

HANDBOOK
OF STANDARDS
For Describing
SURPLUS PROPERTY

SECTION X
Plumbing, Heating, and Air-Conditioning
Equipment and Lighting Fixtures

SECTION XI
Communications Equipment, Electronic Devices,
Alarm and Signal Control Equipment

1944

100
PREPARED FOR THE
SURPLUS WAR PROPERTY ADMINISTRATION
BY THE
WAR PRODUCTION BOARD

THE HANDBOOK

This handbook has been prepared for the purpose of establishing the basic standards to be followed in describing surplus property when it is listed in inventory reports. The book tells you in the column headed "Information Needed" appearing on the following pages, the minimum information which should be shown in preparing reports of surplus property to describe adequately such property for disposal purposes.

The data contained in the column headed "Information Needed" are in the form of a series of questions varying according to the products covered by the table. The answers to these questions taken together constitute a description of the item being listed. Because 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 comprise 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 business sales operations. This is the information Federal agencies must have to carry out transfers or sales of surplus property.

U. S. GOVERNMENT PRINTING OFFICE: 1945

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price 10 cents

GENERAL INSTRUCTIONS FOR USING THE HANDBOOK OF STANDARDS FOR DESCRIBING SURPLUS PROPERTY

I. HOW TO USE THE HANDBOOK

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

2. Look in the alphabetical index of Section XI to find the table covering "Radio transmitter" which will be found referring to page 24. (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. 4 (A), 4 (B), etc.) In the column headed "Information Needed" on page 24 of Section XI, will be found the descriptive data necessary to identify properly "Radio transmitters."

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

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

5. The description of a "Radio transmitter" in the inventory report in accordance with the standards established on page 24, would appear as follows:

"Radio transmitter; for fixed station, semiportable; Camco No. 5678901; made by Grate Radio Communications, Inc.; Type 80-B; Army No. 8RT4567; mounted in metal cabinet 36½" long x 24½" wide x 64" high over-all; all parts treated for tropical service; AM and CW signal; frequency range—125 to 525 kc in one band; output—500 w; input—220 v, 60 cycles, 1 phase, 7 amp; crystal controlled; RF stages—doubler, buffer and final amplifier, class "C"; includes 3 sets of tubes, 6 crystal units, connecting cables, and instruction book..... 1 radio transmitter."

II. IMPORTANT POINTS TO BE CONSIDERED

1. *Describe completely the product being reported.*—The information shown in the column headed "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 "Package" 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."

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 dimensions of the object they cover, such as "12 inch inside diameter," ".063 in. wall thickness," "14 ft. 3 in. over-all length," etc.

3. *Packaging.*—A description of the package or container of the item is called for in many instances. If the item is stored in bulk, the answer to the question "How packaged" should be "In bulk." If items are unpackaged, but consist of things not readily described as "In bulk", such as tires or machines, the answer might be "Unpacked" or "Not crated". On the other hand, items are frequently packaged in containers which in turn are packed in boxes, cartons, cases, etc. Here the type of container and its content should be described, for example, "Packed in wood boxes containing 48 ½-lb. metal cans".

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. *Systems.*—When the property being reported consists of a system of machines or equipment which collectively operates together to produce a desired result, it is first necessary to describe the system as a whole. The next step is to describe separately the various major components which go to make up the system. Thus, to report an air-conditioning system, first give the general characteristics of the system; who made it, what is its capacity, etc. Then describe separately, and in the detail called for by the various data sheets, the major component parts of the air-conditioning system: the blower, the air washer, the heater, the filters, etc.

6. *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.

TABLE OF CONTENTS

	Page
Alphabetical Index to Section X.....	2
Sanitary Ware, Plumbing Fixtures.....	3
Plumbing Fixture Fittings, Trim and Accessories.....	3
Steam and Hot Water Boilers (Low Pressure) and Parts—For Commercial and Domestic Heating.....	4
Convectors and Radiators.....	4
Steam and Hot Water Heating Specialties (Except Valves).....	5
Furnaces, Fan Furnace Units, Unit Heaters, Unit Ventilators and Parts....	6
Sheet Metal Air Ducts, Pipe and Fittings.....	7
Grilles, Humidifiers and Registers.....	7
Stoves, Ranges and Ovens, Except Electric.....	8
Cooking and Warming Equipment with Self-contained Heating Units, Except Electric.....	9
Stokers.....	10
Oil and Gas Burning Equipment.....	10
Domestic Water Heaters (Except Electric), Storage Tanks and Parts.....	11
Incinerators and Components.....	12
Air-conditioning Central Systems, Ice-making Plants and Cold Storage Plants.....	12
Air-conditioning and Refrigeration Units.....	13
Air-conditioning, Refrigeration, Cold Storage Plant and Ice-making Plant Components, Accessories, and Parts.....	14
Electric Lamps (Bulbs), Tubes and Related Light Sources.....	15
Outdoor Lighting Fixtures.....	16
Indoor Lighting Fixtures, Industrial and Commercial.....	17
Residential Indoor Lighting Fixtures.....	18
Vehicular, Marine, and Route and Boundary Marking Lighting Fixtures....	19
Flashlights, Lanterns, and Other Hand Portable Lighting Devices.....	20
Alphabetical Index to Section XI.....	21
Radio Communications, Systems and Stations, and Wire Communications Systems.....	23
Communication Equipment; Electronic.....	24
Sound Converters and Reproducers (Microphones and Speakers).....	26
Power Supply.....	27
Antennas.....	28
Electron Tubes.....	29
Crystals and Vibrators.....	29
Transformers, Coils and Chokes.....	30
Relays and Switches.....	31
Capacitors.....	32
Resistors.....	33
Wire and Cable.....	34
Radio Accessories, Attachments and Mounting Components.....	35
Wire Telephone and Telegraph Equipment.....	36
Printing Telegraph Machines.....	38
Alarm and Other Signal Systems, and Components.....	39
General Index to Handbook Sections.....	40

PLUMBING, HEATING, AND AIR-CONDITIONING EQUIPMENT AND LIGHTING FIXTURES

ALPHABETICAL INDEX TO SECTION X

	Page		Page
Air-conditioning accessories, components.....	14	Ice making accessories, components, parts....	14
Air-conditioning central systems.....	12(B)	Ice making plants.....	12(B)
Air-conditioning units.....	13	Ice refrigeration units.....	13
Bain Maries: with burners or coils.....	9	Incinerators and components.....	12(A)
Bake ovens: except electric.....	8	Interceptors: plumbing.....	3(A)
Barbecue machines: except electric.....	9	Kettles: steam jacketed.....	9
Baths: plumbing fixtures.....	3(A)	Lamp bulbs, tubes: electric.....	15
Blast heating coils.....	6	Lamps: residential type.....	18
Boilers: egg: with burners or coils.....	9	Lanterns.....	26
Boilers: range: water storage.....	11	Lavatories.....	3(A)
Boilers: steam, hot water: low pressure.....	4(A)	Lighting devices: hand type.....	20
Bowls: wash, toilet.....	3(A)	Lighting fixtures: indoor: industrial and com- mercial.....	17
Boxes: ice.....	13	Lighting fixtures: indoor: residential.....	18
Broilers, broiler-roasters: with burners, coils..	9	Lighting fixtures: outdoor except boundary, marine, route, vehicular.....	16
Bulbs: electric light.....	15	Lighting fixtures: outdoor: boundary, ma- rine, route, vehicular.....	19
Burners: incinerators.....	12(A)	Mercury vapor tubes.....	15
Burners: fuel: oil and gas.....	10(B)	Miner's lights.....	20
Cabinets, cases: refrigerated.....	13	Neon light tubes.....	15
Central systems: air-conditioning.....	12(B)	Oil burners.....	10(B)
Cereal cookers: with burners or coils.....	9	Ovens: except electric.....	8
Closets: toilets.....	3(A)	Pipes: furnace.....	7(A)
Coffee makers, urns: with burners or coils.....	9	Plates: hot: gas.....	8
Coils: blast heating.....	6	Plates: floor, ceiling: heating specialties.....	5
Coils: water heating.....	11	Plugs, fusible: heating specialties.....	5
Cold storage accessories, components, parts....	14	Plumbing fixtures: sanitary ware.....	3(A)
Cold storage plants.....	12(B)	Plumbing fixture accessories, fittings, trim...	3(B)
Column assemblies: water.....	5	Popcorn machines: except electric.....	9
Convectors.....	4(B)	Pressure cookers: with burners or coils.....	9
Cookers: with burners or coils.....	9	Prison fixtures: sanitary ware: plumbing.....	3(A)
Coolers: drinking water.....	13	Pumps: heating specialties.....	5
Cup warmers: except electric.....	9	Radiators.....	4(B)
Dish warmers: except electric.....	9	Range boilers: water storage tanks.....	11
Dispensers: refrigerated.....	13	Ranges: except electric.....	8
Dispensers: paper, soap, towel.....	3(B)	Receptors: shower.....	3(A)
Display case refrigerators.....	13	Refrigerators, refrigeration units.....	13
Drain boards.....	3(A)	Refrigeration accessories, components, parts..	14
Ducts: furnace.....	7(A)	Registers, grilles: heating.....	7(B)
Electric appliances: see page 40, Section IX.....	—	Roasters: with burners or coils.....	9
Faucets: see valves, pages 32, 33, Section IX.....	—	Rotisseries: commercial: except electric.....	9
Feeders: water.....	5	Sanitary ware: plumbing fixtures.....	3(A)
Fittings: furnace.....	7(A)	Searchlights.....	16
Fittings: plumbing fixture.....	3(B)	Singe-ers: chicken.....	9
Fixtures: lighting: indoor: commercial, in- dustrial.....	17	Sinks, sink laundry tray combinations.....	3(A)
Fixtures: lighting: indoor: residential.....	18	Soda fountains.....	13
Fixtures: lighting: outdoor: except boundary, marine, route, vehicular.....	16	Spotlights: indoor.....	17
Fixtures: lighting: outdoor: boundary, marine, route, vehicular.....	19	Spotlights: vehicular type.....	19
Fixtures: plumbing.....	3(A)	Stalls: shower.....	3(A)
Flashlights.....	20	Steam heating specialties: except valves.....	5
Floodlights: indoor.....	17	Steam cookers: with burners or coils.....	9
Floodlights: outdoor.....	16	Stokers.....	10(A)
Fluorescent light tubes.....	15	Storage plants: cold.....	12(B)
Flush tanks: toilet.....	3(A)	Storage tanks: water.....	11
Food warmers: with burners or coils.....	9	Stoves: except electric.....	8
Fountains: water: not refrigerated.....	3(A)	Tables: steam.....	9
Fountains: water, soda: refrigerated.....	13	Tanks: flush, septic.....	3(A)
Freezers: ice cream: not hand or electric appliance.....	13	Tanks: water storage.....	11
Frozen-food storage cabinets.....	13	Toasters: commercial: except electric.....	9
Fryers: with burners.....	9	Traps, heating specialties.....	5
Furnaces: warm air.....	6	Trays: laundry.....	3(A)
Furnaces: hot water, steam.....	4(A)	Trim: plumbing fixture.....	3(B)
Furnace pipes, ducts, fittings, parts.....	7(A)	Toilets.....	3(A)
Gas fuel burners.....	10(B)	Tubes: electric light.....	15
Griddles: with burners.....	9	Tubs, covers: bath, laundry: stationary.....	3(A)
Grilles, registers: heating.....	7(B)	Unit heaters, ventilators.....	6
Grills: cooking: gas, steam, coal.....	9	Urinals.....	3(A)
Heaters and parts: water: not electric.....	11	Urns: with burners or coils.....	9
Heaters: stoves: not electric.....	8	Valves: see pages 32, 33, Section IX.....	—
Heaters: unit: not electric.....	6	Vegetable steamers: with burners or coils.....	9
Holders: paper, soap, towel.....	3(B)	Ventilators: unit.....	6
Hoppers: water closet.....	3(A)	Waffle irons: with burners or coils.....	9
Hospital fixtures: plumbing.....	3(A)	Warmers: food and dish: except electric.....	9
Hot plates: gas.....	9	Water closets.....	3(A)
Hot water specialties: except valves.....	5	Water column assemblies.....	5
Household refrigeration units.....	13	Water coolers: drinking: refrigerated.....	13
Humidifiers.....	7(B)	Water fountains: drinking: unrefrigerated.....	3(A)
Ice cream cabinets, dispensers.....	13	Water heaters, backs, coils, fronts, parts: not electric.....	11

SANITARY WARE, PLUMBING FIXTURES

<i>Type of Products Covered</i>			(A)
Baths	Drinking fountains	Interceptors	Septic tanks
Chemical closets	Flush tanks	Laundry trays	Sinks, tubs
Closets	Hospital fixtures	Lavatories	Urinals, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Lavatory.
2. Type or style: bathroom, hospital, dental, etc.....	Bathroom style.
a. Washdown, siphon jet, etc. (for closets).....	-----
b. High, low, combination, etc. (for flush tanks).....	-----
3. Manufacturer.....	Made by Bar Co.
4. Trade name, model, catalog number, etc.....	Cat. No. E-116 M.
5. Dimensions: length, width, height, etc.....	22' long, 18' wide.
6. Capacity (for septic tanks).....	-----
7. Right hand, left hand, double corner, etc.....	-----
8. With or without splasher back.....	With 5' splasher back.
9. Shape and type of rim.....	Square bowl, flat rim.
10. Drilling arrangement: single or combination faucets, pop-up drain, etc.....	Splasher drilled for combination faucet and pop-up drain.
11. Mounting: floor, wall, cabinet, legs, etc.....	Wall mounting.
12. Material.....	Made of china.
13. Color and finish: porcelain enamel, paint, etc.....	White porcelain finish.
<i>Unit for Reporting Quantity</i>	
Item.....	140 lavatories.

