

HANDBOOK OF STANDARDS

For Describing

SURPLUS PROPERTY

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**

1944

**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.

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

I. HOW TO USE THE HANDBOOK

1. In the back of each volume of the handbook is a general alphabetical index to the handbook sections. In this alphabetical index look for the item you are going to report, for example, an "electric street car." As the terms and names used in this over-all index are general rather than specific in nature, specific items such as "electric street cars" are not likely to be found as such. Therefore, it will be necessary to refer to the major group name in which "electric street cars" would be included; in this case "Cars: rail, including mine" which the index shows as covered by Section XII of the handbook.

2. Look in the alphabetical index of Section XII to find the table covering "electric rail cars," or "street cars: electric" which will be found listed as such on page 6. (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. 9 (A), 9 (B), etc.) In the column headed "Information Needed" on page 6 of Section XII will be found the descriptive data necessary to properly inventory "electric street cars."

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

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

5. Thus, the description of "electric street cars" as written out in the inventory report in accordance with the standards established on page 6, would appear as follows:

"Street car, electric, passenger car, made by Blackwell & Co., made in 1937, model 45, 59 seating capacity, 32,000 lb. gross car weight, 46 ft. over-all length, 10 ft. over-all width, 28 ft. truck center distance, 2 doors, center and front, right side, steel body, overhead power distribution, pole current connection, 1 pole, single end control, 2 motors, made by Beach and Co., 75 hp. each, 2 trucks, model No. S-1925 resilient type wheels 18" wheel diameter, 6 wheels per truck, antifriction wheel bearings, 4' 8½" gauge, air brakes, 1 coupler, semiautomatic, photo attached----- 1 street car."

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 "Packages" or similar expression, the piece count or other quantity contained in each package must be clearly indicated. For example, it would be acceptable to report "5,000 packages of 100 each," or "2,000 packages of 1 gross each," or "6,000 boxes of 12 one-pound cans each."

III. SPECIAL INSTRUCTIONS FOR REPORTING

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

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

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

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

5. *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, if you have an air-conditioning system to report, you should first give the general characteristics of the system: who made it, what is its capacity, etc. Then you should 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.

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RAILROAD TRANSPORTATION EQUIPMENT

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STEAM LOCOMOTIVES

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Locomotive.
2. Motive power.....	Steam.
3. Type of service (line, switching, industrial).....	For line service.
4. Wheel arrangement.....	2-8-4 wheel arrangement.
5. Name of manufacturer.....	Made by Johnson & Co.
6. Year and model number or name.....	Made in 1938, model 47.
7. Dimensions:	
a. Height.....	16'4" height.
b. Over-all width.....	11'1" over-all width.
8. Wheelbase:	
a. Driving.....	18'3" driving wheelbase
b. Total engine.....	44'0" engine wheelbase.
c. Total engine, with tender.....	74'5" total, with tender.
9. Weight:	
a. On front truck.....	47,400 lb. on front truck.
b. On drivers.....	284,670 lb. on drivers.
c. On trailing truck.....	129,400 lb. on trailing truck.
d. Total engine.....	461,470 lb. total engine weight.
e. Tender.....	100,000 lb. tender weight.
10. Drivers, diameter (over tires).....	70" diameter of drivers.
11. Gauge of track.....	4'8½" gauge.
12. Cylinders, diameter and stroke.....	Cylinders—28½" dia. x 32" stroke.
13. Tractive force, engine.....	71,000 lb. engine tractive force.
14. Tractive force, booster (if applied).....	11,750 lb. booster tractive force.
15. Fuel and how fired.....	Soft coal; stoker fired.
16. Grate area.....	100.3 sq. ft. grate area.
17. Steam pressure.....	250 lb. steam pressure.
18. Boiler set:	
a. Type.....	Straight top boiler.
b. Diameter of first ring outside.....	70" diameter first ring outside.
c. Tubes, number and diameter.....	50—2¼" tubes.
d. Flues, number and diameter.....	242—3½" flues.
e. Length over tube sheets, feet and inches.....	21'0" length over tube sheets.
f. Firebox, inside length and width.....	150¼" x 96¼" firebox.
19. Evaporative heating surface—firebox plus tubes.....	437 + 5,254 = 5,691 sq. ft. evaporative heating surface.
20. Superheating surface area.....	2,480 sq. ft. superheating surface.
21. Tender capacity (gallons and tons).....	Tender capacity 20,000 gal. of water and 28 tons of coal.
22. Grade designed for (feet or percent).....	Designed for 2% max. grade.
23. Minimum radius curvature.....	Designed for 16° min. radius.
24. If equipped with feed water heater, indicate kind of valve gear, etc.....	Equipped with purbling feed water heater, type ZA, with type GK-2 pump.
25. Photograph.....	Photo attached.
<i>Unit for Reporting Quantity</i>	
Locomotive.....	4 locomotives.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 441.

**STRAIGHT-ELECTRIC LOCOMOTIVES,
LINE AND SWITCHING SERVICE TYPES**

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Locomotive.
2. Motive power.....	Straight-electric.
3. Type of service (line, switching).....	For line service.
4. Number of trucks.....	4 trucks.
5. Wheel arrangement.....	Wheel arrangement 4-6-6-4.
6. Name of manufacturer.....	Made by Smith, Inc.
7. Year and model number or name.....	Made in 1936, model No. T893.
8. Over-all dimensions:	
a. Height.....	15' 0'' over-all height.
b. Width.....	10' 0'' over-all width.
c. Length.....	79' 6'' over-all length.
9. Wheel base:	
a. Drive truck (rigid).....	13' 8'' wheel base, drive truck (rigid).
b. Total locomotive.....	69 ft. total locomotive wheel base.
10. Weight:	
a. On drivers.....	303,000 lb. weight on drivers.
b. Total locomotive.....	477,000 lb. total loco- motive weight.
11. Drivers, diameter.....	57'' diameter of drivers.
12. Engine truck wheel diameter.....	36'' engine truck wheel diameter.
13. Gauge of track.....	4' 8½'' gauge.
14. Voltage.....	11,000 volts.
15. Type of current (A. C. or D. C.).....	A. C.
16. Number of motors.....	12 motors.
17. Type of control.....	Electro-pneumatic con- trol.
18. Rating continuous horsepower at rail.....	4,620 rating continuous hp. at rail.
19. Maximum tractive force.....	72,800 lb. maximum tractive force.
20. Maximum speed at full load.....	100 m. p. h. maximum speed.
21. Minimum radius curvature.....	Designed for 16° min. radius.
22. Grade designed for (feet or percent).....	Designed for 2% max. grade.
23. Photograph.....	Photo attached.
<i>Unit for Reporting Quantity</i>	
Locomotive.....	2 locomotives.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 441.

**DIESEL-ELECTRIC, DIESEL-MECHANICAL, GASOLINE-ELECTRIC,
GASOLINE-MECHANICAL LOCOMOTIVES
(ALL SERVICE TYPES)**

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Locomotive.
2. Type of motive power.....	Diesel-electric.
3. Type of service (line, switching, industrial).....	For combination line and switching service.
4. Name of manufacturer.....	Made by Wooten & Co.
5. Year and model number or name.....	Made in 1939, model 48.
6. Number of trucks.....	2 trucks.
7. Number of wheels per truck.....	4 wheels per truck.
8. Overall locomotive dimensions:	
a. Height.....	14'6" overall height.
b. Width.....	10'0" overall width.
c. Length.....	54'11 $\frac{1}{4}$ " overall length.
9. Wheel base:	
a. Each truck (rigid).....	9'4" wheel base each truck (rigid).
b. Total locomotive.....	40'4" total locomotive wheel base.
10. Weight:	
a. On drivers.....	230,000 lb. weight on drivers.
b. Total locomotive.....	230,000 lb. total locomotive weight.
11. Drivers:	
a. Number.....	8 drivers.
b. Diameter.....	40" diameter of drivers.
12. Engines:	
a. Number and horsepower.....	1 1,000 hp. engine.
b. Manufacturer.....	Made by Leslie & Co.
13. Electric driving motors:	
a. Number.....	4 electric driving motors.
b. Maximum speed restriction.....	70 m. p. h. maximum speed restriction.
14. Gauge of track.....	4'8 $\frac{1}{2}$ " gauge.
15. Tank capacity:	
a. Fuel-oil tank.....	800 gal. fuel-oil tank capacity.
b. Boiler-water tank.....	800 gal. boiler-water tank capacity.
16. Starting tractive force (percent of adhesion).....	69,000 lb. starting tractive force (at 30% adhesion).
17. Minimum radius curvature.....	Designed for 100 ft. min. radius.
18. Photograph.....	Photo attached.

Unit for Reporting Quantity

• Locomotive..... 1 locomotive.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 441.

