

SURPLUS PROPER^{the}

SECTION I

Metals and Metal Basic Products

SECTION II

Wood Basic and Finished Products

1944

**PREPARED FOR THE
SURPLUS WAR PROPERTY ADMINISTRATI
BY THE
WAR PRODUCTION BOARD**

establishing
property
the col-
ing pages,

shown in preparing re-
s property describe adequately such property for
oses.

contained in the column headed "Information Needed"
the form of a series of questions varying according to the
ts covered by the table. The answers to these questions
together constitute a description of the item being listed. Be-
cause many materials, commodities, or products are of a similar
nature or manufacture, it is possible to describe them by asking the
same series of questions about them. Consequently, such similar
items have been grouped together in a single table.

All the tables covering a major group of commodities have been
assembled together in a section. The entire handbook is divided
into 22 such sections as shown by the Section Index in the back of
this volume. A volume may consist of only 1 section or may com-
prise 2 or more.

On each page, the questions which are asked have been phrased in
the manner and in terms applicable to the products they seek to
describe and represent the usual trade or commercial descriptive data
needed in cataloging or purchasing such commodities in normal busi-
ness sales operations. This is the information Federal agencies must
have to carry out transfers or sales of surplus property.

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General Instructions for Using the Handbook Describing Surplus Property

I. HOW TO USE THE HANDBOOK

1. In the back of each volume of the handbook is a general alphabetical index to the handbook sections. In this alphabetical index look for the item you are going to report, for example, "Steel bar." As the terms and names used in this over-all index are general rather than specific in nature specific items such as "Steel bar" are not likely to be found listed as such. Therefore, it will be necessary to refer to the major group name in which "Steel bar" would be included; in this case, "Steel and Steel basic shapes and forms" which the index shows as covered in Section I of the handbook.

2. Look in the alphabetical index of Section I to find the table covering "Steel bars" which will be found listed as "Bar", page 5. (When more than one table appears on a page, each table will be identified by a letter in addition to the page number, e. g. 19 (A), 19 (B), etc.) In the column headed "Information Needed" on page 5, of Section I, will be found the descriptive data necessary to properly inventory "Steel bar."

3. An example (fictitious, of course) is also shown of the manner in which the questions asked in the "Information Needed" column should be answered.

4. The proper unit to be used on the inventory report for reporting quantities has been established in the lower section of the table.

5. Thus, the description of "Steel bar" as written out in the inventory report in accordance with the standards established on page 5, would appear as follows:

"Steel bar, corrosion-resisting (12% chromium), annealed and cold-worked, round, 12 feet long, 1 1/4" diameter, in straight lengths, Fed. spec. QQ-S-763a, class 6, type C-----3.6 tons"

II. IMPORTANT POINTS TO BE CONSIDERED

1. *Describe completely the product being reported.*—The information shown in the column head "Information Needed" is a guide to help you provide such a complete description. All questions listed should be answered insofar as they are applicable to the product being described. If some of the information shown as necessary cannot be obtained, it should be indicated in the report as "not available." For example, in reporting a lot of round wooden poles, the question is asked "if treated, state method and extent of treatment." If the record of the method of treatment is not available but it can be seen that the poles were treated full length, the report should read "treated, method not available, full length treatment." Failure to furnish all the information called for may reduce the disposal value of the item and may greatly increase the difficulties in disposing of it.

2. *Make all description details self-explanatory.*—Where the description includes numbers or other designations not intelligible in themselves, they must be identified by qualifying words or phrases. For example, you should say "Size 5" instead of just "5", or "12 ft. outside diameter," not just "12 ft."

3. *State clearly the unit used to report quantity.*—If a unit is shown as "Preferred" in the lower part of the table, it is intended that this unit should be used in preparing the inventory report. Units indicated as "Acceptable" may be used, but should be avoided because their use will require that the quantity be converted later to the units shown under "Preferred." If the unit used is "Packages" or similar expression, the piece count or other quantity contained in each package must be clearly indicated. For example, it would be acceptable to report "5,000 packages of 100 each," or "2,000 packages of 1 gross each," or "6,000 boxes of 12 one-pound cans each."

III. SPECIAL INSTRUCTIONS FOR REPORTING

1. *Specifications.*—In many instances identification of the nature or composition of property is requested in terms of the specifications applicable, using the symbols or codes of systems established by engineering and technical societies, trade organizations, and Government agencies for such purposes. Where such specifications are called for, the answer should be the specification under which the item was originally purchased. The name of the organization issuing the specification and the complete identifying symbol should be given, including such prefixes or suffixes as may be required. For most specifications, the number of the specification alone does not completely identify the object. Frequently the symbol covers two or more grades, classes, or types, particularly in the case of alloys or metals, which should be separately identified. Similarly, when the specification permits any physical characteristics of the object to vary, such as temper, finish, type of edge, etc., that characteristic should be identified also.

2. *Dimensions.*—Frequently in the following pages it has been possible to indicate the specific dimensions needed to describe the object being reported; sometimes, however, it has been necessary to ask the question concerning dimensions in a much more general way, such as just "Dimensions." In such cases, those dimensions which are obviously applicable to the object being described, should be given. It is important, in reporting dimensions, to make certain that they are properly identified to indicate the dimension of the object they cover, such as "12 inch inside diameter," ".063 in. wall thickness," "14 ft. 3 in. over-all length," etc.

3. *Random lengths.*—Property being listed on inventory reports should be separated into lots wherein all factors such as dimensions, composition, etc., are identical. In the case of lengths, property should be separated into lots of the same lengths; where this is not feasible, pieces of varying lengths may be included in one lot. If this is done, the lot should be described as "Random lengths" and the length of the longest and shortest piece given, thus "Random lengths between 12'-0" and 6'-0"."

4. *Composite items.*—In describing objects which are composed of more than one major item mounted, attached or connected together, such as an electric motor and a blower, a gasoline engine and a compressor, a truck with special pumping equipment or a tractor with a scraper blade mounted on it, the composite should be listed as a unit in reporting. However, each major object of the composite should be described separately in the manner shown as required by the tables of the handbook covering those products. Descriptive phrases such as "mounted on," "equipped with," "attached to," "connected to" should be used to indicate the composite nature of the item being reported. For example, in the case of an electrically operated blower, the blower should be described in the detail called for by the suitable handbook page, followed by the statement "direct connected to . . ." and continue with the proper description of the motor. If the combined unit is mounted on a cast iron base, for example, the description should continue "mounted on . . ." and indicate the type of base.

5. *Condition.*—Condition of the item being described has not been covered by this handbook. The condition must be taken into consideration, however, and the method of indicating it on a report should be by using the code provided in Regulation No. 1 issued by the Surplus War Property Administration and such other regulations as may be issued in connection with it.

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METALS AND METAL BASIC PRODUCTS

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MILL AND REFINERY BASIC SHAPES AND FORMS

Type of Products Covered

Anodes	Ingot	Slabs
Billets	Ingot Bars	Sponge
Blooms	Mercury	Wedge Bars
Bullion	Muffs	Wedge Cakes
Cakes	Notchbar	Wire Bars
Cathodes	Nuggets	Wire Rods
Granular Ingot	Pig	Etc.
Hollow Ingot	Shot	

*Information Needed**Example*

- | | |
|---|---|
| 1. Descriptive name of product..... | Pig. |
| 2. Metal or alloy (commercial designation—for <i>bab-bitt metal</i> state nominal composition, thus "90% tin"). | Primary aluminum. |
| 3. Grade or quality (commercial designation)..... | |
| 4. Specification, including source or issuer..... | U. S. Navy 46A2c. |
| 5. Type, class, or grade (as designated in spec.)..... | Grade 1. |
| 6. Size or dimensions (if not covered by spec.)..... | |
| 7. Weight each..... | Approx. 50 lb. each. |
| 8. Physical description (if not covered by spec.)..... | |
| 9. Origin, foreign or domestic (for <i>silver</i>)..... | |
| 10. How identified..... | Each pig stenciled with lot number and separated into lots of approx. 2,000 lb. |
| 11. NOTE.—If specification is not given, the following additional information should be furnished: | |
| a. Chemical analysis..... | |
| b. Physical properties..... | |
| c. Resistivity (for <i>copper</i> only)..... | |

*Unit for Reporting Quantity**Steel and iron:*

Preferred: Ton (2,000 lb.).....

Acceptable: Pound or piece*.....

Precious metals:

Preferred: Troy ounce.....

Acceptable: Pound.....

All other metals:

Preferred: Pound.....

Acceptable: Ton or piece*.....

2,500 lb.

*Number of pieces is not acceptable unless weight per piece is included; thus "50 pigs of 50 pounds each."

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 213, 214, 215, 221, 222, 230, 241, 242, 243, 244, 245, 246, 247, 248, 249.