PLUMBING FIXTURE FITTINGS, TRIM AND ACCESSORIES

<i>Type of Products Covered</i>			(B)
Boiler couplings	Drain traps	Fittings: tub, shower, etc.	Toilet seats
Bubblers (fountain)	Expansion joints	etc.	Supply pipes
Drains	Fixture brackets	Septic tank siphons	Sleeves, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Faucet.
2. Type: single, combination, etc.....	Combination type.
3. Manufacturer.....	Made by Koon Mfg. Co.
4. Trade name, model, catalog number, etc.....	Cat. No. M-16-C.
5. Original intended use: lavatory, sink, tub, etc.....	For lavatory use.
6. Dimensions.....	9 inch centers.
7. Material: copper alloy, iron, nickel, chrome, etc.....	Made of brass.
8. Color and finish: enamel, duco, nickel, chrome, etc.....	Chrome finish.
9. Angle stream, center stream, etc. (for bubblers).....	-----
10. For faucets:	-----
a. Kind of control: lever, button, etc.....	Lever handle.
b. Hose or plain end (if hose end, inside or outside thread and diameter).....	Plain end.
c. Type flange: solid, adjustable, etc.....	Solid flange.
11. For toilet seats:	-----
a. Open or closed front.....	-----
b. With or without cover.....	-----
12. How packaged (type of package and content).....	Packed in excelsior, six to a fiber board carton.
<i>Unit for Reporting Quantity</i>	
Item.....	320 faucets.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 511, 512.

**STEAM AND HOT WATER BOILERS (LOW PRESSURE) AND PARTS—
FOR COMMERCIAL AND DOMESTIC HEATING**

(A) For high pressure boilers (over 15 pounds per sq. in.) see page 17, Section I

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Boiler.
2. Type: steam, hot water, etc.....	Steam, low pressure type.
3. Manufacturer.....	Made by Land Mfg. Co.
4. Trade name, model, catalog number and other manufacturer's designation.	"Lanco" brand, serial number 18536.
5. Over-all dimensions.....	30'' long, 26'' wide, 52'' high, over-all.
6. Capacity in square feet, equivalent direct radiation (EDR).	540 sq. ft. EDR.
7. Number of sections.....	5 sections.
8. Grate area.....	Grate area, 528 sq. in.
9. Shape: round, square, etc.....	Oblong shape.
10. With or without jacket.....	Without jacket.
11. How operated: gas, oil, coal, wood, etc.....	Coal operated.
a. If coal, hand or stoker fired.....	Hand fired.
12. Equipped with burner (for oil or gas).....	-----
a. If with burner, indicate type.....	-----
13. Material: cast iron, steel, etc.....	Made of cast iron.
14. With or without trim: gauges, safety valves, etc.....	With trim.
15. For parts, indicate name and model number of boiler for which designed.	-----
<i>Unit for Reporting Quantity</i>	
Boiler.....	14 steam boilers.

CONVECTORS AND RADIATORS

(B)	<i>Type of Products Covered</i>
Columnar radiators	Gas-steam radiators with integral burners
Convectors	Panel radiators
Electric-steam radiators with self-contained heating elements	Pin type radiators
	Tubular radiators
	Wall radiators, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Radiator.
2. Type.....	Tubular type.
3. Kind: steam or hot water.....	For steam.
4. Manufacturer.....	Made by Nink Mfg. Co.
5. Trade name, model, catalog number and other manufacturer's designation.	"Heato" brand.
6. Material: cast iron, copper, aluminum, etc.....	Made of cast iron.
7. Height (for convector, length and width).....	26'' high.
8. Number of tubes and sections (except for convectors, electric-steam and gas-steam radiators).	6 tubes, 18 sections.
9. Capacity in square feet, equivalent direct radiation (EDR).	50 sq. ft. EDR.
10. Heat source: gas or electric (for radiators with self-contained heating element).	-----
11. If with panels or enclosures, indicate type: front panel, fully enclosed, etc.	-----
<i>Unit for Reporting Quantity</i>	
Item.....	50 tubular radiators.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 513.

STEAM AND HOT WATER HEATING SPECIALTIES (EXCEPT VALVES)

Type of Products Covered

Air-line traps	Condensation return pumps	Vacuum heating pumps
Blast traps	Drip traps	Water column assemblies
Boiler return traps	Floor and ceiling plates	Water feeders
Circulating pumps	Fusible plugs	Etc.

For valves see pages 32 and 33, Section IX.

For other types of steam specialties see page 27 B, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Condensation return pump.
2. Type: vertical, inverted, lever, bellows, float, etc.	Vertical type.
3. Manufacturer.....	Made by Dolph Co.
4. Trade name, model, catalog number and other manufacturer's designation.	Cat. No. 22S.
5. Original intended use.....	For use on heating system.
6. Style or kind: single, duplex, low pressure, thermostatic, etc.	Duplex style.
7. Size number.....	-----
8. Capacity:	
a. Capacity in sq. ft. direct C. T. radiation or equivalent.	Direct C. T. radiation 2,000 sq. ft.
b. Pump capacity (gallons per minute).....	Pumps 3 gallons per minute.
c. Receiver capacity (gallons).....	Receiver capacity 20 gallons.
9. Working pressure (SWP).....	Working pressure (SWP) 20 lb. per sq. in.
10. Mounting: floor, underground, etc.....	Floor mounted.
11. Material.....	Made of steel.
12. Power source: electric, steam, etc. (also indicate if power unit is included).	Power unit included, electric motor driven.
13. Voltage, phase, cycle or voltage D. C., horsepower, etc.	110 v, single phase, 60 cycle, ½ hp.
14. List and described special equipment, attachments, spare parts and accessories included.	-----
15. How packaged.....	Crated.

Unit for Reporting Quantity

Item..... 22 pumps.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 513.

FURNACES, FAN FURNACE UNITS, UNIT HEATERS, UNIT VENTILATORS AND PARTS

A furnace is a space heating device for providing heated air to one or more space units by means of one or more ducts.

A unit heater is a space heating device for providing heated air to the single space unit in which it is located. Sometimes a unit heater may be located outside of the space unit to be heated, connected to it by a duct, in which case the only distinction between the unit heater and the furnace lies in the fact that the unit heater is intended for use within the space, even though adapted to use outside the space.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Furnace.
2. Type: pipe, pipeless, suspended, floor mounted, etc.	Pipe type.
3. Kind of heat: hot water, steam, warm air, etc.....	For warm air heat.
4. Manufacturer.....	Made by Doshier Co.
5. Trade name, model, catalog number and other manufacturer's designation.	No. 24, Junior model.
6. Specifications, including source or issuer.....	-----
7. Size number.....	Size No. 3.
8. Capacity: area in cubic feet, square inch pipe area, BTU bonnet rating, equivalent sq. ft. direct radiation or cubic feet of air handled per minute.	465 sq. in. pipe area capacity.
9. Dimensions:	
a. For furnaces: firepot dimensions or diameter.	Firepot 20" diam.
b. Over-all measurements (length, height, width or diameter).	Over-all measurement 43" diameter, 73" high.
10. Kind of fuel used: gas, oil, coal, steam, etc.....	Coal burning.
11. How fired: oil burner (pot or gun), stoker, hand, etc. (for furnaces).	Hand fired.
12. Material.....	Furnace made of cast iron, casing made of galvanized sheet steel.
13. Power source of fan unit: electric, steam, etc.....	-----
a. If electric specify voltage, phase, cycles or voltage D. C.	-----
14. For parts, indicate make and model number of furnace or unit for which designed.	-----
15. Weight.....	Shipping weight 1082 lb.
16. List and describe special equipment, attachments, spare parts and accessories included.	No. X2 automatic heat controls and one automatic humidifier included with each furnace.
17. How packaged.....	Crated.

Unit for Reporting Quantity

Item..... 10 furnaces.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 513, 514.

SHEET METAL AIR DUCTS, PIPE AND FITTINGS

Type of Products Covered

(A)

Basement ducts	Furnace collars	Transition fittings
Dampers	Leader pipe	Smoke pipe and fittings
Damper fittings	Register boxes	Wyes
Flue pipe	Transition boots	Etc.

*Information Needed**Example*

1. Descriptive name of product.....	Warm air stack angle.
2. Type.....	Snap lock type.
3. Style.....	Style "R"—45°.
4. Manufacturer.....	Made by Ready Mfg. Co.
5. Trade name, model, catalog number and other manufacturer's designation.	Catalog No. 3-459E.
6. Size or dimensions.....	3" deep, 10" wide.
7. Material.....	Made of tin plate.
8. Gauge or thickness (for <i>sheet metal products</i>).....	.028" thick.
9. Finish.....	Natural finish.
10. How packaged.....	Packed 24 to crate.

Unit for Reporting Quantity

Item..... 800 angles.

GRILLES, HUMIDIFIERS AND REGISTERS

(B)

*Information Needed**Example*

1. Descriptive name of product.....	Warm air register.
2. Type: floor, wall, etc.....	Wall type, adjustable louvres.
3. Manufacturer.....	Made by Bart Mfg. Co.
4. Trade name, model, catalog number, and other manufacturer's designation.	Model 484-M.
5. Size or over-all dimensions.....	12" long, 6" wide.
6. Material.....	Made of pressed steel.
7. Finish.....	Black enamel finish.
8. Single or double face (for <i>registers</i>).....	Single face.
9. How operated: manual or automatic.....	Manually operated.
10. List and describe special attachments included.....	
11. How packaged.....	Individually packed in cardboard carton.

Unit for Reporting Quantity

Item..... 230 registers.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 514.

STOVES RANGES AND OVENS EXCEPT ELECTRIC

Type of Products Covered

Combination cooking and heating stoves	Ovens
Cooking stoves	Table stoves
Cooking ranges	Etc.

For electrical appliances see page 40, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Cooking range.
2. Type: coal, wood, gas, oil, combination, etc.....	Coal-wood type.
3. Style or design; balanced design, high oven, etc....	Balanced design.
4. Manufacturer.....	Made by Ray Mfg. Co.
5. Trade name, model, catalog number and other manufacturer's designation.	"Table-top" model, cat. No. 286-B-2114.
6. Specification, including source or issuer.....	-----
7. Size or dimensions:	
a. Over-all: width, depth and height.....	52" wide, 28" deep, 40" high, over-all.
b. Cooktop: width, depth and height.....	Cooktop 40 $\frac{1}{4}$ " wide, 23" deep, 32" high.
c. Burners and lids: number and diameter....	6-8" lids.
d. Firebox: length, width and depth.....	Firebox 16" long, 7 $\frac{1}{4}$ " wide, 9 $\frac{1}{2}$ " deep.
e. Oven: width, depth and height.....	Oven 18" wide, 17" deep, 11 $\frac{1}{4}$ " high.
f. Water and oil reservoir: length, width, depth or capacity.	24-qt. water reservoir.
g. Warming closets, shelves and drawers: number and width, depth and height of each.	One warming shelf, 40 $\frac{1}{4}$ " wide, 9" deep.
8. Construction:	
a. Material: cast iron, sheet steel, etc.....	Steel body and oven, cast iron top and firebox.
b. Parts of oven insulated: completely, top, side, etc.	Oven top and sides insu- lated.
c. With or without automatic heat control.....	-----
9. Kind of burners: pot, sleeve, wickless, etc. (for oil or gas units).	-----
10. Heating capacity: cubic foot, BTU or number of rooms (for space heaters).	-----
11. Color and finish.....	White enamel finish.
12. List and describe special equipment, attachments, spare parts, and accessories included.	Equipped with built in oven thermometer.
13. How packaged.....	Factory crated.

Unit for Reporting Quantity

Item..... 41 ranges.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 515, 516.

**COOKING AND WARMING EQUIPMENT WITH SELF-CONTAINED
HEATING UNITS, EXCEPT ELECTRIC**

Type of Products Covered

Bain maries	Deep fat fryers	Steam jacketed kettles
Broilers	Egg boilers	Steam tables
Cereal cookers	Griddles	Toasters
Coffee, tea and water urns	Steam cookers	Etc.

For electrical appliances see page 40, Section IX.

For cooking and warming equipment without self-contained heating units see page 54, Section XXI.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Bain marie.
2. Kind of heat used: gas, oil, steam, etc.....	Uses steam.
3. Manufacturer.....	Made by XYZ Co.
4. Trade name, model, catalog or serial number and other manufacturer's designation.	"Jiffy" model, serial No. 4868.
5. Specification including source or issuer.....	
6. Size number.....	Size number 3.
7. Over-all dimensions.....	30" high, 20" diameter over-all.
8. Capacity: gallons, quarts, pints, pieces, etc.....	15 gallon capacity.
9. Material: cast iron, glass, steel, aluminum, etc.....	Made of stainless steel.
10. Color and finish: porcelain enamel, galvanized, etc.....	
11. Kind of control: automatic or manual.....	Manual control.
12. List and describe special equipment, attachments, spare parts and accessories included.	
13. How packaged.....	Individually packed in corrugated carton.

Unit for Reporting Quantity

Item..... 13 bain maries.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 516.

(A) STOKERS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Stoker.
2. Type: domestic or industrial.....	Industrial type.
3. Style: hopper or bin.....	Hopper style.
4. Manufacturer.....	Made by Jensen Mfg. Co.
5. Trade name, model, catalog number and other manufacturer's designation.	"C" model, serial No. 12863.
6. Over-all dimensions: length, width and height.....	83½" long, 24" wide, 42" high, over-all.
7. Rated capacity (pounds of coal burned per hour)...	3 feed rates: burns 85, 125 or 250 lb. per hr.
8. Fuel burned: anthracite or bituminous.....	Burns bituminous coal.
9. Feed:	
a. Worm, ram, chain grate, etc.....	Worm feed.
b. Continuous or intermittent.....	Intermittent.
10. With or without ash remover.....	No ash remover.
11. Power source: electric, steam, etc. (also indicate if power unit is included).	Electric motor driven, power unit included.
12. Voltage, phase, cycle or voltage D. C., steam pressure, horsepower, etc.	110-v, single-phase, 60-cycle, ½ hp.
13. List and describe special equipment, attachments and accessories included: timer control, thermostat, etc.	Thermostatic control for steam heating and timer control included.
14. How packaged.....	Crated on skid.
<i>Unit for Reporting Quantity</i>	
Stoker.....	11 stokers.

OIL AND GAS BURNING EQUIPMENT

(B) *Type of Products Covered*

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Oil burner.
2. Type: gun, vaporizing, combination oil-gas, vertical rotary cup, pressure atomizing, etc.	Pressure atomizing type.
3. Manufacturer.....	Made by Hansen Co.
4. Trade name, model, size, catalog number and other manufacturer's designation.	Model BH, size 1.
5. Serial number.....	Serial No. 12386.
6. Kind and grade of fuel(s) burned.....	Burns No. 3 oil.
7. Feed: pump or gravity.....	Pump feed.
8. Fuel consumption: cubic ft. per hr. for gas, gallons per hour for oil.	Consumes 1 to 3 gallons of oil per hour.
9. Mounting: pedestal, flange, etc.....	Flange mounted.
10. Power source: electric, air, etc.....	Electric motor driven.
11. Voltage, phase, cycle or voltage D. C.....	110 v, single phase, 60 cycle.
12. Shipping weight.....	Shipping weight 135 lb.
13. List and describe special equipment, attachments, spare parts and accessories included.	One BXY automatic control for hot water included.
14. How packaged.....	Individually crated.
<i>Unit for Reporting Quantity</i>	
Burner.....	61 burners.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 517.