SELF-PROPELLED RAIL MOTOR CARS, ELECTRIC

Type of Products Covered

Street Cars Rapid Transit Cars Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Street car.
2. Type of motive power.....	Electric.
3. Type of car.....	Passenger car.
4. Name of manufacturer.....	Made by Blackwell & Co.
5. Year and model number or name.....	Made in 1937, model 45.
6. Capacity (seating; or load carrying in pounds)....	59 seating capacity.
7. Gross weight of car.....	32,000 lb. gross car weight.
8. Body specifications:	
a. Over-all length.....	46 ft. over-all length.
b. Over-all width.....	10 ft. over-all width.
c. Truck center distance.....	28 ft. truck center distance.
d. Number of doors and position.....	2 doors, center and front, right side.
e. Body material.....	Steel body.
9. Power input characteristics:	
a. Type of power distribution (third rail or overhead).....	Overhead power distribution.
b. Type of current connection (pantograph or pole).....	Pole current connection.
c. Number of current connections.....	1 pole.
10. Type of control (single or double end).....	Single end control.
11. Motors:	
a. Number.....	2 motors.
b. Manufacturer.....	Made by Beach and Co.
c. Horsepower per motor.....	75 hp. each.
12. Trucks:	
a. Number.....	2 trucks.
b. Model number.....	Model No. 8-1925.
13. Wheels:	
a. Type.....	Resilient type wheels.
b. Diameter.....	18" wheel diameter.
c. Number per truck.....	6 wheels per truck.
d. Type of wheel bearings (friction or antifriction).....	Antifriction wheel bearings.
14. Gauge of track.....	4'8½" gauge.
15. Type of brakes (air, magnetic, regenerative).....	Air brakes.
16. Couplers:	
a. Number.....	1 coupler.
b. Type.....	Semiautomatic.
17. Photograph.....	Photo attached.

Unit for Reporting Quantity

Car..... 1 street car.

SELF-PROPELLED RAIL MOTOR CARS, NONELECTRIC

<i>Type of Cars Covered</i>	
Diesel-Electric Diesel-Mechanical Gasoline-Electric	Gasoline-Mechanical Railroad and Street Cars
<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of car.....	Self-propelled rail car.
2. Type of motive power.....	Diesel-electric.
3. Name of manufacturer.....	Made by Jones Mfg. Co.
4. Model number, name or other manufacturer's designation.	Model 4B-672.
5. Year made.....	Made in 1937.
6. Type of car.....	Baggage car.
7. Number of trucks.....	2 trucks.
8. Number of wheels per truck.....	4 and 6 wheels per truck.
9. Diameter of truck wheels.....	36" diameter truck wheels.
10. Gross weight.....	221,000 lb. gross car weight.
11. Body material.....	Steel body.
12. Length over-all.....	78'0" over-all length.
13. Width over-all.....	10' 6" over-all width.
14. Height over-all.....	14' 6½" maximum height.
15. Truck center distance.....	56' 4" truck center distance.
16. Number and make of engines.....	2 Blake Co. engines.
17. Horsepower per engine.....	400 hp. each.
18. Gauge of track.....	4' 8½" gauge.
19. Capacity (seating; or load carrying).....	15,000 lb. load capacity.
20. Nonarticulated; or articulated a. If articulated, specify number of units.....	Nonarticulated.
21. Photograph.....	Photo attached.

Unit for Reporting Quantity

Car..... 2 cars.

RAILROAD WORK AND SERVICE CARS

*Type of Equipment Covered*Track Inspection and
Maintenance Cars
LevellersSnow Plows
Motor and Hand Cars
Ballast Cars, Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product and type.....	Railroad service car.
2. Service intended for.....	For track inspection.
3. Name of manufacturer.....	Made by Walters Mfg. Co.
4. Model number, name or other manufacturer's designation.	Model 2H-172.
5. Year made.....	Made in 1937.
6. Power-driven or hand-operated.....	Power-driven.
7. If power-driven:	
a. Motive power.....	Gasoline-mechanical.
b. Number of motors.....	1 motor.
c. Horsepower of each motor.....	100 hp.
8. Length over-all.....	21 ft. long.
9. Width over-all.....	9' 4" wide.
10. Height over-all.....	8 ft. high.
11. Gross weight of car.....	30 tons gross car weight.
12. Gauge of track.....	4' 8½" gauge.
13. Number of wheels.....	4 wheels.
14. Diameter of wheels.....	24" diameter of wheels.
15. Capacity (seating, or load carrying).....	Seating capacity, 8.
16. Photograph.....	Photo attached.

Unit for Reporting Quantity

Car..... 2 cars.

**ELECTRIC LOCOMOTIVES;
MINING AND INDUSTRIAL SERVICE TYPES**

Type of Locomotives Covered (A)

Storage-Battery Trolley Cable-Reel Trammer, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Locomotive.
2. Type (trolley, storage battery, etc.).....	Trolley.
3. Service design (mining, industrial).....	Mining.
4. Name of manufacturer.....	Made by Alsat Co.
5. Year and model number or name.....	Made in 1938, model X-4.
6. Weight.....	20 tons total weight
7. Dimensions (with trolley pole down):	
a. Height over-all.....	54½" high.
b. Width over-all.....	68" wide
c. Length over-all.....	21'11" long.
8. Gauge of track.....	42" gauge.
9. Permissibility (open type or Govt. approved).....	Open type.
10. Rated voltage.....	250 rated voltage.
11. Motors:	
a. Number of motors.....	1 motor.
b. Horsepower of each motor.....	90 horsepower.
12. Type of reel (if any).....	.....
13. Rated drawbar pull.....	10,000 lbs. rated drawbar pull.
14. Speed at rated drawbar pull.....	8 m. p. h. at rated drawbar pull.
15. Position of frame (outside or inside wheels).....	Frame outside wheels.
16. Type of control.....	Semimagnetic type control.
17. Position of control (single end or dual).....	Single end control position.
18. Minimum radius curvature.....	Designed for 22 ft. min. radius.
19. Photograph.....	Photo attached.

Unit for Reporting Quantity

Locomotive..... 4 locomotives.

LOCOMOTIVE PARTS

Type of Products Covered (B)

Superheaters Flange Ollers Boilers Injectors
Journal Bearings Brake Shoes Feedwater Heaters Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Injector.
2. Type.....	Nonlifting type.
3. Kind of locomotive for which made (give general type or name specific locomotive).....	.....
4. Part number or designation.....	Part No. 7.
5. Name of manufacturer.....	Made by Johns & Co.
6. Catalog number or name.....	Type R.
7. Size or dimensions.....	Size 14.
8. Capacity.....	7,500-10,000 gal. capacity per hr.
9. Material.....	Made of brass and cast steel.

Unit for Reporting Quantity

Item..... 3 injectors.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 441, 445.

MINING AND INDUSTRIAL RAIL CARS

<i>Type of Cars Covered</i>	
Dump Cars Hopper-Bottom Cars Platform Cars	Logging Cars Rack Cars Mine Cars, etc.
<hr/>	
<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Rail car.
2. Service design (mining, industrial).....	Mining service design.
3. Dumping or unloading type.....	Rotary dump type.
4. Name of manufacturer.....	Made by Groton Mfg. Co.
5. Catalog number, model number and other manufacturer's designation.....	Catalog No. 43c, Model A3.
6. Year made.....	Made 1942.
7. Number of months used.....	In use 14 months.
8. Type of construction.....	All steel construction.
9. Weight, empty.....	4,250 lb. weight, empty.
10. Height of car above rail.....	36" height above rail.
11. Height of top of bumper above rail.....	11" height of top of bumper above rail.
12. Width.....	5' 8" wide.
13. Length.....	16' 4" long.
14. Wheel base.....	12' 0" wheel base.
15. Diameter of wheels.....	14" diameter of wheels.
16. Gauge of track.....	36" gauge.
17. Capacity (cubic feet—level full).....	120 cu. ft. capacity.
18. Number of wheels.....	4 wheels.
19. Kind of wheel bearings (friction or antifriction).....	Antifriction wheel bearings.
20. Type of coupler.....	Swivel link coupler.
21. Type of axles.....	Through type axles.
22. Photograph.....	Photograph attached.
 <i>Unit for Reporting Quantity</i>	
Car.....	1 rail car.

**TRACKLESS SHUTTLE CARS
MINING AND INDUSTRIAL TYPES**

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Trackless shuttle car.
2. Motive power, including voltage.....	Storage battery, 90 volts.
3. Service design (mining, industrial).....	Designed for mining service.
4. Name of manufacturer.....	Made by Hope & Co.
5. Model number, name and other manufacturer's designation.	Model 4DF.
6. Year made.....	Made in 1938.
7. Height.....	4' 0" high.
8. Width.....	6' 7¼" wide.
9. Length.....	20' 10" long.
10. Weight, empty, including battery.....	13,200 lb. weight empty, including battery.
11. Capacity.....	6-ton capacity.
12. Number of wheels.....	4 wheels.
13. Permissibility (open type or Government approved)	Open type.
14. Travel speed, empty.....	5 miles per hr., empty.
15. Travel speed, full.....	3½ miles per hr., loaded full.
16. Photograph.....	Photograph attached.
 <i>Unit for Reporting Quantity</i> 	
Car.....	2 shuttle cars.

TROLLEY BUSES

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Trolley bus.
2. Name of manufacturer.....	Made by Wardman & Co.
3. Model number, name and other manufacturer's designation. .	Model No. 68.
4. Year made.....	Made in 1932.
5. Passenger capacity.....	47-passenger capacity.
6. Gross bus weight.....	63,000 lb. gross weight.
7. Body specifications:	
a. Over-all length.....	37 ft. over-all length.
b. Over-all width.....	7' 5" over-all width.
c. Over-all height (with trolley poles down).....	10' 6" over-all height.
d. Number of doors and position.....	1 front and 1 center door.
8. Size of tires.....	10.00-20 size of tires.
9. Condition of tires (excellent, good, fair, poor).....	Good tires.
10. Horsepower, voltage, and current.....	150 hp., 600 volts, D. C.
11. Type of propulsion motor (single or dual).....	Single type propulsion motor.
12. Type of electric control (manufacturer).....	Eates Co. electric control.
13. Photograph.....	Photograph attached.

Unit for Reporting Quantity

Bus..... 3 trolley buses.

