAND	KNIT GOODS	-2P	5	L--4-6 I------
.884-030	PINNER	TRIM / STAMP	-3P	3	L--4-- I------
.884-054	KNITTER HAND	TEX PROD N E	-2P	5	L--4-6 I------
.884-058	MATCH-UP WORKER	GARMENT	-2-	4	L--4-6 I------
.884-062	MENDER	TEXTILE	-2P	4	L--4-6 I------
.884-066	PASSEMENTERIE WORKER	TRIM / STAMP	-2P	5	S--4-6 I------
.884-070	RUG HOOKER HAND	CARPET / RUG	-2P	5	L--4-6 I------
.884-078	MENDER	CLEAN DYE	-2P	3	S--4-6 I------
.884-082	SEWER HAND	ANY IND	-2P	3	L--4-6 I------
.781-014	LINING FINISHER	CLEAN DYE	-3P	5	S--4-6 I------
.781-018	PATCHER	PER SER	-3P	5	S--4-6 I------
.781-026	WEAVER HAND	PER SER	-3P	5	S--4-6 I------
.687-010	PARACHUTE INSPECTOR	TEX PROD N E	-3-	4	L--4-6 I------
.687-014	SEAT-PACK INSPECTOR	TEX PROD N E	-3-	4	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-030	NETTING INSPECTOR	CORD / TWINE	-2-	3	L--4-- I------
.884-090	WEAVER HAND	NARROW FABRI	-3P	3	L--4-6 I------

783. FUR WORKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	FUR RIPPER	FUR GOODS	-2P	3	L--4-6 I------
.887-014	FUR TRIMMER	FUR GOODS	-1-	3	L--4-6 I------
.887-018	STICKER	HAT / CAP	-1-	2	L--4-6 I------
.884-010	FLESHER HAND	FUR DRESSING	-1P	3	L--4-6 I--4-67
.884-022	FUR PLUCKER	FUR DRESSING	-2P	4	L--4-6 I-----7
.884-030	FUR STAYER	FUR GOODS	-1P	4	L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014	FUR BLENDER	FUR DRESSING	-2-	2	L--4-6 I------
.884-018	FUR NAILER	FUR GOODS	-2P	5	L-34-- I------
.884-026	FUR POINTER	FUR DRESSING	-2P	4	S--4-6 I------
.884-034	ORLON-PILE BLENDER	GARMENT	-1-	2	L--4-6 I-----7

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HRP SVP 123456 1234567

784. FABRICATION AND REPAIR OF HATS, CAPS, GLOVES, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BEADER HAND	LEATHER PROD	-1P	2	L--4--	I------
.887-018	BRIM RAISER	HAT / CAP	-1-	2	L--4--	I--4---
.887-022	CARROTER	HAT / CAP	-1-	2	L--4--	I-----7
.887-030	EAR-MUFF ASSEMBLER	HAT / CAP	-1-	2	L--4--	I------
.887-034	ENDBAND CUTTER HAND	HAT / CAP	-2-	2	S--4-6	I------
.887-042	FRAMER	HAT / CAP	-1-	2	L-34--	I-----7
.887-046	HAT LACER	HAT / CAP	-1-	2	L--4--	I------
.887-050	LINING ATTACHER	HAT / CAP	-1-	2	L--4--	I------
.887-054	LURER	HAT / CAP	-2P	3	L--4-6	I------
.887-058	OPENER	HAT / CAP	-1-	2	L--4--	I------
.887-062	OPERA-HAT-BRIM COVERER	HAT / CAP	-1-	2	L--4--	I------
.887-070	PASTER	HAT / CAP	-2-	1	L--4--	I------
.887-074	PASTER	HAT / CAP	-1-	2	L--4-6	I------
.887-078	PASTER HAND OR MACHINE	LEATHER PROD	-1P	2	L-----	I------
.887-082	POWDERER	HAT / CAP	-1-	2	L--4--	I------
.887-086	SINGER	HAT / CAP	-1-	2	L--4--	--34---
.887-090	SIZER BELTS	LEATHER PROD	-1-	1	L--4--	I------
.887-094	SMOKE-ROOM OPERATOR	HAT / CAP	-2-	1	M--4--	I-----7
.887-098	STRAW-HAT BRUSHER	HAT / CAP	-1-	2	L--4-6	I-----7
.887-102	STRAW-HAT-WASHER OPERATOR	HAT / CAP	-1-	1	L--4--	I------
.887-106	WIRE INSERTER	HAT / CAP	-2-	2	L--4--	I------
.884-010	ASSEMBLER HANDBAGS	LEATHER PROD	-2P	3	L--4-6	I------
.884-014	BAND-AND-CUFF CUTTER	GLOVE / MIT	-2P	2	L--4--	I------
.884-018	BRIM IRONER HAND	HAT / CAP	-2P	2	L--4-6	I------
.884-042	FOUNDATION MAKER	HAT / CAP	-1-	2	S--4-6	I------
.884-050	HARDENER	HAT / CAP	-2P	4	L--4-6	I--4---
.884-054	HAT BRAIDER	HAT / CAP	-2P	3	L--4-6	I------
.884-062	OPERA-HAT TIPPER	HAT / CAP	-1-	3	L--4-6	I------
.884-066	ROUNDER, HAND	HAT / CAP	-2P	3	L--4-6	I------
.884-070	SILK-TOP-HAT-LINING MAKER	HAT / CAP	-2P	2	L--4-6	I------
.884-074	SIZER HAND	HAT / CAP	-2P	3	L--4-6	I--4---
.884-078	SIZER MACHINE	HAT / CAP	-2P	3	L--4--	I--45--
.884-086	TOP-HAT-LINING MAKER	HAT / CAP	-1-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-022	WEIGHER	HAT / CAP	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	ASSEMBLER	HAT / CAP	-2-	3	L--4-6	I------
.887-026	CROWN POUNCER HAND	HAT / CAP	-2-	3	L--4--	I------
.887-038	FLOORWORKER, MILLINERY	HAT / CAP	-2-	3	L--4--	I------
.887-066	PACKER	HAT / CAP	-3-	2	L--4-6	I------
.884-022	CAP MAKER	HAT / CAP	-2P	5	L--4-6	I------
.884-026	DECORATION MAKER	HAT / CAP MO	-1-	4	S--4--	I------
.884-030	DECORATOR	HAT / CAP	-2P	5	L--4-6	I------
.884-034	FLANGER	HAT / CAP	-2P	2	L--4--	I------

784. FABRICATION AND REPAIR OF HATS, CAPS, GLOVES, AND RELATED PRODUCTS (CONT.)

.884-038	STEAMER-BLOCKER	HAT / CAP KN	-2P	2	L--4-6	I-34---
.884-046	GLOVE REPAIRER	PER SER	-2P	3	S-----	I------
.884-058	MENDER	HAT / CAP	-1-	3	S--4-6	I------
.884-082	TOP-HAT-BODY MAKER	HAT / CAP	-2P	3	L--4-6	I------
.884-090	TRIMMER	HAT / CAP	-2P	3	L--4-6	I------
.781-010	HAT MAKER	HAT / CAP	-2P	5	L--4-6	I------
.687-010	FUR SORTER	HAT / CAP	-2-	3	L--4-6	I------
.687-014	HAT-BODY SORTER	HAT / CAP	-2-	2	L--4-6	I------
.687-018	SHADER BUNDLER AND COUNTER	LEATHER PROD	-2-	3	L--4-6	I------
.387-010	INSPECTOR	HAT / CAP	-3P	3	L--4-6	I------

788. FABRICATION AND REPAIR OF FOOTWEAR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	ANTISQUEAK FILLER	BOOT / SHOE	-1-	2	L--4--	I------
.887-014	BOTTOM BLEACHER	BOOT / SHOE	-1-	2	L--4--	I----7
.887-018	BRUSHER	BOOT / SHOE	-1-	1	L--4--	I---5--
.887-022	BUCKLER AND LACER	BOOT / SHOE	-1-	2	S--4--	I------
.887-026	CEMENTER HAND	BOOT / SHOE	-2-	2	L--4--	I------
.887-030	DRESSER	BOOT / SHOE	-1-	2	L--4--	I------
.887-034	DUST BRUSHER	BOOT / SHOE	-1-	2	L--4--	I------
.887-038	EDGE POLISHER	BOOT / SHOE	-2P	3	L--4--	I------
.887-042	FINISHING TRIMMER	BOOT / SHOE	-1-	2	L--4--	I------
.887-046	FLARE BREAKER	BOOT / SHOE	-1P	2	L--4--	I--4---
.887-054	GOLF-SHOE-SPIKE ASSEMBLER	BOOT / SHOE	-2P	2	L--4--	I------
.887-058	HAMMERER TAB	BOOT / SHOE	-1-	2	L--4--	I---5--
.887-066	HEEL DIPPER	BOOT / SHOE	-1-	2	L--4--	I------
.887-070	HEEL DIPPER INSOLE	BOOT / SHOE	-1-	2	L--4--	I------
.887-074	INSOLE-STIFFENER AND HEEL-DIPP	BOOT / SHOE	-1-	2	L--4--	I------
.887-082	LACER	BOOT / SHOE	-1-	2	L--4--	I------
.887-086	LACING-STRING CUTTER	BOOT / SHOE	-1-	1	L--4--	I------
.887-090	LAST CHALKER	BOOT / SHOE	-1-	2	L--4--	I------
.887-094	LAST CLEANER	BOOT / SHOE	-1-	1	L--4--	I------
.887-098	LAST PULLER HAND	BOOT / SHOE	-1-	2	L-34--	I---5--
.887-102	LAST PULLER MACHINE	BOOT / SHOE	-1-	1	L--4--	I------
.887-106	MOLDER SHOE PARTS	BOOT / SHOE	-2P	2	L--4--	I------
.887-110	PAINTER BOTTOM	BOOT / SHOE	-1-	2	L--4-6	I------
.887-118	SHANK TAPER	BOOT / SHOE	-1-	2	S--4--	I------
.887-122	SHANK-PIECE TACKER	BOOT / SHOE	-1-	2	M--4--	I------
.887-126	SHOE CLEANER	BOOT / SHOE	-1-	2	L--4-6	I------
.887-130	SHOE COVERER	BOOT / SHOE	-1-	2	L--4--	I------
.887-134	SHOE TURNER	BOOT / SHOE	-2P	2	L--4--	I---5--
.887-138	SOLE SCRAPER	BOOT / SHOE	-1-	1	S--4--	I------
.887-142	SOLE WETTER	BOOT / SHOE	-2P	2	M--4--	I--4---
.887-146	STEEL-BOX-TOE INSERTER	BOOT / SHOE	-2P	3	L--4--	I------
.887-150	TABLE WORKER	BOOT / SHOE	-2-	2	S--4--	I------
.887-154	TACK-PULLER HAND	BOOT / SHOE	-1-	1	L--4--	I------
.887-166	VAMP CREASER	BOOT / SHOE	-2P	2	L--4--	I------

788. FABRICATION AND REPAIR OF FOOTWEAR (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

				PHYS.D WK COND HRP SVP 123456 1234567
.887-170	VAMP-STRAP IRONER	BOOT / SHOE	-2P 2	S--4-- I------
.887-174	WELT TREATER	BOOT / SHOE	-1- 2	M--4-- I--4--
.887-178	WELT-BUTTER HAND	BOOT / SHOE	-1- 2	L--4-- I---5--
.887-182	WHITE-SHOE RAGGER	BOOT / SHOE	-1- 2	S--4-- I------
.887-186	WOOD-HEEL FINISHER	BOOT / SHOE	-2P 3	L--4-6 I------
.884-010	ASSEMBLER FOR PULLER-OVER HAND	BOOT / SHOE	-2P 4	L--4-- I---5--
.884-014	ASSEMBLER FOR PULLER-OVER, MAC	BOOT / SHOE	-2P 3	L--4-6 I---5--
.884-018	ASSEMBLER SANDAL PARTS	BOOT / SHOE	-2P 2	L--4-6 I---5--
.884-022	BED LASTER	BOOT / SHOE	-2P 5	L--4-- I------
.884-026	BINDING FOLDER MACHINE	BOOT / SHOE	-2P 4	L--4-6 I---5--
.884-034	BOOTH FOLDER	BOOT / SHOE	-2P 2	L--4-- I---5--
.884-038	BOTTOM FILLER	BOOT / SHOE	-2P 2	L--4-- I------
.884-042	BOTTOM PRESSER	BOOT / SHOE	-2P 2	L--4-- I------
.884-046	BOTTOM WHEELER	BOOT / SHOE	-2P 3	L--4-- I------
.884-054	BUTTONHOLE MAKER	BOOT / SHOE	-2P 3	L--4-- I------
.884-066	CRIPPLE WORKER	BOOT / SHOE	-2P 4	L--4-6 I------
.884-074	FLAMER	BOOT / SHOE	-1- 3	L--4-6 I---5--
.884-078	FOLDER HAND	BOOT / SHOE	-1P 4	S--4-6 I------
.884-082	HAND SEWER SHOES	BOOT / SHOE	-2P 4	L--4-6 I------
.884-086	HEEL ATTACHER WOOD	BOOT / SHOE	-2P 4	L--4-- I------
.884-094	INKER	BOOT / SHOE	-1- 2	L--4-6 I------
.884-098	INTERLACER	BOOT / SHOE	-2P 3	S--4-- I------
.884-106	LASTING-MACHINE OPERATOR HAND	BOOT / SHOE	-2P 4	L--4-- I------
.884-110	LOUIS-HEEL FITTER	BOOT / SHOE	-2P 4	L--4-6 I------
.884-122	PULLER AND LASTER MACHINE	BOOT / SHOE	-2P 2	L--4-- I------
.884-126	PULLER-OVER MACHINE	BOOT / SHOE	-2P 4	L--4-6 I------
.884-130	RASPER	BOOT / SHOE	-1- 2	L--4-- I------
.884-142	SCREW REMOVER	BOOT / SHOE	-1- 2	L--4-6 I---5--
.884-146	SLIP LASTER	BOOT / SHOE	-2P 4	L--4-- I------
.884-158	THREAD LASTER	BOOT / SHOE	-2P 5	L--4-- I------
.884-162	TONGUE PRESSER	BOOT / SHOE	-2P 2	L--4-- I------
.884-166	TOP FORMER	BOOT / SHOE	-2P 2	L--4-- I------
.884-170	TREE DRILLER	BOOT / SHOE	-2P 5	L--4-- I---5--
.884-178	WRAP TURNER	BOOT / SHOE	-2P 2	L--4-- I------
.687-010	CASER SHOE PARTS	BOOT / SHOE	-2- 3	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-162	UPPER MULLER	BOOT / SHOE	-2- 2	M--4-- I-34--7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-050	FLOORWORKER LASTING	BOOT / SHOE	-2- 3	L--4-- I---5--
.887-062	HEEL BUILDER HAND	BOOT / SHOE	-2- 3	L--4-6 I---5--
.887-078	LABORER BOOT AND SHOE	BOOT / SHOE	-2- 2	M-34-- I---5--
.887-114	SCRAP SORTER	BOOT / SHOE	-2- 2	L--4-- I------
.884-030	BLEMISH REMOVER	BOOT / SHOE	-2- 4	L--4-6 I------
.884-050	BOW MAKER	BOOT / SHOE	-2- 4	L--4-- I------
.884-062	CRIPPLE CUTTER	BOOT / SHOE	-2- 5	M-34-6 I------
.884-070	FINGER COBBLER	BOOT / SHOE	-2- 5	S--4-6 I------

788. FABRICATION AND REPAIR OF FOOTWEAR (CONT.)

.884-090 HEEL-SEAT FITTER HAND	BOOT / SHOE	-2P	5	L--4--	I------
.884-114 MARKER HAND	BOOT / SHOE	-2-	2	L--4-6	I---5--
.884-134 ROTARY CUTTER	BOOT / SHOE	-2P	3	L--4--	I------
.884-174 UPPER-AND-BOTTOM LACER HAND	BOOT / SHOE	-2-	3	L--4--	I------
.884-182 WRINKLE CHASER	BOOT / SHOE	-2-	2	L--4-6	I---5--
.687-026 SHANK INSPECTOR	BOOT / SHOE	-2-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.587-010 JOB PUTTER-UP AND TICKET PREPA	BOOT / SHOE	-2-	3	M-34--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-158 TRIMMER HAND	BOOT / SHOE	-2-	2	L--4--	I------
.687-018 ODD-SHOE EXAMINER	BOOT / SHOE	H3-	4	L--45-	I------
.687-022 PARTS-CHECKER AND DISTRIBUTOR	BOOT / SHOE	-2-	3	L--4-6	I------
.584-010 SOLE SORTER	BOOT / SHOE	-3-	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-014 COLOR MATCHER	BOOT / SHOE	-2-	4	S--4-6	I------

789. FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BAG, LINER	TEX BAG	-1-	2	L--4--	I------
.887-018 BEATER	HOUSE FURN	-1-	1	M--4--	I------
.887-022 BOBBIN CLEANER HAND	ANY IND	-2-	2	M--4--	I------
.887-026 BOBBIN MARKER AND POLISHER	TEXTILE	-2-	2	M--4-6	I------
.887-030 BOBBIN WINDER HAND	HOISERY KNIT	-2P	2	L--4--	I------
.887-034 BONER	GARMENT	-1-	1	L--4--	I------
.887-038 BRUSHER	GLOVE / MIT	-1-	2	L--4--	I------
.887-046 CLIPPER	ANY IND	-2-	1	L--4--	I------
.887-050 COLLAR MOLDER	GARMENT	-1-	2	L--4--	I------
.887-054 CUFF TURNER	HOSIERY	-2-	1	L--4--	I------
.887-058 FINAL ASSEMBLER	GARMENT	-2P	2	L--4--	I------
.887-062 FLOCKER	TEX PROD N E	-2P	2	L--4--	I---5--
.887-066 FOLDER	TEX BAG	-1-	2	L--4--	I------
.887-070 FRINGER	HOUSE FURN	-1-	2	L--4-6	I------
.887-074 FRONT NOTCHER	KNIT GOODS	-1-	3	L--4-6	I------
.887-078 GARMENT FOLDER	GARMENT KNIT	-1-	2	L-34--	I------
.887-082 GARMENT TURNER	GARMENT KNIT	-2-	2	L--4--	I------
.887-086 GARTER INSERTER	KNIT GOODS	-1-	2	L--4--	I------
.887-090 GLOVE TURNER	GLOVE / MIT	-2P	2	L--4--	I------
.887-094 HANDLE ATTACHER	LEATHER PROD	-1-	1	L--4--	I------
.887-098 HANDLE MAKER	LEATHER PROD	-2P	1	S--4--	I------
.887-102 HARNESS RIGGER	TEX PROD N E	-2P	2	L--4-6	I------
.887-110 LACER	GARMENT	-1-	1	L--4-6	I------

789. FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		HRP	SVP	PHYS.D WK COND 123456 1234567
.887-114	LINER	GLOVE / MIT	-2P	2 L--4-- I------
.887-118	MIXER	WASTE / BATT	-2-	2 M-34-- I------
.887-126	MOP TIER	HOUSE FURN	-1-	1 L--4-- I------
.887-130	MOPHEAD-TRIMMER-AND-WRAPPER	HOUSE FURN	-2-	2 L-34-- I------
.887-134	PAIRER	HOUSE FURN	H1-	1 L--4-- I------
.887-138	PARACHUTE MARKER	TEX PROD N E	-1-	2 L--4-6 I------
.887-142	PARACHUTE-LINE TIER	TEX PROD N E	-2P	2 L--4-6 I------
.887-146	PILLOW CLEANER	HOUSE FURN	-1-	1 L--4-- I------
.887-154	QUILT STUFFER	HOUSE FURN	-2P	2 L--4-- I------
.887-158	REMNANTS CUTTER	TEXTILE	-1-	1 S--4-6 I------
.887-162	REVERSER	HOUSE FURN	H1-	1 L--4-- I------
.887-166	RIVETER HAND	GARMENT	-2P	2 L--4-6 I------
.887-178	SEAM STEAMER	KNIT GOODS	-1-	1 L--4-- I------
.887-182	STEAMER	TRIM / STAMP	-1-	2 M--4-- I-34---
.887-186	STRAPPER	GARMENT	-2P	2 L--4-- I------
.887-190	TAPER	HOUSE FURN	-1-	1 S--4-- I------
.887-194	TASSELER	NARROW FABRI	-1-	2 S--4-- I------
.887-198	THREAD SEPARATOR	TEX PROD N E	-2-	1 S--4-- I------
.887-202	TIE PRESSER	KNIT GOODS	-2P	2 L--4-- I------
.887-206	TRIMMER	FIBER RUGS	-1-	1 M--4-6 I------
.887-210	TURNER	ANY IND	-2P	2 L--4-- I---5--
.887-218	VENT-TAPE PINNER	TEX PROD N E	-1-	2 L--4-6 I------
.887-222	WATERPROOFER OILSKINS	GARMENT	-1-	2 L--4-- I--4---
.884-026	CASE MAKER	LEATHER PROD	-2P	3 L--4-6 I------
.884-030	CEMENTER	GARMENT	-2P	3 L--4-6 I------
.884-034	FINISHER HAND	CANVAS GOODS	-2P	5 L--4-6 I------
.884-038	FRAME BANDER	TEXTILE	-2P	3 L-34-- I---5--
.884-042	FRAME COVERER	LEATHER PROD	-2P	2 S--4-6 I------
.884-046	HAIR CLIPPER POWER	FUR DRESSING	-1-	2 L--4-6 I--4---
.884-050	LEAF STAMPER	JEWELRY CASE	-2P	2 S--4-6 I------
.884-058	MOLDER SHOULDER PAD	TRIM / STAMP	-2P	2 L--4-- I------
.884-062	NET MAKER	CORD / TWINE	-3P	3 L--4-6 I------
.884-074	PARACHUTE MENDER	TEX PROD N E	-2P	3 L--4-6 I------
.884-078	RIGGER	CANVAS GOODS	-3P	4 M-34-- I------
.884-082	TRIMMING-MACHINE OPERATOR	ANY IND	-2P	3 L--4-- I------
.884-086	TUBER	LEATHER PROD	-2P	2 M--4-- I------
.687-054	REMNANT SORTER	TEXTILE	-1-	2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-018	BUFFING-WHEEL FORMER HAND	TEX PROD N E	-2P	2 M--4-- I------
.884-070	PARACHUTE FOLDER	TEX PROD N E	-3P	4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-038	MONOGRAM-AND-LETTER PASTER	TEX PROD N E	-2-	2 L--4-6 I---5--

789. FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 BAG CUTTER	TEX BAG	-2-	2	M-34--	I------
.887-070 RUG-INSPECTOR HELPER	FIBER RUGS	-2P	3	M-3456	I---5--
.887-150 PLEAT TAPER	TRIM / STAMP	-2-	2	L-34--	I------
.887-214 VEIL DOTTER	TRIM / STAMP	-2-	2	S--4--	I------
.887-226 WET-FABRIC-CONVEYOR ATTENDANT	KNIT GOODS	-1-	2	M--4-6	I------
.884-014 BOW MAKER	ANY IND	-2P	4	L--4--	I------
.687-018 CUTTING INSPECTOR	GARMENT	-2-	3	L--4-6	I------
.687-038 GARMENT-ALTERATION EXAMINER	RET TR	-2-	4	L--4-6	I------
.687-042 GLOVE PAIRER	GLOVE / MIT	-2-	2	L--4--	I------
.687-050 REDYE HAND	HOSIERY	-2-	4	L--4--	I------
.687-058 SECONDS INSPECTOR	GARMENT KNIT	-2-	3	L--4-6	I------
.687-062 SORTER	TEX PROD N E	-2-	2	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-042 BUFFING-TURNER-AND-COUNTER	TEX PROD N E	-2P	2	S--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-174 SAMPLE CLERK	TEXTILE	-2-	3	L--4-6	I------
.884-022 CANOPY STRINGER	TEX PROD N E	H2P	4	L--4-6	I------
.884-066 ORNAMENT SETTER	GARMENT TRIM	-2P	3	L--4-6	I---5--
.687-014 CLOTH-STOCK SORTER	TEXTILE	-2-	2	H-34--	I------
.687-026 FINISHER	EMBROID TRIM	-2-	2	L--4-6	I------
.687-030 GARMENT EXAMINER	GARMENT RET	-3-	4	L--4-6	I------
.687-034 GARMENT INSPECTOR	GARMENT KNIT	-3-	3	L--4-6	I------
.687-046 HIDE INSPECTOR	LEATHER MFG	-2-	4	M--4-6	I-----7
.684-010 INSPECTOR	LEATHER PROD	-2-	4	S--4-6	I------
.587-010 BOXING INSPECTOR	GARMENT KNIT	-2-	3	L--4-6	I------
.387-014 SAMPLE INSPECTOR	TEX PROD N E	-2-	4	S--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 BOARD MAKER	KNIT GOODS	-3P	5	L--4-6	I------
.685-010 INSPECTOR TRIMMING MATERIAL	GARMENT	-2P	2	L--4-6	I------
.387-010 LEATHER GRADER	GARMENT GLOV	-2-	5	H--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-106 LABORER CANVAS SHOP	CANVAS GOODS	-2P	2	M--4-6	I------
.687-010 BUFFING-WHEEL INSPECTOR	TEX PROD N E	-2-	2	S--4-6	I------
.687-022 EXAMINER	GLOVE / MIT	-2-	3	L--4-6	I------
.587-014 INSPECTOR	CARPET / RUG	H3-	2	L--4-6	I------

MACHINE SEWING OF GARMENTS AND NONGARMENTS (786.-787.)