**DOMESTIC WATER HEATERS (EXCEPT ELECTRIC), STORAGE TANKS
AND PARTS**

Type of Products Covered

Direct fired heaters	Water backs and fronts
Indirect heated	Firepot coils
Water storage tanks	Water heater reservoirs, etc.

For electric water heaters, see page 40, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Water storage heater.
2. Type: side arm, instantaneous, underfired, etc.....	Automatic underfired type.
3. Kind of fuel used: gas, oil, etc.....	Burns gas.
4. Manufacturer.....	Made by Land and Co.
5. Trade name, model, catalog number and other manufacturer's designation.	Trade name "Puritan," model 30.
6. Size number.....	Size number 3.
7. Over-all dimensions.....	15" diameter, 78" high over-all.
8. Capacity:	
a. Heaters (gallons heated per hour).....	Heats 30 gallons per hr.
b. Storage tanks (in gallons).....	
9. Number and size of tapplings.....	4—1" tapplings (2 inlets and 2 outlets).
10. Tested working pressure.....	Tested working pressure, 250 lb.
11. Material.....	
a. Tank, coils, etc.....	Steel tank.
b. Insulation.....	Mineral wool insulation.
12. Color or finish.....	
a. Tank.....	Galvanized finish tank.
b. Case.....	Green enameled case.
13. Weight: standard, extra heavy, etc. (for tanks).....	
14. List and describe special equipment, attachments, spare parts and accessories included.	
15. How packaged.....	Factory crated.

Unit for Reporting Quantity

Item..... 10 heaters.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 518.

(A) INCINERATORS AND COMPONENTS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Incinerator.
2. Type: portable, wall, floor-base, etc.....	Wall type.
3. Manufacturer.....	Made by Kolstat Mfg. Co.
4. Trade name, model, catalog number and other manufacturer's designation.....	"Junior" model, No. 102.
5. Specification, including source of issuer.....	-----
6. Use for which designed.....	Intended for burning garbage.
7. Over-all dimensions.....	16 $\frac{1}{4}$ " wide, 16" deep, 37" high, over-all.
8. Capacity: pounds or bushels per hour.....	1 $\frac{1}{4}$ bushels per hour capacity.
9. How fired: gas, oil, coal, etc.....	Gas fired.
10. Type of feed: hopper, chute, shovel, etc.....	Shovel feed.
11. Material: cast iron, steel, etc.....	Made of cast iron.
12. Finish: plain, enamel, etc.....	Plain metal finish.
13. List and describe components, special equipment, attachments, spare parts and accessories included.....	One "Fire-time" regulator included.
14. How packaged and weight.....	Factory crated, shipping weight 500 lb.
<i>Unit for Reporting Quantity</i>	
Item.....	6 incinerators.

(B) AIR-CONDITIONING CENTRAL SYSTEMS, ICE-MAKING PLANTS AND COLD STORAGE PLANTS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Air-conditioning system.
2. Type.....	Water condensing type.
3. Manufacturer.....	Made by Bannion Co.
4. Trade name, model, catalog number and other manufacturer's designation.....	"King Cole," stationary model F-145.
5. Capacity: CFM, BTU, tons, etc.....	200-ton capacity.
6. Kind of refrigerant used: ammonia, methyl chloride, freon, sulphur dioxide, etc.....	Refrigerant, freon.
7. Year made.....	Made in 1941.
8. Last operated.....	Last operated September 1944.
9. For <i>ice-making plants</i> :	
a. Type of ice: block, cube, etc.....	-----
b. Distilled or raw-water type.....	-----
10. For <i>cold storage plants</i> :	
a. Prefabricated, truck or trailer, portable or nonportable.....	-----
b. If portable type, size of rooms, thickness and kind of insulation.....	-----
c. Storage temperature (degrees fahrenheit).....	-----
11. Components: list and describe major components, such as compressors, condensers, cooling coils, motors, filters, fans, etc., using the descriptive standards for such equipment as established elsewhere in the Handbook (see General Index).	Includes the following components: (follow with the number and the description of the components).
<i>Unit for Reporting Quantity</i>	
Plant or system.....	1 air-conditioning central system.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 519, 521, 527.

AIR-CONDITIONING AND REFRIGERATION UNITS

Type of Products Covered

Air-conditioning units	Drinking water coolers
Beer dispensers	Frozen food storage cabinets
Bottled beverage dispensers (including coin-operated)	Household refrigeration units
Cabinets (professional and scientific equipment)	Ice cream freezers and dispensers (including coin-operated)
Commercial refrigeration units	Ice refrigeration units
Display case refrigerators	Industrial refrigeration units
	Soda fountains, etc.

For *air-conditioning central station systems* (field assembled) *ice-making plants and electric cold storage plants*, use descriptive standards on page 12B.

For inventory descriptions of components, accessories, and parts of air-conditioning and refrigeration units, air-conditioning central systems, ice-making plants and cold storage plants use descriptive standards on page 14.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Refrigerator.
2. Type:	
a. For <i>refrigeration equipment</i> : walk-in, reach-in, under-counter, etc.	Reach-in, display case type.
b. For <i>air-conditioning units</i> : window-type, store or room cooler, central station type.	-----
3. Kind of system: absorption, circulating water, steam jet, etc.	Absorption system.
4. Manufacturer.....	Made by ABC Mfg. Co.
5. Trade name, model, catalog number and other manufacturer's designation.	"Cold King," model M425.
6. Dimensions, over-all.....	10 ft. long, 4½ ft. high, 2 ft. wide.
7. Capacity.....	45 cu. ft. capacity.
8. Structural characteristics:	
a. Material.....	Porcelain steel over wood frame construction.
b. Insulation (cork, mineral wool, celotex, etc.).	Mineral wool insulation, 3" thick.
c. Number of display doors.....	4 sliding doors.
d. Entrance door (right or left hand).....	-----
9. Finish and color.....	White color, chrome trim.
10. Kind of refrigerant.....	Methyl chloride refrigerant.
11. Refrigeration unit: self-contained or remote (if remote, indicate if included).	Self-contained refrigeration unit.
12. Power source:	
a. Electric, gas, steam, etc.....	Electric motor, direct drive.
b. If electric give make, type, horsepower, voltage, phase, cycle, voltage D. C.	Made by XYZ Co., 3 hp., 220 v, single phase, 60 cycle.
13. For <i>ice refrigerators</i> :	
a. Capacity of ice chamber or bunker (pounds or tons)	-----
b. Form of ice: block ice or cracked ice.....	-----
14. For <i>frozen food cabinets</i> , indicate maximum storage temperature (10° F. above zero, 5° F. below zero, etc.)	-----
15. Weight.....	1,500 lb. gross weight.
16. How packaged.....	Individually crated.
<i>Unit for Reporting Quantity</i>	
Item.....	10 refrigerators.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 521, 522, 523, 524, 525, 526, 528, 529.

**AIR-CONDITIONING, REFRIGERATION, COLD-STORAGE PLANT AND
ICE-MAKING PLANT COMPONENTS, ACCESSORIES, AND PARTS**

Type of Items Covered

Baffles	Parts
Cooling towers	Refrigerant accumulators
Coils	Refrigerant receivers
Dumpers	Refrigerant strainers
Drip pans	Surge drums and tanks
Eliminators	Etc.
Odor absorbers	

NOTE.—Components, accessories and parts to be described on this page do not include items such as, compressors, filters, controls, etc. Standards for describing such items have been established elsewhere in the handbook (see General Index).

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Coil.
2. Type.....	Cooling and dehumidifying type.
3. Manufacturer.....	Made by Drew Mfg. Co.
4. Trade name, model, catalog number or other manufacturer's designation.....	Cat. No. M-4000.
5. Equipment for which designed:	
a. Name of equipment.....	Designed for "Zero Cold" walk-in meat cooler.
b. Manufacturer.....	Manufactured by McCann Mfg. Co.
c. Model number.....	Model VN-86.
d. Year made.....	Made in 1941.
6. Dimensions.....	6' wide, 24" deep, 78" long.
7. Capacity.....	Day heat load capacity 69,200 BTU.
8. Material.....	5/8" copper tubes, aluminum fins.
9. How packaged.....	Individually crated.

Unit for Reporting Quantity

Item..... 24 coils.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 527.

ELECTRIC LAMPS (BULBS), TUBES AND RELATED LIGHT SOURCES

Type of Products Covered

Aviation service lamps	Neon type lamps and tubes
Incandescent lamps	Photo-flash lamps
Mercury vapor lamps	Photo-flood lamps
Miniature lamps (low voltage)	Series lighting lamps
Motion-picture and projection lamps	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Illuminating lamp.
2. Kind: incandescent, vapor, etc.....	Incandescent.
3. Type of service: residence lighting, street lighting, projection, etc.	For residence service.
4. Manufacturer.....	Made by Dexter Lamp Co.
5. Trade name, model, catalog number and other manufacturer's designation.	"Dexco", number A-19.
6. Amperes or watts.....	300 watts.
7. Volts or voltage range.....	115 volts.
8. Kind of base: mogul, medium standard, 3-contact mogul, bipin, bipost, bayonet, etc.	Mogul screw base.
9. Shape of bulb: flame, round, (globular), pear shape, tubular, etc.	Pear shape.
10. Color and finish: daylight, colored, neck-silvered, bowl-silvered, inside coated, outside coated, etc.	Inside coated, ivory finish.
11. For <i>fluorescent lamps and tubing</i> :	
a. Kind of vapor inside tube: neon, mercury, sodium, etc.	-----
b. Dimensions of tube:	
Length between connections (in inches)	-----
Diameter.....	-----
c. High or low power factor.....	-----
12. For <i>photo-flash lamps</i> :	
a. Light output in lumen seconds.....	-----
b. Daylight or color film type.....	-----
13. How packaged (type of package and content).....	Packed 24 lamps per corrugated carton.

Unit for Reporting Quantity

Preferred: Lamp or tube.....	10,800 lamps.
Acceptable: Carton.....	-----

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 327.

OUTDOOR LIGHTING FIXTURES

Type of Products Covered

Floodlights	Pump and island lights
Searchlights	Yard lights
Architectural border lights	Sign and billboard lights
Entrance lights or lanterns	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of products.....	Floodlights.
2. Kind of light: incandescent, fluorescent, cold cathode, carbon arc, kerosene, gasoline, etc.	Incandescent.
3. Type:	
a. Open or enclosed, watertight, weather-proof, explosion-proof, etc.	Weather-proof glass lens enclosure.
b. Narrow or wide beam.....	Wide beam type.
4. Manufacturer.....	Made by The OK Mfg. Co.
5. Trade name, model, catalog number and other manufacturer's designation.	Cat. No. 6146.
6. Original intended use.....	For athletic field lighting.
7. Specification including source or issuer.....	
8. Dimensions.....	Diam. 18 $\frac{1}{4}$ "', height 23 $\frac{1}{4}$ "', depth 12 $\frac{1}{2}$ "'.
9. Material:	
a. Body of fixture.....	Steel body construction.
b. Reflector.....	Etched aluminum reflector.
10. Finish.....	Body finished in baked enamel over alzak.
11. Color (of globe or lens, etc.).....	Clear glass lens.
12. Kind of mounting or brackets: cross-arm, slip-fitter, etc.	Cross-arm mounting.
13. Length and type of connecting cable.....	Connecting cable No. 14, two conductor A. F. S. rubber covered 26 in. long.
14. Power unit description:	
a. Voltage, amperes and lumens, A. C., D. C., etc.	220 volts A. C. 1,000 watts.
b. Operating light control and distribution: direct, semi-direct, indirect, etc.	Direct light control.
15. Equipped with film cut-out device (for <i>series lighting</i>).	-----
16. Weight.....	Shipping weight 31 $\frac{1}{4}$ lb.
17. List and describe special equipment, attachments, spare parts and accessories included.	-----
18. How packaged.....	Individually packed in original wooden crate.

Unit for Reporting Quantity

Item..... 35 floodlights.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 531, 534, 535, 536, 537, 539.

INDOOR LIGHTING FIXTURES, INDUSTRIAL AND COMMERCIAL

Type of Products Covered

Lighting units, commercial	Ornamental lighting fixtures
Lighting units, industrial	Spotlights, floodlights, etc.
Local lighting units, commercial (desk, business machine, etc.)	Photographic, photoengraving, and blue-printing lighting equipment
Local lighting units, industrial (stack, bin, machine, work, etc.)	Special purpose lights (interior, sign, cove, booth, clinical, etc.)
	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Industrial lighting fixture.
2. Type: spotlight, floodlight, etc.....	Portable projection type spotlight.
3. Kind: incandescent, arc, fluorescent, gas, oil, etc..	Incandescent light.
4. Style: explosion-proof, dust-proof, moisture-proof..	Moisture-proof, dust-proof.
5. Manufacturer.....	Made by OK Mfg. Co.
6. Trade name, model, catalog number and other manufacturer's designation.	Model "Concentrator," cat. No. C-42-64.
7. Original intended use.....	For inspection purposes in locomotive pit.
8. Specification, including source or issuer.....	
9. Dimensions.....	Body of fixture, length 22 in., diam. 10 in.
10. Capacity:	
a. Electric (number lamps and total wattage)...	Capacity, one lamp, 500 watts.
b. Other: oil, carbide, etc. (quarts, gallons, etc.)
11. Material.....	Body made of steel.
12. Color and finish.....	Black enamel exterior finish.
13. Mounting: bracket, pedestal, cross arms movable bar on castors, etc.	Bracket base mounting.
14. Weight.....	Shipping wt. 24 lb.
15. Electric current (amperes, volts, cycles, A. C. or D. C.)	115 v A. C.
16. Switch control: automatic, built-in, etc.....	Built-in switch control.
17. Additional information:	
a. For <i>industrial spotlights</i> :	
With or without focusing devices.....	With focusing devices.
Inner reflecting surface or separate reflector and lens.	With separate reflector.
Kind or color of lens.....	Clear, crystal lens.
b. For <i>general lighting units</i> (industrial operation control): whether equipped with photo-electric relay.
c. For <i>fluorescent indoor lighting fixtures</i> :	
High or low power factor.....
18. List and describe special equipment, attachments, spare parts and accessories included.
19. How packaged.....	Individually packed in corrugated carton.
<i>Unit for Reporting Quantity</i>	
Item.....	60 portable projection spotlights.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 531, 535, 536, 539.