STEAM STORAGE AND COMPRESSED AIR LOCOMOTIVES

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Locomotive.
2. Motive power.....	Steam storage.
3. Type of service (mining, industrial).....	Used for industrial type of service.
4. Wheel arrangement.....	0-6-0 wheel arrangement.
5. Name of manufacturer.....	Made by Clarkson Mfg. Co.
6. Model number, name and other manufacturer's designation.....	Model No. A-9.
7. Year made.....	Made in 1937.
8. Dimensions:	
a. Height.....	12'0" high.
b. Over-all width.....	6'2" over-all width.
c. Length over bumpers.....	26'0" length over bumpers.
9. Wheel base.....	11'0" wheel base.
10. Engine weight.....	171,790 lb. engine weight.
11. Drivers, diameter.....	44" diameter of drivers.
12. Gauge of track.....	4' 8½" gauge.
13. Cylinders, diameter and stroke.....	Cylinders—30" diameter x 24" stroke.
14. Tractive force.....	30,000 lb. tractive force.
15. Steam or air storage pressure.....	200 lb. storage pressure.
16. Steam or air working pressure.....	85 lb. working pressure.
17. Minimum radius curvature.....	Designed for 100 ft. min. radius.
18. Photograph.....	Photograph attached.

Unit for Reporting Quantity

Locomotive..... 1 locomotive.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 443.

RAILROAD AND TRANSIT MAINTENANCE OF WAY EQUIPMENT

Type of Equipment Covered

Adzing Machines
Ballasters
Rail Benders
Locomotive Derricks

Track Liners
Rail Lubricators
Rail Grinders
Tie Boring Machines
Switch Heaters, Etc.

For Railroad Work and Service Cars, see Page 8.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Rail grinder.
2. Type.....	Flexible arm type.
3. Name of manufacturer.....	Made by Clark Mfg. Co.
4. Model number, name or other manufacturer's designation.	Model No. S-291.
5. Dimensions.....	.....
6. Size or capacity.....	.....
7. How driven.....	Driven by 6 hp. gasoline engine.
8. Material.....	Steel body, carborun- dum grinder.

Unit for Reporting Quantity

Item..... 5 rail grinders.

RAILROAD AND TRANSIT SIGNAL EQUIPMENT

Type of Equipment Covered

Block signal systems .	Instruments
Switch and lock movements	Signal fixtures, housing
Circuit controllers	Crossing protection
Cab signals	Traffic controls and stops, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Automatic block signal system.
2. Manufacturer.....	Made by Lee Horning & Co.
3. Manufacturer's reference and plate number.....	Manufacturer's reference No. 452, attached plate No. 10.
4. For track bonds:	
a. Type.....	.....
b. Length.....	.....
c. Material or composition.....	.....
5. For centralized traffic controls:	
a. Type of machine (number of sections).....	.....
b. Type of unit control.....	.....
6. For interlocking machines:	
a. Number of levers.....	.....
b. Number of spares.....	.....
c. Model number.....	.....
d. Type of operation.....	.....
7. For automatic block signal systems:	
a. Type.....	Semaphore type.
b. Number of indications.....	3 indications.
c. Method of control.....	A. P. B. control.
d. Kind of current.....	D. C.
e. Mountings.....	Ground mast mountings.
f. Instruments.....	Relay instruments.
g. Housing material.....	Steel housings.

Unit for Reporting Quantity

Item..... 6 signal systems.

**PASSENGER AND PASSENGER-TYPE RAILROAD CARS
(EXCEPT SELF-PROPELLED)**

Type of Cars Covered

Coaches	Dining Cars	Hospital Cars
Combination Cars	Baggage Cars	Special Purpose Types
Parlor Cars	Mail or Postal Cars	Military Types
Sleeping Cars	Refrigerator Express Cars	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Railroad passenger car.
2. Type of car (coach, baggage, dining, etc.).....	Coach, reclining seats.
3. Name of manufacturer.....	Made by Flax & Co.
4. Year and model number or name.....	Made in 1938—model T8
5. Type of construction.....	Stainless steel construction.
6. Dimensions:	
a. Height over-all.....	13' 6" height over-all.
b. Width over-all.....	10' 0 $\frac{1}{4}$ " width (over side rails).
c. Length (coupled).....	79' 10" length (coupled).
7. Gross weight of car.....	98,200 lb. gross weight.
8. Type of trucks (4-wheel or 6-wheel).....	4 wheel trucks.
9. Gauge of track.....	4' 8 $\frac{1}{2}$ " gauge.
10. Wheels:	
a. Diameter.....	36" diameter of wheels.
b. Material (cast iron or wrought steel).....	Made of wrought steel.
c. If wrought steel—1-wear, 2-wear, multiwear.....	Multiwear type.
11. Capacity (seating and sleeping, in numbers; or load carrying, in pounds).	60 seating capacity.
12. Type of truck brakes.....	Clasp brakes.
13. Type of heating.....	Steam ejector heating.
14. Type of air-conditioning.....	Steam ejector air-conditioning.
15. Kind of lighting.....	32-volt incandescent lighting.
16. List or describe special features other than standard.....	-----
17. Photograph.....	Photo attached.

Unit for Reporting Quantity

Car..... 3 railroad passenger cars.

**RAILROAD FREIGHT CARS
(EXCEPT MINING AND INDUSTRIAL TYPES)**

<i>Type of Cars Covered</i>		
Box Cars	Gondola Cars	Stock Cars
Auto Box Cars	Refrigerator Cars	Special Purpose Types
Tank Cars	Hopper Cars	Military Types
	Flat Cars	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Railroad freight car.
2. Type of car (box, hopper, tank).....	Box car, wheat type.
3. Name of manufacturer.....	Made by Brown & Co.
4. Year and model number or name.....	Made in 1929—model 42.
5. Type of construction.....	Steel frame and body.
6. Inside dimensions:*	
a. Height.....	8' 7¼" inside height.
b. Width.....	8' 9½" inside width.
c. Length.....	40' 6" inside length.
7. Light weight of car.....	46,000 lb. light weight of car.
8. Type of trucks (4-wheel or 6-wheel).....	4-wheel trucks.
9. Gauge of track.....	4' 8½" gauge.
10. Wheels:	
a. Diameter.....	33" diameter of wheels.
b. Material (cast iron or wrought steel).....	Made of wrought steel.
c. If wrought steel—1-wear, 2-wear, multiwear.....	2-wear type.
11. Capacity**.....	Capacity 100,000 lb., 3,056 cu. ft.
12. Load limit.....	123,000 lb. load limit.
13. Type of body brakes (air type K or AB or vacuum).....	Air type K body brakes.
14. Kind of roof (brand or trade name).....	Johnson roof.
15. List or describe special features other than stand- ard.....	-----
16. Photograph.....	Photo attached.

*Except for flat cars, for which give:

- | | |
|-------------------------------|-------|
| a. Height to platform..... | ----- |
| b. Width of platform..... | ----- |
| c. Length over end sills..... | ----- |

**Capacity should be expressed as follows:

- | |
|--|
| a. Special hopper cars—cubic feet (level full
or 10" heap). |
| b. Tank cars—gallons and pound. |
| c. Cabooses—number of bunks. |
| d. All other—pounds and cubic feet. |

Unit for Reporting Quantity

Car..... 3 cars.

CAR PARTS

(Includes Parts for Freight Cars, Passenger and Passenger-Type Cars, Trolley Buses, Street Cars, etc.)

		<i>Type of Products Covered</i>	
Trucks Roofs	Ends Doors	Draftgears Couplers	Hand Brakes Etc.
<i>Information Needed</i>		<i>Example</i>	
1. Descriptive name of product.....		Truck.	
2. Kind of car for which made (general type, or name of specific car).....		For freight car.	
3. Name of manufacturer.....		Made by Lawrence & Co.	
4. Model number or name.....		Type B.	
5. For roofs:			
a. Gauge or thickness of sheets.....		.....
b. Number and type of car lines.....		.....
6. For ends: thickness of both sections.....		.....
7. For doors (side and end): width and height of door opening.....		.....
8. For couplers:			
a. Size of shank.....		.....
b. Size of butt.....		.....
c. Length from end to pulling face at bottom of top operation.....		.....
9. For hand brakes:			
a. Vertical or horizontal or drop.....		.....
b. Type of handle.....		.....
c. Diameter or length of handle.....		.....
10. For trucks:			
a. Number of wheels.....		4-wheel truck.	
b. Diameter of wheels.....		33" diameter of wheels.	
c. Gauge of track.....		4' 8½" gauge.	
d. Wheel base of truck.....		5' 6¼" wheel base of truck.	
e. Center plate height above rail.....		25¼" center plate height above rail.	
f. Journals; diameter and length.....		Journals 5½" diameter x 10" long.	
g. Side bearing (roller or friction).....		Roller side bearing.	
h. Journal boxes—integral or separate.....		Integral journal boxes.	
i. Side frames—(A. A. R. doubletruss or section U-terl).....		A. A. R. doubletruss side frames.	
j. Type of brakes (single shoe or clasp).....		Clasp brakes.	
<i>Unit For Reporting Quantity</i>			
Item.....		2 freight car trucks.	

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 445.