MILL PRODUCTS IN PRIMARY FORM

Type of Products Covered

Plate	Leaf	Extruded Shapes	Tube, Seamless*
Sheet	Ribbon	Rigid Conduit	Pipe, S. P. S., or
Strip	Bar	Wire (Except Insulated and Electrical	I. P. S.*
Foil	Rod	Conductivity Wire)	Elec. Met. Tubing

Except: Solder and Welding Rod, table 9 (A); Plating Anodes, table 9 (B); Structural Shapes (unfabricated), Piling, Rails, and Reinforcing Bars, table 10 (A); Wire Rope and Cable, not Electric, table 14 (B).

*For all other forms of Tube, use table 12 (A).

*Information Needed**Example*

1. Descriptive name of product (see pages 6, 7, and 8 for Standard Designation of Products).....	Condenser tube.
2. Metal or alloy (commercial designation).....	Aluminum bronze.
3. Grade or quality (commercial designation).....	-----
4. Specification, including source or issuer.....	Fed. QQ-T-951d.
5. Type, class, or grade (as designated in spec.).....	Alloy 7.
6. Dimensions, as applicable:	
a. Shape (for rods, bars, etc.).....	-----
b. Thickness.....	-----
c. Width.....	-----
d. Length.....	14 ft. 6½ in. long.
e. Diameter (distance between parallel surfaces for hexagons, etc.; indicate if outside, inside, S. P. S., or I. P. S. for tubular products.).....	1¼" O. D.
f. Wall thickness.....	.083" wall thickness.
7. Type of edge (for strip and other flat products).....	-----
8. Finish or coating.....	Tinned inside only.
9. Heat treatment.....	Ends annealed.
10. Temper or hardness.....	-----
11. How furnished or packed (straight lengths, in coils, rolls, on reels, etc.).....	Uniform straight lengths.
12. If in cases, coils, etc., weight of case, coil, etc.....	Cases 900 lb. gross wt.
13. Origin, foreign or domestic (for silver).....	-----
14. NOTE.—If specification is not given, the following additional information should be furnished:	
a. Chemical analysis.....	-----
b. Analysis of coating.....	-----
c. Physical properties.....	-----
d. Dimensional tolerances.....	-----

*Unit for Reporting Quantity**Steel and iron:*

Preferred: Ton (2,000 lb.).....

Acceptable: Pound or piece* by name.....

Aluminum:

Preferred: Pound and piece* by name.....

Acceptable: Pound or piece* by name.....

Precious metals:

Preferred: Troy ounce.....

Acceptable: Pound.....

Other metals:

Preferred: Pound..... 15,500 lb.

Acceptable: Ton or piece* by name.....

*Number of pieces is not acceptable if dimensions are not included in the description, or if pieces are not of uniform size.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 215, 223, 224, 225, 229, 241, 242, 243, 244, 245, 246, 247, 248.

STANDARDS FOR DESCRIBING SURPLUS PROPERTY

Special Instructions Applying to Page 5, Mill Products in Primary Form
**STANDARD DESIGNATION OF FLAT-ROLLED STEEL PRODUCTS
 BY SIZES**

HOT ROLLED STEEL

Width in inches	Thickness in inches						
	.250 or thicker	.2499 to .1875	.1874 to .0563	.0562 to .0344	.0343 to .0255	.0254 to .0142	.0141 and thinner
Up to 3½ incl.....	Bar	Strip	Strip	Strip	Strip	Sheet	Sheet
Over 3½ to 6 incl...	Bar	Strip	Strip	Strip	Sheet	Sheet	Sheet
Over 6 to 12 incl...	Plate	Strip	Strip	Sheet	Sheet	Sheet	Sheet
Over 12 to 32 incl...	Plate	Sheet	Sheet	Sheet	Sheet	Sheet	Black Plt.
Over 32 to 48 incl...	Plate	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet
Over 48.....	Plate	Plate	Sheet	Sheet	Sheet	Sheet	-----

COLD ROLLED STEEL

Width in inches	Thickness in inches		
	.250 and thicker	.2499 to .0142	.0141 and thinner
Up to 12 incl.....	Bar	Strip	Strip
Over 12 to 24 incl.....	Strip ¹	Strip ¹	Strip ¹
Over 12 to 24 incl.....	Sheet ²	Sheet ²	Black Plate ²
Over 24 to 32 incl.....	Sheet	Sheet	Black Plate
Over 32.....	Sheet	Sheet	Sheet

¹ When a definite temper, or a special edge, or special finish is specified.

² When no special temper, edge or finish is specified.

**Special Instructions Applying to Page 5, Mill Products in Primary Form
STANDARD DESIGNATION OF FLAT-ROLLED AND FLAT-DRAWN
NONFERROUS PRODUCTS BY SIZES**

ALUMINUM

Width in inches	Thickness in inches		
	.250 and thicker	.006 to .249	.0059 and thinner
Up to 10 incl.-----	Bar ¹	Strip Strip	Foil Foil
Up to 10 incl.-----	Plate ²		
Over 10 to 20 incl.-----	Plate	Sheet ³	Foil Foil
Over 20-----	Plate		

¹ If with rolled edges.

² If with sheared or sawed edges.

³ Called "Coiled Sheet" if in coils, "Flat Sheet" if flat.

ROLLED ZINC

Width in inches	Thickness in inches	
	¼ inch and thicker	Incl. .006 up to ¼
Up to 12 incl.-----	Plate Plate	Strip (Ribbon)*
Over 12 to 36 incl.-----		Sheet
Over 36 to 60 incl.-----		Sheet

*Strip may be rolled into coils or may be packed flat.

**COPPER, BRASS AND OTHER NONFERROUS METALS
EXCEPT ALUMINUM AND ZINC**

Width in inches	Thickness in inches		
	Thicker than ¾¢	Over .003* to ¾¢ incl.	.003* and thinner
Up to 1¼ incl.-----	Bar	{ Flat wire ¹ Square wire ² Strip ³	} Foil
Over 1¼ to 12 incl.-----	Bar		
Over 12 to 20 incl.-----	Plate	Strip	Foil
Over 20-----	Plate	Sheet	Foil

*Except for tin and lead, for which use .005.

¹ Rectangular in cross-section, with rolled or drawn edges.

² Nominally square cross-section, with rolled or drawn edges.

³ With slit, sheared or sawed edges.

Applicable to Products to be Described by the Use of Page 5

STANDARD DESIGNATION OF PRODUCTS
OTHER THAN FLAT

- Wire:** All shapes, types and sizes, if of solid cross-sections and if *in coils*. For steel, in addition, it must have been drawn to be considered wire. For steel only, FLAT WIRE will have a width of $\frac{1}{4}$ " or less, or a cross-sectional area not exceeding .050 sq. in.
- Rod:** For steel: Rounds in coils, up to and including $\frac{3}{4}$ " diameter. For nonferrous metals: Rounds, hexagons and octagons in straight lengths.
- Bar:** In addition to the classification shown under "Flat Products," bars, for steel only, include all straight lengths, all cross-sections (except angles, channels, T's, etc.) and rounds over $\frac{3}{4}$ " when in coils.
- Shapes:** For nonferrous metals: Cross-sections other than round, hexagonal, octagonal, rectangular and square, when in straight lengths. Generally identified by a manufacturer's die number. Description should include name of manufacturer and die number where this information can be obtained.
- Pipe:** Tubular products when conforming to the particular dimensions commercially known, for steel and aluminum, as "Iron Pipe Sizes" (I. P. S.) and for other nonferrous metals as "Standard Pipe Sizes" (S. P. S.). There are three wall thickness groups, classified respectively as "Standard" or "Regular," "Extra Strong" or "Extra Heavy," and "Double Extra Strong" or "Double Extra Heavy." The size is indicated as "Nominal Size," which is roughly the inside diameter for sizes up to and including 12". Sizes over 12" are designated by outside diameter.
- Tubing:** For steel: usually indicated with a modifying term, including seamless and welded; mechanical tubing, pressure, boiler, conduit, automotive, refrigerator, conveyor, etc.
For aluminum: Seamless drawn tubing, usually identified by outside diameter (O. D.) and wall thickness; further identified by a modifying term indicating shape if other than round, as "Square," "Rectangular," "Streamline," etc.
- Tube:** For nonferrous metal except aluminum: all hollow forms (when S. P. S., is called "Pipe," see above). Dimensions are customarily the outside diameter and the wall thickness. For copper tube only, when conforming to the standardized sizes, it is known as "Copper Water Tube" and designated by a type, such as K, L or M. This type refers to a range of wall thicknesses. The size is designated by a nominal size which roughly corresponds to the inside diameter.