Occupations in this area are concerned with the machine sewing of textiles, leather, fur to produce garment and nongarment products. Nongarments include quilts, drapes, gloves and mittens, sporting goods, lamp shades, shoes, carpeting, umbrellas, and upholstery.

More than 80 percent of the occupations in this area demand only minimum cognitive capabilities. Substantial numbers demand only perceptual processing or a combination of language and perceptual processing. Perceptual processing demands derive largely from visualizing the relationship of component pieces to each other. The required skill level varies with the complexity of the product and the frequency with which products and patterns change. Many of the automatic machine sewing occupations are involved in the mass production of a particular product, such as pillowcases, where the dimensions and other factors rarely change. In the garment industry, however, pattern and sewing techniques may change rather frequently and require higher levels of perceptual processing to grasp quickly the new relationships. Language demands usually involve verbal communications, although a few occupations may require the reading of specifications and preparation of simple production records. Mathematics demands seldom exceed the need to count or to interpret machine settings.

Psychomotor skills are important to effective machine control. Even with automatic machines, quick response to tears, wrinkles, irregular stitching, improper folds, and similar defects is important to prevent jamming and waste of material.

Foreign competition is stiff in this area and automatic control of increasingly complex operations and shorter product runs is a continuing trend. Opportunities tend to be concentrated in relatively few urban areas and career progression is usually quite limited.

786. MACHINE SEWING, GARMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D WK COND	
			HRP SVP	123456 1234567
.885-010	BUTTONHOLE-MACHINE OPERATOR	GARMENT	-2P 3	L--4-6 I---5--
.885-014	CIRCULAR-STITCH OPERATOR	GARMENT	-2P 2	L--4-6 I------
.885-018	EMBROIDERY-MACHINE OPERATOR	GARMENT	-2P 2	L--4-6 I------
.885-022	EYELET-MACHINE OPERATOR	GARMENT	-2P 3	L--4-6 I---5--
.885-026	FASTENER-SEWING-MACHINE OPERAT	GARMENT	-2P 3	L--4-6 I---5--
.885-030	GIMP-BUTTONHOLE-MACHINE OPERAT	GARMENT	-2P 3	L--4-6 I---5--
.885-034	SEWING MACHINE OPERATOR SPECIA	GARMENT	-2P 3	L--4-6 I------
.885-038	SLIP-STITCH-MACHINE OPERATOR	GARMENT	-2P 3	L--4-6 I------
.885-042	TACKING-MACHINE OPERATOR	GARMENT	-2P 3	L--4-6 I------
.885-046	TAILORED-BUTTONHOLE-MACHINE OP	GARMENT	-2P 3	L--4-6 I---5--
.782-010	ARMHOLE RAISER	GARMENT	-2P 4	L--4-6 I---5--
.782-014	BELT MAKER	GARMENT	-2P 4	L--4-6 I---5--
.782-018	BINDER	GARMENT	-2P 4	L--4-6 I------

786. MACHINE SEWING, GARMENT (CONT.)

.782-030 FACOTING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-034 FAGOTING-MACHINE OPERATOR II	GARMENT	-2P	4	L--4-6	I---5--
.782-038 FELLER, MACHINE	GARMENT	-2P	4	L--4-6	I---5--
.782-042 FUR-JOINER OPERATOR	GARMENT	-2P	4	L--4-6	I------
.782-046 GATHERING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-050 HEMMER	GARMENT	-2P	4	L--4--	I------
.782-054 HEMSTITCHING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I------
.782-058 INSERTER	GARMENT	-2P	4	L--4-6	I---5--
.782-066 PATCHER	GARMENT	-2P	4	L--4-6	I------
.782-070 PIPING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I------
.782-074 PLEAT SEWER	GARMENT	-2P	4	L--4-6	I---5--
.782-078 SCALLOPER	GARMENT	-2P	4	L--4-6	I---5--
.782-082 SETTER, GARMENT PARTS	GARMENT	-2P	4	L--4-6	I------
.782-086 SEWING-MACHINE OPERATOR	RET TR	-2P	4	L--4-6	I------
.782-094 SHELL-STITCH-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-098 SHIRRING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-102 STRAP-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I------
.782-106 STRIP SEWER	GARMENT	-2P	4	L--4-6	I------
.782-110 TAPING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-114 TOP STITCHER	GARMENT	-2P	4	L--4-6	I------
.782-118 TUCKING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-122 TUFT-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I------
.782-126 ZIPPER SEWER	GARMENT	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-022 EDGER	GARMENT	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-026 ELASTIC ATTACHER	GARMENT	-2P	4	L--4-6	I------
.782-062 MATCH-UP SEWER	GARMENT	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-090 SEWING-MACHINE OPERATOR REGULA	GARMENT	-3P	4	L--4-6	I------

787. MACHINE SEWING, NONGARMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 EMBROIDERY-MACHINE-OPERATOR HE	ANY IND	-2P	2	L--4--	I------
.885-014 BRIM STITCHER	HAT / CAP	-2P	2	L--4-6	I------
.885-018 BUTTONHOLE-MACHINE OPERATOR	ANY IND	-2P	3	L--4-6	I---5--
.885-022 CORDEDGE-MACHINE OPERATOR	TRIM / STAMP	-2P	2	L--4--	I---5--
.885-026 EMBROIDERY-MACHINE OPERATOR	KNIT GOODS	-2P	2	L--4-6	I------
.885-030 FASTENER-SEWING-MACHINE OPERAT	ANY IND	-2P	3	L--4-6	I---5--
.885-034 FASTENER-SEWING-MACHINE OPERAT	NEEDLE PIN	-2P	2	L--4--	I------
.885-038 GANG OPERATOR	FABRIC PLAST	-2P	3	L--4-6	I------
.885-042 HEMMING-AND-TACKING-MACHINE OP	MATT / BEDSP	-2P	2	L--4--	I------

787. MACHINE SEWING, NONGARMENT (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		PHYS D	WK	COND	HRP	SVP	123456	1234567
.885-054	PLEATER	HOUSE FURN	-2P	3	L	-4-6	I	------
.885-058	QUILTING-MACHINE OPERATOR	HOUSE FURN M	-2P	2	L	-4-6	I	------
.885-066	RING ATTACHER	HOUSE FURN	-2P	3	L	-4-6	I	------
.885-070	SERGING-MACHINE OPERATOR AUTOM	ANY INO	-2P	3	L	-4-6	I	------
.885-082	SEWING-MACHINE OPERATOR SPECIA	ANY IND	-2P	3	L	-4-6	I	------
.885-090	SHEET CUTTER	TEX BAG	-2P	2	L	-4--	I	------
.885-094	SHIRRING-MACHINE OPERATOR, AUT	HOUSE FURN.	-2P	2	L	-4-6	I	------
.885-098	STRAP-MACHINE OPERATOR AUTOMAT	GARMENT HOUS	-2P	3	L	-4-6	I	------
.885-102	TACKER	ELEC EQUIP	-2P	2	L	-4-6	I	------
.885-106	TACKING-MACHINE OPERATOR	ANY IND	-2P	3	L	-4-6	I	---5--
.885-110	TRIMMING SEWER AUTOMATIC	TRIM / STAMP	-2P	3	L	-4-6	I	------
.885-114	TUFTING-MACHINE OPERATOR	CARPET / RUG	-2P	3	H	-4-6	I	------
.885-118	TUFTING-MACHINE OPERATOR	MATT / BEDSP	-2P	3	M	-4--	I	------
.782-010	ASBESTOS-CLOTH SEWER	ASBESTOS PRO	-2P	4	L	-4--	I	------
.782-018	BIAS-CLOTH RUFFLER	TEX PROD N E	-2P	4	L	-4-6	I	------
.782-022	BINDER	ANY IND	-2P	4	L	-4-6	I	------
.782-026	BINDING-END STITCHER	FIBER RUGS	-2P	4	L	-4-6	I	------
.782-030	BRIM STITCHER	HAT / CAP	-2P	4	L	-4-6	I	------
.782-034	BRIM-WELT-SEWING-MACHINE OPERA	HAT / CAP	-2P	4	L	-4-6	I	------
.782-038	BUCKRAM SEWER	HOUSE FURN.	-2P	4	L	-4-6	I	------
.782-042	CAP SIZER	HAT / CAP	-2P	4	L	-4-6	I	------
.782-050	CHIN-STRAP SEWER	HAT / CAP	-2P	4	L	-4-6	I	------
.782-054	CLAM MAKER	ARTIF FLOWER	-2P	4	L	-4-6	I	------
.782-058	CLOCK-MACHINE OPERATOR	HOSIERY	-2P	4	L	-4--	I	------
.782-062	CLOSER	GLOVE / MIT	-2P	4	L	-4-6	I	------
.782-070	CORE-COVERING SEWER	TEX PROD N E	-2P	4	L	-4-6	I	------
.782-078	DARNING-MACHINE OPERATOR	HOSIERY LAUN	-2P	4	S	-4--	I	--56-
.782-082	DOLL WIG MAKER	HAIRWORK	-2P	5	S	-4-6	I	------
.782-086	DRAPERY OPERATOR	RET TR	-2P	4	L	-4-6	I	------
.782-090	EDGER	GLOVE / MIT	-2P	4	L	-4-6	I	------
.782-094	ELASTIC SEWER	HOUSE FURN	-2P	4	L	-4-6	I	------
.782-098	EMBROIDERING-MACHINE OPERATOR	MORT GOODS	-2P	4	L	-4-6	I	------
.782-102	EMBROIDERY SEWER	TEXTILE	-2P	4	L	-4-6	I	------
.782-110	END-TO-END SEWER	NARROW FABIC	-2P	4	M	-34--	I	------
.782-122	FINGER-BUFF SEWER	TEX PROD N E	-2P	4	L	-4-6	I	------
.782-126	FINGERER	GLOVE / MIT	-2P	4	L	-4-6	I	------
.782-130	FLOWER-MACHINE OPERATOR	HOUSE FURN	-2P	4	L	-4-6	I	------
.782-134	FRINGER	HOUSE FURN	-2P	4	L	-4-6	I	------
.782-138	FUR-MACHINE OPERATOR	FUR GOODS HA	-2P	4	L	-4-6	I	------
.782-146	HANDLE SEWER	LEATHER PROD	-2P	4	L	-4-6	I	------
.782-150	HARNESS-MACHINE OPERATOR	LEATHER PROD	-2P	4	L	-4-6	I	------
.782-154	HEMMER	ANY IND	-2P	4	L	-4-6	I	------
.782-158	HEMSTITCHING-MACHINE OPERATOR	TEXTILE / ST	-2P	4	S	-4-6	I	------
.782-162	KNUCKLE-STRAP SEWER	GLOVE / MIT	-2P	4	L	-4-6	I	------
.782-166	LEATHER FITTER	HAT / CAP	-2P	4	L	-4-6	I	------
.782-170	MENDER	HOUSE FURN	-2P	4	L	-4-6	I	------
.782-174	MENDER	TRIM. / STAM	-2P	4	L	-4-6	I	------
.782-178	MENDER	CARPET / RUG	-2P	4	L	-4-6	I	------
.782-184	PALM-AND-BACK FORGER	GLOVE / MIT	-2P	4	L	-4-6	I	------
.782-186	PUFFING-MACHINE OPERATOR	ANY IND.	-2P	4	S	-4-6	I	------
.782-190	REEDING-MACHINE OPERATOR	HAT / CAP	-2P	4	L	-4-6	I	------

787. MACHINE SEWING, NONGARMENT (CONT.)

.782-194	ROLL-EDGE-MACHINE OPERATOR	MATT / BEDSP	-2P	4 M--4-6 I------
.782-198	RUFFLER	HOUSE FURN	-2P	4 L--4-6 I------
.782-200	RUFFLER	TRIM / STAMP	-2P	4 L--4-6 I------
.782-202	SAIL FINISHER MACHINE	CANVAS GOODS	-2P	4 L--4-6 I------
.782-218	SEAMER ELASTIC BAND	HOISERY	-2P	4 L--4-6 I------
.782-222	SEWING-MACHINE OPERATOR	AUTO MFG	-2P	4 L--4-6 I------
.782-226	SEWING-MACHINE OPERATOR	ELEC. EQUIP.	-2P	4 L--4-6 I------
.782-230	SEWING-MACHINE OPERATOR	EMBROID.	-2P	4 L--4-6 I---5--
.782-234	SEWING-MACHINE OPERATOR	FABRIC. PROD	-2P	4 L--4-6 I------
.782-238	SEWING-MACHINE OPERATOR	FELT GOODS	-2P	4 L--4-6 I------
.782-242	SEWING-MACHINE OPERATOR	FURN.	-2P	4 L--4-6 I------
.782-246	SEWING-MACHINE OPERATOR	HAT / CAP	-2P	4 L--4-6 I------
.782-250	SEWING-MACHINE OPERATOR	HOUSE FURN.	-2P	4 L--4-6 I------
.782-254	SEWING-MACHINE OPERATOR	LEATHER PROD	-2P	4 L--4-6 I------
.782-258	SEWING-MACHINE OPERATOR	MATT. / BEDS	-2P	4 L--4-6 I------
.782-262	SEWING-MACHINE OPERATOR	MORT. GOODS	-2P	4 L--4-6 I------
.782-266	SEWING-MACHINE OPERATOR	TEX. BAG	-2P	4 L--4-6 I------
.782-270	SEWING-MACHINE OPERATOR	TEX. PROD.,	-2P	4 L--4-6 I------
.782-274	SEWING-MACHINE OPERATOR	TEXTILE	-2P	4 L--4-6 I------
.782-278	SEWING-MACHINE OPERATOR	TOYS / GAMES	-2P	4 L--4-6 I------
.782-282	SEWING-MACHINE OPERATOR	TRIM. / STAM	-2P	4 L--4-6 I------
.782-286	SEWING-MACHINE OPERATOR	CANVAS GIP	-2P	4 L--4-6 I------
.782-302	SHIRRING-MACHINE OPERATOR	HAT / CAP	-2P	4 L--4-6 I------
.782-306	SLIP-COVER SEWER	HOUSE FURN	-2P	4 L--4-6 I------
.782-310	SPLICING-MACHINE OPERATOR	TEXTILE	-2P	4 L--4-- I------
.782-322	TACKER	TEXTILE	-2P	4 M--4-- I------
.782-326	TACKER ELASTIC BAND	HOSIERY	-2P	4 L--4-6 I------
.782-330	TAPE-EDGE-MACHINE OPERATOR	MATT / BEDSP	-2P	4 M--4-6 I------
.782-334	TAPING-MACHINE OPERATOR	CARPET / RUG	-2P	4 L--4-6 I------
.782-338	THUMB SEWER	GLOVE / MIT	-2P	4 L--4-6 I------
.782-342	TOE SEWER	HOSIERY	-2P	4 L--4-6 I------
.782-346	TOP SEWER	HOSIERY	-2P	4 L--4-6 I------
.782-350	TOP STITCHER	HAT / CAP	-2P	4 L--4-6 I------
.782-354	TRUSS MAKER	SURGICAL APP	-2P	4 L--4-6 I------
.782-358	TUCKING-MACHINE OPERATOR	HAT / CAP	-2P	4 L--4-6 I------
.782-362	TUFT-MACHINE OPERATOR	CARPET / RUG	-2P	4 L--4-6 I------
.782-366	UMBRELLA SEWER	UMBRELLA	-2P	4 L--4-6 I------
.782-370	WINDOW-SHADE-CLOTH SEWER	WINDOW SHADE	-2P	4 L--4-6 I------
.782-374	WIRE-MACHINE OPERATOR	HAT / CAP	-2P	4 L--4-6 I------
.782-378	WIRE-STITCHING-MACHINE-OPERATO	BUTTON	-2P	4 L--4-- I------
.782-382	WRIST CLOSER	GLOVE / MIT	-2P	4 L--4-6 I------
.782-386	WRISTER	GLOVE / MIT	-2P	4 L--4-6 I------
.782-390	ZIPPER SETTER	FURN HOUSE F	-2P	4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-066	CLOSER	TOYS / GAMES	-2P	4 L--4-6 I------
.782-214	SEAMER	HOSIERY	-2P	4 L--4-6 I------

787. MACHINE SEWING, NONGARMENT (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

				PHYS.D	WK COND
			HRP	SVP	123456 1234567
.885-010	BAG-MAKING-MACHINE TENDER	TEX BAG	-3P	2	L--4-- I---5--
.885-046	NEEDLE-CONTROL CHENILLER	HOUSE FURN	-2P	3	H--4-6 I------
.885-062	QUILTING-MACHINE OPERATOR	GLOVE / MIT	-3P	4	M-34-6 I------
.885-074	SEWER-AND-CUTTER FINGER-BUFF M	TEX PROD N E	-2P	2	L--4-6 I------
.885-086	SEWING-MACHINE OPERATOR ZIPPER	NEEDLE PIN	-3P	2	L--4-6 I------
.782-014	BAG-AND-SACK SEWER	TEX. BAG	-2P	4	L--4-6 I------
.782-074	CUSHION CLOSER	FURN HOUSE F	-2P	4	L--4-6 I------
.782-114	EXAMINER MENDER	TEX PROD N E	-2P	4	L--4-6 I------
.782-118	FILTER-CLOTH MAKER	TEX PROD N E	-2P	4	L--4-6 I------
.782-142	GLOVE SEWER	GLOVE / MIT	-2P	4	L--4-6 I------
.782-182	MENDER	EMBROID	-2P	4	S--4-6 I------
.782-206	SAMPLE MENDER	EMBROID	-2P	5	S--456 I------
.782-314	STITCHER	RUBBER GOODS	-2P	4	L--4-6 I---5--
.782-318	STRAW-HAT-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-050	PILLOWCASE SEWER AUTOMATIC	TEXTILE	-3P	4	L--4-- I------
.782-098	EMBROIDERY-MACHINE OPERATOR	ANY IND.	-3P	4	S--4-6 I-- --
.782-210	SAMPLE PROCESSOR	FIBER RUGS	-2P	5	L--4-6 I------
.782-290	SEWING-MACHINE OPERATOR ALL AR	ANY IND	H3P	5	L--4-6 I------
.782-294	SEWING-MACHINE OPERATOR REGULA	ANY IND	-3P	4	L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-078	SEWING-MACHINE OPERATOR AUTOMA	ANY IND	-3P	2	H--4-- I------

BENCH WORK NOT ELSEWHERE CLASSIFIED (790.-799.)

Occupations in this area are concerned primarily with the preparation of food and tobacco products and the fabrication of paper products.

Almost half of these occupations make minimum cognitive demands and another 40 percent demand only perceptual processing. Perceptual processing demands derive largely from the inspection of products for firmness, uniformity of texture, and similar characteristics. A large number of the occupations in paper goods have a requirement for dealing with the relationships between planes and solid objects--as would be applicable to folding, assembling, and fitting together cardboard blanks to form cartons. Verbal communication is the principal source of language demands with occasional demands for the completion of simple production records. Mathematics demands are generally limited to weighing and verifying product dimensions.

Many of the occupations in this area demand manual dexterity in performing with speed and accuracy, as in turning over and creasing the free ends of paper rolls as they emerge from a machine.

There are continuing trends toward automation, but machine tending and incidental responsibilities remain. Career progression tends to be quite limited.

790. PREPARATION OF FOOD, TOBACCO, AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP	SVP	123456 1234567
.887-010 CANDY CUTTER HAND	CONFECTION	-1-	2	L--4--	I------
.887-014 CHICKEN CUTTER	SLAUGHT / ME	-2P	2	L--4--	I--4-6-
.887-018 MOLD PRESSER	TOBACCO	-2P	2	M--4--	I------
.887-022 PLUG TAGGER	TOBACCO	-1-	2	L--4--	I------
.887-034 TABLE HAND	TOBACCO	-1-	2	L--4--	I------
.887-038 TWISTER HAND	TOBACCO	-2P	2	L--4--	I------
.884-010 BUNCH MAKER HAND	TOBACCO	-2P	2	S--4--	I------
.884-014 CIGAR MAKER	TOBACCO	-2P	5	L--4-6	I------
.884-018 GUM PACKER	TOBACCO	-2P	2	H--4--	I------
.884-026 ROLLER HAND	TOBACCO	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-030 ROLLER HAND	TOBACCO	-2P	2	S--4-6	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026 REJECT OPENER	TOBACCO	-2-	2	L--4--	I------
.884-022 PATCH WORKER	TOBACCO	-2P	3	L--4-6	I------
.687-010 CATCHER FILTER TIP	TOBACCO	-2-	2	L--4-6	I------
.687-018 CIGAR PACKER	TOBACCO	-2-	3	L--4--	I------

PHYS.D WK COND
HRP SVP 123456 1234567

790. PREPARATION OF FOOD, TOBACCO, AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.687-022 CIGARETTE-MAKING-MACHINE CATCH	TOBACCO	-3-	2	S--4-6	I------
.687-030 FRESH-WORK INSPECTOR	TOBACCO	-2-	3	L--4-6	I------
.687-034 INSPECTOR	CONFECTION	-2-	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 BOTTLE GAGER	DISTILLED LI	-3-	3	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.688-010 LUMP INSPECTOR	TOBACCO	-2-	3	L--4-6	I------
.687-014 CIGAR INSPECTOR	TOBACCO	-3-	3	L--4-6	I------
.687-026 CIGARETTE-PACKAGE EXAMINER	TOBACCO	-3-	3	L--4--	I------
.587-014 CIGARETTE INSPECTOR	TOBACCO	-3-	3	L--4-6	I---5--

794. FABRICATION OF PAPER PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-022 BAG STRINGER	PAPER GOODS	-1P	1	L--4--	I------
.887-034 CARDBOARD CUTTER	MIRROR / PIC	-1P	2	L--4--	I---5--
.887-038 COLOR-CARD MAKER	PAINT / VARN	-2P	2	L--4--	I------
.887-050 FRILL MAKER	PAPER GOODS	-1P	1	L--4--	I------
.887-054 GARMENT-TAG STRINGER	PAPER GOODS	-1P	2	L--4--	I------
.887-058 GLUER AND SLICER HAND	PAPER GOODS	-2P	2	M--4--	I------
.887-062 LAPPER	WALLPAPER	-1-	1	L--4--	I------
.887-066 PAPER-CONE MAKER	ELECTRONICS	-1P	2	L--4--	I------
.887-070 PAPER-PATTERN FOLDER	PAPER GOODS	-1-	1	L--4--	I------
.887-078 PUNCHBOARD ASSEMBLER	PAPER GOODS	-2P	1	L--4--	I------
.887-080 PUNCHBOARD ASSEMBLER II	PAPER GO	-1-	1	L--4--	I------
.887-082 SCRAPPER	PAPER GOODS	-3P	2	M--4--	I---5--
.887-086 STRINGER	PAPER GOODS	-1-	1	L--4--	I------
.887-090 TABBER	PAPER GOODS	-1-	1	L--4--	I------
.887-094 TRIMMER HAND	PAPER GOODS	-2P	1	L--4--	I------
.687-010 COUNTER HAND	PAPER GOODS	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER GREETING CARD	PRINT / PUB	-2P	2	L--4--	I---5--
.887-014 ASSEMBLER HAND	PAPER GOODS	-3P	2	L--4--	I------
.887-018 BAG MAKER HAND	PAPER GOODS	-2P	2	S--4--	I------
.887-026 BARRIER MATERIAL ASSEMBLER	PAPER GOODS	-3P	2	M--4--	I------
.887-030 BOX COVERER HAND	PAPER GOODS	-2P	2	S--4--	I------
.887-042 FOLDER HAND	PAPER GOODS	-2P	3	L--4--	I------
.887-046 FORWARDER	PRINT / PUB	-2P	3	L--4--	I------
.887-074 PATTERN RULER	TRIM / STAMP	-1P	2	L--4--	I------
.884-010 BAG REPAIRER	PAPER GOODS	-2P	3	L--4-6	I---5--
.884-018 EDGE STRIPPER	PAPER GOODS	-2P	4	S--4-6	I------
.884-022 EXPANSION ENVELOPE MAKER HAND	PAPER GOODS	-2P	2	L--4-6	I------

794. FABRICATION OF PAPER PRODUCTS, N.E.C. (CONT.)

			PHYS.D	WK COND
			HRP SVP	123456 1234567
.884-026	FIBER-BOX REPAIRER	TOBACCO	-2P 2	H--4-- I------
.884-030	PAPER-NOVELTY MAKER	PAPER GOODS	-2P 2	L--4-- I------
.884-034	PAPER MACHE MOLDER	MODEL / PATT	-3P 5	M--4-- I------
.884-038	SAMPLE MAKER HAND	PAPER GOODS	-2P 3	S--4-6 I------

Language	Mathematics	Perceptual Process ng
MINIMUM	MODERATE	MODERATE

.884-014	BOX MAKER PAPERBOARD	ANY IND	-3P 2	M--4-- I------

(8.) STRUCTURAL WORK OCCUPATIONS

(8.) STRUCTURAL WORK OCCUPATIONS

METAL FABRICATING NOT ELSEWHERE CLASSIFIED (800.-809.)