AIRCRAFT AND AIRCRAFT COMPONENTS

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AIRPLANES: CIVIL AND MILITARY

Type of Airplanes Covered

Air-Carrier	Communication	Training
Amphibian	Fighter	Transport
Bomber	Flying Boat	Utility
Cargo	Pleasure Type	Seaplanes
Civilian	Reconnaissance	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of aircraft.....	Airplane.
2. Type, descriptive.....	Biplane, open cockpit.
3. Type—Army and/or Navy designation.....	Trainer—AAF.
4. Number of seats or load capacity.....	3-passenger.
5. Single or dual control.....	Single control.
6. Manufacturer.....	Made by Jones Mfg. Co.
7. Manufacturer's designation or model number.....	CPT model.
8. Number of engines.....	1 engine.
9. Make of engine.....	Made by Smith Mfg. Co.
10. Engine manufacturer's designation.....	Model R-680-E-3.
11. Total rated horsepower.....	95 hp.
12. Type of propeller.....	Variable pitch propeller.
13. Propeller diameter.....	6'2" diameter.
14. Plane dimensions:	
a. Wing span.....	35 ft. wing span.
b. Length over-all of fuselage.....	23 ft. long fuselage.
c. Height over-all.....	7 ft. height over-all.
15. Wing construction.....	Metal-covered wings.
16. Fuselage or hull construction.....	Metal ribs, fabric-covered fuselage.
17. Landing gear.....	Nonretractable landing gear, with brakes.
18. Tail unit.....	Skid tail unit.
19. Equipment in plane:	Equipment in plane:
a. Flight instruments.....	Altimeter, air speed, bank, and turn indicators.
b. Engine instruments.....	Thermometer, oil pressure indicator, tachometer.
c. Automatic pilot.....	
d. Starting system.....	
e. Communication equipment.....	2-way radio.
f. Deicers.....	
g. Tow target equipment.....	

Unit for Reporting Quantity

Airplane..... 5 airplanes.

AIRSHIPS AND BALLOONS

Type of Products Covered

(A)

Patrol Airships
Barrage BalloonsTraining Airships
Free Balloons

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Airship.
2. Type, descriptive.....	D. C. type; Bureau of Aeronautics.
3. Type (rigid, semirigid, nonrigid, or blimp).....	Blimp.
4. Passenger or crew capacity.....	4-passenger.
5. Manufacturer.....	Made by Goodman Co.
6. Model or design number, and issuer.....	Design A-5; Bureau of Aeronautics.
7. Dimensions:	
a. Length.....	40 ft. long.
b. Height.....	20 ft. high.
8. Number of engines.....	2 engines.
9. Make of engine.....	Made by Roye Mfg. Co.
10. Manufacturer's designation of engine.....	Model V-18.
11. Rated horsepower of each engine.....	300 hp. each.
12. Type of propeller.....	Variable pitch propeller
13. Propeller diameter.....	7' 6" diameter.
14. Equipment in airship:	Equipment in airship:
a. Flight instruments.....	Airspeed indicator, altimeter, and climb indicator.
b. Engine instruments.....	Oil-pressure gauge, fuel gauge, engine thermometer, tachometer.
c. Starting system.....	-----
d. Communication equipment.....	2-way radio.
<i>Unit for Reporting Quantity</i>	
Airship.....	50 airships.

ROTARY WING AIRCRAFT

Type of Products Covered

(B)

Gyros

Helicopters

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Autogiro.
2. Number of seats.....	2-passenger.
3. Manufacturer.....	Made by Mallett Mfg. Co.
4. Manufacturer's design or model number.....	Model VO-65.
5. Make of engine.....	Engine made by Mont Mfg. Co.
6. Manufacturer's design or model number of engine.....	Model 645.
7. Total rated horsepower.....	180 total hp.
8. Number of blades and diameter of rotor blades.....	3 blades, 7'10" dia.
9. Landing gear.....	Pontoon landing gear.
<i>Unit for Reporting Quantity</i>	
Craft.....	40 Autogiros.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 423.

(A) AIRCRAFT ENGINES OR POWER PLANTS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Airplane engine.
2. Number of cylinders.....	12 cylinders.
3. Cylinder arrangement.....	V type.
4. Cooling system.....	Liquid cooled.
5. Intended use.....	For Grum and Lock training planes, P-15.
6. Manufacturer.....	Made by All Mfg. Co.
7. Design or model number.....	Model V-1716.
8. Rated horsepower take-off.....	Rated 100 hp. take-off.
9. Propeller shaft—number of splines.....	50 spline propeller shaft.
10. Propeller gear ratio.....	Direct drive.
11. Rotation of propeller shaft (from rear end).....	Clockwise shaft rotation.
12. Type of supercharger.....	Turbo supercharger attached.
13. Fuel type and pressure.....	Uses 81 octane fuel 6 to 7 lb. pressure (sq. in.).
14. List extra drives built in engine:	Engine drives built in:
a. Tachometer drives.....	Tachometer drive.
b. Starter drive.....	
c. Propeller governor drive.....	
d. Fuel pump drive.....	Fuel pump drive.
e. Vacuum pump drive gears.....	
f. Generator drive.....	Generator drive.
15. List extra equipment on engine:	Equipment on engine:
a. Carburetor.....	Stom carburetor PT13F.
b. Carburetor air ducts and screens.....	With air ducts, screens.
c. Nose cowl.....	
d. Exhaust collector rings and pipes.....	
e. Hydro. adjustable propeller control valve.....	
f. Cartridge starter.....	
g. Oil filter.....	Screen-mesh oil filter.
<i>Unit for Reporting Quantity</i>	
Engine.....	4,000 airplane engines.

(B) AIRCRAFT PROPELLERS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Propeller.
2. Type (fixed pitch, 2-position, or controllable).....	2-position.
3. Manufacturer.....	Made by Milton. Co.
4. Hub model.....	Model 23 E 50.
5. Army and/or Navy blade design number.....	Design 6477A-O-AAF.
6. Propeller diameter.....	11'7" diameter.
7. Model of airplane for which designed.....	For B-17—Bureau of Aeronautics.
<i>Unit for Reporting Quantity</i>	
Propeller.....	12,000 propellers.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 425; 426.

GLIDERS

	<i>Type of Gliders Covered</i>	(A)
Troop Transport	Equipment and Cargo Transport	Trainers

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Glider.
2. Type.....	Cargo type.
3. Manufacturer.....	Made by Airway Mfg. Co.
4. Manufacturer's design or model number.....	Model J-51.
5. Army and/or Navy model number or designation.....	AAF design C-5.
6. Number of places or load capacity.....	1,200-lb. load capacity.
7. Dimensions:	
a. Wing span.....	38 ft. wing span.
b. Over-all length.....	20 ft. length.
c. Over-all height.....	6 ft. height.
8. Landing gear.....	Landing gear - wheels in front, skid-tail.
9. Tow apparatus.....	Center high tow apparatus.
10. Construction.....	Steel tube construction, fabric covered.
11. Type of tow plane required.....	C-45 tow plane required.

Unit for Reporting Quantity

Glider..... 5 gliders.

TRAINING EQUIPMENT

	<i>Type of Products Covered</i>	(B)
Trainers in Instruments and Navigation Synthetic Ground Types Link Trainers Bombing Trainers Trainers in Celestial Navigation Trainers in Dead Reckoning	Aerial Gunnery Training Devices: Targets, Fixed or Tow Drift Meters Radio Ranges Miniatures	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Link trainer.
2. Army and/or Navy model number or designation.....	AAF-C-6 model.
3. Purpose for which designed.....	To train pilots in instrument flying.
4. Manufacturer.....	Made by Soon Mfg. Co.
5. Controls.....	Equipped with remote electrical controls.

Unit for Reporting Quantity

Item..... 400 link trainers.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 423, 429.

AIRFRAME PARTS

Type of Parts Covered

Fuselage
Hulls
Wings
Ailerons
Laterons
Nacelles
Empennage
Rudders

Tab
Fillets
Fins
Stabilizers
Elevators
Firewalks
Flaps
Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Fuselage center assembly.
2. Manufacturer.....	Made by Millet Mfg. Co.
3. Prime contractor.....	Prime contractor Gord Mfg. Co.
4. Manufacturer's design or model number.....	Part No. 98546.
5. Army and/or Navy design or part number.....	AAF part No. 341825.
6. Army and/or Navy part number of main assembly.....	To be incorporated in AAF part No. 6541.
7. Airplane model for which designed.....	For B-24, Bureau Aeronautics.
8. Construction.....	Fabric covered tubular metal frame.

Unit for Reporting Quantity

Item..... 1,200 fuselage center assemblies.

ENGINE AIRFRAME PARTS AND ACCESSORIES

Type of Parts and Accessories Covered

Automatic Mixture Controls
 Oil Temperature Regulators
 Exhaust Collectors
 Exhaust Manifolds
 Air Scoops and Ducts
 Carburetor Assemblies

Engine Mounts
 Short Stocks
 Collector Rings
 Bayonet Stacks
 Cowling
 Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Collector ring.
2. Manufacturer.....	Made by Arbuckle Mfg. Co.
3. Design, model number or other manufacturer's designation.	Model W-4865.
4. Manufacturer's drawing number.....	Drawing No. 4825.
5. Army and/or Navy part number.....	AAF part No. 958431.
6. Army and/or Navy type designation.....	AAF type M-1.
7. Engine model for which designed.....	For Band G Rotary, model D engine frame.
8. Airplane model for which designed.....	Designed for model A- 100 airplane.

Unit for Reporting Quantity

Item..... 12,000 collector rings.