SOLDER AND WELDING ROD

Type of Products Covered

(A)

Bar Solder
Brazeing RodBrazeing Solder
Brazeing WireWelding Rod
Welding Wire

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Welding rod.
2. Metal or alloy—commercial designation (for <i>solder</i> , this should be stated as the nominal composition, thus "50-50 tin-lead").	Aluminum alloy.
3. Grade or quality (commercial designation).....	.....
4. Spec., including source or issuer (for <i>welding rod</i>).....	Fed. QQ-R-571.
5. Type, class, or grade (as designated in spec.).....	Type E.
6. Size or diameter.....	1/8" diameter.
7. Straight lengths or coils?.....	In straight lengths.
8. If straight, length of rod.....	36" long.
9. If coils, weight per coil.....	.....
10. Type of coating (if not covered by specification).....	.....
11. Intended use.....	For gas welding.
12. Name of manufacturer.....	A. L. X. Co.
13. Brand name.....	Alexco Welding Rod No. 6.
14. NOTE.—If specification is not given for <i>welding rod</i> the following additional information should be furnished:	
a. Chemical analysis.....	.....
b. Analysis of coating.....	.....
c. Certified tests made.....	.....

Unit for Reporting Quantity

Preferred: Pound.....	2,800 lb.
Acceptable: Package and package content.....	56 pkg.—50 lb. each.

ANODES FOR PLATING

Type of Products Covered

(B)

Ball Anodes

Contour Anodes

Flat Anodes

Oval Anodes, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Oval anode.
2. Material (state whether cast or rolled).....	Cast copper.
3. Grade or quality (commercial designation).....	Electrolytic.
4. Specification, including source or issuer.....	A. S. T. M. B7-41.
5. Type, class, or grade (as designated in spec.).....	.....
6. Dimensions.....	Standard oval 20" long.
7. New or used.....	New.
8. If used, percent of original weight.....	.....
9. Name of manufacturer.....	Made by G Anode Co.
10. Brand name.....	"Boma" brand.
11. NOTE.—If specification is not given, the following additional information should be furnished:	
a. Chemical analysis.....	.....

Unit for Reporting Quantity

Preferred: Pound.....	18,400 lb.
Acceptable: Ton (2,000 lb.).....	.....

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 225, 245, 247, 248, 345, (except plating anodes, which are not separately classified).

**STRUCTURAL SHAPES (UNFABRICATED),
PILING, RAILS AND REINFORCING BARS**

(A)

Type of Products Covered

Angles	H-Beams	Reinforcing Bars	T-Bars
Bearing Piles	I-Beams	Sheet Piling	Z-Bars
Channels	Railroad Rails	Street Railing Rails	Etc.

Information Needed

Example

- | | |
|---|------------------------|
| 1. Descriptive name of product..... | Reinforcing rod. |
| 2. Metal or alloy (commercial designation)..... | Carbon steel. |
| 3. Grade or quality (commercial designation)..... | Rolled from billets. |
| 4. Specification, including source or issuer..... | Fed. QQ-B71a. |
| 5. Grade (as designated in specification)..... | Grade 2, intermediate. |
| 6. Type (as designated in specification)..... | Type B, deformed. |
| 7. Type or style (as designated by manufacturer)..... | Diamond design. |
| 8. Dimensions: | |
| a. Shape..... | Round. |
| b. Thickness or dia. (O. D. and wall for <i>hollow piles</i>)..... | 3/4". |
| c. Depth of section (leg length for <i>angles</i>)..... | ..... |
| d. Weight per foot (wt. per yard for <i>rails</i>)..... | ..... |
| e. Length..... | 20 ft. lengths. |

Unit for Reporting Quantity

- | | |
|---------------------------------|----------|
| Preferred: Ton (2,000 lb.)..... | 50 tons. |
| Acceptable: Pound..... | ..... |

RAILROAD TRACK ACCESSORIES

(B)

Type of Products Covered

Crossings	Frogs	Railroad Spikes	Railroad Bolts,
Joint Bars	Switches	Tie Plates	Nuts, Washers, etc.

Information Needed

Example

- | | |
|--|------------------|
| 1. Descriptive name of product..... | Railroad spikes. |
| 2. Material..... | Steel. |
| 3. Specification, including source or issuer..... | ..... |
| 4. Type (plain or reinforced)..... | ..... |
| 5. Dimensions: | |
| a. Thickness or diameter..... | 3/16" thick. |
| b. Width..... | ..... |
| c. Length..... | 6' long. |
| 6. Finish (plain, galvanized, etc.)..... | ..... |
| 7. Type point (cut point, screw, etc. for <i>spikes</i>)..... | Cut point. |
| 8. Section number (for <i>joint bars, frogs, etc.</i>)..... | ..... |
| 9. Number and spacing of bolt holes (for <i>joint bars</i>)..... | ..... |
| 10. Indicate single or double shoulder (for <i>tie plates</i>)..... | ..... |
| 11. Weight and angle (for <i>crossings</i>)..... | ..... |
| 12. Packaging or bundling..... | 200 lb. kegs. |

Unit for Reporting Quantity

- | | |
|---------------------------------|-----------|
| <i>Spikes, bolts, etc.:</i> | |
| Preferred: Keg..... | 500 kegs. |
| Acceptable: Pound or ton..... | ..... |
| <i>Joint bars, frogs, etc.:</i> | |
| Preferred: Piece..... | ..... |
| Acceptable: Pound or ton..... | ..... |
| <i>Tie plates:</i> | |
| Preferred: Ton or pound..... | ..... |
| Acceptable: Piece..... | ..... |

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 215, 223, 229, 259.

FABRICATED STRUCTURAL AND ARCHITECTURAL METAL PRODUCTS

Type of Products Covered

Bridge Steel	Flooring	Subway Grating
Building Steel	Joists	Ornamental Architectural
Doors, Frames	Sash	Metal Work
Extruded Molding and Trim	Shutters	Portable Building Sec- tions, Knocked Down
Fences and Gates, Except Wire	Ship Section	Tower
Cut and Bent Pipe	Stack	Window Frames
Grilles	Stairs, Stair Cases	Prefabricated
	Stair Treads	Reinforcement Bars
	Fire Escapes	

*Information Needed**Example*

1. Descriptive name of product.....	Stair tread.
2. Metal or alloy (commercial designation).....	Carbon steel.
3. Grade or quality (commercial designation).....	Cold rolled.
4. Specification, including source or issuer.....	Fed. QQ-S-671.
5. Type, class, or grade (as designated in spec.).....	-----
6. Dimensions, as applicable:	
a. Thickness.....	.150" thick.
b. Width.....	8¾" wide.
c. Diameter (indicate if outside, inside, S. P. S.; or I. P. S. for <i>tubular products</i>).....	-----
d. Depth of section (for <i>I-beams</i> , etc.).....	-----
e. Length.....	30½" long.
7. Degree of fabrication.....	Standard punching for attaching to stair channel.
8. NOTE.—If dimensions and degree of fabrication can- not be given otherwise, they should be covered by a sketch indicating type and all dimensions of the fabricated product.	-----
9. Finish (painted, lead-coated, galvanized, etc.).....	Commercial finish.
10. Color, if painted.....	-----
11. Intended use.....	-----
12. Name of manufacturer.....	Ibex Grating Co.
13. Catalog or design number.....	Design No. 49-B.

Unit for Reporting Quantity

Preferred: Piece and total weight.....	2,000 treads, 10,000 lb.
Acceptable: Piece or total weight.....	-----

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 251, 252.

STORAGE TANKS, LARGE PIPE, ETC.

<i>Type of Products Covered</i>		
(A) Storage Tanks	Rubber Lined Tanks	Riveted and Lock Joint Pipe
Truck Tanks	Sheet Metal Pipe	Welded Pipe, other than I. P. S.
Processing Tanks	Corrugated Pipe	Brazed Pipe, other than S. P. S.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Culvert pipe.
2. Metal or alloy (commercial designation).....	Wrought iron.
3. Grade or quality (commercial designation).....	Copper-bearing.
4. Material specification, including source or issuer.....	Fed. QQ-I-716.
5. Type, class, or grade (as designated in spec.).....	Class D 1.
6. Specification or code covering product.....	Apco standard c3.
7. Allowable pressure, lb. per sq. in. (for <i>processing tanks</i>).....	-----
8. Dimensions (<i>tanks</i>):	
a. Capacity in gal. or cu. ft.....	-----
b. Inside diameter.....	-----
c. Inside height.....	-----
d. Cover (indicate if included).....	-----
e. Details of supports, manholes, etc. (sketch).....	-----
9. Dimensions (<i>tubular products</i>):	
a. Outside diameter.....	24" O. D.
b. Metal thickness.....	.093" wall.
c. Length.....	12 ft. lengths.
d. If corrugated, details of corrugations.....	Corrugated, 1½" by ⅝"
10. Type construction (welded, riveted, etc.).....	Riveted.
11. Finish (painted, galvanized, etc.).....	Galvanized.
12. Name of manufacturer.....	Apco Pipe Co.