Occupations in this area are concerned with fabricating, erecting, or repairing structural units made of metal, plastic, or fiberglass. Structural units include building frames and ornamental metalwork, bridges, trestles, marine craft and structures, vehicle bodies, airframes, boilers, storage tanks, drilling rigs, towers, prefabricated door castings, window frames, and air ducts.

Occupations in this area demand all eight of the combinations of cognitive capabilities. More than 40 percent of the occupations make minimum cognitive demands; nearly 20 percent demand all three types; and about 15 percent demand only perceptual processing. Perceptual processing demands derive from activities such as determining the position and relationships of parts through the use of blueprints and drawings; cutting and forming turns and bends in sheet metal ducts; constructing jigs and holding fixtures; and laying out templates to verify the size and shape of objects. Language demands vary from almost exclusively verbal communication on assembly lines to heavy use of written specifications on custom work. Writing demands may include ordering parts, maintaining production records, and making notes of difficulties encountered on a project. Mathematical demands tend to be concentrated on the physical measurements of parts and completed assemblies to verify conformance to standards. However, a number of the occupations require computation of dimensions and the use of geometric concepts and shop mathematics to compute angular measurements, to convert scale values, and to confirm precision measurements with dial gauges, micrometers, and machinist scales.

Psychomotor skill is commonly required for dexterity in the use of hand tools and fasteners. Mechanical knowledge can be an asset in minor equipment maintenance and using fastening systems.

Opportunities are relatively numerous and widespread, but competition for craft and construction occupations is typically severe and entry is frequently only through an apprentice program. Opportunities for a skilled person to progress to first-line supervision are relatively good.

PHYS.D WK CQND
HRP SVP 123456 1234567

800. RIVETING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUCKER-UP	ANY IND	-1-	3	M-----	B---56-
.887-014 RIVETER HELPER	ANY IND	-2P	2	H--4--	I---56-
.884-010 RIVET CATCHER	ANY IND	-2P	4	L234-6	I---56-
.884-014 RIVETER AIRCRAFT	AIRCRAFT MFG	-3P	3	M-34--	I---5--

PHYS.D WK COND
HRP SVP 123456 1234567

800. RIVETING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-018 RIVETER PNEUMATIC — ANY IND -2P 4 M234-- B---56-
.782-014 RIVETER PORTABLE PINCH — ANY IND -2P 4 M--4-- I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 RIVETER HYDRAULIC — ANY IND -2P 5 L2-4-6 I---5--

801. FITTING, BOLTING, SCREWING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FITTER HELPER — ANY IND -3P 3 H2345- I---567
.887-018 INTERNAL-COMBUSTION-ENGINE ASS — ENGINE / TUR -2- 2 H-34-- I---5--
.887-022 LABORER CORRUGATED-IRON-CULVER — CONST -2- 2 M-34-- O------
.887-026 STRUCTURAL-STEEL-WORKER HELPER — CONST -2- 2 H234-6 O---56-
.884-030 LINER REPLACER — MINING / QUA -2P 3 M--4-- I---5--
.884-034 PATTERN GATER — FOUND -2P 4 M--4-6 I------
.884-042 PROGRESSIVE ASSEMBLER AND FITT — AGRIC EQUIP -2P 2 M-34-- I------
.884-054 WIRE-MESH-GATE ASSEMBLER — WIREWORK -3P 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 CASE ASSEMBLER — AGRIC EQUIP -3- 3 M--45- I------
.884-038 PLAYGROUND-EQUIPMENT ERECTOR — CONST RET TR -3- 3 H234-- B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-022 CRADLE PLACER — CONST -2P 3 H234-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-014 FRAME ASSEMBLER — MACH MFG -2- 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ASSEMBLER — LIGHT HEAT -3- 3 M-34-- O------
.884-026 JIG FITTER — MACH MFG -3P 5 M-34-- I----6-
.884-050 ROLL BUILDER — IRON / STEEL -3P 5 M2-4-- I---56-

804. SHEET METAL WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 METAL-FABRICATING-SHOP HELPER — ANY IND -3P 2 H-34-- I---56-
.884-014 CUTTER ALUMINUM SHEET — SHIP / BOAT -2P 2 M--4-- I---5--
.884-018 DUCT INSTALLER — CONST -2P 4 H--4-- I------
.884-022 EXTRUSION BENDER — SHIP / BOAT -3P 2 L-34-- I------
.884-030 ROUTER OPERATOR PORTABLE — AIRCRAFT MFG -2P 4 L--4-- I---5--

804. SHEET METAL WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 HOOD MAKER — CANVAS GOODS -3P 5 M-34-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ASSEMBLER UNIT — STRUCT / ORN -3P 3 M-34-6 I----6-

805. BOILERMAKING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOILERMAKER HELPER — BOILERMAKING -3- 2 H2345- B---56-
.885-010 BOILERMAKER HELPER — BOILERMAKING -3P 4 H234-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 BOILERMAKER MECHANIC — BOILERMAKING -3P 5 M234-- B---5--

806. TRANSPORTATION EQUIPMENT ASSEMBLING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER AUTOMOBILE — AUTO MFG -3- 2 M--4-- I------
.887-018 MOTOR TEST HELPER — AUTO MFG -3P 2 M-34-- I---56-
.887-026 SHIPFITTER HELPER — SHIP / BOAT -3- 5 H234-- B---56-
.887-030 UPHOLSTERER — AIRCRAFT MFG -3P 5 M-34-- I------
.887-034 WHEEL ASSEMBLER — TRANS EQUIP -2- 2 M-34-- B------
.885-014 TUBING OILER — AIRCRAFT MFG -3P 3 M--4-- I---5--
.884-018 ASSEMBLER SOFT TOP — AUTO MFG -2P 2 M--4-- I------
.884-038 CABINET ASSEMBLER — TRANS EQUIP -2P 2 M--4-- I------
.884-042 CAR TRIMMER — LOCO / CAR B -2P 3 L234-- I----6-
.884-046 DOOR ASSEMBLER — TRANS EQUIP -3P 3 M--4-- I------
.884-062 HEADLINER INSTALLER — AUTO MFG -2P 2 L--4-- I------
.884-106 RIGGER HELPER — SHIP / BOAT -2P 3 H-34--, O------
.883-010 ASSEMBLY-INSPECTOR HELPER — AGRIC EQUIP -3P 3 L--45- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 REPAIRER, GENERAL — AUTO MFG -2- 4 M--4-- I------
.884-114 TRUCK-ASSEMBLY-MECHANIC HELPER — ORDNANCE -3- 3 M-34-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-034 BOAT RIGGER — RET TR -3P 4 M--4-- B------

806. TRANSPORTATION EQUIPMENT ASSEMBLING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

			HRP	SVP	PHYS.D WK COND 123456 1234567
.887-014	INSPECTOR BICYCLE	MOTOR / BICY	-2-	2	L----6 I------
.885-010	CABLE STRETCHER	AIRCRAFT MFG	-3-	4	L--4-- I---5--
.884-026	AUTOMOBILE-DOOR-PANEL ASSEMBLE	AUTO MFG	-3P	2	L--4-- I-----7
.884-050	FITTER AND ADJUSTER	AUTO MFG	-2P	2	M--4-- I------
.884-054	FLATCAR WHACKER	SAWMILL	-2-	4	L--4-6 O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014	ASSEMBLER ROCKET ENGINES	AIRCRAFT MFG	-3-	4	M--4-- I------
.884-022	AUTOMOBILE-ACCESSORIES INSTALL	AUTO SER	-3P	4	M-34-- I------
.884-082	MOTORCYCLE ASSEMBLER	MOTOR / BICY	-3P	5	H-34-- I------
.884-094	PRESSURE SEALER-AND-TESTER	AIRCRAFT MFG	-3P	3	L-34-- I-----7
.884-102	RAILROAD-CAR-TRUCK BUILDER	LOCO / CAR B	-3P	3	H-34-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-066	HONEYCOMB-BLANKET MAKER	AIRCRAFT MFG	-3P	5	M--4-- I------
.884-074	METAL HANGER	TRANS EQUIP	-3P	2	H-34-- I------
.884-122	WHEELWRIGHT	ANY IND	-3P	5	M--4-- B------
.687-014	FINAL INSPECTOR	AUTO MFG	-3-	2	L--4-6 I------
.687-018	OUTBOARD-MOTOR INSPECTOR	ENGINE / TUR	-3-	4	L--456 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-030	BOAT OUTFITTER	SHIP / BOAT	-3P	4	M-34-- I------
.884-058	FRAMER	TRANS EQUIP	-3P	4	M--4-- I------
.884-070	MECHANICAL ASSEMBLER	AUTO MFG	-2P	4	M-34-- I------
.884-086	MOTORCYCLE SUBASSEMBLER	MOTOR / BICY	-3P	5	H-345- I------
.884-090	OVERLAY PLASTICIAN	SHIP / BOAT	-3P	4	H-34-- O-----7
.884-098	PUMP INSTALLER-AND-TESTER	AUTO MFG	-3-	4	L-345- B------
.884-110	STRAPPER	SHIP / BOAT	-3P	5	L2-4-- B------
.884-118	UTILITY WORKER	TRANS EQUIP	-3P	4	M-34-- I------
.782-010	METAL-BONDING PRESS OPERATOR	AIRCRAFT MFG	-3-	5	M--4-- I------
.687-010	CHASSIS INSPECTOR	AUTO MFG	-3-	2	L--4-6 I------
.684-010	TRANSMISSION TESTER	AUTO MFG	-3P	4	L--45- I------
.384-014	PROCUREMENT INSPECTOR	AIRCRAFT MFG	-3-	5	L-34-6 I------
.382-010	DIFFERENTIAL TESTER	AUTO MFG	-3-	4	L--456 I------
.382-014	HYPOID-GEAR TESTER	AUTO MFG	-3-	4	L--456 I------
.368-010	UTILITY WORKER, LINE ASSEMBLY	AUTO MFG	H3-	4	M--4-- I------

807. BODY WORK, TRANSPORTATION EQUIPMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	STREETCAR-REPAIRER HELPER	LOCO / CAR B	-2P	3	H234-- B------
.884-014	ASSEMBLER, DECK AND HULL	SHIP / BOAT	-3P	3	H-34-- I---5--
.884-026	BURNISHER AND BUMPER	AIRCRAFT MFG	-2P	3	L--4-- I------
.884-030	FLOOR SERVICE WORKER, SPRING	AUTO SER	-2-	4	H--4-- O------

807. BODY WORK, TRANSPORTATION EQUIPMENT (CONT.)

.884-038 INSTALLER SOFT TOP — AUTO MFG -3P 2 M--4-- I------
.884-042 MECHANICAL ASSEMBLER PANELING — AUTO MFG -2P 3 M-34-- I------
.884-054 SOLDERER TORCH — AUTO MFG -2P 3 L--4-- I------
.884-058 VANE-STRIP INSTALLER — AIRCRAFT MFG -2P 5 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-050 MUFFLER INSTALLER — AUTO SER -2P 4 M-34-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 AUTOMOBILE-BODY-REPAIRER HELPE — AUTO SER -2P 2 M-34-- I---5--
.884-018 AUTOMOBILE-BUMPER STRAIGHTENER — AUTO SER -2P 3 H-34-6 I------
.884-034 FRAME STRAIGHTENER — MOTOR / BICY -2P 5 H--4-- I------
.587-010 WATER-TEST RIDER — AUTO MFG -1- 2 S----6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010 INSPECTOR SHIPPING — AGRIC EQUIP -3- 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022 BOAT PATCHER PLASTIC — SHIP / BOAT -3P 4 M-34-- O---5-7
.884-046 FIBER-GLASS LAMKINATOR — SHIP / BOAT -3P 4 M-34-- I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ASSEMBLER SUBASSEMBLY — AIRCRAFT MFG -3P 5 M--4-- I------

809. MISCELLANEOUS METAL FABRICATING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 HULL AND DECK REMOVER — SHIP / BOAT -2- 3 H-34-- I------
.887-018 LABORER SHIPYARD — SHIP / BOAT -2- 1 H-34-- O------
.887-022 LABORER STEEL HANDLING — CONST -2- 2 V-34-- O------
.887-026 MOLD PREPARER — SHIP / BOAT -2- 2 L-34-- I------
.887-030 ORNAMENTAL-IRON WORKER HELPER — CONST -2P 3 H234-- B------
.887-034 TANK-SETTER HELPER — PETROL PROD -2- 2 M234-- O---6-
.887-038 WIRE BENDER — MATT / BEDSP -2P 3 M-34-- I------
.884-014 ASSEMBLER PRODUCTION LINE — STRUCT / ORN -3P 3 M-34-- I---5--
.884-022 CASKET ASSEMBLER METAL — MORT GOODS -3P 4 M-34-6 I------
.884-034 DRILLER HAND — ANY IND -2P 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-042 INSULATION-BLANKET MAKER — AIRCRAFT MFG -3P 3 L--4-- I------

PHYS.D WK COND
HRP SVP 123456 1234567

809. MISCELLANEOUS METAL FABRICATING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	HELPER MANUFACTURING	AIRCRAFT MFG	-3P	3	L-34--	I---5--
.884-010	ALINENENT-ASSEMBLER-AND REPAIR	BAL / SCALES	-3P	3	M--4--	I----6-
.884-018	AWNING-FRAME MAKER	CANVAS GOODS	-3P	4	M-34--	I------
.884-026	REPAIRER, FINISHED METAL	ANY IND	-2P	5	H--4-6	I------
.884-030	DRILLER	LOCO / CAR B	-2P	4	H-34--	B---5--
.884-038	GRINDER-CHIPPER	ANY IND	-2P	3	H234--	I---567
.687-010	INSPECTOR	FURN	-3-	3	L----6	I---5--
.687-014	INSPECTOR AND TESTER	STRUCT / ORN	-3-	3	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-046	TEMPLATE MAKER TRACK	ANY IND	-3P	3	L--4-6	I----6-
.781-010	LAY-OUT WORKER II	ANY IND	-2P	5	M-34-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.381-010	FABRICATOR-ASSEMBLER METAL PRO	ANY IND	-3P	5	M-34-6	I---567

WELDING, FLAME CUTTING, AND RELATED WORK (810.-819.)

Occupations in this area are concerned with the use of equipment such as arc welders, gas-shielded arc welders, tungsten-inert-gas welders, oxy-acetylene welders, arc welding machines, resistance welders, spot welders, flame cutting torches, arc cutting units, flame brazing machines, and soldering guns and irons.

More than one-third of these occupations make minimum demands for cognitive capabilities and almost as many make moderate demands of all three types. Language demands differ markedly between the routine production welding associated with the fabrication of mass produced items and the highly variable context of custom fabrication and repair. Oral communication is generally sufficient to learn and carry out repetitive tasks of mass production, but an extensive array of technical information must be dealt with in many of the other welding occupations. Mathematics demands derive primarily from setting controls to appropriate values and adjusting stops and feed mechanisms to accommodate specific materials. Some occupations require the application of geometry and shop mathematics to calculate angles, layout contours, and dimensions of parts. Perceptual processing demands derive from activities such as visualizing the relationship of component parts to the finished structure, interpreting blueprints and drawings, estimating the offset necessary to control contraction along a seam, judging the penetration and strength of welds, and identifying alloys from appearance and performance.

Coordination in the control of welding equipment is important to most occupations in this area. Knowledge of fundamental electrical and chemical principles is important to occupational safety.

Only 27 occupational titles are listed in this handbook for this area, but the number of jobs under each title tends to be very large and the opportunities widely distributed. Entry requires careful training. In mass production settings there is a possibility of progressing to inspection positions. A qualified welder also has the possibility of establishing an independent business, but this entails capital investment, customer relations, and bookkeeping considerations.

810. ARC WELDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP SVP	123456	1234567
.884-030 WELDER GUN	WELDING	-2P	2	M-34--	I---56-
.782-010 BRAZER RESISTANCE	WELDING	-2-	4	H--4-6	I----6-
.782-014 WELDER BUTT	WELDING	-3P	4	L--4--	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-018 WELDER SEAM	WELDING	-3-	4	H-34-6	I---56-

PHYS.D WK COND
HRP SVP 123456 1234567

810. ARC WELDING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-038 WELDER TACK — WELDING — -2P 5 H-34-6 B---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-022 WELDER SPOT — WELDING — -3P 4 H--4-6 I----6-

812. COMBINATION ARC AND GAS WELDING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 WELDER PRODUCTION LINE — WELDING — -3P 2 M--4-- I----67

813. RESISTANCE WELDING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 WELDER RESISTANCE MACHINE — WELDING — -3P 2 H--4-- I---56-

814. BRAZING, BRAZE-WELDING, AND SOLDERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BRAZER INDUCTION — WELDING — -2P 2 L--4-6 I----6-
.885-018 SOLDERING-MACHINE OPERATOR — JEWELRY — -2P 3 S--4-- I------
.884-010 BRAZER CRAWLER TORCH — WELDING — -2P 5 M-34-6 I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 BRAZING-MACHINE OPERATOR — WELDING — -2- 3 M--4-6 I--4-67
.884-026 SOLDERER PRODUCTION LINE — WELDING — -2P 2 L--4-6 I----67
.884-030 SOLDERER-DIPPER — WELDING — -2P 2 L--4-6 I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 BRAZER REPAIR AND SALVAGE — WELDING — -3P 4 M-34-6 I----67
.884-018 BRAZER-ASSEMBLER — WELDING — -3P 5 M-34-6 I----67
.884-022 SOLDERER BARREL RIBS — FIREARMS — -3P 4 L--4-- I-34-67
.782-010 BRAZER CONTROLLED ATMOSPHERIC — WELDING — -3P 4 M-34-6 I-3--6-
.782-014 BRAZER FURNACE — WELDING — -3P 4 M--4-6 I-3--6-
.782-018 BRAZER INDUCTION — WELDING — -3P 5 M--4-6 I----67

815. LEAD BURNING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-010 LEAD-BURNER MACHINE — ELEC EQUIP -3- 4 L--4-6 I---5--

816. FLAME AND ARC CUTTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.782-010 FLAME-CUTTING TRACER-MACHINE O — WELDING -2- 5 M-34-6 I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-018 FLAME CUTTER HAND — WELDING -3P 2 H234-6 B---567

819. WELDING, FLAME CUTTING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WELDER HELPER — WELDING -3P 2 H-345- B---567
.886-010 MACHINE FEEDER — WELDING -2P 2 L-34-- I-3-567
.884-010 PIPE BUFFER — CONST -1- 2 M-34-- O---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014 MACHINE HELPER — WELDING -3P 2 H-34-- I---567

ELECTRICAL ASSEMBLING, INSTALLING, AND REPAIRING (820.-829.)

Occupations in this area are concerned with the custom assembly and field installation of electrical equipment and related structures for power generation and distribution, communications, process control, fire control, data processing, heating, air conditioning, refrigeration, illumination, and related applications.

Nearly 40 percent of the occupations in this area make minimum cognitive demands; another quarter of them make demands of all three types; and another substantial number demand a combination of language and mathematics. Language demands derive from activities such as verbal communication and the interpretation of product and installation specifications. Mathematics demands derive from activities such as measurement of structural components and fittings and interpretation of test instruments. Perceptual processing demands derive from activities such as arranging components in three dimensions and in interpreting the spatial relationships of components from illustrations and diagrams.

Psychomotor skills are frequently required for the manipulation of hand tools, small parts, and wiring. Mechanical skills are an asset to many of the occupations where innovative approaches must be used for the installation of electrical structures. A fundamental knowledge of electricity is mandatory for many occupations to prevent violation of safety procedures when working around electrical power and to detect and correct malfunctions in electrical units or circuits.

Opportunities are relatively numerous and widespread and prospects for career progression are good, but competition for these jobs tends to be severe and the training requirements rigorous.

PHYS.D WK COND
HRP SVP 123456 1234567

821. TRANSMISSION LINE AND CIRCUIT ASSEMBLY, INSTALLATION, AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GROUND HELPER — LIGHT HEAT -2P 2 .H--456 O------
.887-014 HELPER ELECTRICAL — LIGHT HEAT -2P 3 H234-- B------
.887-022 STONE UNLOADER — CONST -1- 1 V-34-- .O----6-
.884-018 WIRER, STREETLIGHT — LIGHT HEAT -3- 3 L-34--.O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 STEEL-POST-INSTALLER. — LIGHT HEAT -2P 3 M--4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 ELECTRIC-METER INSTALLER — LIGHT HEAT -3- 4 L2-4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 LABORATORY HELPER — LIGHT HEAT -2P 3 M-3456 B------

824. MATERIALS HANDLING EQUIPMENT ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.781-010 THIRD RAIL INSTALLER RR TRANS -3P 5 M-34-6 B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.381-014 AUTOMATIC-WINDOW-SEAT-AND-TOP- AUTO SER -3- 4 L--4-- I------

826. INDUSTRIAL APPARATUS ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-026 POT BUILDER CHEM -3P 4 H--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-030 RESISTOR ASSEMBLER ELEC EQUIP -3P 4 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 ANODE BUILDER CHEM -3P 4 H-34-- I-3---7
.884-018 CELL REPAIRER CHEM -3- 5 H-34-- I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 CELL CHANGER CHEM -3- 5 H234-- I-3---7

827. COMMERCIAL AND INDUSTRIAL EQUIPMENT ASSEMBLY, INSTALLATION, AND REPA

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ELECTRICAL-APPLIANCE-SERVICER ANY IND -3- 2 H--4-- I------
.887-014 DEFROSTER ANY IND -1- 1 H--4-6 I2-----
.884-014 AIR-CONDITIONING-UNIT INSTALLE REFRIGERAT E -2- 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-018 ASSEMBLER COOLERS REFRIGERAT E -2- 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 GAS CHARGER REFRIGERAT E -2P 2 M--4-- I------
.884-026 AUTOMOBILE AIR-CONDITIONER AS REFRIGERAT E -2- 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 AIR-CONDITIONING INSTALLER DOM ANY IND -3P 4 H2-456 B------
.884-030 ELECTRICAL-APPLIANCE PREPARER ANY IND -3P 3 H-34-- I------

PHYS.D WK COND
HRP SVP 123456 1234567

822. WIRE COMMUNICATION, EQUIPMENT ASSEMBLY, INSTALLATION, AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-030 SIGNAL MAINTAINER HELPER — R R TRANS — -2- 3 H-34-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CABLE INSTALLER — TEL / TEL — -3P 5 H234-- B----67
.884-018 PLANT WIRER — TEL / TEL — -3P 5 M23456 B----6-
.884-022 PROTECTIVE-SIGNAL-INSTALLER HE — BUS SER — -3P 5 M23456 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 FRAME WIRER — TEL / TEL — -3P 4 M23456 I------
.381-010 CABLE REPAIRER — TEL / TEL — -3P 5 L-34-6 I------

823. ELECTTRONIC COMMUNICATION, EQUIPMENT ASSEMBLY, INSTALLATION, AND REP

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 RADIO-MECHANIC HELPER — ANY IND — -3- 3 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ANTENNA INSTALLER — ANY IND — -3- 4 M234-- O----6-

824. LIGHTING EQUIPMENT AND WIRING ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-022 STREET-LIGHT REPAIRER HELPER — LIGHT HEAT — -2- 3 M--4-- O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 MOTOR-VEHICLE-LIGHT ASSEMBLER — LIGHT FIX — -2- 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 NEON TUBE PUMPER — SIGNS — -3P 5 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.683-010 NIGHT-PATROL INSPECTOR — SIGNS — -2P 2 L--4-6 O------

825. MATERIALS HANDLING EQUIPMENT ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 ELEVATOR-CONSTRUCTOR HELPER — CONST — -2P 3 H234-- I----6-

827. COMMERCIAL AND INDUSTRIAL EQUIPMENT ASSEMBLY, INSTALLATION, AND REPAIR (CONT.)

.584-010 GAS-LEAK TESTER	REFRIGERAT E	-3-	2	L--456	I------
.387-010 REFRIGERATOR TESTER	REFRIGERAT E	-3-	5	L--4-6.	I------

829. ASSEMBLY, INSTALLATION, AND REPAIR OF ELECTRICAL PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CABLE-SPLICER HELPER	CONST LIGHT	-2P	3	M234-6	B----6-
.887-014 ELECTRICIAN HELPER	ANY IND	-3P	3	M234--	I----6-
.884-010 CABLE PULLER	CONST LIGHT	-1-	4	H234--	B------
.884-014 ELECTRICIAN HELPER	SHIP / BOAT	-3P	5	M234--	I----6-
.884-018 ELEVATOR-REPAIRER HELPER	ANY IND	-2-	3	H234--	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.684-010 BATTERY INSPECTOR	LOCO / CAR B	-3P	4	L--4--	I------

PAINTING, PLASTERING, CEMENTING, AND RELATED OCCUPATIONS (840.-849.)