PRESSURE TYPE AIRCRAFT ACCESSORIES AND EQUIPMENT

Type of Products Covered

Booster Pumps	Hydraulic Cylinders
Hydraulic Pumps	Turbosuperchargers
Vacuum Pumps	Flow Dividers
De-icer Pumps	Hand Starting Emergency Pumps
Hand Pumps	Filters
Transfer Pumps	Strainers
Refuel Pumps	Regulators (Hyd. Press.)
Auxiliary Pumps	Actuators
Bilge Pumps	Quick Disconnect Fittings
De-icing Boots	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Vacuum pump.
2. Type.....	AAF type 68-6T.
3. Intended use.....	For use on automatic pilot.
4. Manufacturer.....	Made by Bessington Mfg. Co.
5. Manufacturer's design or model number.....	Model. J-58.
6. Army and/or Navy design or model number.....	Design AN-5431.
7. Specification, including source or issuer.....	Specification AN-P-4.
8. Capacity.....	4½ cubic feet per minute.
9. Size and number of ports.....	Intake ⅝", exhaust ⅜" and ½".
10. Type of drive (for pump).....	12-spline drive.

Unit for Reporting Quantity

Item..... 1,000 vacuum pumps.

AIRCRAFT PERSONNEL EQUIPMENT

Type of Products Covered

Helmets	Emergency Sustenance Equipment
Flying Suits	Boots
Goggles	Gloves
Vests	Jackets, etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Gloves, electrically heated.
2. Manufacturer.....	Made by Kiddington Mfg. Co.
3. Manufacturer's type designation.....	Type No. C 2.
4. Manufacturer's drawing number.....	Drawing No. X 8392.
5. Army and/or Navy model number.....	A. E. reference No. 45-683.
6. Army and/or Navy type or stock number.....	ASC stock No. 8210.
7. Size.....	Size 8.
8. Material.....	Leather, with wool lining.
9. Accessory heating attachments provided (for clothing).	Wired for electric heating-24 volts.

Unit for Reporting Quantity

Item, pair, or kit (naming contents).....	3,000 doz. pairs of gloves.
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Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 428, 429.

AIRCRAFT FUEL AND OIL TANKS

Type of Products Covered

Expendable Fuel Tanks
 Auxiliary Tanks
 Self-sealing Tanks

Reservoirs
 Accumulators
 Fuel Cells

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Bomb bay metal fuel tank.
2. Manufacture	Made by Thomas Mfg. Co.
3. Design, model number or other manufacturer's designation.....	Model No. TFD-843.
4. Army and/or Navy part number.....	AAF part No. 6859.
5. Specification, including source or issuer.....	Specification AnGG-6, AAF.
6. Construction (base material)	Duralumin construction.
7. Dimensions and capacity.....	60" x 40" x 20"; 200 gal. capacity.
8. Pressure rating.....	30 lb. pressure rating.
9. Aircraft model for which designed.....	Designed for P-14 airplane.
 <i>Unit for Reporting Quantity</i>	
Tank.....	3,000 fuel tanks.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 424.

AIRCRAFT LANDING GEAR AND EQUIPMENT

<i>Type of Products Covered</i>	
Wheels	Oleo Struts
Pontoons	Brakes
Beaching Gear	Float Gear
Skids	Landing Mats
Skis	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Streamline landing wheel.
2. Type.....	Drop center rim type.
3. Manufacturer.....	Made by Buddington Mfg. Co.
4. Design, part number, or other manufacturer's designation.....	Part No. 68593.
5. Army and/or Navy design or part number.....	Bureau of Aeronautics part No. J-85.
6. Rated capacity.....	2,000 lb. rated capacity.
7. Size.....	24" size.
8. Airplane models for which designed.....	Designed for B-51-SBD98 Bureau of Aeronautics models.

Unit for Reporting Quantity

Item..... 2,000 landing wheels.

AIRCRAFT OXYGEN EQUIPMENT

Type of Equipment Covered

Masks
Connectors
Economizers
Cylinders
Breathing Tube Assembly
Regulators
Manifolds

Warning Signals
Flow Indicators
Recharger Assembly
Swivel Joints
Canisters
Rebreathers
Gauges

*Information Needed**Example*

- | | |
|--|----------------------------------|
| 1. Descriptive name of equipment..... | Tube: demand, mask to regulator. |
| 2. Type designation..... | British Mark XV type. |
| 3. Manufacturer..... | Made by Hood Mfg. Co. |
| 4. Design, model number or other manufacturer's designation. | Model POH-8481. |
| 5. Army and/or Navy part number..... | Part No. AN-6991. |
| 6. Specification, including source or issuer..... | Spec. AN-T-23 |
| 7. Capacity or size..... | 2'4" long. |
| 8. Pressure..... | High pressure. |

Unit for Reporting Quantity

Item or assembly..... 9,000 tubes.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 424.

AIRCRAFT GROUND SERVICE EQUIPMENT

Type of Equipment Covered

Engine Testing Stands	Meter Pressure Testers
Fuel Pump Testing Stands	Ignition Harness Testers
Cylinder Reconditioning Stands	Mobile Cradles and Dollies
Carburetor Testing Stands	Mobile Storage Dollies
Generator Testing Stands	Moorings and Buoys
Magneto Testing Stands	Tool Kits
Hydraulic Line Testers	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Mobile storage dolly.
2. Type, descriptive.....	4 swivel-wheel platform type.
3. Manufacturer.....	Made by Doe Mfg. Co.
4. Design, model number, or other manufacturer's designation.....	Model AC-6.
5. Army and/or Navy design or model number.....	AAF—model C-22.
6. Dimensions.....	6 ft. long, 3 ft. wide, 1 ft. high.
7. Capacity.....	Capacity 1,000 lb.
a. For <i>tool kits</i> , list and describe contents.....	
8. Method of operation.....	Manually operated.

Unit for Reporting Quantity

Item..... 4,500 dollies.

AIRCRAFT COCKPIT EQUIPMENT

(A) *Type of Equipment Covered*

Seats	Holders	Controls
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<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Navigator's seat.
2. Passenger capacity (for seats).....	1-passenger.
3. Type of mounting.....	Adjustable 3-bolt mount.
4. Manufacturer.....	Made by Lynn Mfg. Co.
5. Manufacturer's type designation.....	Type A.
6. Manufacturer's design or model number.....	Model B-1.
7. Army and/or Navy type designation.....	Navy type, Mark II.
8. Army and/or Navy part number.....	Navy part No. 68531.
9. Model of airplane for which designed.....	For P-69 airplane.

Unit for Reporting Quantity

Item or assembly..... 90 seats.

MISCELLANEOUS AIRCRAFT EQUIPMENT

(B) *Type of Equipment Covered*

Life Rafts	Parachutes	Pyrotechnics
Life Raft Accessories	Glider Towlines	Air Cargo Mooring
Safety Belts	Releases—Glider Aerial	Aircraft Mooring
Catapults	Towing	Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Parachute.
2. Army and/or Navy type designation.....	Seat type.
3. Capacity, size, etc.....	24 ft. size.
4. Material and color.....	Color, white.
5. Prime contractor.....	Made by Doe Mfg. Co.
6. Manufacturer, if not the same as contractor.....	Manufacturer's serial No. 72841.
7. Manufacturer's design or model number.....	AN No. 6521.
8. Army and/or Navy part number.....	Spec. ANA P-121.
9. Specification.....	Navy purchase contract 6842.
10. Government number or contract number.....	Made Jan. 6, 1943.
11. Date of manufacture.....	Last inspected Jan. 20, 1944.
12. Last date of inspection.....	

Unit for Reporting Quantity

Item..... 3,200 parachutes.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classifications: 424, 427, 428.

SHIPS, SMALL WATER CRAFT AND MARINE MECHANICAL EQUIPMENT

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SHIPS AND AUXILIARY MARINE CRAFT

Type of Products Covered

Barges, lighters, and scows, including: tank, flush deck, deck housed, hopper, car float, dredge, derrick, pump, etc.
 Car ferries and sea trains.
 General cargo ships, including: bulk carriers and refrigeration.
 Drydocks.

Passenger ships.
 Special purpose vessels, including: processing, cable, repair, salvage, survey, etc.
 Tugs, towboats, fireboats, and ice breakers.
 Tankers.

<i>Information Needed</i>	<i>Example</i>
1. Type of vessel.....	Passenger ship.
2. Construction (hull material and number of screws).....	Steel hull, twin screws.
3. Name of vessel.....	Name, "Artemis".
4. Type of service (ocean, coastal, Great Lakes, inland sea, inland waterways).....	Transocean service.
5. Last use.....	Last used as transport.
6. Passenger capacity (normal use).....	1,202-passenger capacity.
7. Crew capacity.....	642-crew capacity.
8. Gross tonnage.....	26,454 gross tonnage.
9. Net tonnage*.....	14,320 net tonnage.
10. Deadweight tonnage*.....	14,331 deadweight tonnage.
11. Length (over all).....	663.1 ft. over-all length.
12. Breadth or beam.....	93.5 ft. beam.
13. Draft—loaded.....	32 ft. draft, loaded.
14. Speed—knots.....	Speed, 22 knots.
15. Built by, and year.....	Built by Newcomer Shipbuilding Co., 1940.
16. Engine type and power.....	3-cylinder, triple-expansion steam turbines: two 37,400 shp.
17. Engine built by, year and model number.....	Built by Vapex Engine Co., 1940, model K746G.
18. Boilers: type, fuel used.....	James & Williams, oil fired boilers.
19. Boilers: built by, and year.....	Built by James & Williams, Ltd., 1940.
20. Bunker capacity (coal or oil).....	5,000 tons fuel-oil bunker capacity.
21. Cruising range.....	13,000 miles cruising range.
22. For car ferries and sea trains: number of cars capacity.....	.....
23. For barges, lighters and scows: auxiliary equipment included (boilers, engines, pumps, etc.).....	.....
24. For fireboats: pumping capacity.....	.....
25. For special purpose vessels: describe major special equipment, especially indicating capacity.....	.....

*Not required for vessels of less than 1,000 gross tonnage.