Unit for Reporting Quantity

Preferred: Length or item.....	178 lengths.
Acceptable: Pound or ton (<i>pipe only</i>).....	-----

STAMPED, PRESSED, AND PERFORATED METAL BASIC PRODUCTS

<i>Type of Products Covered</i>	
(B) Aircraft Body Sections	Railway and Street Car Body Sections
Machinery Sections	Automotive Vehicle Body Sections
Perforated Metal Sheets, Strips, and Other Basic Shapes	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Automobile fender.
2. Material.....	Steel.
3. Specification covering base material, including source or issuer.....	-----
4. Type, class, or grade (as designated in spec.).....	-----
5. Specification covering fabricated product, including source or issuer.....	-----
6. Size and shape, including print or sketch.....	See Sketch.
7. Finish.....	Rough finish.
8. If perforated, shape and dimensions of perforations, and distances between perforations.....	-----
9. Intended use, indicating model number and make for which made.....	For right front fender, Delhi model 39.

Unit for Reporting Quantity

Preferred: Piece and weight in tons.....	400 pc.—1 ton.
Acceptable: Pound.....	-----

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 224, 241, 242, 244, 245, 246, 247, 248, 251, 254, 256.

CASTINGS AND FORGINGS (NOT MACHINED)

Type of Products Covered

(A)

Cast Iron Pipe	Forgings (all types)	Sand Castings
Die Castings	Permanent Mold Castings	Semi-perm. Mold Castings
Locomotive and Railway Car Wheels and Axles (Machined or Rough)		

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Die press forging.
2. Metal or alloy (commercial designation).....	Aluminum.
3. Grade or quality (commercial designation).....	14-S.
4. Specification, including source or issuer.....	Navy 46 M-1-S.
5. Type, class, or grade (as designated in spec.).....	Alloy 9.
6. Dimensions, including sketch.....	Dimensions, see drawing.
7. Weight each.....	Wt. 3¼ oz. each.
8. Temper.....	.....
9. Intended use.....	For ammeter housing.
10. How packed and identified.....	Packed in cases of 100.
11. NOTE.—If specification is not given, the following additional information should be furnished:	
a. Chemical analysis.....	.....
b. Physical properties.....	.....
<i>Unit for Reporting Quantity</i>	
Preferred: Both pound and piece.....	700 lb., 3,200 pieces.
Acceptable: Pound or piece.....	.....

AMMUNITION SHAPES

Type of Products Covered

(B)

Cups	Discs	Slugs	Rotating Bands
Blanks (A "blank" is a relatively small piece cut from a primary product, intended for further fabrication).			

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Disc.
2. Metal or alloy (commercial designation).....	70/30 brass.
3. Grade or quality (commercial designation).....	Cartridge grade.
4. Specification, including source or issuer.....	A. S. T. M. B-19-42T.
5. Type, class, or grade (as designated in spec.).....	.....
6. Dimensions, as applicable:	
a. Diameter (O. D. for rotating bands).....	Circle 6" dia.
b. Thickness (Wall thickness for rotating bands).....	.45" thick.
c. Width.....	.....
d. Length.....	.....
7. Heat treatment.....	Annealed.
8. Temper.....	Soft temper.
9. Intended use.....	For cartridge cases.
10. NOTE.—If specification is not given, the following additional information should be furnished:	
a. Chemical analysis.....	.....
b. Physical properties.....	.....
c. Grain size (for nonferrous).....	.....
d. Dimensional tolerances.....	.....
<i>Unit for Reporting Quantity</i>	
Preferred: Pound.....	14,200 lb.
Acceptable: Piece, by name.....	3,550 discs.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 215, 216, 226, 227, 228, 229, 241, 242, 243, 246, 247, 256.

WIRE AND CABLE: ELECTRICAL CONDUCTIVITY

(A)

Type of Products Covered

Armored Cable	Bare Cable and Wire*	Insulated Wire
Armored Wire	Insulated Cable	Stranded Wire

*If not for electrical conductivity purposes, see page 5, or below.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Armored cable.
2. Material.....	Copper.
3. Type or specification, including issuer.....	Type RLJFJ Parkway, I. P. C. E. A.
4. Size of conductor including gauge designation.....	No. 4 A. W. G.
5. Number of strands per conductor.....	7 strand.
6. Number of conductors.....	3 conductors.
7. Rated voltage.....	3,000 volts.
8. Length per piece.....	5 pcs. of 1,000 ft. each, and 1 pc. of 460 ft.
9. How furnished (on reels, spools, in coils, etc.).....	On wooden reels.
10. Name of manufacturer.....	John Doe Electric Co.
11. Brand or trade name.....	Parklay cable.
12. NOTE.—If specification is not given, the following additional information should be furnished:	
a. Type of insulation.....	.....
b. Type of cover.....	.....
c. Intended use.....	.....
d. Color coding.....	.....

*Unit for Reporting Quantity**Bare, magnet and weatherproof wire:*

Pound.....	.....
<i>All other types:</i>	
Foot.....	5,460 ft.

WIRE ROPE AND CABLE: NOT ELECTRICAL CONDUCTIVITY

(B)

Type of Products Covered

Wire Rope	Wire Cable	Wire Cord	Strand
-----------	------------	-----------	--------

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Wire rope.
2. Metal or alloy.....	Steel.
3. Grade or quality.....	Improved plow.
4. Specification, including source or issuer.....	Spec. Navy 22-R-3F.
5. Type, class, or grade (as designated in spec.).....	Type A.
6. Diameter.....	$\frac{3}{4}$ " diameter.
7. Basic construction (number of strands and wires).....	6 x 19.
8. Type of construction (individual strand make-up).....	Type "W".
9. Lay (right, left, reverse, etc., and regular or lang, etc.).....	Right, regular lay.
10. Center or core.....	Hemp center.
11. Finish (uncoated, galvanized, marlin covered, etc.).....	Uncoated.
12. Lubrication.....	Standard mill lubrication.
13. Indicate if reformed.....	.....
14. Intended use.....	For hoisting line.

Unit for Reporting Quantity

Preferred: Reel and footage per reel.....	7 reels, 1,000 ft. each.
Acceptable: Foot.....	.....

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 225, 241, 242, 258.

WOVEN AND WELDED WIRE PRODUCTS

<i>Type of Products Covered</i>			(A)
Hardware Cloth	Filter Wire Cloth	Concrete Reinforcing	
Sieve Cloth	Paper Machine Cloth	Mesh	
Insect Screening	Wire Fencing, Gates	Glass Substitute, Wire Reinforced, etc.	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Screen Cloth.
2. Metal or alloy (commercial designation).....	90/10 bronze.
3. Width of rolls.....	32" wide.
4. Length of rolls, each.....	100 ft. rolls.
5. Mesh (if wire spacing is different lengthwise and crosswise, both spacings should be given).	18 mesh.
6. Wire diameter (if wire diameter is different lengthwise and crosswise, both should be given).	.0113" wire.
7. Style number (for <i>wire fencing</i>).....	-----
8. Shape of openings (if not square or rectangular).....	-----
9. Finish or coating.....	Antique finish.
10. Indicate if woven or electric welded.....	Woven.
11. Intended use.....	For insect screens.

<i>Unit for Reporting Quantity</i>	
Preferred: Roll.....	600 rolls.
Acceptable: Sq. ft., lin. ft., or wt. in lb.....	-----

CHAIN

<i>Type of Chain Covered</i>					(B)
<i>Chain for fabrication into the following types of finished chains:</i>					
B B B	Crane	Binding "	Deck Lashing	Dragline	
Bead	Dredge	Bundling	Double Loop	Emergency Units	
Boom	Proof	Halter	High Test	Repair Links	
Jack	Rings	Harness	Lock Link	Ships Cable	
Log	Safety	Ladder	Mine Car	Skid Chains	
Pump	Sling	Machine	Railroad	Steering Gear	
Sash	Trace	Plumber	Register	Winch Line	
Tow	Truck	Rafting	Tethering	Etc.	
Well	Wagon	Tractor	Single Loop		

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Chain.
2. Material.....	Steel.
3. Type.....	Double loop.
4. Specification, including source or issuer.....	Fed. RR-C-271.
5. Type, grade, or class (as designated in spec.).....	Type B.
6. Size.....	2/0 gauge.
7. Length.....	50 ft. long.
8. Welded or non-welded.....	Non-welded.
9. Finish.....	Galvanized.
10. Intended use.....	For motor car skid chains.
11. Name of manufacturer.....	Bobel Chain Co.
12. Brand or trade name.....	Bulldog brand.

<i>Unit for Reporting Quantity</i>	
Preferred: Foot.....	1,250 ft.
Acceptable: Lengths.....	-----

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 257, 259.