Occupations in this area are concerned with the application of paint, plaster, waterproofing compounds, cement, paper and fabric coverings, caulking, and similar materials to surfaces and to objects. Pouring and finishing of concrete and similar materials for small-scale and highly variable projects are included in this area; large-scale and routine paving work is included under groups 850.-859.

About two-thirds of the occupations in this area make minimum cognitive demands, and a substantial proportion of the remainder demand only perceptual processing. Perceptual processing demands derive from activities such as blending ingredients to match the color of a sample, forming and smoothing surfaces, shaping reinforcements, and erecting scaffolds. Language demands derive almost exclusively from verbal communications, with relatively rare requirements to read instructions. Mathematics demands derive from activities such as measuring the volume of ingredients, computing surface or cubic areas, and estimating supply needs. Independent contractors must also compute costs.

A modest level of psychomotor skill is frequently required for the effective application of brushes, spray guns, trowels, and other hand tools.

There are only 51 occupational titles from this area listed in this handbook, but the number and variety of job opportunities under a given title tend to be rather large. Career progression tends to be quite limited except for independent contractors.

.840. CONSTRUCTION AND MAINTENANCE PAINTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-010	DRY-WALL SANDER	CONST	-2P	2	L234--	I-----7
.887-014	PAINT-STRIPING-MACHINE OPERATO	CONST	-2P	2	L-34--	O------
.887-018	PAINTER HELPER	CONST	-2P	4	M2345-	B-----7
.887-022	PAINTER HELPER BOAT	SHIP / BOAT	-2P	3	M--4--	B------
.884-018	PAINTER ROUGH	CONST	-2P	4	M234-6	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014	GLASS TINTER	GLASS PROD	-2P	5	M2-4-6	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-026	WHITEWASHER	CONST	-2-	1	L234-6	B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	BITUMINOUS ENAMELER	ANY IND	-2P	3	M2-4-6	I-3---7
.781-014	PAINTER APPRENTICE SHIPYARD	SHIP / BOAT	-3P	5	M234-6	B----67

841. PAPERHANGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BILLPOSTER — BUS SER — H2- 2 L234-- O---6-

842. PLASTERING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PLASTERER HELPER — CONST — -2- 4 V234-- I--4-6-
.885-010 PLASTER-MACHINE TENDER — CONST — -2P 4 L234-- B--456-
.884-010 DRY-WALL APPLICATOR — CONST — -2P 5 M234-- I------
.884-018 PERMASTONE DRESSER — CONST — -2P 4 L234-- O----6-
.781-010 LATHER — CONST — -3P 1 M234-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 GROUND WIRER — CONST — -2P 5 M--4-6 O----6-
.884-022 TAPER — CONST — -2P 5 M234-- I--4---

843. WATERPROOFING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 UNDERCOATER — AUTO SER — -1- 2 L-34-6 I-----7
.887-018 WATERPROOFER HELPER — CONST — -2P 2 M234-- O--4567
.884-014 DAMPROOFER — CONST — -1P 4 M234-- I--4-6-
.884-018 STEEL-PLATE CALKER — ANY IND — -2P 4 M234-- B---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-014 METAL SPRAYER CORROSION PREVEN — ANY IND — -3P 5 H234-6 O---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 DOPE POURER — CONST — -2P 4 M-34-- O-34-67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 METAL SPRAYER CORROSION PREVEN — ANY IND — -3P 5 M-34-6 I---567

844. CEMENT AND CONCRETE FINISHING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CEMENT-MASON HELPER — CONST — -2- 2 H2-4-- B--4-6-
.887-018 CONCRETE-VIBRATOR OPERATOR — CONST — -1- 2 M234-- O---56-
.887-022 CONCRETE-VIBRATOR-OPERATOR HEL — CONST — -1- 1 V--4-- O---5--
.887-026 GROUTER HELPER — CONST — -1- 1 M234-- O--45--

844. CEMENT AND CONCRETE FINISHING AND RELATED WORK (CONT.)

			HRP	SVP	PHYS.D WK COND 123456 1234567
Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MINIMUM			
.887-030 INSERTER		CONST	-2-	2	M234-- O----6-
.887-034 OIL SPRAYER		CONST	-1-	1	M-34-- O------
.887-038 STONE-AND-CONCRETE WASHER		CONST	-1-	1	L234-- O----6-
.885-014 CEMENT-GUN-MIXING-MACHINE OPER		CONC PROD CO	-2P	4	L-34-- O---5--
.885-018 GROUT-PUMP OPERATOR		CONST	-2P	2	M234-- O--45--
.885-022 MUD-JACK OPERATOR		CONST	-2P	3	L-34-- O------
.884-022 CEMENT-SPRAYER, NOZZLE		CONC PROD CO	-2P	5	H234-- B---56-
.884-038 CONCRETE-WALL-GRINDER OPERATOR		CONST	-2P	4	M234-- O---56-
.884-042 COVER MAKER		CHEM	-2P	5	M-34-- I---5--
.884-046 MANHOLE MECHANIC		LIGHT HEAT	-2P	4	H234-6 O----6-
.782-010 CONCRETE-GUN OPERATOR		CONST	-1-	4	M--4-- B---5--
Language: MINIMUM	Mathematics: MODERATE	Perceptual Processing: MINIMUM			
.887-010 CEMENT-SPRAYER HELPER, NOZZLE		CONC PROD CO	-2P	2	H234-- B------
Language: MODERATE	Mathematics: MODERATE	Perceptual Processing: MINIMUM			
.884-010 CELL MAKER		CHEM	-3P	5	M-34-- I---5--
Language: MINIMUM	Mathematics: MODERATE	Perceptual Processing: MODERATE			
.885-010 CEMENT-GUN OPERATOR		CONC PROD CO	-2P	2	M-34-- O------
.884-034 CONCRETE RUBBER		CONC PROD CO	-3P	5	M--4-6 I------

845. TRANSPORTATION EQUIPMENT PAINTING AND RELATED WORK

Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MINIMUM			
.887-014 DEADENER		AUTO MFG	-1-	1	L-34-- I------
Language: MINIMUM	Mathematics: MODERATE	Perceptual Processing: MINIMUM			
.781-014 PAINTER APPRENTICE, AUTOMOBILE		AUTO SER	-2P	5	M-34-6 I-----7
Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MODERATE			
.887-010 CAR SCRUBBER		LOCO / CAR B	-2P	2	M234-- I--4-6-
.884-010 PAINTER HELPER AUTOMOBILE		AUTO SER	-2P	4	M-34-- I----67

849. PAINTING, PLASTERING, CEMENTING, AND RELATED WORK, N.E.C.

Language: MINIMUM	Mathematics: MINIMUM	Perceptual Processing: MINIMUM			
.887-010 WALLPAPER REMOVER STEAM		CONST	-2-	1	M234-- I--4---
.886-010 PORTABLE GROUT-MIXER OPERATOR		CONC PROD CO	-1-	2	H-34-- O------
.884-010 BOAT BUFFER PLASTIC		SHIP / BOAT	-2P	3	M-34-- I------
Language: MINIMUM	Mathematics: MODERATE	Perceptual Processing: MINIMUM			
.884-014 BOILER RELINER PLASTIC BLOCK		FOUND	-2P	4	M--4-- I------

EXCAVATING, GRADING, PAVING, AND RELATED OCCUPATIONS (850.-859.)

Occupations in this area are concerned with removing and placing earth materials; grading earth surfaces; laying concrete, asphalt, or other hard surface materials; building surface or subsurface drainage systems; dredging ditches and canals; installing pipe and other facilities closely associated with excavation, grading, and paving.

More than 60 percent of the occupations in this area make minimum cognitive demands and a substantial proportion of the remainder demand only perceptual processing. Perceptual processing demands derive from activities such as relating planes to three-dimensional space; interpreting topographic contour specifications; perceiving and correcting deviations in the contour of excavations; and interpreting tactual/kinesthetic, sonic, and visual feedback for the control of machines under stress. Language demands derive from activities such as interpreting oral and written specifications for excavation; interpreting survey markers and lines, blueprints, and hand signals of other workers in establishing locations at the work site; and entering equipment use and maintenance data. Mathematics demands derive from activities such as making linear measurements of excavations and foundations, computing slope, laying out excavation areas, and verifying blueprint specifications.

A large proportion of the occupations in this area involve the operation of heavy equipment, and this may involve a variety of complex psychomotor skills. Mechanical skills may also be useful for minor equipment maintenance.

Entry opportunities are varied, relatively numerous, and widely distributed. Motivated and skilled individuals can move from manual labor to simple equipment and to more elaborate equipment. Work is likely to be seasonal in parts of the country having severe winters.

850. EXCAVATING, GRADING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND		
			HRP	SVP	123456	1234567	
.887-014	DREDGE PIPE INSTALLER	CONST	-2P	3	H-34--	O--4---	
.887-022	HORIZONTAL-EARTH-BORING-MACHIN	CONST	-2-	2	H234--	O--45--	
.887-034	LABORER SHORE DREDGING	CONST	-1-	1	H-34--	O--4---	
.887-038	MINER HELPER	CONST	-2P	3	H234--	I--4567	
.887-042	MUCKER COFFERDAM	CONST	-1-	1	H234--	O---56-	
.887-046	SHEET-PILE-HAMMER OPERATOR	CONST	-1P	2	H234--	O---56-	
.887-050	SHEET-PILE-HAMMER-OPERATOR HEL	CONST	-1-	2	H234--	O---56-	
.887-054	SHEETING PULLER	CONST	-1-	1	H--4--	O----6-	
.887-058	SLICER	CONST	-1-	1	H--4--	O------	
.884-014	DREDGE-DIPPER TENDER	CONST	-2P	3	M--4--	O------	
.883-022	LOCK TENDER	CONST	-2P	4	L-34-6	I--45-7	
.883-026	MUCKING-MACHINE OPERATOR	CONST	-3P	3	L2-45-	I--4567	
.883-030	POWER-SHOVEL OPERATOR	ANY IND	-3P	5	M--4-6	O---5--	

850. EXCAVATING, GRADING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP	SVP	123456 1234567
.883-034 ROCK-DRILL OPERATOR	CONST	-2P	5	L-34--	O---56-
.883-042 SCRAPER OPERATOR	ANY IND	-3P	3	M--4--	O---5--
.883-050 TOWER-EXCAVATOR OPERATOR	CONST	-2P	5	L--4-6	I---5--
.782-014 SHIELD RUNNER	CONST	-2P	5	L--4--	I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-014 DREDGE OPERATOR, LEVER	CONST	-3P	5	M--4-6	O---5--
.883-038 SCRAPER OPERATOR	CONST	-3P	5	L--4-6	O---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 HORIZONTAL-EARTH-BORING-MACHIN	CONST	-3P	5	M234--	O--45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CRUSHED-STONE GRADER	CONST	-1-	1	H-34--	O------
.887-026 LABORER PILE DRIVING GROUND WO	CONST	-3P	2	H-34--	O---56-
.887-030 LABORER ROAD	CONST	-2P	2	H-34--	O-----7
.884-010 BELL-HOLE DIGGER	CONST	-2-	2	M234--	O---67
.884-018 TRENCH TRIMMER, FINE	CONST	-2-	5	H-34-6	B---67
.883-046 STRIPPING-SHOVEL OPERATOR	MINING / QUA	-3P	5	M2-4-6	I---56-
.883-054 TRENCH-DIGGING-MACHINE OPERATO	CONST	-3P	5	M--4--	O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-018 DREDGE OPERATOR	CONST	-3P	5	M--4--	O--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-018 EXCAVATOR	ANY IND	-3P	2	H--4--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-010 BULLDOZER OPERATOR	ANY IND	-3P	5	H2345-	O----67
.887-010 INSPECTOR OF DREDGING	WATER TRANS	-3-	3	L----6	O---5--

851. DRAINAGE AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DITCH DIGGER	MINING / QUA	-1-	2	H-34--	B--4---
.887-014 DUMP GRADER	CONST	-1-	1	H-34--	O------
.887-018 FORM TAMPER	CONST	-1-	3	M-34--	O------
.887-022 FORM-STRIPPER HELPER	CONST	-1-	1	H2-4--	O----6-
.887-026 GRADE TAMPER	CONST	-1-	1	V--4--	O------
.887-030 GRADER	CONST	-1-	1	H-34--	O-----7
.887-034 PIPE-LAYER HELPER	CONST	-2-	1	H234--	O--4-6-
.883-026 SUBGRADER OPERATOR	CONST	-2P	5	L--4--	O------

PHYS.D WK COND
HRP SVP 123456 1234567

851. DRAINAGE AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 BLADE-GRADER OPERATOR	CONST	-3P	5	M--4-6	B------
.883-030 UTILITY-TRACTOR OPERATOR	CONST	-3P	4	L--4--	O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-022 PIPE LAYER	CONST	-3P	3	H-34--	O--4---
.884-030 SUBGRADE TESTER	CONST	-2-	3	L-34--	O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 DRAIN LAYER	CONST	-3-	3	M-34--	O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FINE GRADER	CONST	-2-	4	M234--	O---56-
.883-018 MOTOR-GRADER OPERATOR	CONST	-3P	5	L--4--	O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BATTERBOARD SETTER	CONST	-3P	4	L-34--	O---56-
.883-022 SEPTIC-TANK INSTALLER	CONST	-3P	4	M-34--	O------

852. CONCRETE PAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 JOINT FILLER	CONST	-1-	1	L-34--	O------
.887-014 LABORER CONCRETE PAVING	CONST	-2P	2	H-34--	O------
.887-018 MUD-JACK NOZZLE WORKER	CONST	-2P	1	M-34--	O------
.884-014 CONCRETE-PAVER-OPERATOR HELPER	CONST	-2-	3	M--4-6	O---5--
.883-010 CONCRETE-PAVER OPERATOR	CONST	-3P	4	M--4-6	O---5-7
.883-018 FORM-GRADER OPERATOR	CONST	-3P	4	L--4--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FORM SETTER METAL ROAD-FORM	CONST	-2-	5	M-345-	O------
.883-014 CONCRETE-PAVING-MACHINE OPERAT	CONST	-3	3	M--4--	O--4---

853. ASPHALT PAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COLD PATCHER	CONST	-2-	2	M-34--	O------
.887-014 LABORER BITUMINOUS PAVING	CONST	-3P	1	M-34--	O------
.887-018 SQUEEGEE FINISHER	CONST	-1-	1	M--4--	O------
.885-010 ASPHALT-HEATER TENDER	CONST	-2P	3	L--4--	O------
.883-014 ROAD-OILING-TRUCK DRIVER	CONST	-3P	5	L--4-6	O---5--

853. ASPHALT PAVING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.883-018	STONE-SPREADER OPERATOR	CONST	-2P	5	L--4--	O------
.782-010	ASPHALT-PLANER OPERATOR	CONST	-2P	5	L--4--	O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010	ASPHALT RAKER	CONST	-2-	4	M--4-6	O------

Language	Mathematics	Perceptual Processing
MODER.	MODERATE	MINIMUM

.782-014	ASPHALT-PLANT OPERATOR	CONST	-3P	5	L--4--	B-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-010	ASPHALT-PAVING-MACHINE OPERATO	CONST	-3P	5	M-34-6	O---5--

859. EXCAVATING, GRADING, PAVING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	AIR-HAMMER OPERATOR	CONST	-2P	2	H234--	O---567
.887-014	BLASTER HELPER	ANY IND	-2-	3	H-34--	O----6-
.887-018	CURB-SETTER HELPER	CONST	-2-	1	V-34--	O------
.887-022	LABORER STONE-BLOCK RAMMING	CONST	-1-	1	H--4--	O------
.887-026	MUCKER	CONST	-1-	1	H-34--	I----67
.887-034	PUDDLER PILE DRIVING	CONST	-2P	2	H234--	O---56-
.887-046	WELL DIGGER II	CONST	-1-	1	M-345-	O------
.887-050	WELL DIGGER	CONST.	-2P	2	H--4--	O----67
.887-054	WELL-DIGGER HELPER	CONST	-2P	1	H-34--	O----6-
.885-014	CRUSHER OPERATOR	CONC PROD CO	-2-	2	M-34--	O------
.885-022	PUMPER, PORTABLE PUMP	CONST	-2-	4	L-34--	O---5--
.885-026	SCRUBBER OPERATOR	CONST	-2-	2	L--4--	B------
.884-014	DUCT LAYER	CONST LIGHT	-2P	4	H234--	O------
.884-022	PAVING-BED-MAKER	CONST	-1-	2	M-34--	O------
.884-026	WELL-DRILL-OPERATOR HELPER CAB	CONST	-3P	4	V234--	O--4567
.883-010	BALLAST-CLEANING-MACHINE OPERA	RR TRANS	-2P	3	M-4-6	O---5-7
.883-014	BALLAST-REGULATOR OPERATOR	CONST	-2P	3	M--4--	O---5--
.883-022	HEATER-PLANER OPERATOR	CONST	-2P	3	M--4-6	O---5--
.883-026	JOINT-CLEANING-AND-GROOVING-MA	CONST	-2P	4	M-34-6	O---5-7
.883-042	ROAD-ROLLER OPERATOR	CONST	-3P	5	L--4-6	O---5--
.883-046	SWEEPER OPERATOR	CONST	-2P	3	M--4-6	O------
.883-054	WALKING DRAGLINE OPERATOR	ANY IND	-2P	5	M--4-6	I---5--
.782-010	DRIFTER	CONST	-2P	5	H2345-	I--4567
.782-018	EARTH-BORING-MACHINE OPERATOR	CONST LIGHT	-2P	4	M--4--	O---5--
.782-026	PILE-DRIVER OPERATOR	CONST	-3P	5	M--4--	O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-050	TAMPING-MACHINE OPERATOR	RR TRANS	-3P	3	M2-4--	O---5-7

859 EXCAVATING, GRADING, PAVING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.587-010 GRAVEL INSPECTOR — CONST -2- 4 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 PAVING RAMMER — CONST -1- 1 H-34-- O------
.887-038 REINFORCING-STEEL WORKER WIRE — CONST -2P 2 M234-- O------
.887-042 RIPRAP PLACER — CONST -1- 2 H234-- O----6-
.885-018 LOCK TENDER — CONST -2P 4 L-3456 I---567
.884-010 BRICKLAYER PAVING BRICK — CONST -2P 5 M-3456 O----6-
.884-018 FOUNDATION-DRILL-OPERATOR HELP — CONST -2P 3 L-34-6 O---56-
.883-038 ROAD-MIXER OPERATOR — CONST -3P 5 L--4-6 O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-018 DRAGLINE OPERATOR — ANY IND -3P 5 M--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 ASPHALT-DISTRIBUTOR TENDER — CONST -2P 2 L--4-- O---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-022 FOUNDATION-DRILL OPERATOR — CONST -3P 5 L--4-6 O---5-7

CONSTRUCTION WORK NOT ELSEWHERE CLASSIFIED (860.-869.)

Occupations in this area are concerned with building and repairing structures and structural members through carpentry, brick and stone masonry, tile setting, plumbing, gas fitting, steam fitting, asbestos and insulation work, floor laying and floor finishing, glass setting and related work, roofing and related work, and miscellaneous construction specialties such as lightning rod erection and the erection of advertising billboards.

Occupations in this area demand all eight combinations of cognitive capabilities, but more than 60 percent of them make only minimum demands. Substantial numbers demand moderate mathematics only, perceptual processing only, and a combination of all three types. Mathematics demands derive from activities such as making linear measurements, determining angles, and--for a few occupations--computing costs. Perceptual processing demands derive from activities such as maintaining functional relationships among components, even though physical locations are moved; visualizing three-dimensional forms from blueprints; making sketches to assist installation; and hand-setting structural forms. Language demands derive from activities such as interpretation of written work specifications, blueprints, and product specifications, and communicating verbally on the job.

More than half of the occupations have a substantial psychomotor skill demand for the use of power and hand tools. Mechanical skills can be an asset for the minor maintenance of power tools and the application of fastening and assembly systems.

Most of the occupational titles listed in this area are helper or laborer occupations in support of crafts and other journey level workers whose cognitive demands exceed those within the scope of this handbook. Persons who enter at helper or laborer levels and who achieve requisite skill levels could possibly move through apprentice training into journey levels.