RESIDENTIAL INDOOR LIGHTING FIXTURES

Type of Products Covered

Adapter units	Newel post fixtures
Ceiling fixtures	Pin-up lamps
Entrance, porch fixtures, not weather-proof	Table, mantel and dresser lamps
Floor and bridge lamps	Wall fixtures
	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Ceiling light fixtures.
2. Type: close ceiling, wall, chandelier, etc.....	Chandelier type.
3. Kind: electric, gas, etc.....	Electric.
4. Style: open or enclosed globe, direct or indirect lighting.....	Open top globe, semi-direct.
5. Manufacturer.....	Made by OK Mfg. Co.
6. Trade name, model, catalog number and other manufacturer's designation.....	Model "Illuminar", cat. No. 0-0496.
7. Original intended use.....	Federal Housing Program.
8. Dimensions:	
a. Base or body.....	Body height, 8".
b. Stem or column.....	Stem length, 24".
c. Reflector globe or bowl.....	Bowl diam. 16".
d. Shade.....	
9. Capacity (number lamps, wattage and type).....	Capacity 5-40 watt lamps, standard type.
10. Material (aluminum, brass, bronze, etc.):	Material:
a. Base or body.....	Body, brass.
b. Stem or column.....	Stem, brass.
c. Reflector, globe or bowl.....	Bowl, glass.
d. Shade.....	
11. Color and finish.....	Fawn colored bowl, colonial brass body.
12. Operating control: pull-chain, key, wall, etc.....	Pull-chain or wall switch control.
13. High or low power factor (for fluorescent lighting fixtures).....	
14. Weight.....	Shipping wt. 14 lb.
15. List and describe special equipment, attachments, spare parts and accessories included.....	
16. How packaged.....	Individually packed in corrugated carton.

Unit for Reporting Quantity

Item..... 42 ceiling light fixtures.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 534, 539.

VEHICULAR, MARINE, AND ROUTE AND BOUNDARY MARKING LIGHTING FIXTURES

Type of Products Covered

<p>Aircraft lighting assemblies Animal-drawn vehicle lights Automotive (passenger car, truck, bus, trailer) lights Boundary marking lighting fixtures Lighting standards Marine craft, boat and ship lights Marine channel, ship-lane and obstruction lights, markers</p>	<p>Motorcycle lights Railroad locomotive, tractor and exterior train lights Street and highway lighting, utilitarian Street and highway traffic light sections, signal Street, parkway and bridge Lighting, ornamental Etc.</p>
---	---

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Airport lighting fixture.
2. Type: beacon, approach, boundary, etc.....	Boundary marker type.
3. Kind: incandescent, vapor, etc.....	Incandescent light.
4. Style: explosion-proof, dust-proof, weather-proof, etc.....	Water-tight.
5. Manufacturer.....	Made by OK Mfg. Co.
6. Trade name, model, catalog number and other manufacturer's designation.....	Catalog No. 0494.
7. Original intended use.....	For marking boundaries.
8. Specification including source or issuer.....	-----
9. Size:	
a. Over-all dimensions.....	5 in. diam., 11 in. high, over-all.
b. Diameter of conduit fitter or bracket.....	¾ in. outlet conduit fitter.
c. Size of lens in mm (for <i>flashing fixtures</i>).....	-----
10. Capacity:	
a. Multiple or series lighting lamps.....	Multiple unit.
b. Kind of globe or lens.....	With prismatic globe.
11. Material.....	Silco-aluminum body, glass globe.
12. Color and/or finish.....	Aluminum finish.
13. Mounting: cone-type, flush type, etc.....	Cone-type mounting.
14. Power unit characteristics:	
a. Power or fuel source: electric, kerosene, battery, etc.....	Electric power.
b. Electric current (volts, watts, lumens, A. C. or D. C., etc.).....	A. C. 60 watt lamp.
c. For <i>fluorescent light fixtures</i> (high or low power factor).....	-----
d. For <i>series-lighting fixtures</i> , indicate if equipped with film cut-out device.....	-----
15. Weight.....	Shipping weight 10 lb.
16. List and describe special equipment, attachments, spare parts and accessories included.....	-----
17. How packaged.....	Packed one in corrugated carton.

Unit for Reporting Quantity

Item.....	60 airport boundary lighting fixtures.
-----------	--

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 532, 533, 536, 537, 538, 539.

FLASHLIGHTS, LANTERNS, AND OTHER HAND PORTABLE LIGHTING DEVICES

Type of Products Covered

Emergency warning hazard lights, flashers bombs, etc.	Inspection lights
Flashlights and flashlight lanterns	Marine lanterns with bail and/or grip
Hand lanterns, industrial and utility	Miner's lights, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Inspection light with guard.
2. Type: battery, portable or extension.....	Portable, extension type.
3. Kind: electric, gasoline, kerosene, etc.....	Electric.
4. Style: explosion-proof, dust-proof, vapor-proof, etc.....	Vapor, dust and moisture proof.
5. Manufacturer.....	Made by OK Mfg. Co.
6. Trade name, model, catalog number and other manufacturer's designation.....	Trade name "Greyback", cat. No. 363.
7. Specification, including source or issuer.....	-----
8. Size.....	Size No. 14 standard.
9. Dimensions.....	Fixture, length 11 in., width, 8 in.; cord length 25 ft.
10. Material.....	Guard and globe holder of cast aluminum; handle and cord, rubber.
11. Weight.....	Shipping wt. 6 lb.
12. Kind of mounting.....	Service hanger attached to guard.
13. High or low power factor (for fluorescent types).....	-----
14. For hand lanterns:	
a. Position and number of bulbs (top, side, or bottom).....	-----
b. Single or dual reflection (beam or flood-light).....	-----
15. List and describe special equipment, attachments, spare parts and accessories included.....	-----
16. How packaged.....	Packed one fixture complete in corrugated carton.

Unit for Reporting Quantity

Item.....	140 portable inspection lights, complete.
-----------	---

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 536, 539.

COMMUNICATIONS EQUIPMENT, ELECTRONIC DEVICES, ALARM AND SIGNAL CONTROL EQUIPMENT

ALPHABETICAL INDEX TO SECTION XI

	Page		Page
Adapters.....	24	Dials, dial plates: radio.....	35
Address equipment: public.....	24	Diaphragms: loud speaker.....	35
Aerials and aerial kits: radio.....	28	Direction finders: radio aerials.....	28
Alarm and signal equipment: household.....	39	Distributors: telegraph.....	38
Alarm and signal equipment: traffic, transit; see Section XII.....	—	Drivers: speaker: power amplifiers.....	26
Alarm systems: anti-intrusion, burglar, police.....	39	Dynamotors: see page 35 Section IX.....	—
Alarm systems: fire.....	39	Earphones: radio.....	26
Alarm systems: watchman.....	39	Electronic tubes.....	29(A)
Alternators: electrical, see page 35 Section IX.....	—	Exchange equipment: telephone.....	36
Ammeters: see Section XIX.....	—	Facsimile equipment: telegraph.....	36
Amplifiers: audio, radio.....	26	Facsimile receivers: radio.....	24
Analysts: radio set: see Section XIX.....	—	Facsimile stations, systems: radio.....	23
Annunciators: commercial, household.....	39	Facsimile transmitters: radio.....	24
Antennas and equipment.....	28	Ferrules: radio hardware.....	35
Anti-intrusion alarm systems.....	39	Field detection apparatus: electrical, elec- tronic, magnetic.....	24
Attenuators: variable resistors.....	33	Field strength meters: see Section XIX.....	—
Audio transformers.....	30	Filters: radio.....	32
Automatic alarm system: burglar, fire, police.....	39	Finders: direction: radio aerials.....	28
Automobile receivers: radio.....	24	Findings: radio mounting components.....	35
Ballast tubes: electronic.....	29(A)	Fire alarm systems.....	39
Batteries: see page 41 Section IX.....	—	Fittings: radio mounting components.....	35
Bells: vibrating: commercial, household.....	39	Frequency control crystals.....	29(B)
Binding posts: electrical.....	35	Frequency meters: electronic: see Section XIX.....	—
Booths and fittings: telephone.....	36	Frequency modulation (FM) transmitters: radio.....	24
Bridges: electric measuring instruments: see Section XIX.....	—	Fuse mounts: radio.....	35
Broadcast stations, systems: radio.....	23	Galvanometers: see Section XIX.....	—
Burglar alarm systems.....	39	Generators: electric: see page 35 Section IX.....	—
Buttons: push: commercial, household.....	39	Generators: frequency signal: see Section XIX.....	—
Buzzers: vibrating: household.....	39	Gongs: commercial, household.....	39
Cabinets: radio mounting components.....	35	Goniometer equipment: radio.....	24
Cable: coaxial.....	34	Grommets: radio hardware.....	35
Cable equipment: telegraph, telephone.....	36	Handsets: telephone.....	36
Call systems: signal: household: commercial.....	39	Hardware: radio.....	35
Capacitors: electronic.....	32	Heads: pickup, recording.....	26
Carrier equipment: telegraph, telephone.....	36	Headsets.....	26
Carrier systems.....	23	Heat emission detection apparatus.....	24
Cathode ray tubes.....	29(A)	Horns: compressed air: alarm, signal.....	39
Central office equipment: telephone.....	36	Horns: loud speaker.....	26
Chassis: radio mounting components.....	35	Household alarm and signal equipment.....	39
Chimes: commercial, household.....	39	Iconoscopes.....	29(A)
Chokes: electronic.....	30	Impedance bridges: see Section XIX.....	—
Clamps: radio accessories.....	35	Inductance bridges: see Section XIX.....	—
Clips: radio accessories.....	35	Inductors.....	30
Coaxial cable.....	34	Insulators: see Sections V and IX.....	—
Coil forms.....	35	Instruments: telegraph, telephone.....	36
Coils: electrical: communication and elec- tronic devices.....	30	Intercommunicating systems: voice.....	36
Coils: loading: telephone.....	36	Interphones: intercommunication.....	36
Combination phonographs and radios.....	24	Interrupting components: electronic.....	29(B)
Combination receivers and transmitters: radio.....	24	Inverters: electric: rotary: see page 35 Sec- tion IX.....	—
Combination receivers: audio and television.....	24	Inverters: vibrators: radio.....	29(B)
Communicating systems: inter-office type: voice.....	36	Inverters: power supply.....	27
Communication equipment: radio.....	24	Jacks.....	35
Communications stations, systems: radio.....	23	Keys: telegraph.....	36
Communications systems: wire.....	23	Kinescopes.....	29(A)
Compasses: radio beam: see Section XIX.....	—	Knobs: glass, porcelain: see Section V.....	—
Condensers: electronic.....	32	Knobs: plastic: see Section XXI.....	—
Connectors, connecting components: radio.....	35	Knobs: wooden: see page 28(A), Section II.....	—
Converters: rotary: see page 35 Section IX.....	—	Lamps: dial: neon: see Section X.....	—
Converters: sound: radio.....	26	Lead-in strips: radio conductors.....	34
Cord: wire and cable: electronic.....	34	Light emission detection apparatus.....	24
Couplings: radio.....	35	Loops: antenna.....	28
Crystal assemblies: electronic.....	29(B)	Lord mounts: radio.....	35
Crystals: piezo electric: quartz, rochelle salts.....	29(B)	Loud speakers.....	26
Decade box: capacitors.....	32	Lugs: terminal.....	35
Decade box: resistors.....	33	Magnetic field detection apparatus.....	24
Decibel meters: see Section XIX.....	—	Masts: antenna: see page 11(B), Section I.....	—
Detection apparatus: electronic, magnetic, heat, light, object (radar).....	24	Meggers: electronic test equipment: see Sec. XIX.....	—
Dial equipment: telephone.....	36	Meters: controlling, indicating, recording: see Section XIX.....	—