PIPE FITTINGS (NOT INCLUDING VALVES)

(A)	<i>Type of Products Covered</i>			
	Couplings	Elbows	Tees	Unions, etc.
	<i>Information Needed</i>			<i>Example</i>
1.	Descriptive name of product.....			Pipe fitting.
2.	Kind of fitting.....			Reducing tee.
3.	Metal or alloy (commercial designation).....			Bronze.
4.	Specification, including source or issuer.....			Navy 45 F 2.
5.	Type, class, or grade (as designated in spec.).....			Wrought bronze.
6.	Size.....			3/8" x 3/8" x 1/4"
7.	End connections.....			Screwed.
8.	Pressure rating.....			125 lb. pressure.
9.	Name of manufacturer.....			Malwood Co.
10.	Manufacturer's catalog number.....			Catalog No. 3610
11.	If aircraft fitting, give AN part number.....			-----
	<i>Unit for Reporting Quantity</i>			
	Preferred: Piece.....			4,386 reducing tees.
	Acceptable: Ton or pound.....			-----

SHEET METAL BUILDING PRODUCTS

(B)	<i>Type of Products Covered</i>			
	Downspouts	Gutters	Metal Lath	Ventilators
	Expanded Metal	Leader Heads	Roofing	Weatherstrip
	Formed Molding and Trim	Louvres	Siding	Miscellaneous

	<i>Information Needed</i>	<i>Example</i>
1.	Descriptive name of product.....	Downspout.
2.	Metal.....	Copper.
3.	Other materials included.....	-----
4.	Style, type, or shape.....	Rectangular.
5.	Dimensions, including over-all measurements and metal thickness. For items which cannot be identified as standard, furnish sketch.	2' x 4', 8'-0" lengths, 16 oz. copper.
6.	Finish (painted, lead-coated, galvanized, etc.).....	Natural finish.
7.	Color, if painted.....	-----
8.	Intended use.....	-----
9.	Name of manufacturer.....	J-C Roofing Products Co.
10.	Manufacturer's catalog number.....	Catalog No. 176.
11.	NOTE.—The following additional information should be furnished for metal lath and expanded metal:	
	a. Size of openings.....	-----
	b. Spacing of ribs.....	-----
	c. Depth of ribs.....	-----
	<i>Unit for Reporting Quantity</i>	
	<i>Leader Heads, Louvres, Ventilators, etc.:</i>	
	Piece—4.....	-----
	<i>Roofing and siding:</i>	
	Preferred: Square (100 sq. ft.).....	-----
	Acceptable: Square foot.....	-----
	<i>Metal lath:</i>	
	Preferred: Square foot.....	-----
	Acceptable: Piece.....	-----
	<i>Gutters, downspouts, molding, etc.:</i>	
	Preferred: Linear foot.....	1,200 linear ft.
	Acceptable: Piece or roll.....	-----

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 215, 216, 252, 259.

POWER BOILERS

Type of Boilers Covered

Marine Boilers

Land Boilers

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Marine power boiler.
2. Type (horizontal tubular, scotch, header, etc.).....	Bent tube type.
3. Design pressure (lb. per sq. in.).....	Design pressure 465 psi.
4. Working pressure (lb. per sq. in.).....	Working pressure 375 psi.
5. Temperature of steam (degrees superheat).....	Steam at 750° F.
6. Capacity (lb. of steam per hour, max. or rated hp.)..	Capacity 37,500 lb. steam per hour.
7. Fuel used (oil, coal, pulverized coal, gas, etc.).....	Oil fuel.
8. Type of firing (oil burner, hand fired, automatic, stoker, etc.).	Oil burner fired.
9. Overall dimensions.....	8'6" wide, 10'0" deep, 14'0" high.
10. Weight.....	Weight not known.
11. Name of manufacturer.....	Made by B. & X. Co.
12. Serial number (see name plate).....	Serial No. AB-3267.
13. Shop number (see name plate).....	Shop No. X-2763.
14. Date installed (see name plate).....	Installed May 20, 1940.
15. List auxiliary equipment:	Auxiliary equipment:
a. Superheater (make or type).....	B. & X. superheater.
b. Economizer (make or type).....	Purple economizer.
c. Air heater (make or type).....	.....
d. Stoker (make).....	.....
e. Oil or gas burner (make).....	Geldo oil burner.
f. Auxiliary motors, a. c. or d. c. and voltage.....	2 auxiliary motors 110 v. a-c.
g. Feed pumps (make and rating).....	.....
h. Forced draft blower (make and rating).....	Stumco No. 7 forced draft blower.
i. Indicate if soot blowers included.....	No soot blowers.
j. Feed water heater (make and size).....	.....
16. List of spare parts and quantity of each, accompanying boiler or boilers.	Spare parts: 10 assorted tubes. 25 assorted valve parts. 6 water gauge glasses. 1 spare gun for oil burner.
<i>Unit for Reporting Quantity</i>	
Boiler.....	2 complete boilers, including spare parts as listed.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classification: 253.

FLEXIBLE METALLIC TUBING

(A)	<i>Type of Products Covered</i>	
Flexible Tubing	Flexible Conduit	Hose

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Flexible metal hose.
2. Material.....	Steel.
3. Type (commercial designation).....	Interlocking.
4. Specification, including source or issuer.....	AN-562.
5. Type, class, or grade (as designated in spec.).....	.....
6. Rated pressure (lb. per sq. in.).....	500 lb. per sq. inch rated pressure.
7. Size (inside diameter).....	$\frac{1}{2}$ " I. D.
8. Length (between end connections).....	9 ft. long.
9. Type of fittings attached.....	Couplings attached.
10. Intended use.....	For steam line.
11. Name of manufacturer.....	J. H. Tubing Co.
12. Manufacturer's catalog number or designation.....	Catalog No. X-123.
 <i>Unit for Reporting Quantity</i> 	
Preferred: Piece.....	457 pc. of hose.
Acceptable: Foot.....	.....

METAL POWDER

(B)	<i>Type of Products Covered</i>	
Atomized Powder Flakes	Granulated Powder* Powder for Pigment	Powdered Metal Shavings

*Not including "shot" for which see "Mill and Refinery Basic Shapes and Forms", page 4.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Atomized powder.
2. Metal or alloy (commercial designation).....	Aluminum.
3. Grade or quality (commercial designation).....	96% min. aluminum.
4. Specification, including source or issuer.....	.....
5. Type, class, or grade (as designated in spec.).....	.....
6. Grain size analysis.....	100% through 40 mesh.
7. Shape of particles.....	Granular.
8. Intended use.....	Intended for explosives.
9. Manufacturer's name or brand.....	Made by XYZ Co.
10. How packed and identified.....	Packed in steel drums of 150 lb. each.
11. NOTE.—If specification is not given, the following additional information should be furnished:	
a. Chemical analysis.....	Analysis— Free Alumi- 96.5% num. Silicon..... .75 Copper..... .75 Iron..... .9 Zinc..... .2 Magnesium..... .5 All other metals .4
 <i>Unit for Reporting Quantity</i> 	
Preferred: Pound.....	15,000 lb.
Acceptable: Ton.....	.....

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 241, 242, 243, 244, 245, 246, 247, 259.

NAILS, SCREWS, COTTER PINS, TURNBUCKLES, ETC.

Type of Products Covered

(A)

Bolts and Rivets	Screws	Wire Nails, Staples
Cotter Pins, Dowels, Etc.	Washers	Turnbuckles
Eyelets and Grommets	Shafting Keys	Toggle Bolts
Cut Nails and Tacks	Nuts and Lock Nuts	Spikes, except Railroad
Miscellaneous automatic screw machine products.		

*Information Needed**Example*

1. Descriptive name of product.....	Rivets.
2. Material.....	Aluminum.
3. Grade or alloy (commercial designation).....	52 S al. alloy.
4. Type.....	Solid.
5. Specification, including source or issuer (substitute, or add, base material spec. for <i>miscellaneous screw machine products</i>).	AN-FF-R-551a, ends chamfered per spec. AN430, B5-10.
6. Size or dimensions (include print or sketch for <i>screw machine products</i>).	$\frac{1}{12}$ " dia.— $\frac{1}{8}$ " long.
7. Kind of head.....	Round head.
8. Type of thread.....	-----
9. Finish or coating.....	-----
10. Type of point (for <i>nails</i>).....	-----
11. Weight, per piece (for <i>screw machine products</i>).....	-----
12. Intended use.....	For use in aircraft.
13. How packed (if in original packages, indicate name of manufacturer and catalog number).	In 100 lb. kegs, made by Anco Rivet Co.

*Unit for Reporting Quantity**Screw machine products:*

Item.....

All other products:

Preferred: Pound.....

3,600 lb.

Acceptable: Ton (2,000 lb.) or package (giving contents) or piece.-----

SPRINGS (NOT INCLUDING ASSEMBLED SPRINGS)

Type of Products Covered

(B)

Helical (coil) Springs	Leaf Springs	Wire Springs
------------------------	--------------	--------------

*Information Needed**Example*

1. Descriptive name of product.....	Coil spring.
2. Material.....	High carbon steel.
3. Shape of spring (single cone, hourglass, barrel, etc.).....	Single cone shaped.
4. Dimensions of wire or band:	
a. Thickness or diameter.....	Wire diameter .026".
b. Width of band (leaf).....	-----
5. Dimensions of spring:	
a. Diameter.....	-----
b. Diameter at top of spring (for <i>coil springs</i>).....	$4\frac{1}{2}$ " diameter at top.
c. Height of spring.....	$5\frac{1}{2}$ " high.
d. Number of convolutions (turns).....	6 turns.
6. Finish.....	Cadmium plated.
7. Intended use.....	For sofa-bed unit.