Note.—The above information in bold-face type is the basic information requested by the Navy for disposal of Navy-owned shipping. All questions, including those in bold-face type, should be answered in reporting the property of all other agencies, if available.

Unit for Reporting Quantity

Ship..... 1 ship.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 431, 434.

SMALL WATER CRAFT INCLUDING FISHING AND PLEASURE CRAFT

Type of Products Covered

Cabin cruisers	Houseboats	Rowboats
Canoes	Launches	Runabouts
Dinghies	Lifeboats	Sailing craft
Dories	Motorboats	Skiffs
Fishing craft	Pontoons	Tenders

<i>Information Needed</i>	<i>Example</i>
1. Type of vessel.....	Commercial fishing boat.
2. Construction (hull material)	
a. If wood indicate how planked (carvel or clinker)...	Wood hull, clinker planked.
b. Number of screws.....	Single screw.
3. Name of vessel.....	Name, "Leander Wilcox"
a. Home port or port of registry (if "documented")	Marblehead, Mass.
b. Official motor boat number (if "numbered")...	-----
4. Type of service (ocean, coastal, etc.).....	Bay and sound service.
5. Last use (if different from answers to 1 and 4).....	-----
6. Passenger capacity (normal use).....	-----
7. Crew capacity.....	30-crew capacity.
8. Gross tonnage or weight for nonpowered craft.....	223 gross tons.
9. Length (over-all).....	126 ft. over-all.
10. Breadth or beam.....	22 ft. beam.
11. Draft—loaded.....	6 ft. draft, loaded.
12. Speed (knots).....	9 knots.
13. Built by, and year.....	Built 1940, by Newcomer Shipbuilding Co.
14. How powered:	
a. Full description of engine (maker, number of cylinders, fuel, year made).	4-cylinder, 250 hp., semi-diesel engine, built 1940, by A. Smith Marine Engine Co.
15. Fuel capacity.....	800-gal. fuel-oil tank.
16. For <i>sailing craft</i> :	
a. How rigged (gaff, marconi, sloop, etc.).....	-----
b. Complement of sails.....	-----
c. Total sail area (square feet).....	-----
d. Keeled, or centerboard.....	-----
17. List and describe special equipment, attachments, and accessories included.	-----

Unit for Reporting Quantity

Item..... 1 fishing boat.

MARINE PROPULSION MACHINERY—MAIN RECIPROCATING STEAM ENGINES

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of machine.....	Main marine steam engine.
2. Type of engine and number of cylinders.....	3-cylinder, triple-expansion, double-acting, reciprocating.
3. Type of ship intended for.....	Designed for V3-S-AH2 tug.
4. Name of manufacturer.....	Made by James & Williams Co.
5. Manufacturer's model and serial number.....	Model RD, serial No. 3719.
6. Indicated or brake horsepower (ihp or bhp).....	1,300 bhp.
7. Revolutions per minute.....	100 rpm.
8. Rated steam pressure and temperature.....	220 psi at 450° F.
9. Exhaust pressure (vacuum).....	26 in. vacuum.
10. Thrust bearing characteristics:	
a. Type of main thrust bearing.....	Single collar, cone combined thrust bearing.
b. Name of manufacturer.....	Kingslow Machine Co.
c. Model and serial number of thrust bearing.....	Model TM, serial No. 1521.
11. Type of lubrication (gravity, centralized pressure, etc.).	Hand oil box gravity lubrication.
12. Over-all dimensions of engine including base.....	5 ft. by 10 ft. base, 14 ft. high over-all dimensions.
13. Weight of engine including main thrust bearing....	Weight, 65 tons.
14. Year made.....	Made in 1943.
15. Contract number and/or purchase order number.....	
16. List and describe special equipment, attachments, spare parts, and accessories included:	Includes the following: Throttle valve. Operating hand levers. Steam pressure gauges. Mechanical cylinder lubricators. Set of springs. Main bearing complete. Set of high pressure piston rings. Main crank pin bearing.

Unit for Reporting Quantity

Engine..... 1 engine complete.

MARINE PROPULSION MACHINERY—MAIN STEAM TURBINES

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Main steam turbine.
2. Type of turbine and number and type of cylinders or casings.....	Cross compound type, 4-cylinder; hi-pressure, low-pressure, cruising and reversing.
3. Type of ship intended for.....	Designed for C-3 cargo ship.
4. Name of manufacturer.....	Made by Omen Electric Co.
5. Manufacturer's model and serial number.....	Model KZ, serial No. 7146.
6. Shaft horsepower.....	8,500 shaft hp.
7. Speed of high-pressure turbine.....	6,150 rpm high-pressure turbine.
8. Speed of low-pressure turbine.....	3,500 rpm low-pressure turbine.
9. Rated, initial, or design steam pressure and temperature.....	440 psi rated steam pressure at 740° F.
10. Exhaust pressure (vacuum).....	28.8 in. vacuum.
11. Water rate.....	Water rate 6.97 lb. per horsepower-hour.
12. Condenser (indicate if included and position).....	Condenser in base.
13. Type of drive (reduction gear or electric drive):	
a. If <i>reduction gear drive</i> indicate if the reduction gear is included, and if it is built in, mounted on, or connected to, turbine. If included, describe the reduction gear as on p. 39 of this section.	Reduction gear drive, built in (follow with a description of the reduction gear).
b. If <i>electric drive</i> and generators and motors are included, describe the generators and motors as in sec. IX.	-----
14. Over-all dimensions of turbine including base and including gear if part of turbine.	21' 7" long, 13' 6" wide, 22' high over-all dimensions including base and gear.
15. Weight (high-pressure and low-pressure turbine separately if available).	Approx. wt: 14,000 lb. high-pressure turbine, 35,000 lb. low-pressure turbine, 146,000 lb. reduction gear.
16. Year made.....	Made in 1942.
17. Contract number and/or purchase order number.....	BuShip contract No. NObs—17,000.
18. List and describe special equipment, attachments, spare parts, and accessories included.	Accessories: 2 Omen turbo exciters 300 k. w. each, D. C. 1 Omen 2-panel switch-board complete. 2 Drun & Loraine throttle and control valves. Spare parts: 1 set of springs for governor, relief and maneuvering valves. 1 set gland packing rings with springs. 1 set thrust bearing shoes.

Unit for Reporting Quantity

Turbine..... 1 turbine.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 436.

MARINE MAIN DIESEL AND GASOLINE ENGINES

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name and type of equipment covered.....	Marine Diesel engine.
2. Reversible type.....	Reversible type.
3. Type of ship intended for.....	For towboat.
4. Manufacturer.....	Made by the Monarch Co.
5. Manufacturer's model and serial number.....	Model No. 4 HS 1021, serial No. 1,213,011.
6. Brake horsepower (bhp).....	240 bhp.
7. Revolutions per minute.....	720 rpm.
8. Number of cylinders.....	6 cylinders.
9. Bore and stroke.....	8½" bore, 10½" stroke.
10. Number of cycles.....	4 cycles.
11. Type of fuel injection system.....	Monarch common rail fuel injector.
12. Type of drive (direct, electric, reduction gear or multiple engine):	
a. <i>If reduction gear drive</i> indicate if the reduction gear is included and if it is built in, mounted on or connected with engine, describe the reduction gear as on p. 39 of this section.	Reduction gear drive, built in (follow with a description of the reduction gear).
b. <i>If electric drive</i> and the generator and motors are included describe the generator and motors as in sec. IX.	-----
c. <i>If multiple engine drive</i> specify type of connection and number of engines to be connected.	-----
13. Type of thrust bearing.....	Kingsbury—2-shoe thrust bearing.
14. Marine cooling system (designed for salt water use) ..	Cooling system suitable for fresh water only.
15. Over-all dimensions of engine including base and including gear if part of engine.	Over-all dimensions 10'6" x 3'9" x 5'8" high.
16. Weight, engine and gear (approximate).....	Weight 13,000 lb.
17. Year made.....	Made in 1940.
18. Contract number and/or purchase order.....	BuShips contract No. NObs—17,000.
19. Packaging (on skids, export, open, etc.).....	On skids.
20. Accessories included.....	Accessories: 1 air starter. 1 governor. 1 set of wrenches.
21. Spare parts included.....	Spare parts: 1 cylinder head. 2 pistons. 4 fuel injection nozzles. 2 set of rings.

Unit for Reporting Quantity

Engine or group..... 1 engine.

MARINE PROPULSION MACHINERY—MAIN REDUCTION GEARS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of equipment.....	Main marine reduction gear.
2. Type of reduction gear.....	Double reduction type.
3. Type of ship intended for.....	Designed for C-3 cargo ship.
4. Is gear detached or built into prime mover.....	Gear separate from engine.
5. Engine or turbine gear is designed for.....	Designed for Omen Electric Co. Steam turbine Model KL.
6. Name of manufacturer.....	Made by Oracle Gear Works.
7. Manufacturer's model and serial number.....	Model 43, serial No. 18400.
8. Shaft horsepower.....	8,500 shaft hp.
9. Revolutions per minute of high-speed shafts.....	High-speed shafts; 6,150 rpm high-pressure, 3,500 rpm low-pressure.
10. Propeller or slow-speed shaft revolutions per minute.....	85 rpm propeller shaft speed.
11. Reversible type gear.....	Reversible type.
12. Thrust bearing:	
a. Type of thrust bearing.....	Integral, single collar, double 6-shoe thrust bearing.
b. Name of manufacturer.....	Made by Kingslow Co.
c. Manufacturer's model and serial number.....	Model BHB, serial No. 1284.
d. Diameter of thrust collar.....	3" diameter thrust collar.
13. Outside diameter of slow-speed shaft.....	21" O. D. slow-speed shaft.
14. Over-all dimensions of gear, including base.....	11 ft. long, 13 ft. wide, 20 ft. high.
15. Weight.....	Approximate weight 146,000 lb.
16. Year made.....	Made in 1943.
17. List spare parts included.....	Spare parts included: 2 high-speed pinion bearings. 2 second reduction gear bearings. 1 set of bearing oil deflectors.