860. CARPENTRY AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS	D	WK COND
			HRP	SVP	123456 1234567
.887-010	CARPENTER HELPER MAINTENANCE	CONST	-2P	2	H234-- B---56-
.887-014	CARPENTER HELPER, HARDWOOD FLO	CONST	-1-	2	M-34-- I------
.887-018	LABORER CARPENTRY	CONST	-2P	1	H234-- O----6-
.887-022	LABORER CARPENTRY DOCK	CONST	-2P	1	V234-- O----6-
.887-026	LABORER SHAFT SINKING	CONST	-2P	1	H234-- O----6-
.884-010	FORM-BUILDER HELPER	CONST	-2P	5	M-34-- O------
.884-014	SHORER	CONST	-2P	3	M234-- O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-018	STULL INSTALLER	CONC PROD	-2P	2	M-34-- O----6-

			HRP	SVP	PHYS.D 123456	WK COND 1234567

861. BRICK AND STONE MASONRY AND TILE SETTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BRICK CLEANER	CONST	-1-	1	M-34--	O-----7
.887-018 BRICKLAYER HELPER	CONST	-2-	2	V234--	O----6-
.887-022 BRICKLAYER HELPER REFRACTORY B	ANY IND	-2-	3	M-34--	B------
.887-034 PATCHER HELPER	COKE PROD.	-2-	2	H-34--	I-3---7
.887-038 STONEMASON HELPER	CONST	-2P	4	H234--	O----6-
.887-042 WALL WASHER	CONST	-1-	2	M234--	O--4-6-
.884-014 MARBLE-SETTER HELPER	CONST	-2P	2	H234--	B----67
.884-034 TERRAZZO-WORKER HELPER	CONST	-2P	4	H-34--	B--4---
.884-038 TILE-SETTER HELPER	CONST	-2P	3	H-34--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 BRICK-PAVING CHECKER	CONST	-2P	2	M-34-6	O------
.887-026 BUILDING CLEANER BRICK OR STON	CONST	-2P	3	M234--	O--4-67
.884-010 CUPOLA PATCHER	FOUND	-2P	4	M234-6	I------
.884-030 STONE-POLISHER APPRENTICE	CONST	-2P	3	M23456	B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 PATCHER	COKE PROD	-2P	4	M234--	I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-030 MOLD MAKER	CONST	-2-	3	L-34--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 PERMASTONE SETTER	CONST	-3P	5	L234--	O--4-6-

862. PLUMBING, GAS FITTING, STEAM FITTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BACKER-UP	CONST	-1-	2	M-34--	O------
.887-014 CLAMPER	CONST	-2-	2	H234--	O--45--
.887-018 CONNECTOR HAND	CONST	-2-	3	H-34--	O------
.887-022 CRANK HAND	CONST	-2-	1	M-34--	O---5--
.887-026 LABORER PIPE LINE	CONST	-2-	2	H-34--	O-----7
.887-030 LABORER PLUMBING	CONST	-2-	2	H-34--	B----6-
.887-034 OIL-BURNER-SERVICER-AND-INSTAL	ANY IND	-2-	2	H-34--	I------
.887-038 PAPERHANGER PIPE	CONST	-1-	4	H-34--	O----67
.886-010 PIPE-MACHINE OPERATOR HELPER	CONST	-2-	2	H-34--	O------
.884-014 FURNACE INSTALLER HELPER	LIGHT HEAT	-2-	4	M-34--	I------
.884-018 GAS-FITTER HELPER	CONST	-2P	2	H-34--	O------
.884-022 GAS-SERVICE HELPER	LIGHT HEAT	-2P	4	M-34--	B------
.884-026 HYDRANT-AND-VALVE REPAIRER	WATERWORKS	-3-	5	M-34--	O--4---
.884-038 LABORER CONSTRUCTION OR LEAK G	LIGHT HEAT	-2P	4	H-34--	B------
.884-042 PIPE CALKER	CONST	-2P	4	L234--	O---56-

				HRP	SVP	PHYS.D 123456	WK COND 1234567

862. PLUMBING, GAS FITTING, STEAM FITTING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-046	PIPE-FITTER HELPER	CONST	-2P	3	H234--	B--45--
.884-054	PIPE-LINE WORKER	CONST	-2P	4	H-34--	O------
.884-058	PLUMBER HELPER	CONST	-2P	3	H234--	B----6-
.884-062	SEWER TAPPER	CONST	-2-	5	M-34--	O------
.884-070	TAPPING-MACHINE OPERATOR	CONST	-3P	4	M234--	O------
.782-014	PIPE-CLEANING-MACHINE OPERATOR	CONST	-2P	5	L-34--	O---5-7
.685-010	WATER TESTER	ANY IND	-3P	2	M--4-6	I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010	WATER TESTER	CONST	-3P	4	M-34--	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-034	JUNCTION MAKER	BRICK / TILE	-2P	5	M-34--	I------
.884-066	SOFT-WATER SERVICER-AND-INSTAL	BUS SER	-3P	3	M--45-	O------
.782-018	PIPE-WRAPPING-MACHINE OPERATOR	CONST PIPELI	-2P	5	L--4--	O---5-7
.687-010	COOLING-PIPE INSPECTOR	CONST	-3-	5	L234--	O--45--
.687-014	HOLIDAY DETECTOR OPERATOR	CONST	-2-	2	L--456	O--4---

863. ASBESTOS AND INSULATION WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	PAPER LATCHER	CONST	-2-	2	H-34--	O---567
.885-010	INSULATION-POWER-UNIT TENDER	CONST RET TR	-2-	4	L-34--	O---5-7
.884-014	FIREPROOFER	LIGHT HEAT	-2P	5	L--4--	I----6-
.884-018	BLOWER INSULATOR	CONST RET TR	-2P	5	M234--	B-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-030	INSULATION-WORKER APPRENTICE	CONST	-3P	3	L234-6	B---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010	COMPOSITION-WEATHERBOARD APPLI	CONST	-2P	4	M234--	O----6-
.884-022	INSULATION INSTALLER	CONST	-3P	3	L234--	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-034	SIDER	CONST RET TR	-3P	4	M234--	O----6-

864. FLOOR-LAYING AND FINISHING WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	FLOOR-FINISHER HELPER	CONST	-2-	4	M-34--	I---5-7
.884-014	FLOOR-SANDER HELPER	CONST	-2-	3	M-34--	I---5-7

864. FLOOR LAYING AND FINISHING WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 FLOOR-LAYER HELPER — CONST -2P 3 M-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-014 FLOOR-LAYER APPRENTICE — CONST -3P 5 M-34-6 I------

865. GLASS SETTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GLAZIER HELPER — CONST -2P 3 M234-- B----6-
.884-014 GLASS INSTALLER — FURN PLAN MI -3P 3 M--4-6 I----6-
.884-018 GLAZIER METAL FURNITURE — FURN -3P 5 M--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 GLASS INSTALLER — AUTO SER -3P 4 M--4-- I------
.884-026 REFRIGERATOR GLAZIER — REFRIGERAT E -3P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 PLATE GLASS LAY-OUT WORKER — CONST -2- 5 M--4-- I------

866. ROOFING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ROOFER HELPER — CONST -2- 2 H234-- O-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 ROOFER HELPER VINYL COATING — CONST -3P 2 H234-- O--4-6-

869. MISCELLANEOUS CONSTRUCTION WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BRUSH CLEARER, SURVEYING — ANY IND -2- 1 H-34--, O------
.887-018 CAMOUFLAGE ASSEMBLER — ORDNANCE -1- 2 L--4-- I------
.887-022 CONCRETE-FLOAT MAKER — CONC PROD -3P 2 M-34-- B------
.887-026 CONCRETE-PUMP-OPERATOR HELPER — CONST -2- 1 M-34-- O---5--
.887-030 CONSTRUCTION WORKER — CONST -2- 2 V234-- O---567
.887-034 FORM STRIPPER — CONC PROD CO -2P 2 H2-4-- B------
.887-038 FORM-SETTER HELPER — CONST -2P 3 H-34-- O----6-
.887-042 FURNACE-INSTALLER-AND-REPAIRER — ANY IND -2- 2 H-34-- I----67
.887-046 HOD CARRIER — CONST -2- 2 V2---- B---6-

869. MISCELLANEOUS CONSTRUCTION WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-050	HOOSIER POLE HAND	CONST	-2-		2	M--4--	O---5-7
.887-054	LABORER ADJUSTABLE STEEL JOIST	CONST	-2-		2	V234--	O----6-
.887-058	LABORER GEMENT-GUN PLACING	CONST	-2P		2	M234--	O------
.887-062	LABORER WRECKING AND SALVAGING	CONST	-2-		1	V234--	O---567
.887-066	LOFT WORKER, PILE-DRIVING	CONST	-3P		5	H234--	O---56-
.887-070	MIXER HAND CEMENT GUN	CONST	-2-		1	H-34--	O------
.887-074	REINFORCING-IRON-WORKER HELPER	CONST	-2-		2	H234--	O----6-
.887-078	RIG-BUILDER HELPER	PETROL PRODU	-2P		4	H-34--	O---56-
.887-082	ROUND-UP-RING HAND	CONC PROD	-2P		2	V--4--	O---5--
.887-090	STAKER, SURVEYING	ANY IND	-2-		2	M-34--	O------
.887-094	TIMBER ROBBER	MINING / QUA	-2P		2	H-34--	I----67
.887-098	TRACK LAYER	CONST	-3P		2	V-34--	O----6-
.885-014	CONCRETE-PUMP OPERATOR	CONST	-2P		4	L-34--	O---5--
.885-026	PRECAST MOLDER	CONC PROD	-3-		3	H-34--	I--4---
.884-010	ASSEMBLER SKYLIGHTS	FABRIC, PLAST	-2P		3	M--4--	I------
.884-018	BILLBOARD-ERECTOR HELPER	CONST	-2P		3	H234--	B----6-
.884-038	FORM SETTER STEEL-PAN FORMS	CONST	-2P		4	H234--	O---56-
.884-054	LIGHTNING-ROD ERECTOR	CONST	-2P		3	L234--	O----6-
.884-058	PILE-DRIVING JETTER	CONST	-2-		3	M-34--	O---56-
.884-074	SIGN ERECTOR	SIGNS	-3P		3	H234--	O------
.884-082	VENETIAN-BLIND INSTALLER	RET TR WINDO	-2P		4	M2-4--	I------
.883-010	FORM-TAMPER OPERATOR	CONST	-2P		3	V-34-6	O----6-
.883-014	TAMPER OPERATOR	CONST	-2P		3	M-34--	O---5--
.883-018	TAMPING-MACHINE OPERATOR	CONST	-2P		5	L--4--	O---5--
.868-010	SIGNALLER	CONST	-2-		2	L--4-6	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-010	AWNING-HANGER HELPER	CANVAS GOODS	-2P		3	H234--	O------
.885-010	BATCH-PLANT OPERATOR	CONST	-2P		4	L2-4--	O-----7
.885-022	MORTAR MIXER	CONC PROD CO	-2-		3	H-34--	O------
.884-014	AWNING HANGER	CANVAS GOODS	-3P		4	H2-4--	O----6-
.884-066	ROUSTABOUT	PETROL PRODU	-3-		3	H2-4-6	O----6-
.883-022	RIGGER	CONST	-3P		4	H-34--	O---56-
.781-010	AWNING MAKER-AND-INSTALLER	RET TR WINDO	-3P		5	M2-4--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.885-018	KETTLE TENDER	CONST ROOF, M	-2-		2	M-34--	O-3---7
.884-086	WRECKER	CONST	-3P		4	H234--	O---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.487-010	MEASURER	STRUCT / ORN	-2-		4	L--4--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

				HRP	SVP	PHYS.D 123456	WK COND 1234567
.884-050	HOLDER, PILE DRIVING	CONST	-3P		5	H-34--	O------

869. MISCELLANEOUS CONSTRUCTION WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-086 STAIN REMOVER	CONST	-2-	2	M--4--	O-----7
.884-078 VENEER STAPLER	SHIP / BOAT	-2P	4	M--4--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 STOPPING BUILDER	MINING / QUA	-3P	5	H--34-	I----67
.884-026 CONSTRUCTION WORKER	CONST	-3P	5	H234--	O---5--
.884-030 FENCE ERECTOR	CONST	-3P	5	M-34--	O------
.884-046 LAWN-SPRINKLER INSTALLER	CONST	-3P	5	M--4--	O--4---
.884-070 SEAT INSTALLER	CONST	-3P	4	M-34-6	I------
.388-010 MEASURER	RET TR	H3-	3	M234-6	O------
.387-014 POLE INSPECTOR	LIGHT HEAT	-3P	5	M2-456	O----6-
.134-010 FENCE-ERECTOR SUPERVISOR	CONST	H3P	4	L--45-	O------

STRUCTURAL WORK, NOT ELSEWHERE CLASSIFIED (891.-899.)

Occupations in this area are concerned with the maintenance of structures, special cleaning operations such as sandblasting and steam cleaning, hoisting and conveying operations associated with structural work, window repairs, and servicing of septic systems.

More than half of the occupations in this area make minimum cognitive demands and small numbers of occupations demand other combinations. Language demands derive mostly from verbal communications. Mathematics demands derive primarily from the mixing of materials. Perceptual processing demands derive from activities such as detecting and evaluating defects, positioning of structural components, and evaluating finished work against specifications.

Psychomotor skill demands derive from the use of hand tools in almost half of the occupations. Mechanical knowledge is an asset for a number of occupations in activities such as rigging scaffolds, maintaining power tools, and assembling/disassembling mechanical couplings and flanges.

There are only 29 occupational titles in this area listed in this handbook, and the numbers of job opportunities per title are not large.

891. STRUCTURAL MAINTENANCE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		PHYS.D	WK COND	
		HRP SVP	123456	1234567
.887-018 PROJECT-CREW WORKER	ANY IND	-2- 4	M234--	B--4-67
.887-022 TANK CLEANER	ANY IND	-3- 2	H234--	I--4-67
.887-026 TUBE CLEANER	ANY IND	-2- 2	M234-6	I-34-6-
.885-010 STEAM-CLEANING-MACHINE OPERATO	CONST	-2P 4	L--4--	O------
.884-010 BUILDING CLEANER SANDBLASTER	CONST	-2P 3	M234--	O--4567
.884-014 BUILDING CLEANER STEAM	CONST	-2P 3	M2-4--	O--4567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-022 PIPE CHANGER	MINING / QUA	-2- 3	H--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CHIMNEY SWEEP	ANY IND	-2- 3	M234--	B-----7
.887-014 FURNACE CLEANER	ANY IND	-2- 2	M-34--	I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 DOCK HAND	SHIP / BOAT	-3P 2	M234--	O--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 SWIMMING POOL SERVICER	ANY IND	-3- 4	M234--	B--4---

892. HOISTING AND CONVEYING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-010 CHERRY-PICKER OPERATOR	CONST	-2P	3	M--45-	I--4567
.883-014 LABORER HOISTING	ANY IND	-2P	3	M23456	O---5--
.883-018 YARD WORKER	SHIP / BOAT	-2P	4	M-34-6	B------

899. MISCELLANEOUS STRUCTURAL WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 MAINTENANCE REPAIRER HELPER	ANY IND	-2-	3	M--4--	B------
.887-018 SEPTIC-TANK SERVICER	CONST	-2-	5	M-34--	O-----7
.884-010 BONDACTOR-MACHINE OPERATOR	FOUND	-2P	3	M234--	I-3---7
.884-022 HIGHWAY-MAINTENANCE WORKER	GOV SER	-2P	2	H-34--	O----6-
.884-038 PIPELINER	PIPE LINES	-3P	5	H234--	O------
.884-050 TOWEL-CABINET REPAIRER	BUS SER	-2-	3	M--4-6	I------
.884-054 WINDOW REPAIRER	ANY IND	-2P	4	M-34--	I------
.782-010 DIVER PUMPER	CONST FISH	-2P	4	M--4--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-030 MAINTENANCE REPAIRER HELPER, F	ANY IND	-2P	5	H--4-6	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 DECORATOR, STREET AND BUILDING	ANY IND.	-2P	4	V234--	B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-046 SHAFT MECHANIC	MINING / QUA	-3-	5	H234--	B----67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-014 CHIMNEY REPAIRER	BUS SER	-3P	5	M234-6	B----67
.884-018 DIVER HELPER	ANY IND	-3P	2	M-34--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-034 MOBILE-HOME REPAIRER	TRANS EQUIP	-3P	4	H-34-6	I------
.884-042 SEWER-PIPE CLEANER	BUS SER	-3-	3	M-34-6	B--4--7

(9.) MISCELLANEOUS OCCUPATIONS

(9.) MISCELLANEOUS OCCUPATIONS

MOTOR FREIGHT TRANSPORTATION (900.-909.)

Occupations in this area are concerned with driving vehicles for the transportation of freight over highways, city streets, or within the compounds of industrial, mining, or construction areas. The types and sizes of vehicles vary greatly as does the nature of the freight or cargo being transported.

About 20 percent of the occupations in this area make minimum demands for cognitive capabilities. More than 60 percent demand moderate capabilities only in language. Language demands derive from activities such as interpreting delivery information; planning and following a route to designated points using maps, road signs, and written or verbal instructions; recording truck condition and service information; preparing receipts for loads picked up; handling invoices for loads delivered; and maintaining logs of driving time and locations. Mathematics demands may derive from computing mileage, fuel, and delivery charges, or collecting money. Perceptual processing demands derive from activities such as loading trucks to maintain weight distribution, packing freight to prevent damage, and using rear view mirrors to back into loading docks.

Psychomotor demands derive from activities such as manipulating large vehicles in tight quarters, control of auxiliary loading equipment, and reacting to emergency situations while driving. Mechanical knowledge may be an asset for routine or emergency maintenance. Chemical knowledge may be an asset in the handling of certain cargoes such as mixed concrete, gases under pressure, flammables, and explosives.

There are only 31 occupational titles from this area listed in this handbook, but very large numbers of job opportunities are covered by some of them. One may sometimes progress from helper to driver and from driver to dispatcher, but otherwise there is relatively little career progression.

PHYS.D WK COND
HRP SVP 123456 1234567

900. CONCRETE-MIXING-TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 CONCRETE-MIXING-TRUCK DRIVER CONST -3P 3 L--4-6 O---5--

902. DUMP-TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-014 DUMP-TRUCK DRIVER OFF-HIGHWAY ANY IND -3P 5 M--4-6 B---56-

PHYS.D WK COND
HRP SVP 123456 1234567

902. DUMP-TRUCK DRIVING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 DUMP-TRUCK DRIVER — ANY IND -3P 3 M--4-6 O------

903. TRUCK DRIVING, INFLAMMABLES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 POWDER-TRUCK DRIVER — AMMUNITION -3P 3 M-34-6 B----6-
.883-014 TANK-TRUCK DRIVER — PETROL REFIN -3P 4 M234-6 B------

904. TRAILER-TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-010 LOG-TRUCK DRIVER — LOGGING -3P 5 M--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-018 TRANSPORT DRIVER — MOTOR TRANS -3P 4 M234-6 B---5--
.883-022 WATER-TRUCK DRIVER — CONST PETROL -3P 3 M--4-6 O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.883-014 TRACTOR-TRAILER-TRUCK DRIVER — ANY IND -3P 4 M-34-6 B------

905. HEAVY TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 ARMORED-CAR DRIVER — BUS SER -3P 3 M--4-6 B--456-
.883-018 TRUCK DRIVER — LOGGING -3P 3 M--4-6 B---5--
.883-022 TRUCK DRIVER HEAVY — ANY IND -3P 3 L-34-6 B---5--
.883-026 WATER HAULER — LOGGING -3P 3 L--4-6 O------
.883-030 WATER-TRUCK DRIVER — CONST PETROL -3P 3 M--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 TRUCK-DRIVER HELPER — ANY IND -2- 2 H234-- L---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-014 MILK DRIVER — DAIRY PROD -3P 3 V2-4-6 I------

PHYS.D WK COND
HRP SVP 123456 1234567

906. LIGHT TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 EXPLOSIVES-TRUCK DRIVER	AMMUNITION	-3P	3	M-34-6	B----6-
.883-014 FOOD-SERVICE DRIVER	HOTEL / REST	-3P	3	L-34-6	B------
.883-022 TELEPHONE-DIRECTORY DISTRIBUTO	BUS SER	-3P	3	M--4-6	B------
.883-026 TRUCK DRIVER LIGHT	ANY IND	-3P	3	M-34-6	B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.883-018 LIQUID FERTILIZER SERVICER	AGRIC	-3P	3	M--4-6	O-----7

909. MOTOR FREIGHT TRANSPORTATION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 GARBAGE COLLECTOR	MOTOR TRANS	-1-	1	H-34--	O-----7
.887-018 LABORER GENERAL	MOTOR TRANS	-1-	2	H23---	B------
.887-022 TANKER CLEANER	MOTOR TRANS	-2-	2	M234--	O--4567
.887-026 VAN-DRIVER HELPER	MOTOR TRANS	-2P	3	V-34--	B---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 GARBAGE COLLECTOR	MOTOR TRANS	-3P	3	M--4-6	O------
.883-014 HOSTLER	MOTOR TRANS	-3P	5	M-34-6	B---5--
.883-018 TOW-BAR DRIVER	AUTO MFG	-3P	3	L--4-6	I------
.588-010 SPOTTER	MOTOR TRANS	-3P	4	L---56	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 FURNITURE MOVER	MOTOR TRANS	-2P	3	V-34--	B---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-022 VAN DRIVER	MOTOR TRANS	-3P	5	V-34-6	B---56-

TRANSPORTATION WORK NOT ELSEWHERE CLASSIFIED (910.-919.)

Occupations in this area are concerned with moving people and materials by means of motor vehicles, railways, aircraft, freshwater or seagoing vessels, and pipelines.

More than one-third of these occupations make only minimum cognitive demands. Substantial concentrations of occupations also demand moderate language only, perceptual processing only, combined language and mathematics, and combined language and perceptual processing capabilities. Language demands derive from activities such as keeping records of freight and passengers, interpretation of timetables and schedules, recording arrival and departure times, recording causes for delay, answering customer questions, and interpreting warning signals. Mathematics demands derive from activities such as calculating weights and volumes for shipping manifests, converting between metric and English measures, and computing shipping charges. Perceptual processing demands derive from activities such as inspecting the condition of freight damaged in transit and detecting malfunction symptoms in equipment.

Driving and the use of hand tools may demand psychomotor skills. Mechanical knowledge may be useful for minor maintenance tasks. A substantial proportion of the occupations in this area involve regular contact with the public.

Entry opportunities are numerous and widespread. Progression prospects are moderate.

910. RAILROAD TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

					PHYS.D WK COND
				HRP SVP	123456 1234567
.887-014 CAR COOPER	ANY IND	-2P	2	M2-4-6	I------
.887-018 CAR ICER	ICE RR TRAN	-1-	1	H234--	O------
.887-022 DUMPER-AND-FILLER	SLAUGHT / ME	-2-	1	H-34--	O------
.887-026 FREIGHT-CAR CLEANER DELTA SYST	RR TRANS	-2P	2	H--4--	O---5-
.887-030 LAMP KEEPER	RR TRANS	-2-	2	L2-4--	B------
.887-034 LIGHTKEEPER, BRIDGE	RR TRANS	-2-	2	L2-4--	B------
.887-038 SWITCH TENDER	RR TRANS	-2P	2	M--4-6	O---5--
.887-042 TRACK OILER	RR TRANS	-2P	2	L-34--	O------
.885-010 CAR ICER	RR TRANS	-2-	2	M--45-	O------
.883-030 TRACK-BROOM OPERATOR	RR TRANS	-3P	3	M--4--	O------
.883-034 TRACK-MOVING-MACHINE OPERATOR	MINING / QUA	-2P	4	M-34-6	O------
.883-042 TRANSFER-TABLE OPERATOR	RR TRANS	-3P	3	M--4-6	O---5--
.868-022 PASSENGER SERVICE REPRESENTATI	RR TRANS	-1-	2	L--4--	I------
.782-018 TRACK REPAIRER	RR TRANS	-3P	4	H-34-6	O---5--

910. RAILROAD TRANSPORTATION (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 BAGGAGE HANDLER	RR TRANS	-2-	2	H234--	I---5--
.884-010 BRAKE COUPLER, ROAD FREIGHT	RR TRANS	-3P	4	M2-4-6	B---56-
.884-014 YARD COUPLER	RR TRANS	-3P	4	M234-6	O---56-
.883-026 MOTOR OPERATOR	RR TRANS	-3P	5	L--4-6	I---5--
.883-038 TRACK-SURFACING MACHINE OPERAT	CONST	-2P	3	M--4--	O---5--
.868-010 CALLER	RR TRANS	H3P	2	L--4-6	B------
.587-010 CAR SEALER	RR TRANS	-2-	2	L-----	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 GREASER JOURNAL BOX	LOCO / CAR B	-2P	2	M-345-	B--4-6-
.884-018 GRINDING-MACHINE OPERATOR PORT	RR TRANS	-2P	3	M-34-6	O---56-
.883-046 TURNTABLE OPERATOR	RR TRANS	-2P	3	L-3456	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-014 HOSTLER INSIDE	RR TRANS	-3P	4	L2-4-6	B---5--
.883-018 HOSTLER OUTSIDE	RR TRANS	-3P	4	L2-4-6	B---5--
.883-022 LABORER CAR BARN	RR TRANS	-3P	4	L--4-6	B------
.868-014 CONDUCTOR	RR TRANS	H3P	5	M2-45-	I---5--
.688-014 TRAIN CLERK	RR TRANS	-3-	3	L-----	I------
.388-014 YARD CLERK	RR TRANS	-3-	3	S--456	I------
.368-010 CAR DISTRIBUTOR	RR TRANS	-3-	5	S---5-	I------
.368-014 MONEY CLERK	RR TRANS	-3-	4	M--45-	I------
.368-018 RAILWAY-EXPRESS CLERK	RR TRANS	H3-	4	M--45-	I------
.364-010 BRAKER, PASSENGER TRAIN	RR TRANS	H3-	4	L2-456	I---5--
.168-022 PASSENGER REPRESENTATIVE	RR TRANS	H3-	4	L2-45-	----5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.883-010 CAR-RETARDER OPERATOR	RR TRANS	-3P	4	S--456	I------
.883-050 YARD ENGINEER	RR TRANS	-3P	5	L--4-6	I---5--
.868-018 LOCOMOTIVE OPERATOR HELPER	RR TRANS	-2-	2	L---56	I---5--
.782-010 INTERLOCKING TOWER OPERATOR	RR TRANS	-3P	5	L--4-6	I------
.782-014 TOWER OPERATOR	RR TRANS	-3P	5	L--4-6	I------
.688-010 TRACK WALKER	RR TRANS	-2-	3	L---6	O------
.687-010 CAR INSPECTOR	LOCO / CAR B	-2-	3	L2-4--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.684-010 CAR INSPECTOR	PETROL REFIN	-3-	4	M234-6	O---56-
.387-010 PERISHABLE-FRUIT INSPECTOR	WHOLE TR	-3-	5	M234-6	B2-4---
.368-022 RESERVATION CLERK	RR TRANS	-3-	3	S---5-	I------