Unit for Reporting Quantity

Preferred: Piece.....

6,330 coil springs.

Acceptable: Pound.....

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 257, 259.

BASIC HARDWARE

(A)

Type of Hardware Covered

Aircraft	Furniture	Rigging
Builder's	Motor Vehicle	Trunk and Luggage
Casket	Railroad	Wire Rope Fittings, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Door hanger.
2. Material.....	Bronze wheels, steel body.
3. Specification, including source or issuer.....	
4. Size.....	Hanger cap. 5,000 lb. Clevis fits 2" door.
5. Finish.....	Galvanized body.
6. Trim.....	
7. Intended use.....	For heavy doors.
8. Name of manufacturer.....	Fair Co., Inc.
9. Manufacturer's catalog number.....	Fair No. 6021.
10. For <i>aircraft hardware</i> , give the AN part number.....	
11. Style.....	To operate in Fair Co. track No. 6021X.
12. How packed.....	In original containers.
13. Units per package.....	One unit per package.
<i>Unit for Reporting Quantity</i>	
Preferred: Piece.....	50 hangers.
Acceptable: Package.....	

MISCELLANEOUS FABRICATED METAL BASIC PRODUCTS

(B)

Type of Products Covered

Corset and Dress Steels	Metal Strapping
Fence Posts	Metallic Packing
Flanged and Dished Heads	Steel Abrasives, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Flat band strapping.
2. Material.....	Steel.
3. Type.....	
4. Dimensions:	
a. Thickness.....	.020" thick.
b. Width.....	5/8" wide.
c. Length.....	In 600 ft. coils.
5. Coating (lacquer, paint, galvanized, etc.).....	Galvanized.
6. For <i>metal strapping</i> , indicate:	
a. Breaking strength.....	Breaking strength 975 lb.
b. Type of seal.....	Uses snap-on seals.
7. Intended use.....	
8. Name of manufacturer.....	John Doe Co.
9. Manufacturer's catalog or model number.....	Catalog No. 150.
10. Packaging.....	
<i>Unit for Reporting Quantity</i>	
<i>Strapping, packing, and abrasives:</i>	
Preferred: Pound.....	10,000 lb.
Acceptable: Coil or package, naming contents.....	
<i>Fence posts, flanged and dished heads, etc.:</i>	
Preferred: Piece.....	
Acceptable: Ton or pound.....	

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 255, 259.

WOOD BASIC AND FINISHED PRODUCTS

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LOGS AND BOLTS

(A) *Type of Products Covered*

Saw Logs	Handle and Wheel Stock Bolts
Veneer Logs	Stave and Heading Bolts
Mast and Spar Logs	Excelsior and Shingle Bolts

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Handle bolt.
2. Kind of wood.....	Hickory.
3. Green or seasoned.....	Green.
4. Grade.....	No. 1 grade.
5. Diameter—inside bark at small end.....	18" diameter.
6. Length.....	4 ft. long.
7. Diameter—inside bark at top and bottom (for <i>mast</i> and <i>spar logs</i>).....	-----
8. Country of origin (for <i>foreign woods</i>).....	-----
<i>Unit for Reporting Quantity</i>	
<i>Domestic wood:</i>	
Preferred: Piece.....	378 handle bolts.
Acceptable: Board foot.....	-----
<i>Foreign wood:</i>	
Preferred: Ton.....	-----
Acceptable: Piece or board foot.....	-----

ROUND AND HEWN TIMBER (EXCEPT RAILROAD TIES)

(B) *Type of Products Covered*

Poles	Spar Timbers
Posts	Mine Props
Piles	Fuelwood

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Telephone pole.
2. Kind of wood.....	Southern pine.
3. Length.....	60' long.
4. If treated, state preservative.....	Creosote treated.
5. State method and extent of treatment.....	Pressure treated—full length.
6. For <i>poles</i> :	
a. Give ASA class (ASA class stamped on butt end).....	ASA VI.
b. State whether slab gained or specify number of gains.*	Slab gained.
7. For <i>piles</i> :	
a. State whether for land or marine use.....	-----
b. Minimum diameter at tip.....	-----
c. Minimum diameter 3' from butt.....	-----
8. For <i>posts</i> :	
a. State whether round or split.....	-----
b. Minimum diameter or radius at small end.....	-----
<i>Unit for Reporting Quantity</i>	
Item.....	1,300 telephone poles.

*Gain means prepared groove in pole for cross arm.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 131, 132.

RAILROAD CROSS AND SWITCH TIES

Type of Products Covered

Sawn or Hewn Ties

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product-----	Cross tie.
2. Species of wood—indicate by group*-----	Species Ub.
3. A. R. E. A. standard size (The size is generally branded or printed on the end of each tie either in the form of a numeral or by a number of dots cor- responding to the size number; i. e., three dots indicate A. R. E. A. size 3, etc.)-----	-----
4. Dimensions (not required if A. R. E. A. standard size has been given):	
a. Thickness-----	6" thick.
b. Width-----	8" wide.
c. Length-----	8'6" long.
5. Preservative treatment (indicate if untreated, creos- soted, or treated with other preservative. If other than creosoted, also name process).	Creosoted.

***GROUP DESIGNATIONS**

(If all ties in a lot are cut from the same kind of wood, report the actual species of wood. Where more than a single kind of wood is involved, use the group designations listed below.)

Group Ua.

"Heart" black locust, white oaks, black walnut.

Group Ub.

"Heart" douglas fir, pines, larches.

Group Uc.

"Heart" cedars, cypresses, redwood.

Group Ud.

"Heart" catalpas, chestnut, sassafras, red mulberry.

Group Ta.

Ashes, hickories, honey locust, red oaks, "Sap" white oaks and black walnut.

Group Tb.

"Sap" cedars, cypresses, douglas fir, larches, pines, redwood, firs (true), hemlocks, spruces.

Group Tc.

Beech, birches, cherries, gums, hard maples.

Group Td.

"Sap" catalpas, mulberries, sassafras, elms, hackberries, soft maples, poplars (including aspen and cottonwoods), sycamores, butter-nut.

Unit for Reporting Quantity

Tie----- 2,462 cross ties.

LUMBER

(A) *Type of Products Covered*

Boards (Less than 2" thick)
Timbers (5" or more in thickness)
Dimension Lumber (2" or more but less than 5" thick)

Except Railroad Ties, covered on page 23; Small Dimension Stock, covered by the lower portion of this page; and Worked Lumber, covered on page 25.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Dimension lumber.
2. Kind of wood.....	Southern pine.
3. Grade.....	No. 2 grade.
4. Nominal thickness.....	2" thick.
5. Nominal width (for <i>dimension lumber and timbers</i>).....	6" wide.
6. For <i>boards</i> :	
a. Minimum width.....	.....
b. Average width.....	.....
7. Minimum length.....	8 ft. minimum length.
8. Average length.....	12 ft. average length.
9. Air dried (AD) or kiln dried (KD).....	AD.
10. State if rough or dressed (include standard designation if dressed).	S2S2E.
 <i>Unit for Reporting Quantity</i> 	
Preferred: Board foot.....	8,000 bd. ft.
Acceptable: Piece.....	.....

SMALL DIMENSION STOCK, LATH, SHINGLES

(B) *Type of Products Covered*

Squares	Softwood Cut Stock	Random Width Shingles
Long Handle Stock	Dimension Shingles	Shakes, Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Shingles.
2. Kind of wood.....	Western red cedar.
3. Grade.....	No. 3 grade.
4. Thickness.....	.....
5. Width.....	Random width.
6. Length.....	16" long.
7. For <i>small dimension stock</i> :	
a. Laminated or solid.....	.....
b. Rough or surfaced.....	.....
c. Green, air dried (AD), or kiln dried (KD).....	.....
 <i>Unit for Reporting Quantity</i> 	
<i>Lath and shingles:</i>	
Bundle.....	89 bundles.
<i>Dimension stock:</i>	
Board foot.....	.....

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 133, 134.