Unit for Reporting Quantity

Item..... 1 main reduction gear.

(A) BOAT AND SHIP PROPELLERS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Ship propeller.
2. Type of ship intended for*.....	Designed for DE 1-50.
3. Manufacturer.....	Made by Curry Foundry Co.
4. Manufacturer's model, catalog or serial number or other designation.....	Model C-2, serial No. 246.
5. Diameter*.....	6' 1" diameter.
6. Mean pitch*.....	4' 5½" mean pitch.
7. Number of blades.....	3 blades.
8. Material.....	Manganese bronze.
9. Type of construction (solid or built up).....	Solid construction.
10. Designed for starboard, port, or center.....	Designed for starboard use.
11. Bore:	
a. Length.....	Bore 21 inches long.
b. Diameter at large end.....	8" dia. at large end.
c. Diameter at small end.....	6" dia. at small end.
12. Size of key way.....	Key way 2" wide, 1 inch deep, parallel to taper.
13. Weight*.....	1,825 lb.
14. Other name-plate data (include all other name plate data stamped on propeller hub).....	D D - 99 - S 4 4 0 0 - 3, BuShips serial No. 10000.
15. Accessories and spare parts included.....	Accessories included: Fairwater cap complete. Packing gland complete.
16. Year made.....	Made in 1944.

*Usually included in name-plate data stamped on propeller hub.

Unit for Reporting Quantity

Item..... 1 propeller.

(B) MARINE MAIN SHAFTING

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Shafting.
2. Type of shafting section (propeller or tail shaft, stern tube shaft, line shaft, thrust shaft, intermediate shaft).....	Tail shaft.
3. Type of ship intended for.....	Designed for DE-51-98.
4. Name of manufacturer.....	Made by Steary Forge Co.
5. Material and American Bureau of Shipping (ABS) grade.....	Steel ABS grade No. 1.
6. Construction (solid or hollow).....	Solid construction.
7. Length.....	24' 6½" long.
8. Outside diameter between flanges or ends.....	8¾" outside diameter.
9. Outside diameter and thickness of coupling flanges.....	Diameter of coupling flange 15¾".
10. Diameter of journal or bearing sleeve.....	Sleeve bearing diameter 9½".
11. Number and size of coupling flange bolt holes (each flange) and bolt circle.....	Eight 1½ in. bolts on 13 in. bolt circle.
12. Plan number and piece number (indicate source or issuer).....	BuShips plan No. DE SI - S 4 3 0 1 - 65, piece No. 101.

Unit for Reporting Quantity

Piece..... 1 shaft.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 437.

MARINE STEERING GEAR

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Steering gear.
2. Type of ship intended for.....	Intended for destroyer escort (DE-51-99).
3. Manufacturer.....	Made by Park Windlass Co.
4. Manufacturer's model, catalog or serial number, or other designation (from name plate).	Model X2A, serial No. 42785.
5. Method of operation (power driven or mechanical hand type).	Power driven.
6. If power driven:	
a. Type of power drive (electro-hydraulic, electro-mechanical, steam-hydraulic, steam, etc.).	Electro-hydraulic.
b. Mechanical design (double ram or single ram and Rapsom slide type, link type, etc.).	Single ram, Rapsom slide type.
7. Power characteristics:	
a. Horsepower and voltage, phase and cycle, or D. C. voltage, for electric motors.	25 hp., 440 v., 3 ph., 60 c., 1,800-870 rpm motor.
8. Dimensions, etc:	
a. Quadrant radius or crosshead radius.....	24" quadrant radius.
b. Drum pitch diameter (for electro-mechanical or steam-mechanical).	-----
c. Rope or chain size (for electro-mechanical or steam-mechanical).	-----
d. Diameter of bore for rudder post.....	10" bore for rudder post.
e. Diameter and stroke of ram.....	10½" dia. ram, 24" stroke.
9. Type of distant control (synchronous electric, hydraulic telemotor, wire rope, etc.).	Synchronous electric control.
10. Diameter and type of steering wheel.....	24" brass, smooth rim steering wheel.
11. List and describe special equipment, attachments, spare parts and accessories included.	Includes emergency steering with hand cranks geared to Oil-bury unit.
 <i>Unit for Reporting Quantity</i> 	
Item.....	1 complete steering gear.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 438.

DIVING, WATER SAFETY, AND MISCELLANEOUS SHIP EQUIPMENT

Type of Equipment Covered

Diving Equipment: Diving Gear Diving Belts Diving Helmets Diving Suits Etc.	Water Safety Equip- ment: Life Suits Life Vests and Jackets Life Floats Life Rings Life Rafts Lifesaving Nets Etc.	Miscellaneous Ship Equipment: Steel Masts Davits Stanchions Arresting Gears Port Holes Stern Posts Rudders Rudder Posts Etc.
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*Information Needed**Example*

1. Descriptive name of product.....	Life Jacket
2. Type.....	Jacket type.
3. Type of ship intended for.....	
4. Name of manufacturer.....	Made by ABC Mfg. Co.
5. Manufacturer's model, catalog, serial number or other designation.....	
6. Drawing or plan number.....	
7. Principal material.....	Kapok.
8. Size or dimensions.....	Lower edge about 54", height 20", adjusta- ble for all adults.
9. Weight.....	Weight 3 lb.
10. Capacity.....	Capacity 1 person.
11. Specification, including source and name of issuer.....	Spec. Navy 23p 12 (INT).
12. List and describe special features, attachments, spare parts or accessories included.....	

Unit for Reporting Quantity

Item..... 1,500 life jackets.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classification: 439.

MOTOR VEHICLES, TRACTORS, AND MISCELLANEOUS TRANSPORTATION EQUIPMENT

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PASSENGER CARS, STATION WAGONS, AND TAXICABS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Passenger car.
2. Type of body style.....	Sedan (4-door).
3. Passenger capacity.....	5-passenger.
4. Manufacturer.....	Made by Super Motor Co.
5. Make or brand name.....	"Supercar."
6. Year built and model number.....	Model 1941 Master DL-6.
7. Number of cylinders.....	6 cylinders.
8. Maximum net brake horsepower.....	90 hp. (brake).
9. Number and condition of tires.....	5 tires, good condition.
10. Wheel base length.....	116" wheel base.
11. Body color.....	Black color.
12. Type of upholstery.....	Mohair upholstery.
13. Mileage*.....	Mileage approx. 15,000.
14. Describe and list special features and accessories other than standard.	Equipped with radio, heater, seat covers.

*Where the report is for more than 1 car in a lot, indicate the maximum and minimum mileage for the group. If the mileage is practically the same for all cars reported in the lot, the approximate average may be indicated.

Unit for Reporting Quantity

Vehicle..... 4 passenger cars.

MOTOR BUSES

Does Not Include Trolley Buses (See SEC. XII), or Trailer Type Buses, For Which See P. 48

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Motor bus.
2. Passenger capacity.....	42-passenger.
3. Type of service for which intended (city, intercity, school, etc.).	For local transit use.
4. Manufacturer.....	S.-T. Motor Co., Mfr.
5. Make or brand name.....	"Safe-T."
6. Year built and model number.....	1940 model S-6.
7. Gross vehicle weight.....	9,500 lb. gross vehicle weight.
8. Engine specifications:	
a. Piston displacement (cubic inches) or number of cylinders.....	300 cubic inch piston displacement.
b. Horsepower (maximum net brake horsepower).....	140 bhp.
c. Type of fuel.....	Gasoline fuel.
d. Number of forward speeds.....	4 speeds forward.
e. Type of drive (mechanical, electric, hydraulic— if electric drive, give make and capacity of generator and propulsion motor).	Mechanical drive.
9. Axle and wheel specifications:	
a. Final gear ratio.....	6.2 to 1 gear ratio.
b. Number of wheels (list spares separately).....	6 wheels, plus 1 spare.
c. Size and condition of tires.....	10.00 x 20" tires, good condition.
10. Body specifications:	
a. Over-all length.....	28 ft. over-all length.
b. Over-all width.....	8 ft. over-all width.
c. Inside height.....	78 in. inside height.
d. Type of ventilation.....	Electric blower ventilation.
e. Number and type of heaters.....	3 hot-water heaters.
f. Number of doors.....	Front entrance, side exit.
11. Type of braking system.....	Air brakes.
12. Mileage.....	Driven approximately 12,000 miles.
13. Safety equipment to meet I. C. C., State, or city regulations:	
a. Location and width of emergency door.....	Side emergency door, 30 in. wide.
b. Location and number of marker lights, stop lights and reflectors.	1 rear stop light.
c. Turn indicators.....	Illuminated turn indicator.
<i>•Bus.....</i>	5 buses.

Products of the type for which this page is used are represented by part of the following Standard Commodity Classification: 451.