ALPHABETICAL INDEX TO SECTION XI—Continued

	Page		Page
Microammeters: see Section XIX	—	Sirens: chopper: alarm	39
Microphones	26	Sockets: radio mounting components	35
Microvolts: see Section XIX	—	Sound detection apparatus except under- water	24
Milliammeters: see Section XIX	—	Sound equipment: communication, detec- tion, underwater	24
Millivoltmeters: see Section XIX	—	Sounding devices: alarm	39
Modulators: frequency	24	Spacers: radio	35
Monitor-station equipment: see Section XIX	—	Speaker drivers	26
Motor generators: see page 35, Section IX	—	Speakers: electrical	26
Motors: electric: see page 35, 36, Section IX	—	Standard crystals	29(B)
Mounting components: radio	35	Standards: measuring instruments: current, frequency: see Section XIX	—
Multimeters: electric instruments: see Sec- tion XIX	—	Stands: microphone bases	35
Multiplex equipment: telegraph	38	Stands: speakers: tripod type	35
Object detection apparatus: radar	24	Start-stop machines: printing telegraph	38
Oscillators: see Section XIX	—	Station equipment: telegraph, telephone	36
Oscillographs: see Section XIX	—	Stations: radio: broadcast, facsimile, tele- graph, telephone, television	23
Oscilloscopes: see Section XIX	—	Straps: radio terminal	35
Packs: B: power supply	27	Stroboscopes: see Section XIX	—
Packs: vibrator	27	Suppressors: radio noise	32
Panels: radio mounting components	35	Switchboard equipment: telegraph, tele- phone	36
Perforators: telegraph	38	Switches: electric: not power transmission	31
Phonographs: radio combinations	24	Systems: communication: carrier, radio, wire	23
Photoelectric tubes	29(A)	Tape transmitters: printing telegraph	38
Pickups, pickup heads	26	Telegraph equipment: except radio, and printing telegraph machines	36
Players: record: see Section XXI	—	Telegraph keys	26
Plugs: radio	35	Telegraph machines: printing	38
Police alarm systems	39	Telegraph stations, systems: radio	23
Police radio receivers	24	Telegraph stations, systems: wire	23
Police radio transmitters and combinations	24	Telephone instruments and equipment	36
Portable receivers: radio	24	Telephone station apparatus	36
Posts: binding	35	Telephone stations and systems: radio	23
Potentiometers: see Section XIX	—	Telephone stations, systems: wire	23
Power supplies: electronic: except vibrator: see Section XIX	—	Telephotography: radio	24
Power supplies: electronic: vibrator	27	Telephotography: wired	36
Power supply transformers: electronic	30	Teletype machines and equipment	38
Printing telegraph equipment	38	Television receivers and combinations(audio)	24
Probe-test	24	Television stations, systems	23
Program equipment: wired	24	Television transmitters	24
Public address equipment	24	Terminal room equipment: telegraph, tele- phone	36
Q meters: see Section XIX	—	Terminal strips: radio	35
Quartz crystals: piezo-electric	29(B)	Terminals: cable	36
R. F. and I. F. transformers, chokes: electron- ic inductors	30	Test equipment: radio and radar: see Sec. XIX	—
Racks: relay: radio mounting components	35	Test instruments: radio and radar: see Sec. XIX	—
Radar detection apparatus	24	Thermoammeters: see Section XIX	—
Radiators: antenna	28	Thermocouples: see Section XIX	—
Radio receivers	24	Towers: antenna: see page 11(B), Section I	—
Radio stations and systems	23	Transceivers: combination receivers and transmitters	24
Radio transmitters	24	Transformers: audio, power, I. F., R. F.	30
Reactors: electronic	30	Transmission lines: electronic	34
Receivers: radio	24	Transmitters: radio	24
Receptacles: plug: electric: see page 38, Sec- tion IX	—	Transmitters: tape: printing telegraph	38
Record players: see Section XXI	—	Tubes: electronic	29(A)
Recorders: tape: telegraph	38	Tubing insulation	35
Recording apparatus: communications	26	Tungar type tubes: low wattage rectifiers	29(A)
Recording heads	26	Turntables: phonograph: see Section XXI	—
Recording instruments: graphic, sound: see Section XIX	—	Underwater sound equipment: communica- tions	24
Rectifier tubes	29(A)	Variacs: transformers	30
Rectifier units	27	Variometers: see Section XIX	—
Rectifiers: electric equipment: see page 38, Section IX	—	Varioplex equipment: telegraph	36
Rectifiers: low wattage and grid controlled	27	Vibrator packs	27
Regulators: voltage: electronic: see Section XIX	—	Vibrators	29(B)
Relay racks, equipment: radio mounting components	14	Video equipment	24
Relays: electric: not power transmission	31	Voltmeters: see Section XIX	—
Repeater equipment: telegraph, telephone	39	Volt-ohmmeters: see Section XIX	—
Reperforators: telegraph	38	Voltohmysts: see Section XIX	—
Reproducers: sound: electronic	26	Walkie-talkies: radio	24
Reproducing apparatus: communications	26	Watchman supervisory systems	39
Resistors: electronic	33	Watt meters: see Section XIX	—
Rheostats: electronic	33	Welding tubes: electronic	29(A)
Rochele salts: piezo-electric	29(B)	Whistles: steam: alarm	39
Shields: coil, tube: radio	35	Wire communication systems	23
Shock mounts: radio	35	Wire: electrical: see page 14, Section I	—
Shunts: laboratory: see Section XIX	—	Wire: radio conductors	34
Signal generators: frequency: see Section XIX	—	X-ray tubes	29(A)
Signal systems: alarm: except railroad signal control equipment	39		

**RADIO COMMUNICATIONS, SYSTEMS AND STATIONS, AND
WIRE COMMUNICATIONS SYSTEMS**

Type of Systems Covered

Radio broadcast systems	Radio facsimile systems	Carrier systems
Radio telegraph systems	Centralized radio systems	Telegraph systems
Television systems	Radio telephone systems	Telephone systems

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of system, station, plant or unit	Radio station.
2. Specific type	Broadcast.
3. Last operator and last use	Last operator: Double Broadcast Co., for local programs.
4. Designing and consulting engineers	Consulting engineers: Crawford Associates.
5. Manufacturer (for integral wire communications systems).	
6. Manufacturer's drawing number (for integral wire communications systems).	
7. Government nomenclature, model or type number	
8. Year built and installed	Built and installed in 1942.
9. Rating	Rated at 5,000 w. output.
10. Provision for expansion	
11. Control and operations methods (remote, manual, automatic).	Automatic regulation with manual supervisory.
12. Over-all length, width and height of space required for equipment as set up.	Now installed in building 80 ft. long, 40 ft. wide, 30 ft. high.
13. Components: list and describe all the (a) operating and (b) spare major components, such as relay panels, generators, transmitters, antenna structures, telephone and telegraph instruments, ringing equipment, automatic exchange, etc., using the descriptive standards for such equipment as established in this section of the Handbook (see Index).	Includes the following components: (followed with the number and the description of the components).

NOTE.—Using the above descriptive data, a description of a telephone system might read: "Telephone system; automatic intercommunication type; for interoffice use; last used in plant of Dow Steel Co.; Dessie and Bell, designing engineers; made by Ringomatic Phone Co.; drawing No. 1749; built in 1940, installed in 1942; 100 line rating; 80 lines in use, provision for 20 additional lines; entirely automatic control; private automatic exchange is 30 ft. long, 20 ft. wide, 9 ft. high, instruments are desk type; includes the following components: [followed with the number and description of the components]."

Unit for Reporting Quantity

System or station..... 1 station.

Products of the type for which this page is used are not classified as such in the Standard Commodity Classification.

The items comprising these systems are classified by: 410.

COMMUNICATION EQUIPMENT, ELECTRONIC

Type of Products Covered

Radio transmitters	Radio goniometers	Transceivers
Radio receivers	Television transmitters	Radar equipment
Radio sets	Television receivers	Object detection equipment
Radio telegraph equipment	Public address equipment	Radio-phonographs
Radio facsimile equipment	Wired program equipment	Etc.

NOTE 1.—Descriptions for *radar* and *object detection equipment* have not been provided below. If any such equipment is to be reported, it should be described in the terms of, and under the regulations of, the owning agency.

NOTE 2.—A *radio set* is a complete two-way radio communication system comprising all transmitting, receiving and accessory components necessary for operation.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Radio transmitter.
2. Specific type.....	For fixed station, semi-portable.
3. Holder's part or drawing number.....	Camco No. 5678901.
4. Manufacturer.....	Made by Grate Radio Communications Inc.
5. Manufacturer's type number or AWS number.....	Type 80-B.
6. Army or Navy number.....	Army No. 8RT4567.
7. Physical description:	
a. Type of mounting.....	Mounted in metal cabinet.
b. Over-all dimensions: length, width, height.....	36½" long x 24¼" wide x 64" high, over-all.
c. Protective treatment.....	All parts treated for tropical service.
8. For <i>transmitters, receivers, and radio sets</i> .*	
a. *Type of signal: AM, FM, continuous wave, etc.	AM and CW signal.
b. *Frequency range and number of channels, or fixed operating frequency.	Frequency range: 125 to 525 kc in one band.
c. *Rated power output.....	Output: 500 w.
d. *Power supply: input voltage, frequency, phase and current.	Input: 220 v, 60 cycle 1 phase, 7 amp.
* For <i>radio sets</i> , furnish this information separately for <i>transmitter</i> and <i>receiver</i> .	
9. For <i>transmitters</i> :	
a. Frequency control: crystal controlled, master oscillator, etc.	Crystal controlled.
b. RF stages.....	RF stages: doubler, buffer and final amplifier, class "C".

(Continued on next page)

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 411, 412, 413, 414, 419, 796.

COMMUNICATION EQUIPMENT, ELECTRONIC—Continued

<i>Information Needed</i>	<i>Example</i>
10. For <i>receivers</i> :	
a. Number of tubes and type of circuit (TRF, superhet, regenerative, etc.).	-----
b. Band spread: electrical, mechanical	-----
c. Selectivity control: crystal filter, variable, step, etc.	-----
d. Sensitivity: input required for rated output	-----
e. Integral or plug-in coils	-----
11. For <i>amplifiers</i> :	
a. Power output* audio watts	-----
b. Gain or input sensitivity: decibels	-----
c. Frequency response: minimum to maximum cps.	-----
d. Number of input channels and input impedance.	-----
e. Output impedance	-----
f. Power supply: input voltage, frequency, phase, and current.	-----
12. For <i>radio-phonographs</i> :	
a. Automatic or non-automatic record changer	-----
b. Maximum size record accommodated	-----
c. Standard or portable	-----
d. Electrical characteristics: A. C., D. C., A. C.—D. C. and voltage.	-----
13. Components included: power units, modulator units, monitor or mixing panels, amplifiers, etc.—Give full description of each.	-----
14. Accessories included: tubes, coils, crystal units, instruction books, etc.	Includes 3 sets of tubes, 6 crystal units, connecting cables, and instruction book.

Unit for Reporting Quantity

Item ----- 4 radio transmitters.

* Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 411, 412, 413, 414, 419, 796.

**SOUND CONVERTERS AND REPRODUCERS
(MICROPHONES AND SPEAKERS)**

Type of Products Covered

Sound Converters

Microphones: carbon, crystal, dynamic, and velocity

Pickups: pressure, phono, crystal, dynamic, electromagnetic, sound, and vibration

Sound Reproducers

Speakers: crystal, dynamic, and permanent magnet

Headsets

Hand sets

Recording heads

Speaker driver

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product-----	Microphone.
2. Specific type-----	Dynamic type.
3. Holder's part or drawing number-----	
4. Manufacturer-----	Made by Smith and Co.
5. Manufacturer's trade name and type number or AWS number.	Type 55A.
6. Army or Navy number-----	Navy No. 2Z 416483.
7. Physical description:	
a. Type of mounting: above panel, through-panel, base, rack, etc.	Std. 5/8"-27 thread for stand mounting.
b. Over-all dimensions: length, width, height.	4 1/4" x 3 1/4" x 3 1/2" over-all.
c. Type of case and protective treatment: aluminum case, hermetically sealed, impregnated, tropicalized, etc.	
8. Impedance (in ohms)-----	Low impedance for 35 to 50 ohm circuits.
9. Response (frequency coverage in cycles)-----	Frequency coverage: 40 to 10,000 cycles.
10. For <i>sound converters</i> :	
a. Output level (in decibels or volts)-----	Output level 62.8 db below 6 milliwatt for 10 bar signal into 50 ohm circuit.
11. For <i>sound reproducers</i> :	
a. Type of field (PM, coil)-----	
b. Field resistance (in DC ohms)-----	
c. Field current (in amperes or milliamperes)-----	
d. Rated audio watts-----	
12. List and describe accessories included: cable, stand, base, transformer, cabinet, horn, etc.	Includes 25 ft. 2-conductor shielded cable.
13. How packaged (type of package and content)-----	Individually packed in cardboard carton.

Unit for Reporting Quantity

Item----- 2,800 microphones.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

POWER SUPPLY

Type of Products Covered

"B" pack	Inverters
Filament supply	Rectifier units
Hi voltage	Vibrator packs

For motor generators, etc., refer to page 35, Section IX.
 For amplidyne generators, etc., refer to page 36, Section IX.
 For generator sets, refer to page 37, Section IX.
 For batteries, refer to page 41, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product-----	Power supply.
2. Specific type-----	"B" voltage pack type.
3. Holder's part or drawing number-----	P. G. Co. No. 555638.
4. Manufacturer-----	Made by Jones Appliance Co.
5. Manufacturer's trade name and type number or AWS number.	Cat. No. 4Ba72.
6. Army or Navy number-----	Army No. BC4238.
7. Physical description:	
a. Type of mounting: base, rack, etc-----	Base mounting.
b. Over-all dimensions: length, width, height--	12" x 12" x 9½" over all.
c. Type of case and protective treatment: aluminum case, hermetically sealed, impregnated, tropicalized, etc.	Steel case, cadmium plated.
8. Input (voltage, frequency, phase, current)-----	Input: 110 v., 60 cycle, 1 phase, 0.4 amp.
9. Output (A. C., D. C. voltage, current of each tap)--	Output: A. C., 6.3 v., 2 amp.; D. C., 250 v., 50 ma.
10. Rectifier element: tube, vibrator, metallic-----	Tube rectifier.
11. Type of rectification: full-wave, half-wave, bridge--	Full-wave rectification.
12. Filtered or unfiltered-----	Filtered "B".
13. List and describe accessories included: cord, spare vibrator, etc.	Includes 9-ft. input connection cord and plug.
14. How packaged (type of package and content)-----	Individually packed in cardboard carton.
 <i>Unit for Reporting Quantity</i>	
Item-----	144 power supply packs.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

ANTENNAS

Type of Products Covered

Beam	Sterba
Directional	Transmitting
Dipole	Vertical
Hertz	Yagi
Loop	Zepp
Receiving	Etc.
Rhombic	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Antenna.
2. Specific type.....	Vertical radiator type.
3. Holder's part or drawing number.....	Aperex No. 417358.
4. Manufacturer.....	Made by Steel Tubing Co.
5. Manufacturer's trade name and type number or AWS number.....	
6. Army or navy number.....	Navy No. 14F3218.
7. Physical description:	
a. Type of mounting: base, rack, panel, etc....	For mounting on flat, horizontal surface.
b. Over-all dimensions: length, width, height.....	33 ft. over-all height.
c. Type of case and protective treatment: aluminum case, hermetically sealed, impregnated, tropicalized, etc.....	
8. Operating frequency (kc).....	7,000 kc operating frequency.
9. Radiator construction: tower, sectionalized rod, circular loop, umbrella, etc.....	Sectionalized rod construction.
10. Rotating or fixed.....	Fixed.
11. Feed type: base, transmission line, coaxial, transposed line, etc.....	Coaxial feed.
12. Number of reflectors.....	
13. Number of directors.....	
14. Support: guy wires, base insulator, towers, etc.....	Base insulator support.
15. List and describe accessories included: transformer, motor drive, feed line, etc.....	Base insulator included.