WORKED LUMBER (EXCEPT MOLDING)

Type of Products Covered

(A)

Ceiling Flooring	Partition Shiplap	Siding Dressed and Matched
---------------------	----------------------	-------------------------------

*Information Needed**Example*

1. Descriptive name of product.....	Ceiling lumber.
2. Kind of wood.....	Douglas fir.
3. Grade.....	"D" grade.
4. Thickness (except for <i>siding</i>).....	$\frac{3}{8}$ " thick.
5. Face width (give nominal width, for <i>siding</i>).....	4 $\frac{1}{2}$ " face width.
6. Minimum length.....	8 ft. min. length.
7. Average length.....	12 ft. average length.
8. Air dried (AD) or kiln dried (KD).....	KD.
9. Standard dressing and matching designation.....	S2S and CM.
10. Pattern form number (for <i>siding</i>).....	-----

Unit for Reporting Quantity

Preferred: Board foot.....	4,000 bd. ft.
Acceptable: Piece.....	-----

MOLDINGS

Type of Products Covered

(B)

Include all wood moldings, kiln dried, shaped to a patterned form

*Information Needed**Example*

1. Descriptive name of product.....	Wood molding.
2. Kind of wood.....	Western pine.
3. Minimum length.....	4 ft. minimum length.
4. Average length.....	14 ft. average length.
5. Pattern number*.....	Pattern No. 7173.

*NOTE.—Pattern number may be obtained from pages 43 to 74 inclusive of the United States Department of Commerce publication entitled "Lumber, American Lumber Standards for Softwood Lumber—Simplified Practice Recommendation R18-39". If the pattern number is not reported, it will be necessary to include a sketch of the molding, which should either be a full size outline sketch made by tracing the actual cross section, or should include all dimensions.

Unit for Reporting Quantity

Preferred: Linear foot.....	2,730 linear feet.
Acceptable: Piece.....	-----

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 135,

PLYWOOD AND VENEER

(A)

Type of Products Covered

Box and Container

Commercial

Aircraft and Marine, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Marine plywood.
2. Kind of wood.....	Birch.
3. Direction of grain.....	Diagonal.
4. Commercial grade or Government specification....	Navy 39P15.
5. Type.....	Waterproof.
6. Rotary cut, sawed, or sliced.....	Rotary cut.
7. Thickness.....	3/8" thick.
8. Width.....	30" wide.
9. Length.....	70" long.
10. Number of plies.....	5 plies.
11. Indicate if toxic treated (for <i>container plywood</i> only).....	.....
<i>Unit for Reporting Quantity</i>	
Preferred: Square foot.....	7,900 sq. ft.
Acceptable: Piece.....	.....

WOOD BLOCKS AND BLANKS

(B)

Type of Products Covered

Pipe Blocks

Textile Blocks

Flooring Blocks

Last Blocks

Gunstock Blocks and Blanks

Paving Blocks, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Gunstock blank.
2. Kind of wood.....	Walnut.
3. Thickness*.....	.....
4. Width*.....	.....
5. Length*.....	.....
6. Air dried (AD) or kiln dried (KD).....	KD.
7. Intended use (name weapon in case of <i>gunstock blanks</i>).....	For Garand rifle stocks.
8. Treatment (creosote, etc.).....	.....

*Dimensions required only for *paving* and *flooring* blocks, and to be given as follows:

Thickness—height to which block will lay, measured in the direction of the grain.

Width—shorter dimension across the grain.

Length—longer dimension across the grain.

Unit for Reporting Quantity

Piece..... 4,371 gunstock blanks.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 136, 137, 139.

MILLWORK

Type of Products Covered

Doors and Door Frames
Windows¹ and Window Frames

Porch and Window Blinds
Sash² and Sash Frames

¹ A window is defined as a unit of two parts, rarely more, made to receive one or more panes (lights) of glass and to fill a wall opening. It is operated vertically within a window frame and its movement is controlled by pulleys, balances, or spring bolts. At the meeting point of the two parts they are made with a check rail or a plain rail.

² A sash is defined as any unit other than a window, made to receive one or more panes (lights) of glass and to fill a wall opening. It may be stationary or be operated by sliding horizontally or swinging inward or outward within a sash frame.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Garage door.
2. Kind of wood.....	Douglas fir.
3. For doors:	
a. Thickness.....	1¾" thick.
b. Width and height.....	4' x 7'-6" each door.
c. Number of lights.....	6 lights.
d. Size of lights.....	12" x 16" lights.
e. If glazed, kind of glass.....	Clear glass.
f. Strength and quality of glass.....	Single strength, B quality.
g. Number of panels.....	3 panels.
4. For interior doors; also indicate:	
a. Kind of wood in stiles, rails and panels.....	.....
b. Grade.....	.....
5. For door frames:	
a. Dimension of jamb (thickness and width).....	.....
b. Size of opening.....	.....
c. If jambs rabbeted or with stops.....	.....
d. Type of door for which intended.....	.....
6. For windows:	
a. Number of lights.....	.....
b. Size of lights.....	.....
c. If glazed, kind and quality of glass.....	.....
d. If spring bolt or balances included.....	.....
e. Check rail (CR) or plain rail (PR).....	.....
f. Primed or not primed.....	.....
7. For window frames:	
a. Type (manufacturer's name and number).....	.....
b. Thickness and width of pulley stile.....	.....
c. Size of opening.....	.....
d. If spring bolt or balances included.....	.....
e. Type balance included (mfr's. designation).....	.....
8. For sash:	
a. Type (storm, barn, casement, cellar).....	.....
b. Thickness.....	.....
c. Number of lights.....	.....
d. Size of lights.....	.....
9. For porch and window blinds:	
a. Thickness and width.....	.....
b. Stationary, solid, or panelled.....	.....

Unit for Reporting Quantity

Item..... 350 garage doors.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 138.

MISCELLANEOUS WOOD BASIC MATERIALS

(A)	<i>Type of Products Covered</i>	
Handles	Cross Arms	Wood Waste (Shavings,
Rollers	Insulator Pins	Sawdust, Flour)
Sticks	Thermometer Backs	Slats for Venetian Blinds,
Tie Plugs	Wood Springs	etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Cross arm.
2. Kind of wood.....	Southern pine.
3. Thickness or diameter.....	3¼" thick.
4. Width.....	4¼" wide.
5. Length.....	6 ft. long.
6. Surface condition (rough, dressed, etc.).....	Rough surface.
7. Treatment (creosote, etc.).....	Creosoted.
8. Finish (paint, shellac, wax, etc.).....	.....
9. Number of pinholes (for <i>cross arms</i>).....	8 pinholes.
10. Intended use.....	.....

Unit for Reporting Quantity

<i>Wood waste (shavings, sawdust, flour):</i>	
Ton or pound.....	.....
<i>All other items:</i>	
Piece.....	491 cross arms.

FABRICATED COOPERAGE STOCK: BOX AND CRATE SHOOK

(B)	<i>Type of Products Covered</i>	
Headings	Staves	Shook

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Alcohol staves.
2. Kind of wood.....	White oak.
3. Grade.....	Bourbon grade.
4. Dimensions:	
a. Thickness.....	⅞" thick.
b. Width (for <i>shook</i> only).....	.....
c. Length.....	35" long.
5. Green, air dried (AD) or kiln dried (KD).....	KD.
6. Tight or slack (for <i>cooperage stock</i>).....	Tight.
7. Bilge measurement (for <i>tight cooperage staves</i>).....	80" bilge.
8. Circled or square (for <i>headings</i>).....	.....

Unit for Reporting Quantity

<i>Rough tight cooperage staves: knife-cut, slack cooperage staves: and rough slack cooperage shook:</i>	
Piece.....	.....
<i>Box and crate shook;</i>	
Board foot.....	.....
<i>Finished tight cooperage staves, and headings:</i>	
Set.....	200 sets.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 139.

CONTAINERS AND BASKETS

Type of Products Covered

Boxes and Crates	File Boxes
Tight and Slack Cooperage	Willow and Reed Baskets
Wooden and Fiber Baskets	Rattan and Willow Ware
Tool Cabinets and Chests	Poultry Egg Baskets
Instrument Cabinets and Chests	Reels and Spools

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Wire bound box.
2. Material (lumber—including kind of wood, veneer, chip or plywood).	Veneer.
3. Inside depth (diameter of core for <i>reels</i> and <i>spools</i>)..	12" inside depth.
4. Inside width (diameter of ends, for <i>reels</i> and <i>spools</i>)..	15" inside width.
5. Inside length (over-all length or width, for <i>reels</i> and <i>spools</i>).	30" inside length.
6. Thickness of material (thickness of ends, for <i>reels</i> and <i>spools</i>).	Material $\frac{3}{16}$ " thick.
7. Capacity—gallons, bushels, quarts, etc. (for <i>baskets</i> and <i>cooperage</i>).	-----
8. Knocked down or assembled.....	Knocked down.
9. Original intended use.....	For packing meat products.
10. Name of manufacturer.....	Ace Box Mfg. Co.
11. Number and type of hinges, (for <i>cabinets</i> and <i>chests</i>)..	-----
12. For <i>tight</i> and <i>slack cooperage</i> :	
a. Length of staves.....	-----
b. Diameter of heads.....	-----
c. Number and kind of hoops (wire, flat steel band, etc.).	-----
13. For <i>cleated plywood boxes</i> and <i>crates</i> :	
a. Cleat dimensions.....	-----
b. Box style (A, B, C, etc.).....	-----
14. For <i>nailed boxes</i> and <i>crates</i> :	
a. Number of end cleats per end.....	-----
b. Thickness of cleats.....	-----
15. For <i>wire bound boxes</i> and <i>crates</i> :	
a. Style (No. 1, twisted wire closure; No. 2, looped wire closure; No. 3, looped wire closure with wired ends).	No. 1 twisted wire closure.
b. If printed, give number of faces (ends, sides, top or bottom).	-----
c. Number of wires around box (for <i>boxes</i> only)..	6 wire binding.
d. Gauge of wire used (for <i>boxes</i> only).....	14 ga. wire.
e. Number and width of pieces—ends, sides, tops, and bottom (for <i>crates</i> only).	-----

Unit for Reporting Quantity

Item..... 500 boxes.