911 WATER TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		PHYS.D	WK	COND
		HRP SVP	123456	1234567
.887-010 CLEANER	ANY IND	-2- 2	M234--	I---567
.887-014 COAL HANDLER	WATER TRANS	-2P 2	H23456	O----6-
.887-018 COAL TRIMMER	WATER TRANS	-2P 3	H--4-6	O------
.887-026 FENDER MAKER	SHIP / BOAT	-2P 2	V--4--	B------
.887-030 LINES TENDER	WATER TRANS	-1P 2	H--4--	O------
.884-022 FERRYBOAT-OPERATOR HELPER	WATER TRANS	-3P 2	H-345-	B---5--
.883-010 BOOMBOAT OPERATOR	LOGGING	-2P 5	L2-4-6	O--45--
.883-014 DOCK HAND	AIR TRANS	-2P 4	M--4-6	O--45--
.883-026 MOTORBOAT OPERATOR	ANY IND	-3P 5	M234-6	B------
.868-010 HATCH TENDER	WATER TRANS	-1- 2	L-----	O------
.687-010 SOUNDER	ANY IND	-1- 2	M-34-6	O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-014 BOAT LOADER	WATER TRANS	-3- 3	M234--	O--4567
.883-022 STEVEDORE I	WATER TRANS	-3P 5	M--4-6	O------
.878-010 TICKET TAKER FERRYBOAT	WATER TRANS	H2P 2	M--45-	B------
.782-010 LOCK TENDER	WATER TRANS	-3- 5	L--4-6	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 DECKHAND	WATER TRANS	-3P 4	H-34--	O------
.887-034 ORDINARY SEAMAN	WATER TRANS	-3P 4	M2-4-6	O------
.883-034 WINCH DRIVER	WATER TRANS	-3P 5	L--4--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-026 MARINE OILER	WATER TRANS	-3- 5	M--4--	I------
.488-010 TONNAGE-COMPILATION CLERK	WATER TRANS	-3P 5	S--4--	I------
.388-010 RECEIPT-AND-REPORT CLERK	WATER TRANS	-3- 5	S--4--	I------
.368-010 BAGGAGEMASTER	WATER TRANS	H3- 3	L--4-6	B------
.368-014 CLERK AND DISPATCHER PILOT STA	WATER TRANS	-3- 3	M--45-	I------
.368-018 DISPATCHER TUGBOAT	WATER TRANS	-3- 5	S---5-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FERRYBOAT OPERATOR CABLE	WATER TRANS	-3P 3	M--45-	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-030 SAILOR PLEASURE CRAFT	WATER TRANS	-3P 5	M234-6	B------
.388-014 WATERWAY TRAFFIC CHECKER	WATER TRANS	-3- 3	S---56	I------

912. AIR TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK COND 1234567
.887-014	LINE-SERVICE ATTENDANT	AIR TRANS	-2-	2	L2-4--	O-----7
.782-010	AIRCRAFT-AIR-CONDITIONING-TRUC	AIR TRANS	-2P	4	M--4--	O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010	LABORER AIRPORT MAINTENANCE	AIR TRANS	-3P	2	M--4--	O------
.488-010	TRAFFIC-RATE CLERK	AIR TRANS	-3-	3	S-----	I------
.388-010	TRIP FOLLOWER	AIR TRANS	-3-	3	L-----	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010	PARACHUTE RIGGER	AIR TRANS	-3P	3	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010	AIRPORT ATTENDANT	AIR TRANS	-3P	5	M--45-	B---5--

913. PASSENGER TRANSPORTATION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CAR CARDER	MOTOR TRANS	-1-	1	L--4--	I------
.883-018	MOBILE-LOUNGE DRIVER	MOTOR TRANS	-3P	4	S--4-6	I------
.363-010	BUS DRIVER DAY-HAUL OR FARM CH	AGRIC	H3P	3	M-3456	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010	AMBULANCE DRIVER	MEDICAL SER	-3P	4	V--4-6	I---56-
.883-014	CHAUFFEUR	ANY IND	-3P	3	L--4-6	B------
.868-010	CALLER	AIR TRANS RR	-2-	2	S---5-	I------
.463-014	BUS DRIVER SCHOOL	MOTOR TRANS	H3P	5	M--456	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.463-010	BUS DRIVER	MOTOR TRANS	H3P	5	M--456	I---5--
.463-016	STREETCAR OPERATOR	RR TRANS	H3P	3	------	------
.463-018	TAXI DRIVER	MOTOR TRANS	H3P	3	M--4-6	I------
.463-022	TRANSIT OPERATOR	MOTOR TRANS	H3P	5	L--456	I---56-
.368-010	ASSIGNMENT CLERK	MOTOR TRANS	-3-	3	S---5-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.168-022	TAXICAB STARTER	MOTOR TRANS	-3-	3	S---5-	I------

PHYS.D WK COND
NRP SVP 123456 1234567

914. PUMPING AND PIPELINE TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LABORER PIPE LINES	PIPE LINES	-2P	2	H-34--	O------
.887-014 PUMPER HELPER	ANY IND	-2-	2	M-34--	B---5--
.885-010 DREDGE OPERATOR BRIDGE	MINING / QUA	-1-	2	S2-4--	I---5--
.885-022 PUMPER, BREWERY	MALT LIQUORS	-2-	3	M-345-	I2-4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014 GAS-TRANSFER OPERATOR	COMP / LIQUE	-2R	2	L--4-6	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 PUMPER	ANY IND	-3-	4	L234--	B--456-
.368-010 DISPATCHER RELAY	PIPE LINES	-3P	5	S--45-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.584-010 LINE WALKER	PETROL PRODU	-3P	4	L--45-	O------

915. PARKING LOT AND RELATED SERVICE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AUTOMOBILE-SLIP-COVER INSTALLE	AUTO SER	-2-	2	M-34--	I------
.887-014 LUBRICATION SERVICER	AUTO SER	-3-	4	M-34--	I------
.887-022 STEAM CLEANER	AUTO SER	-2P	2	M-34--	O--456-
.884-010 GARAGE SERVICER, INDUSTRIAL	AUTO SER	-3-	3	L--4--	O-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 HOSTLER	AUTO SER	-3P	5	L-34-6	B------
.878-018 PARKING-LOT CHAUFFEUR	AUTO SER	-3P	2	L--4--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-014 PARKING-LOT ATTENDANT	AUTO SER	-3P	2	L--4--	B------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 PORTER USED-CAR LOT	RET TR	-2P	2	M-34--	B------
.887-026 TAXI SERVICER	MOTOR TRANS	-2-	2	M-34--	B------
.884-014 TIRE REPAIRER	AUTO SER	-3-	3	M-34--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 AUTOMOBILE-SELF-SERVE-SERVICE-	AUTO SER	H2-	3	L-345-	O------
.867-010 AUTOMOBILE SERVICE-STATION ATT	AUTO SER	H3-	3	M-345-	B-----7
.867-014 TRAILER-RENTAL ATTENDANT	AUTO SER	H3-	3	M-345-	O------
.587-010 GAS-AND-OIL SERVICER	MOTOR TRANS	-2-	2	L--4--	I---567

919. MISCELLANEOUS TRANSPORTATION WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			HRP	SVP	PHYS.D 123456	WK·COND 1234567
.887-014	HERDER, STOCKYARD	AGRIC	-2-	2	M--4--	I--456-
.883-010	CARTER	LOGGING	-2P	3	L--4--	O------
.883-014	DELIVERY DRIVER	ANY IND	-3P	3	L234-6	B---56-
.883-022	DRIVER	AUTO MFG	-2P	3	L--4-6	I------
.883-030	DINKEY OPERATOR	ANY IND	-2P	4	L--4-6	B------
.883-034	RAIL-TRACTOR OPERATOR	IRON / STEEL	-2P	4	L--4--	O-3----
.883-038	TEAM DRIVER, RUTTER	LOGGING	-2P	3	L--4--	O------
.883-042	SNAKER	LOGGING	-2P	3	M-34--	O------
.883-046	RAIL-CAR OPERATOR	LOGGING	-2P	3	L--4-6	I------
.883-050	STREET-SWEEPER OPERATOR	GOV SER	-3P	3	L-----	B------
.883-054	SUPPLIES PACKER	ANY IND	-2P	3	H-34--	O23--67
.883-058	TEAMSTER	ANY IND	-2P	3	M--45-	O------
.883-066	TRACKMOBILE OPERATOR	ANY IND	-3P	3	M-34-6	B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-026	DRIVER-UTILITY WORKER	AUTO MFG	-3P	4	M-34-6	I------
.883-062	TOW-TRUCK OPERATOR	AUTO SER	-3P	3	M-34-6	B---5--
.782-010	REFRIGERATING-MACHINE OPERATOR	MOTOR TRANS	-3P	4	M--4--	B2-----
.368-018	TRAFFIC CHECKER	GOV SER	H3-	2	L-34--	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	CLEANER	ANY IND	-2-	1	M-34--	B--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.478-010	CAR-RENTAL CLERK	AUTO SER	H3-	3	S---5-	I------
.368-010	DISPATCHER CAR RENTAL	AUTO SER	-3P	4	L--45-	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010	CHECKER	MOTOR TRANS	-2-	2	L-----	I----6-
.387-010	NEW-CAR INSPECTOR	MOTOR TRANS	-3P	4	L--456	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-018	DELIVERER, CAR RENTAL	AUTO SER	H3P	3	L--45-	I------
.388-010	OVER-SHORT-AND-DAMAGE CLERK	MOTOR TRANS	-3-	4	S---5-	I------

PACKAGING AND MATERIALS HANDLING (920.-929.)

Occupations in this area are concerned with preparing and arranging materials and products for distribution or storage.

More than half of the occupations in this area make minimum cognitive demands even though each of the eight combinations is demanded by some occupations. Substantial numbers demand moderate language only, perceptual processing only, and a combination of all three types. Language demands derive from activities such as reading or recording contents of packages or crates, shipping or storage information on labels, and production information. Perceptual processing demands derive from activities such as inspecting products for defects, estimating the size of items by sight, sorting products by quality, and placing materials in containers to occupy minimum volume.

Substantial psychomotor skills are demanded by about 40 percent of the occupations for activities such as manipulating products being packaged in a mass production environment and for controlling packaging and labeling machines, hoists, forklifts, and similar equipment. Mechanical skills can be an asset for machine adjustment and minor maintenance of equipment.

Entry opportunities are relatively numerous and spread among production centers, but career progression opportunities are limited.

920. PACKAGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

						PHYS.D	WK COND
						HRP SVP	123456 1234567
.887-010	APPLE-PACKING HEADER	AGRIC	-1-	2	L--4--	B------	
.887-014	BAG LOADER	AMMUNITION	-1-	1	M--4--	I-----7	
.887-018	BAGGER	CLEAN DYE	-1-	1	L--4--	I------	
.887-022	BAGGER	RET TR	-2-	2	M-34--	B------	
.887-026	BALE CAPPER	TOBACCO	-1-	2	V--4--	I------	
.887-030	BALE SEWER	AGRIC	-2P	2	M-34-6	I---6-	
.887-034	BANDER HAND	PAPER GOODS	-1-	1	L--4--	I------	
.887-038	BANDER HAND	TOBACCO	-1-	2	S--4-6	I------	
.887-042	BANDOLEER PACKER	AMMUNITION	-2-	1	S--4--	I------	
.887-046	BLADDER PACKER HAND	TOBACCO	-2-	2	M--4--	I------	
.887-058	CARDBOARD INSERTER	HOSIERY	-1-	2	S--4--	I------	
.887-062	CARRIER PACKER	SURGICAL APP	-2P	2	M--4--	I------	
.887-066	COTTON TIER	AGRIC	-1-	2	L--4--	I---5--	
.887-070	DENTAL FLOSS PACKER	SURGICAL APP	-2-	2	L--4--	I------	
.887-074	GARMENT BAGGER	GARMENT	-2-	2	L--4--	I------	
.887-078	HANDKERCHIEF FOLDER	GARMENT	-1-	2	L--4-6	I------	
.887-082	HOGSHEAD OPENER	TOBACCO	-2P	2	V-34--	I------	
.887-090	LABEL REMOVER	DISTILLED LI	-1-	1	L--45-	I--4---	
.887-098	LINE-OUT WORKER II	TOBACCO	H2P	2	H234--	I---5--	
.887-102	MACHINE-PACK ASSEMBLER	AMMUNITION	-2-	2	M--4--	I------	
.887-106	MARKER	ANY IND	-2P	2	M--4--	I------	

920. PACKAGING (CONT.)

			HRP	SVP	PHYS.D'WK COND 123456 1234567
.887-122	PAPER INSERTER	GLASS MFG	-1P	2	L-34-- I------
.887-130	ROSIN-BARREL FILLER	TURP / ROSIN	-2P	1	L-34-- I------
.887-138	SHINGLE PACKER	SAWMILL	-2P	2	H--4-- I------
.887-146	SHOE PACKER	BOOT / SHOE	-1-	2	L--4-- I------
.887-154	SNUFF-BOX FINISHER	TOBACCO	-2-	2	S--4-- I------
.887-158	SNUFF-CAN ROLLER	TOBACCO	-1-	2	L--4-- I------
.887-162	SNUFF-TUMBLER TOPPER	TOBACCO	-1-	1	L--4-- I------
.887-166	STENCILER	ANY IND	-1-	1	L------ I------
.887-170	STERILIZER	VINOUS LIQUO	-2P	2	H--4-- I------
.887-174	TABLE-COVER FOLDER	HOUSE FURN	-2-	2	L--4-- I------
.887-178	TIE BINDER	GARMENT	-1-	2	L--4-- I------
.887-182	TISSUE INSERTER	HOSIERY	-1-	2	S--4-- I------
.887-186	TOBACCO WRAPPER	TOBACCO	-1-	2	M--4-- I------
.886-010	BANDER-AND-CELLOPHANER HELPER	TOBACCO	-2-	2	L--4-- I------
.886-018	CLOTH-BAG TIER	TOBACCO	-1P	1	L--4-- I------
.886-026	FOLDING-MACHINE FEEDER	TEXTILE	-1-	2	L--4-- I------
.886-034	ORDER FILLER LINSEED OIL	OILS / FATS	-2-	2	M--4-- I------
.886-042	PACKAGING LABORER	ANY IND	-2-	2	H--4-- I------
.886-054	PACKING-MACHINE BAG FEEDER	TOBACCO	-1-	2	L--4-- I------
.886-058	PACKING-MACHINE CAN FEEDER	TOBACCO	-2-	2	L--4-- I------
.886-062	POLY-PACKER AND HEAT SEALER	SURGICAL APP	-2-	1	L--4-- I---5--
.886-066	PRESS BUCKER	ANY IND	-1-	1	H--4-- B------
.886-074	SHEET PRESSER	TEXTILE	-2-	1	L--4-- I------
.886-082	SHUFFLEDOWNER	ROOF MATERIA	-2-	2	M--4-- I------
.886-086	SNUFF DUMPER	TOBACCO	-1-	2	M--4-- I---5-7
.886-098	TAKE-OFF WORKER	NAIL	-2-	2	H--4-- I------
.886-102	TAKE-OFF-AND-FEED WORKER, SNUF	TOBACCO	-1-	1	S--4-- I------
.886-110	TRAY FILLER	TOBACCO	-2-	2	L--4-- I------
.886-114	WEASAND VARNISHER	TOBACCO	-2-	2	L--4-- I------
.885-018	BLOCKER	TRIM / STAMP	-2-	2	M--4-- I------
.885-022	BOTTLE PACKER	MALT LIQUORS	-2-	2	L--4-- I---56-
.885-026	BUNDLE TIER AND LABELER	PLAN MILL SA	-2-	2	M--4-- I---5--
.885-030	CAN STRIPER	CAN / PRESSR	-2-	3	M--4-- I------
.885-034	CANDLE WRAPPING-MACHINE OPERAT	CANDLE	-2-	2	L--4-6 I------
.885-038	CARDER	ANY IND	-2P	2	L--4-- I------
.885-046	CASE-LOADER OPERATOR	MALT LIQUORS	-3-	2	M--4-- I---5--
.885-070	COTTON-ROLL PACKER	SURGICAL APP	-2-	2	L--4-- I---5--
.885-074	CRIMPING-MACHINE OPERATOR	DISTILLED LI	-1-	2	L--4-- I------
.885-078	FEED WEIGHER	CORN PROD	-2-	4	V--4-- I-----7
.885-090	HYDRAULIC-PRESS OPERATOR	TOBACCO	-2-	2	V--4-- I------
.885-094	LABELING-MACHINE OPERATOR	PHONOGRAPH	-2P	2	L--4-- I------
.885-098	LABORER RACK-ROOM	MALT LIQUORS	-3P	2	M-345- I2-45--
.885-102	LACE-ROLLER OPERATOR	LEATHER PROD	-3P	2	M--4-- I------
.885-106	PACKAGE SEALER	ANY IND	-2P	2	M-34-- I------
.885-118	PACKING-MACHINE-PILOT CAN ROUT	TOBACCO	-2-	2	L--4-- I------
.885-122	POUCH-MAKING-MACHINE OPERATOR	TOBACCO	-3-	3	L--4-- I------
.885-126	ROLL FINISHER	PAPER / PULP	-2P	2	H--4-6 I------
.885-134	STEAMER	MALT LIQUORS	-2-	2	L-34-- I------
.885-138	TOBACCO-BUNDLING-MACHINE OPERA	TOBACCO	-2-	3	L--4-- I------
.885-146	UTILITY WORKER, EXPORT DEPARTM	TOBACCO	-2-	3	H-34-- I------
.885-150	WEASAND PACKER MACHINE	TOBACCO	-2P	2	M------ I------
.885-154	WEASAND WASHER	TOBACCO	-2-	2	L--4-- I------

920. PACKAGING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

			PHYS.D	WK	COND		
			HRP	SVP	123456	1234567	
.887-050	BLUEPRINT TRIMMER	ANY IND	-2P	2	L--4--	I------	
.887-086	LABEL CODER	MALT LIQUORS	-2P	2	L--4-6	I------	
.887-126	REPACK-ROOM WORKER	DISTILLED LI	-2P	2	L-34--	I------	
.887-142	SHIPPING PROCESSOR	AIRCRAFT MFG	-3P	2	M-34--	I------	
.886-050	PACKING FLOOR WORKER	TOBACCO	-2P	2	M--4--	I------	
.885-086	FRUIT-PACKING-GRADER OPERATOR	AGRIC WHOLE	-2-	2	L--4--	I------	
.587-010	SAMPLE CLERK, HANDKERCHIEF	GARMENT	-2-	2	L--4-6	I------	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-066	SHOT BAGGER	AMMUNITION	-2-	2	M--4--	I------	
.782-010	ICICLE-MACHINE OPERATOR	DAIRY PROD	-3P	4	L--4--	I--45-7	
.780-010	FILLING-MACHINE SET-UP MECHANI	FOOD PREP N	-3-	3	H--4--	I------	
.687-014	CAN PATCHER	CAN / PRESER	-2-	2	L--4--	I-----7	

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-054	BOTTLING-LINE ATTENDANT	DISTILLED LI	-2P	1	S--4-6	I---5--	
.887-094	LINE-OUT WORKER I	TOBACCO	-2P	2	M234-6	I---5--	
.887-114	PACKER	TOBACCO	-2-	2	M-34-6	I------	
.887-134	SAMPLE MOUNTER	ANY IND	-1-	1	S--4--	I------	
.887-190	TUMBLER UNPACKER	TOBACCO	-1-	1	M--4--	I------	
.886-014	CAN TURNER	TOBACCO	-1-	2	S--4-6	I------	
.886-022	COTTON-BALL BAGGER	SURGICAL APP	-2-	2	L--4--	I---5--	
.886-030	MASKING-MACHINE TENDER	PLASTICS MAT	-2-	2	M--4--	I------	
.886-038	PACKAGE TRAY-UP WORKER	TOBACCO	-2-	2	L--4--	I------	
.886-046	PACKER FEEDER	TOBACCO	-1-	1	L--4--	I------	
.886-070	PRESS FEEDER, BROOMCORN	AGRIC	-2-	2	L2-4-6	O-----7	
.886-090	SNUFF-PACKING-MACHINE AID-FEED	TOBACCO	-1-	2	L--4--	I------	
.886-094	SPOOLER SEQUINS	FABRIC PLAST	-2P	2	L--4--	I------	
.886-106	TOBACCO PACKER	TOBACCO	-2-	2	M--4--	I------	
.885-010	BANDER-AND-CELLOPHANER MACHINE	TOBACCO	-2-	2	L--4-6	I------	
.885-042	CARTON-PACKAGING-MACHINE OPERA	TOBACCO	-2-	2	L--4-6	I------	
.885-050	CASE-PACKING-AND-SEALING-MACHI	TOBACCO	-2-	3	L--4--	I------	
.885-054	CIGAR BRANDER	TOBACCO	-2-	2	L--4-6	I------	
.885-058	CIGARETTE-BOXING-MACHINE OPERA	TOBACCO	-2-	3	L----6	I------	
.885-062	CIGARETTE-PACKING-MACHINE OPER	TOBACCO	-3-	3	M--4-6	I---5--	
.885-082	FILLING-AND-CRIMPING-MACHINE T	AMMUNITION	-2-	2	L--4--	I------	
.885-110	PACKAGER MACHINE	ANY IND	-2-	2	M--4-6	I------	
.885-114	PACKER OPERATOR AUTOMATIC	TOBACCO	-2-	2	V--4-6	I---5--	
.885-130	SNUFF-PACKING-MACHINE OPERATOR	TOBACCO	-2-	2	L--4--	I------	
.885-158	WRAPPER	WIREWORK	-2-	3	L--4--	I------	
.885-162	WRAPPING-AND-CUTTING-MACHINE O	FOOD PREP N	-2-	2	L--4-6	I------	
.884-010	BOXER	STONEWORK	-2P	3	M--4-6	I------	
.884-014	CRATE LINER	FURN	-2P	2	M-----	I------	
.687-018	CAN RECONDITIONER	CAN / PRESER	-2-	2	M-345-	I------	
.687-026	LINEN-SUPPLY LOAD-BUILDER	LAUND	-2-	2	L--4--	I------	
.687-030	SNUFF-CONTAINER INSPECTOR	TOBACCO	-2-	3	L--4-6	I------	
.687-034	VACUUM TESTER CANS	CAN / PRESER	-1-	2	L--45-	I------	

920. PACKAGING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 CAN INSPECTOR — CAN / PRESER -2P 2 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-118 PACKER AGRICULTURAL PRODUCE — AGRIC CAN -3- 2 M-34-6 I--4---
.687-022 CARTON INSPECTOR — TOBACCO -2- 2 S--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-058 TOBACCO-PACKING-MACHINE OPERAT — TOBACCO -3- 3 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-110 PACKAGER HAND — ANY IND -3P 2 M--4-6 I-----7
.885-014 BLISTER PACKER — PEN / PENCIL -2- 2 L--4-- I------
.885-066 COTTON BALER — AGRIC -3- 4 V--4-- I---5--
.884-018 CRATER — ANY IND -3P 3 M--4-- I------
.782-014 MASKING-MACHINE OPERATOR — PLASTICS MAT -3P 4 M--4-- I------
.387-010 INSPECTOR PACKAGING MATERIALS — DRUG PREP -3- 4 L--4-6 I------