Unit for Reporting Quantity

Item..... 72 antennas.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

ELECTRON TUBES

(A)

Type of Products Covered

Cathode ray Photo	Receiving Rectifiers	Special purpose Transmitting	Voltage regulator Etc.
----------------------	-------------------------	---------------------------------	---------------------------

*Information Needed**Example*

1. Descriptive name of product.....	Electron tube.
2. Specific type.....	Transmitting, beam power amplifier.
3. Holder's part or drawing number.....	SAC No. 37964.
4. Manufacturer.....	Made by S. A. Co.
5. Manufacturer's trade name and type number or AWS number.	Type 1851.
6. Army or Navy number.....	Army No. VT 41.
7. Physical description:	
a. Type of mounting.....	Loctal mounting.
b. Over-all dimensions: length, width, height.	2 1/4" diam., 4" high.
8. Type of inspection: JAN, Army, Navy, etc.....	JAN inspected.
9. How packaged (type of package and content).....	Individually packaged.

Unit for Reporting Quantity

Item.....	1,400 tubes.
-----------	--------------

CRYSTALS AND VIBRATORS

(B)

Type of Products Covered

<i>Crystals</i>		<i>Vibrators</i>	
Frequency control	Frequency standard	Non-synchronous	Self-rectifying
Quartz blanks	Crystal assemblies	Power supply	Synchronous
	Etc.	Primary	Etc.

*Information Needed**Example*

1. Descriptive name of product.....	Crystal unit.
2. Specific type.....	Frequency standard type.
3. Holder's part or drawing number.....	
4. Manufacturer.....	Made by Bibsby Co.
5. Manufacturer's trade name and type number or AWS number.	Type No. SOC100X.
6. Army or Navy number.....	Navy No. 4ZF8956.
7. Physical description:	
a. Type of mounting.....	For standard 5-prong tube socket.
b. Over-all dimensions: length, width, height.	2 1/4" diam. 3/4" high.
c. Type of case and protective treatment....	In aluminum case, hermetically sealed.
8. For <i>crystals</i> :	
a. Frequency.....	Frequency: 100 kc.
b. Temperature coefficient (frequency change per degree centigrade).	Temp. coef. 3 cycles per mc per °C.
9. For <i>vibrators</i> :	
a. Primary volts.....	
b. Primary current.....	
10. How packaged (type of package and content)....	Packed 12 to a corrugated carton.

Unit for Reporting Quantity

Item.....	600 crystal units.
-----------	--------------------

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 415, 418.

TRANSFORMERS, COILS AND CHOKES

Type of Products Covered

<i>Power Transformers</i>	<i>Audio Transformers</i>	<i>Coils</i>	<i>Chokes</i>
Auto	Driver	Antenna	Filter
Filament	Interstage	Intermediate	Radio frequency
Plate	Matching	Oscillator	Swinging
Power	Microphone	Radio frequency	Etc.
Regulation	Modulation	Tank	
Etc.	Output, etc.	Variometer, etc.	

For utility and industrial types of transformers see page 38, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Transformer.
2. Specific type.....	Power, electronic equipment type.
3. Holder's part or drawing number.....	ACCO part No. L-43216.
4. Manufacturer.....	Made by Smith Elec. Co.
5. Manufacturer's trade name and type number or AWS number.	Model TC3.
6. Army or Navy number.....	Navy No. 4F462816.
7. Physical description:	
a. Type of mounting: above panel, through-panel, base, rack, etc.	Top-of-panel mounting.
b. Over-all dimensions: length, width, height.	5" x 3 1/2" x 4" over-all.
c. Type of case and protective treatment: aluminum case, hermetically sealed, impregnated, tropicalized, etc.	Moisture-proofed.
8. For <i>power transformers</i> :	
a. Input (primary volts, frequency, phase)...	Input: 120 volts, 60 cycles, 1.5 amp.
b. Secondaries (each secondary volts, amperes, taps).	1st secondary: 2.5 v., 3 amp. 2nd secondary: 450 v., 300 ma.
c. Power rating (watts, kva).....	Power rating: 250 watts.
d. Breakdown test: primary to secondary or to ground volts.	Breakdown test: 10,000 R. M. S. test volts.
9. For <i>audio transformers</i> :	
a. Primary impedance: current carrying capacity (ohms, milliamps).	-----
b. Secondary impedance: current carrying capacity (ohms, milliamps).	-----
c. Turns ratio: primary to secondary.....	-----
d. Power rating (watts).....	-----
10. For <i>coils</i> :	
a. Operating frequency or coverage (minimum-maximum kc, etc.).	-----
b. Inductance, in henries (minimum and maximum, if variable).	-----
c. Type of tuning: permeability, capacity, etc.	-----
d. Type of core: air, powdered iron, etc.....	-----
11. For <i>chokes</i> :	
a. Inductance (henries).....	-----
b. Maximum current capacity (amperes, milliamperes, etc.).	-----
c. Resistance (D. C. ohms).....	-----
d. Type of core: iron, air, etc.....	-----
12. How packaged (type of package and content).....	Individually packed in cardboard carton.
<i>Unit for Reporting Quantity</i>	
Item.....	150 transformers.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

RELAYS AND SWITCHES

Type of Products Covered

<i>Relays</i>		<i>Switches</i>	
Antenna switching - Step		Key	Telephone
Impulse	Telephone	Knife	Toggle
Keying	Telegraph	Micro	Wafer
Overload	Time delay	Push button	Etc.
Radio frequency	Underload	Rotary	
Sensitive	Etc.		

For utility and industrial types of relays, see page 38, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Relay.
2. Specific type.....	Antenna change-over type.
3. Holder's part or drawing number.....	E. S. Co. No. 5278413.
4. Manufacturer.....	Made by John Doe Associates.
5. Manufacturer's trade name and type number or AWS number.	Type D80A.
6. Army or Navy number.....	Army No. 2Z428428.
7. Physical description:	
a. Type of mounting: above panel, through panel, base, rack, etc.	Base mounted.
b. Over-all dimensions: length, width, height..	2¼" x 1½" x 1½" overall.
c. Type of case and protective treatment: aluminum case, hermetically sealed, impregnated, tropicalized, etc.	Specially impregnated for tropical use.
8. Number of poles and throws.....	3 pole, double throw.
9. Number of contacts and arrangement (number normally open or closed).	6 contacts: 3 normally open, 3 normally closed.
10. Voltage and current rating of contacts.....	Contacts rating: 200 v. D. C., 1.5 amp. continuous.
11. For <i>relays</i> :	
a. Voltage and current rating of coils.....	Coil rating: 28 v. D. C., 1 amp.
b. D. C. resistance of coil (ohms).....	60 ohms D. C. resistance.
c. Time delay (seconds, minutes, etc.).....	-----
12. For <i>switches</i> :	
a. Number of sections or decks.....	-----
b. Type of contacts (shorting or non-shorting).....	-----
c. Insulation voltage (flash volts).....	-----
13. How packaged (type of package and content).....	In individual cardboard boxes, 12 boxes to a corrugated carton.

Unit for reporting quantity

Item..... 85 relays.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 322, 418.

CAPACITORS

Type of Products Covered

<i>Fixed Capacitors</i>		<i>Variable Capacitors</i>	
Bypass	Oil filled	Gang	Trimmer
Ceramic tubular	Paper dielectric	Neutralizing	Tuning
Electrolytic	Vacuum or gas filled	Transmitter	Etc.
Filter	Etc.		
Mica dielectric			

For synchronous condensers, see page 35, Section IX.
For utility and industrial capacitors see page 38, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Capacitor.
2. Specific type.....	Variable, midget, tuning type.
3. Holder's part or drawing number.....	MFT Co. part No. 66775.
4. Manufacturer.....	Made by Mah Mfg. Co.
5. Manufacturer's trade name and type number or AWS number.	Type No. MC-250-M.
6. Army or Navy number.....	Navy No. 3ZR6757649.
7. Physical description:	
a. Type of mounting: panel, base, rack, etc....	Thru-panel mounting.
b. Over-all dimensions: length, width, height..	3¼" x 2¼" x 1¼" when open; ¼" shaft.
c. Type of case and protective treatment: aluminum case, hermetically sealed, etc.	Isolantite insulation.
8. Capacitance (MMFD or MFD—if variable, indicate maximum and minimum).	12 to 260 mmfd.
9. Voltage rating or plate spacing.....	900 v. rms test.
10. Dielectric (air, mica, ceramic, paper, etc.).....	Air dielectric.
11. For <i>fixed capacitors</i> :	
a. Capacity tolerance (percent).....	-----
b. Current rating at specified frequency.....	-----
c. Operating temperature (for transmitting types).	-----
12. For <i>variable capacitors</i> :	
a. Number of sections, if more than one.....	-----
b. Method of setting or adjustment: straight shaft, gear reduction, screw driver, etc.	Straight shaft setting.
13. How packaged (type of package and content).....	Packed ½ gross in corrugated carton.
 <i>Unit for Reporting Quantity</i>	
Item.....	1,440 capacitors.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

RESISTORS

Type of Products Covered

<i>Fixed Resistors</i>		<i>Variable Resistors</i>	
Ballast	Suppressor	Attenuator	Rheostat
Composition	Voltage divider	Potentiometer	Volume control
Metallized	Tapped		Etc.
Noninductive	Wire-wound		
Radio frequency	Etc.		

For utility and industrial types of resistors, see page 38, Section IX.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Resistor.
2. Specific type.....	Fixed type.
3. Holder's part or drawing number.....	XPC part No. 105, 728.
4. Manufacturer.....	Made by Duplex Co.
5. Manufacturer's trade name and type number or AWS number.....	"Duplair" type No. DW-1.
6. Army or Navy number.....	Army No. 3Z45,629.
7. Physical description:	
a. Type of mounting: above panel, through-panel, base, rack, etc.	Axial wire leads 1½" long.
b. Over-all dimensions: length, width, height.	1¼" long, ¼" diam.
c. Type of case and protective treatment: aluminum case, impregnated, etc.	-----
8. Resistance (ohms) and tolerance (percent).....	Resistance: 5000 ohms, ± 10% tolerance.
9. Power rating (watts or current).....	1 watt power rating.
10. Resistance element: composition, wire, etc.....	Wire-wound resistance element.
11. For <i>fixed resistors</i> :	
a. Taps (ohms per section; indicate if adjustable).	-----
b. Insulated or non-insulated.....	Bakelite insulation.
12. For <i>variable resistors</i> :	
a. Method of setting or adjustment: shaft, screw driver, etc.	-----
b. Taper: left, right, linear.....	-----
c. Accessories: with switch, knob, hexnut, etc.	-----
13. How packaged (type of package and content).....	Packed 1 gross in a corrugated carton.

Unit for Reporting Quantity

Item..... 6,480 resistors.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

WIRE AND CABLE

Type of Products Covered

Coaxial cable	Wire: hook-up, litz, flame
Cord	resistant, shielded, etc.
Lead-in strips	Etc.
Multiconductor cable	

For other types of wire and cable see page 14, Section I.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Cable.
2. Specific type.....	Coaxial, flexible.
3. Holder's part or drawing number.....	
4. Manufacturer.....	Made by Norco Wire and Cable Co.
5. Manufacturer's trade name and type number or AWS number.....	"Ampelon" RG-12.
6. Army or Navy number.....	
7. For <i>cords, lead-in strips, etc.</i> : length.....	
8. Number of conductors.....	Single axial conductor.
9. Gauge of wire or of each conductor (diameter or AWG).....	Number 12 AWG.
10. Material of wire or conductor: copper, tinned copper, steel, alloy, etc.....	Copper.
11. Construction of conductors: solid, stranded, etc.....	Solid.
12. Dielectric, outer conductor (for <i>coaxial cable</i>), and insulation.....	Air dielectric with polystyrene beads; outer conductor, single copper braid; outer covering double cotton braid with 8 coats waterproofing lacquer.
13. Voltage rating.....	
14. Color: blue, green with white tracer, etc.....	
15. Resistance: ohms per foot or per 1000 ft. (for <i>wire and cable</i>).....	
16. For <i>coaxial cable</i> : a. Surge impedance (ohms).....	72 ohms surge impedance.
b. Capacity (mmf per ft.).....	Capacity: 180 mmf per ft.
17. Type of ends: clips, tinned, plug, etc. (for <i>cords, lead-in strips, etc.</i>).....	
18. How packaged (type of package and content).....	On 160-foot reels.

Unit for Reporting Quantity

Wire and cable: Foot.....	1,600 ft.
Assemblies: Item.....	

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 258, 418.

RADIO ACCESSORIES, ATTACHMENTS AND MOUNTING COMPONENTS

Type of Products Covered

Binding posts	Plugs and jacks
Connectors	Sockets
Clamps and clips	Spacers
Dials and dial plates	Terminal strips
Fuse mounts	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Socket.
2. Specific type: male, female, tube, wafer, panel, etc.....	Receiver tube type.
3. Holder's part or drawing number.....	
4. Manufacturer.....	Made by Multi Mfg. Co.
5. Manufacturer's trade name and type number or AWS number.....	Cat. No. 21742.
6. Army or Navy number.....	
7. Physical description:	
a. Type of mounting: above panel, through-panel, base, rack, etc.....	Mounts by means of cadmium-plated metal saddle with 1½" mtg/c.
b. Over-all dimensions: length, width, height, diameter.....	1⅝" diameter.
c. Type of case and protective treatment: aluminum case, hermetically sealed, impregnated, tropicalized, etc.....	
8. Material: bakelite, ceramic, steatite, copper, etc....	Made of molded bakelite.
9. For <i>connectors</i> and <i>plugs</i> :	
a. Number of contacts.....	
b. Current and voltage capacity of contacts.....	
c. Straight or angle type (angle in degrees).....	
d. Polarized or non-polarized.....	
10. For <i>dials</i> and <i>dial plates</i> :	
a. Calibrations.....	
b. Size shaft accommodated.....	
11. For <i>sockets</i> : Type of component: octal, loctal, crystal, mazda, etc.....	Standard loctal type.
12. For <i>terminal strips</i> :	
a. Number of terminals.....	
b. Type of terminals: screw and collar, etc.....	
13. List and describe special features not covered by the above.....	
14. How packaged (type of package and content).....	Packed 12 to a corrugated carton.
 <i>Unit for Reporting Quantity</i>	
Item.....	12,000 sockets.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 418.

WIRE TELEPHONE AND TELEGRAPH EQUIPMENT

Type of Equipment Covered

Carrier equipment	Switchboards
Facsimile	Telegraph equipment (except radio)*
Instruments	Telephone equipment (except radio)
Loading coils	Teletype equipment*
Ocean cable equipment	Terminal room equipment
Repeaters	Varioplex*
Station equipment*	Etc.