PREFABRICATED HOUSES, NONASSEMBLED

<i>Information Needed</i>	<i>Example</i>
1. Outside floor size of house.....	24' x 28' unit.
2. Number of rooms.....	4 rooms.
3. Name of maker.....	Ames Fabrication Company.
4. Project for which originally furnished.....	Green Meadows Defense Housing Project.
5. Type of wall, partition, roof, and floor construction...	2 x 4 studs with 3/4" plywood exterior and 1/4" plywood interior; 2 x 3 partition walls covered 1/2" plywood 2 sides. Pitch roof with 2 x 4 rafters, asphalt shingle covered. No floor sections included—assembled construction contemplates cement floor.
6. Type and number of outside and inside openings...	Exterior glass doors, 6 interior panel doors, and 12 exterior steel sash 16" x 24".

When complete units cannot be determined, report the above information in full for each section—ceiling, floor, partition, roof, wall, etc.—supplying sketch of section showing such openings as doors, windows, etc. When, because of storage conditions, it is not possible to supply this information, report "Detail of openings not available" and state the reason.

Unit for Reporting Quantity

House or section..... 50 nonassembled prefabricated houses.

INDUSTRIAL, MARINE, AGRICULTURAL WOOD PRODUCTS

<i>Type of Products Covered</i>			(A)
Wood Tackle Blocks	Ladders	Wooden Bearings	
Masts and Spars	Scaffolds	Wood Pulleys and Sheaves	
Wood Marine Bitts	Cargo Booms	Wood Farm Implement Parts, etc.	
(For Mallets and Mauls, see Section XXI)			

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Step ladder.
2. Kind of wood.....	Hardwood.
3. Type or style (commercial designation) .....	.....
4. Size or dimensions.....	6-foot size.
5. Finish or trim.....	Unpainted.
6. Intended use (for <i>bearings and farm machine parts</i> include detail of application, type machine for which intended, etc.).....	.....
7. Describe metal fittings attached—steel step brackets, etc. (for <i>scaffolds</i>). .....	.....
8. Manufacturer's name.....	J-D Mfg. Co.
9. Manufacturer's catalog number.....	Catalog No. X-456.
10. If packaged, give details.....	.....
<i>Unit for Reporting Quantity</i>	
Piece.....	420 step ladders.

MISCELLANEOUS WOOD FINISHED PRODUCTS

<i>Type of Products Covered</i>		(B)
Flagpoles	Shoe Lasts and Patterns	
Tent Poles and Pins	Shoe Display Forms	
Dowels and Splints	Mirror and Picture Frames	
Faucets and Spigots	Miscellaneous	
(For Signs and Bulletin Boards, see Section XXI)		

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Splints.
2. Kind of wood.....	Basswood.
3. Type or style.....	.....
4. Size or dimensions (furnish sketch if size and shape cannot otherwise be translated).	$\frac{1}{8}'' \times 3\frac{1}{4}'' \times 18''$.
5. Finish.....	Smooth finish.
6. Number and kind of metal fittings attached.....	.....
7. Intended use.....	For bone fractures.
8. If for military use, give branch of service (for <i>shoe lasts and patterns</i>). .....	.....
9. Manufacturer's name.....	.....
10. Manufacturer's catalog or style number.....	.....
11. If packaged, give details.....	Packed in bundles of 12 each.
<i>Unit for Reporting Quantity</i>	
<i>Shoe lasts and patterns:</i>	
Pair; by sex, size, and width.....	.....
<i>All other items:</i>	
Preferred: Piece.....	1,200 splints.
Acceptable: Package, naming contents.....	.....

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 765, 766, 767, 768, 769.

RAW CORK

(A)

Type of Products Covered

Virgin	Corkwood or Bark
Refugo	Granulated Cork ¹
Waste—Blocker Waste, Disc Waste, Shavings and Curlings, Premium Waste, Common Waste, Miscellaneous Waste.	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Corkwood.
2. Loose or baled (and condition of bales).....	
3. Supplier.....	Spanish Importing Co.
4. Type (for waste).....	
5. Size of granules (for <i>granulated cork</i>).....	
6. For <i>corkwood and refugo</i> ;	
a. Thickness.....	Thickness 20 lines.
b. Quality.....	5th quality.
<i>Unit for Reporting Quantity</i>	
Preferred: Ton (2,000 lb.).....	250 short tons.
Acceptable: Metric ton.....	

CORK BASIC MATERIALS AND PRODUCTS

(B)

Type of Products Covered

Balls	Expansion Joints	Pipe covering and fittings
Blocks	Fenders	Press blankets
Carboy cushions	Floats	Sheets and strip
Cartridge plugs	Gaskets and washers	Shoe materials
Closures and liners	Grinding and polishing wheels	Stoppers
Clutch facings	Grips and handles	Tile
Corkboard	Insoles, shoe	Valve seats and discs
Cots, textile	Insulation cork	Miscellaneous
Daubers	Life preservers and buoys	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Standard corkboard.
2. Material.....	Cork.
3. Thickness or diameter.....	2" thick.
4. Width.....	12" wide.
5. Length.....	36" long.
6. Intended use.....	Insulation.
7. Name of manufacturer.....	Cork Manufacturing Co.
8. Manufacturer's specifications.....	
<i>Unit for Reporting Quantity</i>	
Corkboard:	
Board foot.....	558 bd. ft.
Pipe covering:	
Linear foot.....	
All other items:	
Piece.....	

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 059, 293, 799.

**SECTIONS OF THE HANDBOOK OF STANDARDS
FOR DESCRIBING SURPLUS PROPERTY**

- Section I.—Metals and Metal Basic Products.
Section II.—Wood Basic and Finished Products.
Section III.—Textile, Leather and Fiber Crude, Basic, and Finished Products.
Section IV.—Chemicals, Drugs, Medicines, Oils, Fats, Waxes, Cosmetics, and Household Chemical Preparations.
Section V.—Glass, Clay, Stone, and Other Non-Metallic Mineral, Crude, Basic, and Finished Products.
Section VI.—Pulp, Paper, and Paperboard Products and Products of Printing and Publishing Industries.
Section VII.—Rubber Crude, Basic, and Finished Products—Natural and Synthetic.
Section VIII.—Petroleum and Coal Crude and Basic Products.
Section IX.—Industrial and Service Machinery and Equipment.
Section X.—Plumbing, Heating, and Air-Conditioning Equipment and Lighting Fixtures.
Section XI.—Communications Equipment, Electronic Devices, Alarm and Signal Control Equipment.
Section XII.—Railroad Transportation Equipment.
Section XIII.—Aircraft and Aircraft Components.
Section XIV.—Ships, Small Water Craft and Marine Mechanical Equipment.
Section XV.—Motor Vehicles, Tractors, and Miscellaneous Transportation Equipment.
Section XVI.—Office Machines, Office Furniture and Office Supplies.
Section XVII.—Furniture (Except Office Furniture) and Fixtures.
Section XVIII.—Photographic and Optical Goods and Equipment.
Section XIX.—Instruments and Control Apparatus Including Scientific and Professional Apparatus and Supplies.
Section XX.—Armament and Ordnance Equipment and Material.
Section XXI.—Plastics, Metal Containers, Hand Tools, Metal End Products, and Miscellaneous Products and Equipment.
Section XXII.—Food, Beverage and Tobacco Crude, Basic, and Finished Products.

GENERAL INDEX TO HANDBOOK SECTIONS

The alphabetical index which follows includes only the major types and groups of materials and products. Its purpose is to direct the user to the proper section of the Handbook, in which a much more detailed alphabetical index of the section will be found. Where simple forms of a commodity are not listed, it will be possible to find the general group in which they occur. For example, "Steel pipe" is not listed in this index either as "Steel pipe" or as "Pipe", but reference should be made to "Steel and steel basic shapes and forms". Another example might be "Chassis" for mounting electronic equipment which are not listed as such, but which will be found under "Electronic equipment components". For convenience, the major group standard commodity classification also has been listed. In the following listing, the column headed "SECTION" refers to the Section of the Handbook, and the column headed "S. C. C." refers to the Standard Commodity Classification major group.

GENERAL INDEX TO HANDBOOK SECTIONS

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