921. HOISTING AND CONVEYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 RIGGER HELPER — ANY IND -2- 3 H-34-- O----6-
.887-022 WINDLASS OPERATOR — ANY IND -1- 1 M--4-- B------
.886-010 POND WORKER — PAPER & PULP -1P 2 M2-4-- O--4-6-
.886-014 SARATOGA FILLER — TOBACCO -1- 2 M--4-- I-----7
.885-010 BULL-CHAIN OPERATOR — SAWMILL -2- 2 L--4-- I---5--
.885-014 CAGE TENDER — CONST -1- 2 M-34-- I---56-
.885-030 COOKER LOADER — GREASE / TAL -2- 2 L--4-- I--4--7
.885-034 DRIER-TAKE-OFF TENDER — ELEC EQUIP -2P 2 L--4-- I------
.885-038 ELECTRIC-FORK OPERATOR — AGRIC -2P 3 H234-6 O---56-
.885-046 GRAIN-ELEVATOR-MOTOR STARTER — GRAIN / FEED -2- 2 H--4-- I------
.885-050 LEAF-STORAGE STACKER — TOBACCO -2- 2 M--4-- I------
.885-054 PRODUCTION SUPPLY EQUIPMENT TE — FOOD PREP N -2P 4 M--4-- I------
.883-018 CAPSTAN OPERATOR — CONST -3P 5 M--4-6 B---5--
.883-022 COAL-TOWER OPERATION — LIGHT HEAT -2P 5 L--4-6 I------
.883-034 CONCRETE-TOWER-HOIST OPERATOR — CONST -2P 5 M--4-- B---5--
.883-042 CUPOLA HOIST OPERATOR — FOUND -3P 4 L--4-6 I------
.883-046 DERRICK-BOAT OPERATOR — WATER TRANS -3P 5 L--4-6 O---5--
.883-054 ELECTRIC-MONORAIL-CRANE OPERAT — ANY IND -2P 4 L--4-6 I---5--
.883-058 ELEVATOR OPERATOR FREIGHT — ANY IND -2P 3 H-34-- I------
.883-070 LOADER MALT-HOUSE — MALT LIQUORS -2P 3 M234-- I-----7
.883-078 LOG-YARD DERRICK OPERATOR — SAWMILL -2P 4 M--4-6 O------
.883-086 SHOVEL-LOADER OPERATOR — LOGGING -2P 5 L2-456 O---567
.883-098 TOWER-WHIRLER-OPERATOR — SHIP / BOAT -2P 5 S--4-6 I------
.883-102 TRACTOR-CRANE OPERATOR — ANY IND -2P 4 M--4-6 I------

921. HOISTING AND CONVEYING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK COND
			HRF SVP	123456 1234567
.883-106 TRANSFER CONTROLLER	SAWMILL	-2P 2	M--4--	I---5--
.782-010 GRAB OPERATOR	SUGAR	-1P 4	M--4-6	O------
.782-014 TIPPLE OPERATOR	SAWMILL	-2P 4	M--45-	O---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-082 SCRAPER-LOADER OPERATOR	MINING / QUA	-3P 4	H234--	B---567
.883-090 SKIP OPERATOR	IRON / STEEL	-3P 4	M--4--	O---5-7
.883-094 STATIC-TEST OPERATOR	ORDNANCE	-3P 5	M--4--	B--456-
.883-110 TRUCK-CRANE OPERATOR	ANY IND	-3P 5	M--456	B---5-7
.567-010 TRANSFORMER STOCK CLERK	LIGHT HEAT	-3- 3	M--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 KILN DRAWER	BRICK / TILE	-3P 2	H234--	I-3---
.887-018 WHARF WORKER	WATER TRANS	-2P 3	M--4--	O------
.885-018 COAL-TRIMMER-MACHINE OPERATOR	WATER TRANS	-2P 4	L--4--	O------
.885-026 CONVEYOR TENDER	TOBACCO	-2- 2	L--4--	I------
.883-010 BOOM-CONVEYOR OPERATOR	MINING / QUA	-3P 3	L--4-6	I---5-7
.883-014 CANTILEVER-CRANE OPERATOR	COKE PROD SH	-3P 4	L2-456	I---567
.883-026 COAL-TOWER OPERATOR	WATER TREAT	-3P 5	L--4-6	O------
.883-050 ELECTRIC-BRIDGE-OR-GANTRY-CRAN	ANY IND	-3P 5	L--4-6	B---5--
.883-062 HOISTING ENGINEER	ANY IND	-3P 4	M--456	B---56-
.883-066 HOIST OPERATOR	MINING / QUA	-2P 4	M--456	B---56-
.883-074 LOCOMOTIVE-CRANE OPERATOR	ANY IND	-3P 5	M--456	B---567
.782-018 WAYS OPERATOR	SHIP / BOAT	-2P 4	H--4--	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-042 GRAIN RECEIVER	CORN PROD	-3- 2	L2-4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 CONVEYOR TENDER	AMMUNITION	-3P 3	M--4--	I------
.883-038 CONVEYOR OPERATOR	ANY IND	-3P 5	H--4--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-030 COKE LOADER	COKE PROD	-3P 5	M23456	I----67

922. MATERIALS MOVING AND STORING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASPHALT-PLANT WORKER	CONST	-2- 2	V-34--	O---5-7
.887-014 CONVEYOR WORKER	WATER TRANS	-1- 2	L--4-6	O------
.887-018 BIN FILLER	TOBACCO	-1- 1	L--4--	I------
.887-022 BINDER AND WRAPPER PACKER	TOBACCO	-2P 2	M--4--	I------
.887-026 BOARD LAYER	RUBBER GOODS	-1- 1	L--4--	I------

			HRP	SVP	PHYS.D WK COND 123456 1234567
.887-030	BOAT-LOADER HELPER	WATER TRANS	-3P	2	M234-- O----67
.887-034	BULL-GANG WORKER	TOBACCO	-2-	2	V--4-- I------
.887-042	CAR PINCHER	COKE PROD	-1P	1	H-34-- O------
.887-046	COAL BAGGER	RET TR	-2-	1	V-34-- B------
.887-050	ELECTRIC-HAND-TRANSPORTER OPER	AMMUNITION	-2P	2	H-34-- I------
.887-054	HELPER CLEANER	MACH MFG	-2-	1	V--4-- I---5--
.887-058	ICER	WHOLE TR	-1-	1	H--4-- I------
.887-066	LABORER HEADING	CONST	-1-	1	H-34-- O----6-
.887-082	LOADER HELPER	ANY IND	-2P	3	M234-- O----67
.887-094	LUMBER HANDLER	WOODWORKING	-2P	2	M234-- B----6-
.887-106	MOLD MOVER	SPORTS EQUIP	-1-	1	H-34-- I-3-567
.887-110	PICKLER HELPER	SLAUGHT / ME	-1-	1	M-34-- I--4---
.887-114	POWDER-FARM HELPER	AMMUNITION	-2P	2	M234-- B----6-
.887-122	PULLER	PLAN MILL	-2-	2	M--4-6 I------
.887-126	PUMPER HELPER	SLAUGHT / ME	-1-	2	M-34-- I------
.887-138	TIMBER PACKER	SAWMILL	-1P	2	H--4-- O------
.887-146	WOOL SACKER	AGRIC	-2P	2	M--4-- I-----7
.887-150	YARD LABORER	RET TR WHOLE	-2-	2	H234-- O------
.886-010	CAR-DUMPER-OPERATOR HELPER	MALT LIQUORS	-2-	2	M-34-- I------
.886-014	DUMPER	EXPLOSIVES	-2-	1	H--4-- B----6-
.885-014	CONVEYOR TENDER	COKE PROD	-3P	3	L234-6 I---567
.885-026	CHIP-BIN CONVEYOR TENDER	PAPER / PULP	-2P	3	M2-4-- B------
.885-034	FISH BAILER	FISH	-2-	2	M--4-- B--45--
.883-014	COAL-EQUIPMENT OPERATOR	LIGHT HEAT	-3P	4	M--4-- B-----7
.883-018	INDUSTRIAL-TRUCK OPERATOR	ANY IND	-2P	3	M--4-- B------
.883-026	POWER-BUGGY OPERATOR	ANY IND	-2P	3	H234-- B---56-
.883-030	STRADDLE-TRUCK OPERATOR	ANY IND	-2P	3	L--4-6 B------
.782-010	CAR-DUMPER OPERATOR	MALT LIQUORS	-3P	4	L--4-- B------
.782-018	STACKER AND SORTER OPERATOR	SAWMILL	-2P	4	L--4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-062	LABORATORY-SAMPLE CARRIER	ANY IND	-2P	2	L--4-- I------
.883-022	POWDER-FARM ATTENDANT	AMMUNITION	-3P	4	M234-- B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.883-010	CHIP UNLOADER	PAPER / PULP	-3P	3	M234-- O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-038	CAN FILLER	TOBACCO	-2-	1	M--4-- I------
.887-074	LAST PUTTER-AWAY	BOOT / SHOE	-2-	2	M--4-- I---5--
.887-090	STEVEDORE II	WATER TRANS	-2P	2	V-34-- B------
.887-098	LUMBER-YARD WORKER	WOODWORKING	-2P	3	M234-- B----6-
.887-102	MATERIAL HAULER	CONST	-2P	1	H-34-- O-----6
.887-130	RETURNED-GOODS SORTER	TEXTILE	-1-	1	M-34-- I------
.887-134	SORTER	WOODWORKING	-2-	2	M--4-6 I-----7
.887-142	WEASAND PILER	TOBACCO	-1-	2	M-34-- I------
.885-018	BOAT LOADER	WATER TRANS	-2P	4	M--4-6 O------

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922. MATERIALS MOVING AND STORING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 CEMENT LOADER AND SACKER	CEMENT	-3P	2	H234--	I----67
.885-030 DUMP OPERATOR	ANY IND	-2P	3	L--4-6	B---5--
.885-038 FLUMER	SUGAR	-1-	3	L2-4--	O--4---
.687-010 BOBBIN SORTER	GLASS MFG SY	-2-	2	L-34--	I------
.687-018 YARN SORTER	TEXTILE	-2-	2	M--4--	I------
.487-010 SORTER OPERATOR	SAWMILL	-2-	4	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-086 LOCKER-PLANT ATTENDANT	MOTOR TRANS	-3-	2	M--4-6	I2-----
.887-118 PRIMING-MIXTURE CARRIER	AMMUNITION	-2-	2	L--4--	I----6-
.885-010 BARREL FILLER	VINOUS LIQUO	-2-	3	H--4--	B------
.885-042 PIGMENT PUMPER	RUBBER RECLA	-2-	4	M2-4--	B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-014 FLOUR DISTRIBUTER	MACARONI / R	-3P	4	L2-4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-070 LABORER STORES	ANY IND	-3P	2	M--4--	I------
.887-078 LOADER	ANY IND	-3P	5	M234--	O----67
.886-018 LOWERATOR OPERATOR	LINOLEUM	-2-	2	M--4--	I------
.687-014 YARD WORKER; USED BUILDING MAT	RET TR	-3P	4	M-34--	B----6-

929. PACKAGING AND MATERIALS HANDLING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 HOGSHEAD DUMPER	TOBACCO	-1-	2	V--4--	I---56-
.887-038 ICE-BOX CHECKER	WHOLE TR	-2-	2	L------	I------
.887-042 LABORER HIGH-DENSITY PRESS	AGRIC	-1-	2	L--4--	I----5--
.887-062 PAPER LINER	TOBACCO	-1P	1	L--4--	I------
.887-066 PAPER SPOOLER	CONST	-2P	2	M-34--	O---5--
.887-074 ROLL-COVERER BURLAP	TEXTILE	-1-	2	M-34--	I------
.887-078 ROLLER-UP	TEXTILE	-2-	2	L--4--	I------
.887-082 WOOL TIER	AGRIC	-1-	2	M--4--	I-----7
.886-010 BAND SALVAGER	AGRIC	-2P	1	L--4--	I---5--
.886-018 CIGARETTE SALVAGER	TOBACCO	-2-	2	L-34--	I------
.886-022 CONVEYOR LOADER	SLAUGHT / ME	-2P	2	L--4--	I------
.886-030 FEED-IN WORKER	GRAIN / FEED	-2-	2	H--4--	I-----7
.886-034 FILL-CHUTE OPERATOR	RUBBER GOODS	-1-	2	V-34--	I-----7
.886-038 LABELED-CONTAINER-DRIER FEEDER	TOBACCO	-1-	1	L--4--	I------
.885-010 BALING-MACHINE OPERATOR	ANY IND	-2-	2	H--4--	I------
.885-014 BOX-BRANDING-MACHINE OPERATOR	ANY IND	-1-	2	L--4--	I------
.885-018 BUNDLER	PRINT / PUB	-1-	2	M--4--	I------
.885-022 COMPRESS OPERATOR	AGRIC	-2-	4	H----6	I---5--
.885-026 PRESSER	ASBESTOS PRO	-1-	2	M--4--	I------
.885-030 TYING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I------
.885-034 TYING-MACHINE OPERATOR	WOODWORKING	-3P	2	H234--	I----6-

929. PACKAGING AND MATERIALS HANDLING, N.E.C. (CONT.

.884-010 PACKER	ORDNANCE	-3P	5	M--4--	I----6-
.883-010 LOGGING-TRACTOR OPERATOR	FORESTRY LOG	-3P	5	L--4-6	O---56-
.883-014 MARSH-BUGGY OPERATOR	CONST	-3P	4	L--4--	O---5--
.883-018 MUSKEG OPERATOR	LOGGING	-3P	5	L--4-6	B------
.883-022 PAN-SEED ROUSTABOUT	SUGAR	-3P	3	H--4--	I------
.883-026 RUT CUTTER	LOGGING	-3P	5	L--4--	O------
.883-030 SNOWMOBILE DRIVER	ANY IND	-3P	5	L--4-6	B------
.883-034 SPRINKLER OPERATOR	LOGGING	-3P	5	M--4--	O------
.883-038 TRACTOR OPERATOR	ANY IND	-3P	5	H23456	O---5--
.687-018 WRAPPER COUNTER	TOBACCO	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 CLOTH-BOLT BANDER	TEXTILE	-2-	2	M--4--	I------
.887-026 DUMPER	ANY IND	-3P	2	H2-4--	B--567
.886-026 CRAYON-SORTING-MACHINE FEEDER	PEN / PENCIL	-2-	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 CHECK WEIGHER	SUGAR	-2-	2	M--4--	I------
.886-042 LABORER BAKERY	BAKE PROD.	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CIGAR-PACKER HELPER	TOBACCO	-2-	1	M--4--	I------
.887-022 CUTTER BANANA ROOM	WHOLE TR	-2-	2	M--4--	I------
.887-030 FLOOR WORKER	CHEW GUM	-2-	2	L--4--	I---5--
.887-070 RETURNED CASE INSPECTOR	MALT LIQUORS	-2-	2	L--4-6	I------
.886-014 CARTON NESTER	TOBACCO	-2-	2	L--4--	I------
.688-010 CAN INSPECTOR	TOBACCO	-1-	2	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-050 MATERIAL HANDLER	ANY IND	-3P	3	V234--	B-34567
.883-042 YARD WORKER	AGRIC	-3P	4	M-----	O------
.487-010 STOCK MIXER	FELT GOODS T	-2-	3	M-34-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-046 LABORER SALVAGE	ANY IND	-2P	2	H-34-6	I------
.887-054 MUNITIONS HANDLER	AMMUNITION	-2-	2	H--4-6	B----6-
.887-058 NUT-AND-BOLT ASSEMBLER	NUT / BOLT	-2-	2	M--4--	I------
.887-086 YARD LABORER	WHOLE TR	-3-	2	M-34--	B------
.782-010 CONVEYOR-LINE OPERATOR AUTOMAT	ANY IND	-3P	5	H--4--	I------
.687-010 PICKER BEAM PRESS OR CLICKER	RUBBER GOODS	-3-	3	L--4--	I---5--
.687-014 UPPER-LEATHER SORTER	BOOT / SHOE	-3-	4	L--4-6	I------
.387-010 OPERATOR SCALES	PLASTICS MAT	-3P	5	L--4-6	I----6-

EXTRACTION OF MINERALS (930.-939.)

Occupations in this area are concerned with quarrying; extraction of minerals such as coal, ores, natural gas, and crude petroleum; and the crushing, screening, washing, floatation, and similar processes which take place at or near the extraction site.

The various occupations demand all eight combinations of cognitive capabilities. More than half make minimum cognitive demands and substantial numbers demand moderate language only and perceptual processing only. The predominant language demand is for verbal communication. Some occupations also require the recording of production information such as hole depth, results of safety inspections, and the nature of problems encountered. Maps and diagrams are sometimes used to record information. Perceptual processing demands derive from activities such as observing boring equipment to detect signs of binding; examining and feeling samples to classify soil type and moisture content; detecting cracks and other defects in pipes; estimating impurities; and evaluating the consistency of mixes. Mathematics demands derive from activities such as making measures related to boring and cutting operations, interpreting readings from gauges and instruments, and computing amounts and proportions of tamping and cement materials required for a given size and depth of bore hole.

About half of the occupations demand psychomotor skills for the operation of machinery and power tools. Mechanical skills can be an asset for adjustment and minor maintenance of machinery and equipment.

Mechanization and automation have tended to hold down growth in many of these occupations, but many new entry opportunities can be expected. Mining has had a high occupational safety and health risk. Opportunities for career progression are generally limited to skilled equipment operator and first line supervision.

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930. BORING, DRILLING, CUTTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BOTTOM-HOLE-PRESSURE-RECORDING	PETROL PRODU	-2-	3	M--4--	O------
.887-014	BREAKER	MINING / QUA	-1-	2	H--4--	O------
.887-022	POINT DRIVER	MINING / QUA	-2P	2	V--4--	O------
.884-010	CASER	PETROL PRODU	-2P	4	H234-6	O---56-
.884-014	CEMENTER HELPER OIL WELL	PETROL PRODU	-3P	5	H-34--	O---56-
.884-018	CLEAN-OUT-DRILLER HELPER	PETROL PRODU	-3P	5	H-34--	O--456-
.884-022	ROTARY DERRICK OPERATOR HELPER	PETROL PRODU	-3-	4	H234-6	O---56-
.884-030	JACKHAMMER OPERATOR	MINING / QUA	-2P	2	H-34--	B---5--
.883-018	CONTINUOUS-MINING-MACHINE OPER	MINING / QUA	-3P	5	M-34--	I---567
.883-026	HARVESTER OPERATOR	SALT PRODUCT	-3P	4	L--4--	O------
.883-030	ROOF BOLTER	MINING / QUA	-3P	4	H-34-6	I---567
.883-034	SIDE-SHEARING-MACHINE OPERATOR	SALT PRODUCT	-2P	5	H--4--	O------
.782-018	CHURN-DRILL OPERATOR	MINING / QUA	-3P	5	H-34--	O---5--
.782-034	DRILLER MACHINE	ANY IND	-3P	5	H--4-6	O---56-
.782-046	PIPE TESTER	PETROL PRODU	-2P	5	H2-4--	O----6-

930. BORING, DRILLING, CUTTING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 CORE SPLITTER — MINING / QUA -2- 1 L--4-- I------
.884-042 ROTARY-DRILLER HELPER — PETROL PRODU -3P 4 H-34-- O---56-
.883-014 CLEAN-OUT DRILLER — PETROL PRODU -3P 5 H-34-- O---56-
.782-030 DRILLER JET PIERCING — MINING / QUA -3P 5 H--4-6 O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 MUD-PLANT OPERATOR — PETROL PRODU -3P 4 H-34-- O---5--
.782-026 ROTARY DERRICK OPERATOR — PETROL PRODU -3P 5 M2-4-6 O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014 CUTTER-OPERATOR HELPER — MINING / QUA -2P 2 H-34-- I---567
.886-018 DRILLER HELPER — ANY IND -2P 2 H--4-6 O---56-
.885-010 MUD-CLEANING MACHINE OPERATOR — PETROL PRODU -2P 4 L--4-- O---5--
.884-046 WELL-DRILL-OPERATOR HELPER ROT — CONST -3P 4 V234-- O--4567
.883-010 CHANNELING-MACHINE RUNNER — MINING / QUA -3P 4 M--4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.886-010 CORE-DRILL-OPERATOR HELPER — ANY IND -2- 2 M--4-- B---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.883-038 UNIVERSAL-CUTTING-MACHINE OPER — MINING / QUA -3P 5 M--4-6 I---567
.883-042 WELL PULLER — PETROL PRODU -3P 5 H-34-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-034 OIL-PIPE-INSPECTOR HELPER — PETROL PRODU -3P 4 H-34-6 O----6-

931. BLASTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BLASTER AIRDOX — MINING / QUA -3P 4 M-345- I---567
.781-010 SAMPLE-TAKER OPERATOR — PETROL PRODU -3P 5 M--4-6 B---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-018 GUN-PERFORATOR LOADER — PETROL PRODU -3P 5 V-34-- I--4-6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 DUMPER-BAILER OPERATOR — PETROL PRODU -3P 5 H234-- O---56-

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932. LOADING AND CONVEYING.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOTTOMER	MINING / QUA	-2P	4	H--4-- B----67
.887-014 CHUTE LOADER	MINING / QUA	-2P	1	M--4-- B-----7
.887-018 HEAD WORKER	MINING / QUA	-2-	4	H--4-- B----67
.887-022 LOADING-SHOVEL OILER	MINING / QUA	-2P	3	M2-4-- O---5--
.887-026 SCRAPER-LOADER OPERATOR HELPER	MINING / QUA	-2-	2	M-34--I--4567
.884-010 BRAKE HOLDER	ANY IND	-2P	3	M-34-- O------
.883-010 CAR DROPPER	MINING / QUA	-2P	3	M-34-- B------
.883-018 LOADING-MACHINE OPERATOR	MINING / QUA	-3P	5	M--4-6 I---567
.883-026 SHUTTLE-CAR OPERATOR	MINING / QUA	-2P	4	M--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-022 MECHANICAL-SHOVEL OPERATOR	MINING / QUA	-3P	5	M--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 AERIAL-TRAM OPERATOR	MINING / QUA	-2P	4	L--456 B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-014 HOIST OPERATOR	PETROL PRODU	-3P	5	M234-- O----6-

933. CRUSHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 CRUSHER SETTER	MINING / QUA	-2P	3	M--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 COBBER	MINING / QUA	-2-	2	M--4-- I------

934. SCREENING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FOOT WORKER	SALT PRODUCT	-2P	2	M--4-- I------
.887-018 GRIZZLY WORKER	MINING / QUA	-1-	3	H-34-- B--4567
.885-010 CONE OPERATOR	MINING / QUA	-2P	3	L-34-6 I---5-7
.885-018 JIG RUNNER	MINING / QUA	-2P	3	M--4-- I---5-7
.885-022 SHAKER TENDER	MINING / QUA	-2P	3	M-34-- I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CLEANER	MINING / QUA	-2-	2	L--4-6 I-----7
.885-014 FLOATER	MINING / QUA	-2-	4	L--4-- O-----7
.885-026 SPIRAL RUNNER	MINING / QUA	-2P	4	M--4-- I---5--

939. EXTRACTION OF MINERALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

				PHYS.D WK COND HRP SVP 123456 1234567
.887-014	CAR CLEANER	MINING / QUA	-2- 1	M234-- B-----7
.887-018	COMPANY LABORER	MINING / QUA	-2- 1	V-34-- B-----7
.887-022	LABORER	PETROL PRODU	-2P 1	V-34-- O--456-
.887-026	LATRINE CLEANER	MINING / QUA	-2- 2	M23--- B2-45-7
.887-034	ROCK-DUST SPRAYER	MINING / QUA	-2P 3	M-34-- I-----7
.887-038	SAMPLE WASHER	PETROL PRODU	-1- 2	L--4-- I--4---
.887-042	SAND DRIER	MINING / QUA	-1- 2	M-34-- I------
.887-054	TIMBER FRAMER HELPER	MINING / QUA	-2P 3	M-34-- I--4-6-
.884-010	ACIDIZER HELPER	PETROL PRODU	-3P 5	H-345- O---56-
.884-014	FORMATION-FRACTURING-OPERATOR	PETROL PRODU	-3P 4	H-345- O--456-
.884-026	OBSERVER HELPER SEISMIC PROSPE	PETROL PRODU	-3P 4	M-34-6 O------
.884-030	SHOREHAND, DREDGE OR BARGE	MINING / QUA	-2- 4	H234-- O--4---
.782-022	PNEUMATIC-JACK OPERATOR	PETROL PRODU	-3P 5	H--4-- O--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010	CAGER	MINING / QUA	H3- 4	H-345- B---567
.887-050	SPRINKLER	MINING / QUA	-2- 1	M-34-- I--4---
.368-010	DISPATCHER OIL WELL SERVICES	PETROL PRODU	H3- 5	S--45- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.883-010	OBSERVER HELPER GRAVITY PROSPE	PETROL PRODU	-3P 3	M-34-- O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030	QUARRY WORKER	MINING / QUA	-3P 2	H234-- O------
.887-046	SAND FILLER	MINING / QUA	-2P 2	M--4-- B--4---
.884-022	MINER PLACER	MINING / QUA	-3P 4	H234-- O--4---
.782-010	DRY-PLACER-MACHINE OPERATOR	MINING / QUA	-3- 4	M--4-- O---5--
.387-014	DOWSER	BUS. SER	-3- 5	L--4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018	SAFETY-LAMP KEEPER	MINING / QUA	-3- 4	L--4-6 I------
.782-030	SECTION-PLOTTER OPERATOR	PETROL PRODU	-3P 5	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018	PANELBOARD OPERATOR	MINING / QUA	-3P 5	L--456 I---5-7
.387-010	COAL INSPECTOR	MINING / QUA	-3- 5	L--4-6 B-----7

LOGGING (940.-949.)