*For printing telegraph machines, see page 38.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment and basic type.....	Telephone switchboard.
2. Specific type of equipment: military, marine, commercial, portable, magneto, common battery, manual, indoor, outdoor, etc.	Magneto indoor type.
3. Kind of control: subscriber operated, semi-automatic, attendant operated.	Attendant operated.
4. Intended use and location in circuit.....	For interoffice use.
5. Name of manufacturer.....	Made by Mackberg Johnson Company.
6. Manufacturer's model, catalog number, code number, drawing number and other designation.	Cat. No. 105-C Drawing No. SK-242.
7. Manufacturer's serial number and year made. (For a lot of two or more items <i>identical in every other respect</i> one serial number will identify the lot.)	Serial No. 4939B, made in 1941.
8. Contract number and purchase order number.....	Navy P. O. No. 2947-L.
9. Rated capacity:	
a. Present.....	Equipped with 100 lines.
b. Ultimate.....	Wired for ultimate capacity of 150 lines.
10. Operating voltage.....	
11. Physical description:	
a. Kind of mounting.....	Floor mounted.
b. Over-all dimensions.....	36" wide, 40" deep 48" high over-all.
c. Type of case and protective treatment.....	Standard oak section, moisture-proofed.
12. Describe number and type of electronic tubes required for operation. Itemize electronic tubes included.	
13. Is power unit included.....	Power unit included.
14. Describe power unit, if included, or describe power unit required, if not included.	Consists of 1 No. 38 generator.

(Continued on next page)

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 416, 417.

WIRE TELEPHONE AND TELEGRAPH EQUIPMENT—Continued

<i>Information Needed</i>	<i>Example</i>
15. For switchboards:	
a. Number, arrangement and type of line switches, line finders, selectors, connectors, panel frames, offices, districts, line links, district junctions, incoming links, lines, sections.	One position, one section, 100 lines.
b. Positions per section, multiple jacks per section, cord pairs per position, toll trunks, non-toll trunks.	15 cord pairs, 5 toll trunks.
c. Type of line terminating equipment (integral with switchboard or separate distributing frame).	Line terminating equipment not included.
16. For carrier equipment:	
a. Number (quantity) and code of terminals	-----
b. Number (quantity) and type of repeaters, carrier power supply, main components such as base frequency oscillators, harmonic generators, etc.	-----
17. List and describe special equipment, attachments, spare parts and accessories included.	Accessories included: 1 No. 29 receiver. 1 No. 23 plug. 1 operator's suspended phone set. 1 No. 15 transmitter arm.
18. List apparatus necessary to the operation of this equipment but not included.	Four No. 6 dry cells required but not included.
19. Identify and indicate if included:	
a. Instruction book	-----
b. Technical manual	-----
c. Specification	-----
	Technical manual TM 9943 included. Spec. U. S. Signal Corps 17-4492, not furnished.
<i>Unit for Reporting Quantity</i>	
Item	2 telephone switchboards.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 416, 417.

PRINTING TELEGRAPH MACHINES

Type of Equipment Covered

<p>Start-stop Multiplex Teletypewriter</p>	<p>Tape transmitters Perforators, reperforators and distributors, etc.</p>
--	--

For auxiliary equipment such as switchboards, repeaters, etc., see page 36.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Teletypewriter set.
2. Name of manufacturer and year made.....	Made by Jones Co., 1942.
3. Model number and catalog code. If complete code is not known give:	Model 15-tactical TG7.
a. Serial number of unit (for a lot of two or more units <i>identical in every respect</i> , one serial number will identify the lot).....	-----
4. Contract number and purchase order number.....	Army contract SGO 342719-DX17, Purchase order ASF 192046-P42.
5. Size paper used.....	Feeds paper 8½" wide.
6. Type of feed: friction or sprocket.....	Friction feed.
7. Keyboard arrangement.....	Communication character arrangement with P/Ø.
8. Number of characters per line.....	72 characters per line.
9. How operated (attended or unattended).....	Attendant operated.
10. Electrical characteristics of motor drive (volts and cycle A. C.; or voltage D. C. and type).	Motor 110 v, A. C. 50-60 cycle, series governed.
11. Motor geared to what operating speed (operation per minute=opm).	Geared to 368 opm.
12. Controls provided for power supply (rectifiers, transformers, filters, etc.) and permitted range.	General purpose rectifier for local and/or line cur- rent with built-in trans- former for 95-105-115- 125-190-210-230 250 v, 25-40-50-60 cycle in- put, including variable tap winding for adjust- ing motor terminal volt- age.
13. Kind of cover and finish.....	Black sheet metal, crinkle finish cover.
14. List catalog code or serial numbers of each major item of the set included in the operating table as- sembly.	Operating table assembly consists of: 1 typing unit 4TBP 22/210; 1 base with filters 4TBB44; 1 motor unit w/filter 4TMU27; 1 set of gears for 368 opm 4T80374; 1 keyboard w/filter 4TBK 22JX; 1 cover 4TC105; 1 plate cover, sending receiving 4T91750.
15. List and describe additional equipment or spare parts included.	-----
16. Identify and indicate if included:	-----
a. Instruction book.....	-----
b. Technical manual.....	Incl. T. M. 236A4.
c. Specification.....	-----
<i>Unit for Reporting Quantity</i>	
Item.....	12 teletypewriter sets.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 417.

ALARM AND OTHER SIGNAL SYSTEMS, AND COMPONENTS

Type of Products Covered

Fire alarm systems
 Household and commercial alarm and signal equipment
 Police, burglar and anti-intrusion systems
 Watchman supervisory systems
 Etc.

For batteries, chargers, etc. see pages 38 and 41, Section IX.

For railroad signal control equipment see page 15, Section XII.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Fire alarm system.
2. Type: code ringing or noncode ringing.....	Code ringing type.
3. Manufacturer.....	Made by OK Mfg. Co.
4. Trade name, catalog no. and other designation.....	"Helper", cat. No. 12-4.
5. Original intended use.....	For factory installation.
6. List component parts which make up the system.....	Includes 1 control panel, 48 sig. sta., 8 gongs and 2,400 ft. of cable.
7. For <i>control panels, cabinets</i> :	Control cabinet:
a. *Type number.....	Type No. 363.
b. Number of circuits.....	8 circuit connections.
c. Mounting: surface, semiflush.....	Semiflush mounting.
d. Dimensions over-all.....	Dimensions: 2 ft. x 3 ft.
8. For <i>alarm or signaling stations</i> :	Signaling stations:
a. *Type number.....	Type No. 269.
b. Mounting: flush, semiflush.....	Flush mounting.
c. Indoor or outdoor type.....	Indoor type.
d. Method of operation: push button, break glass, pull lever, enclosed pull lever, etc.	Operation: break glass, pull lever.
9. For <i>sounding services</i> :	Sounding devices:
a. Kind: gong, bell, horn, chime, siren, etc.....	10" gong.
b. *Type number.....	Type No. 31.
c. Method of operation: electric, manual, etc.....	Electric operated.
d. For electric motor (horsepower).....	
10. For <i>annunciators</i> :	
a. *Type number.....	
b. Manual or electric reset.....	
c. Number of drops and arrangement.....	
d. Mounting: desk, wall, surface, semiflush, etc.	
e. Dimensions over-all.....	
11. For <i>registers and take-up reels</i> :	
a. *Type number.....	
b. Method of recording (punch or print).....	
12. For <i>conductors</i> :	
a. Type and size (wire, cable, tube, etc.).....	
13. For <i>fire alarm cable</i> :	Fire alarm cable:
a. Manufacturer.....	Made by Sun Electric Co.
b. Maximum working voltage.....	Max. working voltage 250.
c. Date of manufacture.....	Manufactured 3/10/42.
d. Type (letter designation).....	Type FR-T.
e. Number of conductors and/or pairs in cable.....	8 pr. in cable.
f. AWG size of cable conductor.....	AWG size 20-18.
14. For <i>other components, special equipment, attach- ments, spare parts and accessories, include</i> :	
a. Name of product.....	
b. Manufacturer and catalog number.....	
c. Size and other pertinent data.....	
15. Electric characteristics (A. C., D. C., voltage, etc.).....	110 v, 60 cycles.
16. How packaged.....	Control cabinet orated, stations packed in car- tons.

*If the manufacturer is other than the manufacturer of the system (item 3 above) report the maker of the component.

Unit for Reporting Quantity

Item..... 1 fire alarm system.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 597.

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

	<i>Section S.C.C.</i>
Abrasive products: Natural and synthetic	V 27
Abrasives: Natural, crude	V 09
Agricultural machinery and implements	IX 35
Agricultural implement parts: Wooden	II 76
Air-conditioning units and systems	X 52
Aircraft and aircraft components	XII 42
Aircraft instruments: Engine and flight	XIX 57
Alarm systems	XI 59
Alkalies	IV 19
Aluminum and aluminum basic shapes	I 24
Ammunition components: Common	XX 87
Ammunition loading machinery	IX 33
Ammunition: Pyrotechnic	XX 86
Ammunition shapes: Nonferrous metal	I 24
Ammunition shapes: Steel	I 25
Ammunition: Small arms	XX 83
Animal products: Edible: Crude	XXII 02
Animal products: Inedible: Crude	III 03
Antenna equipment: Electronic	XI 41
Apparel, except footwear	III 67
Asbestos products	V 27
Asphalt products: Structural	V 26
Athletic goods, except uniforms	XXI 79
Automobile service station equipment	IX 33
Automobiles	XV 45
Bags: Burlap, jute, textile	III 69
Bags: Paper	VI 72
Bakery ovens	IX 33
Bakery products	XXII 61
Baking ovens, except bakery ovens	IX 31
Balances and weights, laboratory	XIX 58
Balloons	XIII 42
Balsams: Crude	IV 05
Barber shop equipment	IX 59
Barometers	XIX 57
Baskets: Wooden and fiber	II 76
Batteries	IX 32
Bearings	IX 31
Bearings: Jewel	XXI 75
Bearings: Wooden	II 76
Beauty shop and barber shop equipment	IX 59
Bedding, except mattresses	III 69
Beer dispensing equipment	X 52
Beverages	XXII 63
Bicycles	XV 49
Biological products: Medicinal	IV 65
Blast furnaces	IX 33
Bleaching compounds	IV 19
Blowers: Industrial	IX 31
Boilers: Cast iron and steel	X 51
Boilers: Power	I 25
Books	VI 73
Boot and shoe cut stock	III 12
Boring and drilling machinery: Earth and rock	IX 36
Boxes: Ammunition	XX 89
Boxes: Paperboard	VI 72
Boxes: Wooden	II 76
Brewery machinery	IX 33
Brooms	III 79
Brushes	III 79
Building board	VI 14
Burial equipment	XIX 79
Burners: Oil or gas	X 51
Buses	XV 45
Buttons	III 79
Cable: Insulated	III 79
Cameras	I 25
Candles	XVIII 55
Canned food products	XXI 79
Canning plant machinery	XXII 61
Cans: fiber	IX 33
Cans: metal	VI 72
Canvas products	XXI 75
Capacitors (condensers): electronic, ceramic, electrolytic, mica, paper, etc.	III 69
Cars: rail, including mine	XI 41
Cash registers	XII 44
Cement	IX 39
Ceramic industries machinery	V 26
Cereal manufacturing machinery	IX 33
Cereals: Prepared	IX 33
Charcoal	XXII 61
Chemical preparations: Household	IV 19
Chemicals	IV 06
Chemicals: Medicinal	IV 19
Chinaaware	IV 05
Cigar machines	V 77
Cigarette machines	IX 33
Cigarettes	IX 33
Cigars	XXII 64
Clay products: Structural	XXII 64
Clocks	V 26
	XIX 76

	<i>Section S.C.C.</i>
Clothing, except footwear	III 67
Coal	VIII 07
Coal products	VIII 18
Coin-operated machines	IX 39
Coke	VIII 18
Combustion controls	XIX 57
Communication equipment	XI 41
Compressors	IX 31
Concrete products: Structural	V 26
Confectionery	XXII 61
Construction machinery	IX 36
Containers: Glass	V 77
Containers: Metal	XXI 75
Containers: Paper and paperboard	VI 72
Control devices: Electronic, except radio and radar	IX 32
Controlling instruments	XIX 57
Conveyors	IX 31
Cooking and heating equipment: Non-electric	X 51
Cooperage	II 76
Copper and copper basic shapes	I 24
Cordage	III 15
Cork basic materials	II 29
Cork: Crude	II 05
Cork products	II 79
Cosmetics	IV 66
Cotton: Raw	III 06
Cranes	IX 31
Crates: Wooden	II 76
Cream separators: Farm dairy type	IX 35
Crucible furnaces: Industrial	IX 33
Crushing machinery	IX 31
Cupola furnaces	IX 33
Cutlery	XXI 75
Dairy and milk products plant machinery	IX 33
Dairy farm machinery	IX 35
Dairy products	XXII 61
Dehydrators: Industrial	IX 31
Dental instruments	XIX 58
Dental supplies	XIX 59
Dentifrices	IV 66
Derricks	IX 31
Display cases: Refrigerated	X 52
Drawing instruments	XIX 58
Drawing machines: Wire	IX 34
Dredging machinery	IX 36
Driers: Thermal industrial	IX 31
Drugs	IV 65
Dry cleaning machinery	IX 39
Dyes and dyestuffs	IV 19
Earthenware: Fine	V 77
Elastomers: Synthetic	VII 19
Electric appliances	IX 32
Electric lamps	X 32
Electric ranges and ovens	IX 32
Electric water heaters	IX 32
Electrical laboratory instruments	XIX 57
Electrical machinery and apparatus	IX 32
Electronic control devices, except radio and radar	IX 32
Electronic devices	XI 41
Electronic equipment components	XI 41
Electroplating equipment	IX 34
Elevators	IX 31
Embroideries	III 69
Engineering instruments and apparatus	XIX 58
Engines	IX 31
Engines: Aircraft	XIII 42
Engines: Motor vehicle	XV 45
Envelopes	VI 72
Equipment and machinery: General industrial	IX 31
Excavating machinery	IX 36
Explosives	IV 19
Fabrics: Waterproof	III 15
Fan and blower equipment: Industrial	IX 31
Fans: Electric	IX 32
Fats: Animal and vegetable	IV 17
Feathers and downs: Crude	III 03
Feathers and downs: Processed	III 29
Feed: Manufactured	XXII 62
Ferro and nonferrous additive alloys	XII 23
Fertilizers	IV 19
Fibers: Animal and vegetable, unmanufactured	III 06
Fibers: Synthetic	III 19
Files: Hand	XXI 75
Film: Photographic	XVIII 55
Filters: Industrial	IX 31
Fire control equipment (ordnance)	XX 88
Fire extinguishers and miscellaneous fire fighting equipment	IX 59

Section S.C.C.

Fire fighting equipment—motorized	XV	45
Fireworks	XXI	79
Fish: Prepared	XXII	61
Fishing craft	XIV	43
Flares (ordnance)	XX	86
Flavor materials	IV	19
Flight equipment for personnel	XIII	42
Floor coverings: Textile	III	69
Floor surfacing machines	IX	33
Flour	XXII	16
Food and beverage materials: Basic	XXII	16
Food: Manufactured	XXII	61
Food products machinery	IX	33
Footwear	III	68
Forging machinery	IX	34
Foundry equipment	IX	33
Fruit juices	XXII	61
Fruits: Canned, dried, frozen	XXII	61
Fungicides	IV	19
Fur goods	III	67
Furnaces: Heat treating	IX	34
Furnaces: Metal heating	IX	34
Furnaces: Metallurgical and metal melting	IX	33
Furniture, except office	XVII	54
Furniture: Office	XVI	54
Furs: Dressed and dyed	III	29
Games	XXI	79
Garments: Waterproof	III	67
Gases: Elemental	IV	19
Gases: Petroleum, hydrocarbon	VIII	18
Gasoline	VIII	18
Gem and ornamental stones: Imitation	V	29
Gem and ornamental stones	V	27
Gem stones: Crude	V	69
Generators: Electric current	IX	32
Glass end products	V	77
Glass industries machinery	IX	33
Glass products: Nonstructural	V	27
Glass products: Structural	V	26
Gliders: Aircraft	XIII	42
Gloves and mittens	III	67
Glue	IV	19
Grains and cereals: Crude	XXII	64
Graphite products	V	27
Greases: Lubricating	VIII	18
Grinding machinery and equipment	IX	34
Gums: Crude	V	65
Gypsum products: Structural	V	26
Hair manufactures	XXI	79
Hand tools: Nonpowered	XXI	75
Hardware: Basic	I	25
Hardware: General line	XXI	75
Hat and cap materials	III	15
Headwear	III	67
Heat exchangers: Industrial	IX	31
Heat exchangers: Refrigeration and air-conditioning	X	52
Heating equipment: Electric	IX	32
Heating equipment: Nonelectric	X	51
Hides	III	63
Hoists	IX	31
Hosiery	III	67
Hospital utensils	XIX	75
House furnishings	III	69
Ice making plant systems	X	52
Identification badges, except textile and paper	XXI	79
Incinerators: Industrial and domestic	X	51
Insecticides	IV	19
Instruments: Indicating, recording, controlling	XIX	57
Instruments and apparatus: Scientific and professional, except indicating, recording, controlling	XIX	58
Insulation: Thermal	V	26
Iron	I	21
Jewelry	XXI	79
Kerosene	VIII	18
Kilns: Ceramic	IX	33
Kitchen articles: Glass	V	77
Knitting machines	IX	33
Laboratory instruments: Electrical	XIX	57
Laboratory instruments and apparatus, except electrical	XIX	58
Lace articles	III	69
Lacquers	IV	19
Laundry machinery	IX	39
Lead and lead basic shapes and forms	I	24
Leather	III	11
Leather products	III	71
Leather-working machinery	IX	33
Lenses: Camera and projection	XVIII	55
Lenses: Light and signal	V	27
Lenses: Ophthalmic	XVIII	79

Section S.C.C.

Lenses: Optical, except ophthalmic, photographic, and projection	XVIII	56
Light bulbs and tubes	X	32
Lighting fixtures	X	53
Liquors	IV	65
Locomotives	XII	44
Logs and bolts	II	13
Looms	IX	33
Lubricating equipment	IX	31
Luggage	III	79
Lumber	II	13
Machine tools	IX	34
Machinery: General industrial	IX	31
Machines: Office	XVI	38
Magnesium and magnesium basic shapes	I	24
Marine facility equipment	XIV	43
Marine propulsion machinery	XIV	43
Matches	XVI	79
Mattresses	XVII	54
Meat products	XXII	61
Medical instruments	XIX	58
Medical supplies	XIX	79
Medicines	IV	65
Metal-forming machines	IX	34
Metal products: Stamped and pressed	I	26
Metal-spraying equipment	IX	34
Metals: Nonferrous: Basic shapes	I	24
Metals: Precious	I	24
Meters	XIX	57
Mica	V	27
Military insignia, except textile	XXI	79
Milking machines	IX	35
Millwork	II	13
Mineral products: Nonmetallic: Ground or sized	V	27
Mineral wool	V	26
Minerals: Nonmetallic: Crude	V	69
Mining machinery	IX	36
Mixing machinery: Industrial	IX	31
Monel metal and monel metal basic shapes and forms	I	24
Morticians' goods	XVII	79
Motion picture projection equipment	XVIII	55
Motion pictures: Exposed and developed	XVIII	55
Motor starters and controllers	IX	32
Motor vehicles testing and servicing equipment	IX	33
Motor vehicles	XV	45
Motorcycles	XV	45
Motors: Electric	IX	32
Musical instruments	XXI	79
Nails: Wire	I	25
Navigation instruments: Nautical	XIX	57
Netting	III	15
Nickel and nickel basic shapes	I	24
Notions: Metal	III	75
Office furniture	XVI	54
Office machines	XVI	38
Office supplies	XVI	79
Oils: Animal, vegetable, marine animal	IV	17
Oils: Fuel and lubricating	VIII	18
Oilseeds	XXII	65
Ophthalmic goods	XVIII	79
Optical instruments	XVIII	56
Ore-dressing machinery	IX	36
Orthopedic appliances	XIX	79
Ovens	IX	33
Ovens: Baking, except bakery	IX	31
Packaging machines	IX	39
Packing-house machinery	IX	33
Paints	IV	19
Paper	VI	14
Paper mill machinery	IX	33
Paper products: Converted	VI	72
Parachutes	XIII	42
Perfume materials	IV	19
Perfumes	IV	66
Petroleum: Crude	VIII	67
Petroleum products	VIII	18
Pharmaceuticals	IV	65
Phonographs	XXI	79
Photographic goods and equipment	XVIII	55
Pigments	IV	19
Plastic end products	XXI	79
Plastic fabricated components	XXI	29
Plastics materials	XXI	19
Plated ware: Metal	XXI	75
Playground equipment	XXI	59
Plumbing equipment	X	51
Plywood	II	13
Pottery end products	V	77
Pottery products—nonstructural	V	27
Pottery products—structural	V	26
Poultry farm equipment	IX	55

Section S.C.C.

Powder; Cosmetic.....	IV	66
Power transmission equipment: Mechanical, industrial.....	IX	31
Power transmission equipment: Primary electric.....	IX	32
Presses: Molding.....	IX	31
Presses: Hydraulic and mechanical.....	IX	34
Printing-trades machinery.....	IX	33
Projectors: Motion-picture.....	XVIII	55
Propellers: Aircraft.....	XIII	42
Propellers: Ship.....	XIV	43
Public address equipment: Sound.....	XI	41
Pulp mill machinery.....	IX	33
Pulp products: Molded.....	VI	72
Pulpwood.....	VI	14
Pumps: General purpose industrial.....	IX	31
Punching machines: Metal.....	IX	34
Radar equipment.....	XI	41
Radio and radar test equipment.....	XIX	57
Radio equipment.....	XI	41
Railroad construction equipment.....	XII	36
Railroad transportation equipment.....	XII	44
Railway cars.....	XII	44
Ranges: Electric.....	IX	32
Ranges: Nonelectric.....	X	51
Razors: Electric.....	IX	32
Razors: Except electric.....	XXI	75
Recording apparatus: Sound communication equipment.....	XI	41
Recording instruments.....	XIX	57
Recreation equipment.....	XXI	59
Rectifiers: Nonrotating.....	IX	32
Refractories.....	V	27
Refrigerants.....	IV	19
Refrigeration components and accessories.....	X	52
Refrigeration equipment.....	X	52
Regulators: Aircraft: Hydraulic pressure, oil temperature.....	XIII	42
Regulators: Generator (internal combustion engine).....	IX	32
Regulators: Temperature, pressure.....	XIX	57
Resins: Crude.....	IV	05
Resins: Synthetic.....	IV	19
Rifles.....	XX	81
Riveting machines.....	IX	34
Rolling mill machinery.....	IX	34
Rosin.....	IV	19
Rubber chemicals.....	IV	19
Rubber: Crude.....	VII	05
Rubber fabricated materials.....	VII	29
Rubber footwear.....	III	68
Rubber goods: Mechanical.....	VII	74
Rubber end products, except footwear and clothing.....	VII	74
Rubber: Reclaimed.....	VII	29
Rubber: Synthetic.....	VII	19
Rubber-working machinery.....	IX	33
Saddlery.....	III	71
Safes.....	XVI	54
Safety clothing and footwear.....	III	59
Safety equipment: Personal.....	IX	59
Safety equipment: Water.....	XXI	59
Sanitary ware: Plumbing fixtures.....	X	51
Sawblades: Power.....	IX	34
Saws and sawblades: Hand.....	XXI	75
Scales: Weighing, except laboratory.....	IX	39
Screw machine (automatic) products.....	I	25
Seeds: Field, vegetable, flower, etc.....	XXII	05
Sewage disposal equipment.....	IX	59
Sewing machines: Household.....	IX	39
Sewing machines: Industrial.....	IX	33
Shaving preparations.....	IV	66
Shearing machines: Metal.....	IX	34
Ships and ship equipment.....	XIV	43
Shoe manufacturing machinery.....	IX	33
Signal equipment.....	XI	59
Silk: Raw.....	III	06
Silverware.....	XXI	75
Skins, including undressed fur skins.....	III	03
Small arms.....	XX	81
Smokers' articles and accessories.....	XXI	79
Soap.....	IV	68
Sound equipment: Electronic, communication.....	XI	41
Spices and spice seeds: Unground.....	XXII	04
Spices: Ground.....	XXII	61
Sporting goods.....	XXI	79
Stationers' supplies.....	XVI	79
Stationery.....	VI	72
Steel and steel basic shapes and forms.....	I	22
Steel: Fabricated structural.....	I	25
Stokers.....	X	51
Stone basic products: Structural.....	V	26
Stone products: Natural.....	V	77

Section S.C.C.

Stone-quarrying machines.....	IX	36
Store fixtures.....	XVII	54
Stoves: Nonelectric.....	X	51
Stoves and ranges: Electric.....	IX	32
Sugar: Raw.....	XXII	16
Sugar: Refined.....	XXII	61
Surgical instruments.....	XIX	58
Surgical supplies.....	XIX	79
Surveying instruments.....	XIX	58
Tableware: Glass.....	V	77
Tanks: Storage.....	I	25
Tanks: Water storage, domestic.....	X	51
Tanning extracts and materials.....	IV	19
Telegraph equipment.....	XI	41
Telephone equipment.....	XI	41
Temperature instruments and regulators.....	XIX	57
Testing machines: Metal.....	IX	34
Textile basic manufactures.....	III	15
Textile industry machinery.....	IX	33
Textile products: Fabricated, except apparel.....	III	69
Thermocouples.....	XIX	57
Thermometers.....	XIX	57
Tin and tin basic shapes and forms.....	I	24
Tire-repairing machinery.....	IX	33
Tires: Rubber.....	VII	74
Tobacco manufactures.....	XXII	64
Toiletries.....	IV	66
Toolroom specialties.....	IX	34
Tools: Cutting and forming.....	IX	34
Tools: Edge.....	XXI	75
Tools: Hand.....	XXI	75
Tools: Portable, power-driven.....	IX	34
Toys.....	XXI	79
Tractors.....	XV	37
Tractors: Industrial.....	IX	31
Trailers and trailer bodies.....	XV	45
Transformers, except electronic.....	IX	32
Transformers: Radio and radar & non-power electronic application.....	XI	41
Transportation equipment: Railroad.....	XII	44
Truck-tractors.....	XV	45
Trucks and truck bodies.....	XV	45
Trucks: Industrial.....	IX	31
Tubes: Electronic (receiving, transmitting, cathode ray, X-ray).....	XI	41
Tubes: Inner.....	VII	74
Turbines, except marine main steam.....	IX	31
Turbines: Marine main steam.....	XIV	43
Turpentine.....	IV	19
Twine.....	III	13
Typewriters.....	XVI	34
Umbrellas.....	III	79
Underwear.....	III	67
Utensils: Hospital.....	XIX	75
Utensils: Kitchen.....	XXI	75
Vacuum cleaners.....	IX	32
Valves: Aircraft.....	IX	42
Valves: Balanced lever.....	IX	57
Valves: Boiler safety.....	IX	51
Valves: Control, except voltage.....	IX	57
Valves: (Except aircraft, control, and plumbing) gate, globe, plug, etc.....	IX	31
Valves: Flush.....	IX	51
Valves: Radiator.....	IX	51
Valves: Reducing.....	IX	57
Valves: Sprinkler system.....	IX	59
Varnishes.....	IV	19
Veneer.....	II	13
Vessels: Naval.....	XIV	43
Watches.....	XIX	75
Water craft: Small.....	XIV	43
Water heaters: Electric.....	IX	32
Water heaters: Nonelectric.....	X	51
Water purification equipment.....	IX	59
Waxes: Animal and vegetable.....	IV	17
Waxes: Petroleum.....	VIII	18
Welding machinery and equipment, except welding rod.....	IX	34
Welding rod and wire.....	I	34
Wines.....	XXII	63
Wire and cable: Insulated.....	I	25
Wire basic products: Woven or welded.....	I	25
Wire forming machines.....	IX	34
Wiring devices: Electric.....	IX	32
Wood basic materials.....	II	13
Wood products: Finished, except furniture and millwork.....	II	76
Wood pulp.....	VI	14
Woodworking machinery.....	IX	33
Wool: Unmanufactured.....	III	06
X-ray apparatus.....	XIX	58
Zinc and zinc basic shapes and forms.....	I	24