Occupations in this area are concerned with cutting trees in forest areas and the removal of logs to storage or transportation areas.

Over half of the occupations in this area make only minimum cognitive demands and a considerable proportion of the rest demand only perceptual processing. Perceptual processing demands derive from activities such as classifying tree species and grading logs according to factors such as shape, rot, knots, and splitting. Language demands derive largely from verbal communications and interpretation of specifications relating tree types, diameter, length, and similar characteristics. Mathematics demands derive from measurement of log sizes and the computation of marketable content value.

The use of hand and power tools and the operation of log skidding, loading, and processing equipment demands considerable psychomotor skill. Mechanical skills can be an asset for minor maintenance of equipment.

Only 44 occupational titles are listed in this handbook for this area and the numbers of job opportunities per title are not large. Opportunities for career progression tend to be limited to skilled equipment operation. Work is likely to be seasonal in parts of the country having severe winters.

940. TIMBER CUTTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

			PHYS.D	WK	COND
			HRP SVP	123456	1234567
.884-010 BUCKER	LOGGING	-2P 5	H234--	O---56-	
.884-014 CORDWOOD CUTTER	LOGGING	-2P 5	H234-6	O---56-	
.687-010 BARK FITTER	LOGGING	-2P 3	M--4--	O----6-	

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CEDAR-POST CUTTER	AGRIC	-2P 2	M -4--	O------
.884-018 FALLER	LOGGING	-3P 5	H234-6	O---56-
.884-022 LIMBER	LOGGING	-1P 2	H234--	O---56-
.884-026 LOGGER ALL-ROUND	LOGGING	-2P 5	H234-6	O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-018 POST CUTTER	AGRIC	-2P 2	H-34--	O------
.884-034 RIVER	LOGGING SAWM	-3P 3	H234-6	O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-014 PIECE MAKER	LOGGING	-3P 2	H--4--	O------

941. LOG INSPECTING, GRADING, SCALING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 LOG BRANDER	LOGGING	-3P	2	M234--	O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-014 TIE INSPECTOR	SAWMILL	-3-	2	H--4-6	O------
.684-010 LOG SORTER	LOGGING	-3P	4	H234--	O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.488-010 LOG SCALER	LOGGING PAPE	-3-	3	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 PICKER	EXCELSIOR	-3-	2	H--4--	O------
.487-010 SCALER WOOD	PAPER / PULP	-3-	4	M2-4-6	O------

942. LOG SORTING, GATHERING, STORING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOLT LOADER	SAWMILL	-1-	2	H-34--	I------
.887-018 CHOKE SETTER	LOGGING	-2-	2	V234--	O---56-
.887-022 DECK WORKER	LOGGING	-2-	2	M--4--	O------
.887-026 JAMMER	LOGGING	-1-	3	V234--	O---56-
.887-034 LOG LOADER	LOGGING	-2-	2	V--4--	O----6-
.887-038 LOG-HAUL OPERATOR	SAWMILL	-2-	2	H2-4--	O----6-
.887-042 PEELER	LOGGING SAWM	-2P	2	H-34--	O--4---
.887-046 PLUG SETTER	LOGGING	-1-	2	M--4--	O------
.887-050 SIDE-LINER	LOGGING	-1-	2	M--4--	O------
.887-054 SLED TENDER	LOGGING	-2-	2	M--4--	O------
.884-014 LOG DRIVER	LOGGING	-2P	4	V234-6	O--456-
.884-018 RAFTER	LOGGING	-2P	4	H234--	O--4-6-
.884-022 RIGGER SECOND	LOGGING	-2P	4	M--4-6	O----6-
.883-010 LOG-LOADER OPERATOR	LOGGING	-2P	3	H--4-6	O------
.883-014 WINCH-TRUCK OPERATOR	LOGGING	-2P	3	M--4-6	O------
.687-010 PULP PILER	LOGGING	-1P	2	H--4--	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CHASER	LOGGING	-3P	3	V234-6	O---56-

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HRP SVP 123456 1234567

949. LOGGING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUSH MONKEY	LOGGING	-1-	2	M--4--	O------
.887-014 GATE TENDER	LOGGING	-2-	2	M2-4--	O------
.887-022 RIGGER THIRD	LOGGING	-2-	2	M--4--	O------
.887-026 ROAD MAKER	LOGGING	-2P	2	M--4--	O------
.887-030 SWAMPER	LOGGING	-2P	2	V234--	O---5-7
.883-010 THIRD LOADER	LOGGING	-2P	3	H234--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 WHISTLE PUNK	LOGGING	-2-	2	L--456	O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 HEWER	LOGGING	-2P	2	M--4--	B------
.886-010 STICKER PULLER	SAWMILL	-2P	2	M--4--	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 SECOND LOADER	LOGGING	-2-	5	H234--	O---56-

PRODUCTION AND DISTRIBUTION OF UTILITIES (950.-959.)

Occupations in this area are concerned with the generation, transmission, and distribution of power and water to industrial and residential users and the collection, treatment, and/or disposal of sewage and refuse.

About one-quarter of the occupations in this area make minimum cognitive demands; another quarter demand a combination of language and mathematics; and a somewhat lesser proportion demand all three types. Language demands derive from activities such as comparing process status information with specifications, recording a variety of operating data, and use of technical concepts in verbal communication. Mathematical demands derive largely from interpreting the large quantities of important numerical data about processes, but computational demands are usually not great. Perceptual processing demands usually derive from detecting defects in processes, materials, or equipment.

Rapid and accurate response to process or equipment problems can be critical. Mechanical, electrical, chemical, or biological knowledge can be an asset depending upon the type of process involved.

There are only 57 occupational titles listed in this handbook for this area, but some of the titles have large numbers of opportunities. Career progression prospects are relatively good.

950. STATIONARY ENGINEERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		GED	SVP	PHYS.D WK COND HRP SVP 123456 1234567
.885-010 AIR-COMPRESSOR OPERATOR	ANY IND	-2P-	3	M--4-- B---5--
.885-014 BOILER-ROOM HELPER	ANY IND	-3-	3	L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 HUMIDIFIER ATTENDANT	TEXTILE TOBA	-3-	3	L2-4-- I---567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 VENTILATION EQUIPMENT TENDER	ANY IND	-3P-	3	L--4-6 I---5--

951. FIRING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 FUEL-HOUSE TENDER	SAWMILL	-1-	2	L2-4-- I---67
.885-014 FIRER, HIGH PRESSURE	ANY IND	-2P-	4	M234-6 B-3456-
.885-018 FIRER, LOW PRESSURE	ANY IND	-2P-	4	M234-6 I-3456-

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951. FIRING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-022 FIRER, MARINE — WATER TRANS -2P 4 M-34-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 COAL-SUBSTATION ATTENDANT — ANY IND -2- 4 M--4-- I------

952. GENERATION, TRANSMISSION, AND DISTRIBUTION OF ELECTRIC POWER

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FLOOR HELPER, DISTRIBUTION SUB — LIGHT HEAT -2- 3 M--4-- B------
.887-018 HYDROELECTRIC PLANT MAINTAINER — LIGHT HEAT -2P 3 M234-- B----6-
.887-022 LABORER ELECTRIC POWER AND TRA — CONST LIGHT -2- 2 M-34-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 COAL SAMPLER — RET TR -2- 2 L--4-- O-----7
.887-026 STREET-LIGHT CLEANER — LIGHT HEAT -2- 2 L2-4-- O----6-
.884-014 TROUBLE SHOOTER — LIGHT HEAT -3- 5 L2-4-- B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CABLE MAINTAINER — LIGHT HEAT -3- 3 L234-- O----6-
.781-010 SWITCH INSPECTOR — LIGHT HEAT -3P 5 M2-4-6 O----6-
.588-010 TURBINE ATTENDANT — LIGHT HEAT -3- 4 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 LABORER POWERHOUSE — LIGHT HEAT -3P 3 H234-- B---567
.782-010 AUXILIARY-EQUIPMENT OPERATOR — LIGHT HEAT -3P 5 M234-- I------
.388-010 FIELD RECORDER — LIGHT HEAT -3- 4 L--4-- O------
.387-014 POWERHOUSE RUNNER — LIGHT HEAT -3- 5 L--4-6 I------

953. PRODUCTION AND DISTRIBUTION OF GAS

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 LABORER GAS PLANT — LIGHT HEAT -2- 2 M234-- B-34567
.884-010 GAS FITTER PRESSURE — LIGHT HEAT -2P 3 M-34-- O------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 SHUT-OFF-VALVE OPERATOR — LIGHT HEAT -2P 3 L--4-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-010 DRIP PUMPER — LIGHT HEAT -2P 3 L--4-- B------

953. PRODUCTION AND DISTRIBUTION OF GAS (CONT.)

.782-010 FUEL ATTENDANT — ANY IND -2P 5 L--4-- I------
.782-018 GAS-PUMPING-STATION OPERATOR — LIGHT HEAT -3P 5 L--4-6 B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.387-018 GAS-METER CHECKER — LIGHT HEAT -3- 3 L---6 B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 GAS-METER INSTALLER APPRENTICE — LIGHT HEAT H3- 3 M-34-- B------
.782-014 GAS OPERATOR PRODUCER — ANY IND -2P 4 L--4-- I------
.684-010 GAS QUALITY CONTROLLER — LIGHT HEAT H3P 4 L2-456 I----67
.387-010 CYLINDER INSPECTOR-AND-TESTER — COMP / LIQUE -3P 4 H-34-- I------
.387-022 HOUSE-PIPING INSPECTOR — LIGHT HEAT H3P 5 L-34-6 B------
.387-026 UTILITY INSPECTOR — LIGHT HEAT -3- 5 L-34-6 B------

954. FILTRATION, PURIFICATION, AND DISTRIBUTION OF WATER

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 RIVER-PUMP ATTENDANT — WATERWORKS -2- 2 M-34-- B--4---
.884-014 WATER-METER INSTALLER — WATERWORKS -3- 4 M-34-6 B--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 FILTER-BED PLACER — CONST -2- 3 M234-- O------
.887-014 WATER-FILTER CLEANER — WATERWORKS -2- 2 H--4-- B--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BASIN OPERATOR — WATERWORKS -3- 4 M2345- O--4-6-
.884-010 SERVICE REPRESENTATIVE — WATERWORKS -3- 3 M-34-- B--4---
.782-010 DITCH RIDER — WATERWORKS H3P 4 M-34-- O--4---
.782-018 SEWAGE-PLANT OPERATOR — ANY IND -3- 5 L234-- B----6-
.368-010 WATER-SERVICE DISPATCHER — WATERWORKS H3- 4 L---5- I------

955. REFUSE AND SEWAGE DISPOSAL

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 SNOW SHOVELER — GOV SER -2- 1 H-34-- O------
.887-018 STREET CLEANER — GOV SER -1- 1 L-34-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 SEWAGE-DISPOSAL WORKER — SANITARY SER -3- 2 H-34-6 O-34--7
.887-022 UTILITY CLEANER — GOV SER -2P 1 M--4-6 I-----7

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955. REFUSE AND SEWAGE DISPOSAL (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-010 WASTE DISPOSER — ANY IND. -3P 5 H-34-6 B----67
.782-010 CLARIFYING-PLANT OPERATOR — TEXTILE -3P 4 M--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 SEWAGE-PLANT ATTENDANT — SANITARY SER -3P 4 M2345- O--4-67-
.884-010 INCINERATOR-PLANT ATTENDANT — SANITARY SER -3- 4 H-34-- B-3---7

957. TRANSMISSION OF COMMUNICATIONS, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 ASSIGNMENT CLERK — TEL / TEL -3- 3 S--45- I------

959. PRODUCTION AND DISTRIBUTION OF UTILITIES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 TREE TRIMMER, LINE CLEARANCE I — LIGHT HEAT -2P 2 H-34-- O----6-
.884-014 TREE TRIMMER I — LIGHT HEAT -2P 5 H2-4-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 POLE FRAMER I — LIGHT HEAT -3P 3 V234-- O------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-014 ELECTRIC POWERLINE EXAMINER — LIGHT HEAT -3P 5 M2-4-6 O------

AMUSEMENT, RECREATION, AND MOTION PICTURE WORK (961.-969.)

Occupations in this area are very diverse. A majority of the occupations are in the motion picture industry. Many of the jobs require machine operation of some sort, but some are strictly laboring type activities.

About one-third of the jobs make no special cognitive demands. The remainder are about equally divided among the remaining cognitive demands configurations. Language demands are usually associated with communicating and interpreting verbal instructions. Mathematics demands are associated with such things as estimating distances or dimensions for placing or moving objects or equipment. Perceptual processing requirements are usually associated with visual and auditory inspection and with using these inputs as cues for proceeding to a different stage of performance.

About one-half of the jobs have a requirement for psychomotor skill, usually for finger dexterity and eye-hand coordination in the manipulation of film, tape, etc., or in the operation of fine-scale equipment. Only a few of the jobs require human relations skills and these are usually coupled with a requirement for an attractive and distinct appearance. Certain selected jobs make demands for moderate levels of strength and stamina.

Opportunities in this area are exceedingly limited and competition for the more attractive jobs is especially keen. Career progression opportunities are also limited.

961. MODELING AND RELATED WORKS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

		GED	SVP	PHYS.D WK COND HRP 123456 1234567
.868-014 MODEL ARTISTS	ANY IND	H2P	2	L----- I------
.868-022 STAND-IN	MOTION PIC	H2-	1	L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.868-018 MODEL PHOTOGRAPHERS	ANY IND	H3P	4	L--456 B------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.868-010 DOUBLE	AMUSE / REC	H3P	3	L234-- B------

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HRP SVP 123456 I234567

962. MOTION PICTURE PRODUCTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FILM LOADER — MOTION PIC -1- 2 H--4-- I------
.887-014 PROPERTY HANDLER — MOTION PIC R -2- 2 H-34-- I------
.887-034 SWING-GANG WORKER — MOTION PIC -2- 2 H-34-- B------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 PROPERTY HANDLER — MOTION PIC -2- 4 L--4-- B----6-
.884-022 GREENS PLANTER — MOTION PIC -2- 5 M-34-- B------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026 STAGE HAND — MOTION PIC -2- 2 M--4-- I------
.885-010 DUBBING-MACHINE OPERATOR — MOTION PIC -3P 4 M--4-- I------
.884-030 MOTOR-POWER CONNECTOR — MOTION PIC -2- 5 L--4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 RIGGER — MOTION PIC H -3P 2 H234-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 FOREIGN-TITLE BREAKER — MOTION PIC -2- 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-030 STAND-BY GRIP — MOTION PIC -3- 4 L--4-- I------
.884-014 FILM SPLICER — MOTION PIC -2P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-014 FILM INSPECTOR — MOTION PIC -3P 4 L--4-- I------
.884-026 MICROPHONE-BOOM OPERATOR — MOTION PIC -3P 5 L--4-- I------

963. RADIO AND TELEVISION PRODUCTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DOLLY PUSHER — RADIO / TV B -1- 2 M--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.382-010 TELEPROMPTER OPERATOR — RADIO / TV B -2P 5 L--4-- I------

964. THEATRICAL AND RELATED ENTERTAINMENT PRODUCTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 STAGE CLEARER — AMUSE / REC -1- 2 M-34-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 FLYER — AMUSE / REC -2P 5 L--45- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 GRIP — AMUSE / REC -2P 5 H--4-- I------

969. MISCELLANEOUS AMUSEMENT, RECREATION, AND MOTION PICTURE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CIRCUS LABORER — AMUSE / REC -2- 2 M-34-- I------
.887-014 ICE MAKER, SKATING RINK — AMUSE / REC -2P 2 M2-4-- I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.688-010 FILM VIEWER — MOTION PIC -3- 4 S----6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-010 FILM INSPECTOR — MOTION PIC -3P 4 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 FIREWORKS DISPLAY SPECIALIST — FIREWORKS -3P 2 M--4-- O------
.387-010 CUSTODIAN, ATHLETIC EQUIPMENT — AMUSE / REC H3P 5 L--45- I------

GRAPHIC ART WORK (970.-979.)

Occupations in this area are concerned with illustrating, hand composition, reproduction of photographs, various means of producing standard type styles, bookbinding, and similar work such as silk screening.

The various occupations demand each of the eight combinations of cognitive capabilities. About one-quarter of the occupations make minimum cognitive demands, another quarter demand only perceptual processing, and an appreciable proportion of the remainder demand all three types. Perceptual processing demands derive from making aesthetic judgments necessary to achieve desired visual effects; mixing pigments to give desired color and shade; coordinating colors; composing elements within a picture; and creating a dramatic effect to draw attention. Language demands derive largely from the need to understand the needs and objectives of clients for the graphic art work. Mathematical demands derive from activities such as measuring for layouts; mixing solutions, calculating exposures, computing reductions and enlargements, and computing charges.

Dexterous use of the hands is required for handling tools and instruments, free-hand lettering and drawing, retouching, precision pasting, cutting, and aligning negatives.

There are relatively numerous opportunities, but it is a popular field, and competition is keen. Free-lance work is possible, but the failure rate is high.

PHYS.D WK COND
HRP SVP 123456 1234567

970. ART WORK, BRUSH, SPRAY, OR PEN

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 AIRBRUSH OPERATOR — PRINT / PUB -2P 3 L--4-6 I-----7
.781-010 SPOTTER PHOTOGRAPHIC — ANY IND -3P 5 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-018 PAINTER AIRBRUSH — ANY IND -3P 5 L--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 COLORER — PRINT / PUB -3P 3 S--4-6 I------
.081-010 SIGN WRITER HAND — ANY IND -3P 5 S--4-6 I------

971. PHOTOENGRAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ETCHER HELPER HAND — PRINT / PUB -3P 2 V-34-- I------

971. PHOTOENGRAVING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 STAGER — PRINT / PUB -2P 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 PRINTING-CHASE OPERATOR — ELECTRONICS -2P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.684-010 BLOCKER — PRINT / PUB -3P 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 ROLLER-PRINT TENDER — PRINT / PUB -3P 3 V-34-6 I------

972. LITHOGRAPHY AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 PLATE SETTER — PRINT / PUB -2- 2 S--4-- I------

973. HAND COMPOSITION, TYPESETTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-010 TYPOGRAPHER-PROOFER — PRINT / PUB -3- 5 S----- I------

976. DARKROOM WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FILM NUMBERER — ANY IND -2P 3 L--4-- I------
.887-022 PRINT WASHER — ANY IND -2P 3 L--4-- I--4--
.887-026 TRANSFERRER NUMBER — MOTION PIC -2- 2 L--4-- I------
.885-014 DEVELOPING-MACHINE OPERATOR — MOTION PIC -2P 4 M--4-- I------
.885-022 MOUNTER COLOR FILM — ANY IND -2P 2 L--4-6 I------
.885-026 PACO-MACHINE OPERATOR — ANY IND -2P 4 L--4-- I--4---
.884-042 SPLICER — ANY IND -2P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030 PRINT DEVELOPER MACHINE — ANY IND -3P 3 L--4-- I------
.782-022 MULTIPLE-PHOTOGRAPHIC-PRINTER — ANY IND -3P 5 S--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-018 FILM PRINTER — MOTION PIC -2P 5 L--4-- I------

PHYS.D WK COND
HRP SVP 123456 1234567

976. DARKROOM WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-034 X-RAY-DEVELOPING-MACHINE OPERA MEDICAL SER -2- 2 L--4-- I------
.884-010 CARBON PRINTER PRINT / PUB -2P 5 L--4-- I------
.884-022 FILM CUTTER ANY IND -2P 2 L--4-- I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 FILM LOADER ANY IND -2P 3 L--4-- I------
.886-010 PHOTOGRAPH FINISHER ANY IND -3P 2 L--4-- I------
.885-018 FILM-DRYING-MACHINE OPERATOR MOTION PIC -3P 4 M--4-- I------
.884-038 SCREEN PHOTOGRAPHER WALLPAPER -3P 3 L-34-- I--4---
.588-010 FILM-REPLACEMENT ORDERER MOTION PIC -2- 4 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 MOUNTER HAND BUS SER -3P 2 S--4-- I------
.884-030 NEGATIVE CUTTER MOTION PIC -2P 5 L--4-- I------
.884-034 NEGATIVE-CUTTER-AND-SPOTTER ANY IND -3P 3 S--4-6 I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-018 PHOTOGRAPHER HELPER ANY IND -3- 3 M--4-- I--4--7
.885-010 DEVELOPER COLOR PHOTOGRAPHY BUS SER -3P 4 L--4-- I------
.782-026 RECTIFICATION PRINTER ANY IND -3P 4 L--4-6 I------
.687-010 PHOTO CHECKER AND ASSEMBLER ANY IND -3- 4 L--4-6 I------

977. BOOKBINDING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOOKMAKER MAP PRINT / PUB -2P 2 L--4-- I------
.884-026 COVERER LOOSELEAF BINDER PRINT / PUB -2P 4 L--4-- I------
.884-034 PRESSER PRINT / PUB -2P 4 L--4-- I------
.884-038 STITCHER HAND PRINT / PUB -3P 4 L--4-6 I------
.782-010 BOOK-SEWING-MACHINE OPERATOR PRINT / PUB -2P 4 L--4-6 I--5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-018 BOOKBINDER APPRENTICE PRINT / PUB -3P 3 L--4-6 I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 BOOK REPAIRER ANY IND -2P 3 L--4-- I------
.884-022 CASER PRINT / PUB -2P 4 L--4-- I------
.884-030 INLAYER PRINT / PUB -2P 4 S------ I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-010 CASE-MAKING-MACHINE OPERATOR PRINT / PUB -2P 4 L--4-- I------
.884-042 TIPPER PRINT / PUB -3P 3 L--4-6 I------

979. GRAPHIC ART WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 PRINT-SHOP HELPER	PRINT / PUB	-3P	2	M--4--	I---5--
.884-038 SILK-SCREEN PRINTER	ANY IND	-2P	5	L--4-6	I------
.782-038 ROUTER	PRINT / PUB	-3P	5	L--4--	I------
.781-018 SKETCH MAKER	ANY IND	-2P	4	L--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-014 PHOTOSTATIC-PRINT CUTTER	ANY IND	-2P	2	L--4--	I------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ENGRAVER	PRINT / PUB	-2P	3	S--4--	I------
.884-018 GOLD-LEAF STAMPER	ANY IND	-3P	3	L--4-6	I------
.884-022 IMPRESSION PRINTER	PRINT / PUB	-3P	3	V--4-6	I------
.884-026 MAP-AND-CHART MOUNTER	PRINT / PUB	-3P	5	L--4--	I------
.884-030 SCREEN PRINTER	TEXTILE	-2P	3	L--4-6	I------
.884-034 SILK-SCREEN MACHINE OPERATOR	POTTERY / PO	-3P	5	L--4-6	I------
.884-042 WALLPAPER PRINTER	WALLPAPER	-3P	5	L--4-6	I------
.782-030 PROOFING-MACHINE OPERATOR	PRINT / PUB	-3P	4	M--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 PHOTOLITH OPERATOR	ANY IND	-3P	3	L--4--	I------
.782-026 PANTOGRAPHER	PRINT / PUB	-3P	4	L--4-6	I------
.781-010 ENGRAVER	PRINT / PUB	-3P	5	L--4--	I------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-014 GLOBE MOUNTER	PRINT / PUB	-2P	3	L--4-6	I------
.687-010 EXAMINER	PRINT / PUB	-2-	4	S-----	I------
.387-010 PRINT INSPECTOR	BUS SER	-3-	5	S--4-6	I------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 BLUEPRINTING-MACHINE OPERATOR	ANY IND	-3P	5	L--4--	I------
.382-010 PHOTOSTAT OPERATOR	ANY IND	-3P	5	L--4-6	I--4---