TRUCKS, TRUCK CHASSIS, TRUCK-TRACTORS AND OFF-HIGHWAY VEHICLES

Includes Special Purpose and Military Types

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Truck.
2. Type.....	"Dump" type.
3. Cab style (over-engine or conventional).....	Conventional cab.
4. Pay-load capacity or gross vehicle weight.....	28,000 lb. G. V. W.
5. Manufacturer.....	Made by Super Motor Co.
6. Make or brand name.....	"Super Truck."
7. Year built and model number.....	1942 model 6-60-M.
8. Engine specifications:	
a. Type of fuel.....	Gasoline fuel.
b. Piston displacement or number of cylinders.....	6 cylinders.
c. Horsepower (maximum net brake horsepower) ..	150 hp.
9. Body specifications:	
a. Type of body.....	Open top dump body, motor operated.
b. Dimensions or capacity.....	7 cu. yd. capacity.
c. Color.....	Black color.
10. Number of axles*.....	2 axles.
11. Number of driving axles*.....	1 driving axle.
12. Type of axle drive and ratio.....	Double reduction 7.84 axle drive.
13. Number of tires.....	6 tires.
14. Wheel base.....	156 in. wheel base.
15. Size and condition of tires.....	11.00 x 20 in. tires, good condition.
16. Type of brake.....	Air brakes.
17. Mileage.....	Mileage approx. 10,000.
18. Describe and list special features other than standard (see par. III-4 of Instructions).	Equipped with snow plow attachments.

*Instead of indicating numbers of axles and driving axles, drives may be expressed by "Total wheels x Driving wheels." For the accompanying example, this would be expressed: "6 wheels x 4 drives."

Unit for Reporting Quantity

Vehicle..... 15 trucks.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 375, 451, 452, 453, 454.

TRACTORS

Does Not Include Truck-Tractors and Industrial Warehouse Type Material Handling Tractors

Type of Tractors Covered

Wheel Type Tractors
Track-Laying Tractors
(Caterpillar Type)
Garden Type Tractors

Motor Tillers
Farm Tractors
Special-Purpose Tractors
All-Purpose Tractors

For Truck-Tractors, see page 46 of this section

For Industrial Warehouse Type Material Handling Tractors, see Sec. IX

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of tractor.....	Tractor.
2. Type of locomotion (wheeled or track-laying).....	Track-laying type.
3. Type of work for which intended.....	General-purpose farm type.
4. Manufacturer.....	Made by Supertrack Co.
5. Make or brand name.....	"Supertrack."
6. Year built and model number.....	1940 Model No. ST6.
7. Horsepower, drawbar and take-off (maximum net brake horsepower rating).....	50-60 hp.
8. Type of fuel.....	Diesel oil fuel.
9. Piston displacement or number of cylinders.....	4 cylinders.
10. For <i>wheel type tractors</i> give:	
a. Type of wheel (rubber tired, steel lugs, etc.).....	.....
b. Number of front wheels.....	.....
c. If rubber tires: size, front and rear.....	.....
d. Condition of rubber tires.....	.....
11. List and describe accessories other than standard (headlights, all weather cab, etc.) See par. III-4 of instructions.	.....

Unit for Reporting Quantity

Tractor..... 10 tractors.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classifications: 371, 372, 373.

TRAILERS, TRAILER CHASSIS, TRAILER BODIES, AND OTHER AUTOMOTIVE BODIES AND CABS

Includes military and special-purpose types but does not include portable house trailers and utility trailers, for which see page 49

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Trailer.
2. Chassis specifications:	
a. Type (semi or full).....	Semitrailer type.
b. Manufacturer.....	Made by Super Trailer Co.
c. Make or brand name.....	"Super Trailer."
d. Year built and model number.....	Model 1941 2AF.
e. Payload capacity (or number of passengers).....	5-ton pay-load capacity.
f. Over-all length.....	24 ft. over-all length.
g. Number of axles and wheels.....	1 axle - 2 wheels.
h. Size and condition of tires.....	9.00 x 20" tires, good condition.
i. Kind of brakes.....	Air brakes.
j. Type and make of fifth wheel.....	Semiautomatic fifth wheel (Smith Co.).
k. Landing gear (jack, vertical, wheeled, shoe, etc.).....	Vertical landing gear.
3. Body specifications:	
a. Body type.....	Closed, van body.
b. Name of manufacturer.....	Made by Super Trailer Co.
c. Material and type of construction.....	Composite construction.
d. Dimensions (indicate inside or outside).....	Outside dimensions: 24' x 8' x 6'4".
e. Color.....	Commercial red color.
4. Describe and list special feature other than standard (see par. III-4 of Instructions).	Double rear door and tail board.

Unit for Reporting Quantity

Trailer, chassis, body, or cab..... 3 trailers.

PORTABLE HOUSE TRAILERS AND UTILITY TRAILERS

Types of Trailers Covered

Portable House Trailers
 Expansible Mobile Houses
 Toilet and Shower Trailers
 Laundry Trailers

Office Trailers
 Clinic Trailers
 Convalescence Trailers
 Community Units

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Trailer.
2. Type and intended use.....	Portable house type.
3. Manufacturer.....	Manufactured by Trailer Mfg. Co.
4. Make or brand name.....	"Star" brand.
5. Year built and model number.....	1943, model QQ-78.
6. Chassis specifications:	Chassis specifications:
a. Payload capacity (number of passengers for trailers).....	2 beds; will sleep 4.
b. Over-all length.....	22 ft. over-all length.
c. Number of axles.....	1 axle.
d. Size and condition of tires.....	7.50 x 16" tires, good condition.
e. Kind of brakes.....	Mechanical brakes.
f. Type of towing connector.....	Coupler to connect with automobile.
g. Landing gear (jack, rollback, wheeled, or shoe).....	Jack and wheeled landing gear.
7. Body specifications:	Body specifications:
a. Body type and intended use.....	Enclosed body, for use as living quarters.
b. Material and type of construction.....	Steel chassis, plywood interior, pressed wood exterior.
c. Dimensions (indicate inside or outside).....	Outside dimensions—22 ft. x 8 ft x 8 ft.
d. Color.....	Green.
e. Built-in equipment (sinks, lavatory, tubs, shower, etc.).....	Built-in stainless steel laundry tub, lavatory, and shower.

Unit for Reporting Quantity

Trailer or house..... 18 trailers.

AUTOMOTIVE AND TRACTOR INTERNAL COMBUSTION ENGINES

Includes motorcycle engines, but does not include engine parts, for which see page 51

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Automobile engine.
2. Engine identity:	
a. Model number or designation.....	Heavy duty model, 44-8.
b. Name of manufacturer.....	Made by Super Motor Co.
c. Part or unit number.....	No. 605477.
3. Engine specifications:	
a. Number of cylinders.....	6 cylinders.
b. Piston displacement.....	235 cu. in. piston displacement.
c. Horsepower (maximum net brake horsepower).....	90 hp.
d. Bore and stroke (inches).....	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ bore and stroke.
e. Type of fuel (diesel, gasoline, etc.).....	Gasoline fuel.
f. Type of cooling (liquid or air).....	Liquid cooled.
4. Vehicle for which designed:	Designed for:
a. Make or brand name.....	"Super car."
b. Year built and model number.....	Model 1941 CR-41.
c. Name of manufacturer.....	Made by Super Motor Co.
<i>Unit for Reporting Quantity</i>	
Engine.....	55 engines.

Products of the type for which this page is used are represented by all or part of the following Standard Commodity Classifications: 374, 455, 457.

**MOTOR VEHICLE AND TRACTOR PARTS, ENGINE PARTS, ASSEMBLIES
AND ACCESSORIES (NOT INCLUDING STORAGE BATTERIES
AND BEARINGS)**

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Ring gear.
2. Part description:	
a. Type.....	.....
b. Dimensions.....	4.7 to 1 ratio.
c. Capacity.....	Capacity, 3 tons.
d. Material.....	Steel.
3. Part identity:	
a. Part number or designation (car manufacturer's).....	Manufacturer's part No. 370693.
b. Name of manufacturer.....	Made by James Mfg. Co.
c. Manufacturer's catalog number.....	Catalog No. 14925.
4. Vehicle designed for:	Designed for:
a. Make or brand name.....	"Super car."
b. Year built and model number.....	Model 1941 CR-41.
c. Name of manufacturer.....	Made by Super Motor Co.

Unit for Reporting Quantity

Piece or assembly..... 300 ring gears.

MOTORCYCLES, MOTORBIKES AND MOTOR SCOOTERS

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Motorcycle.
2. Type (solo, package delivery, etc.).....	Solo type.
3. Manufacturer.....	Made by Natco Cycle Co.
4. Make or brand name.....	"American."
5. Year built and model number.....	Model 1941, 741 B.
6. Number of cylinders.....	2 cylinders.
7. Piston displacement.....	30.07 cu. in. piston displacement.
8. Horsepower (maximum net brake horsepower).....	20 hp.
9. Number of wheels.....	2 wheels.
10. Size and condition of tires.....	4.95 x 15 tires, good condition.
11. Mileage.....	Mileage approx. 5,000.
12. Color.....	Blue Color.
13. Describe and list special features and attachments other than standard.	Equipped with windshield and radio.

Unit for Reporting Quantity

Vehicle..... 100 motorcycles.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 457.

BICYCLES AND BICYCLE PARTS

Does not include motorbikes, for which see page 52

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Bicycle.
2. Type of bicycle (men's, women's, boys', girls').....	Men's type.
3. Wheel diameter.....	28" wheel.
4. Name of manufacturer.....	Made by Valiant Cycle Co.
5. Brand or trade name.....	"Valiant" brand.
6. Model number.....	Model No. 4.
7. Color (for bicycles and frames).....	Red color.
8. Type and size of tires.....	Clincher tires 28" x 1½".
9. Make of coaster brake and number of speeds.....	Zepher coaster brake, 2 speeds.
10. For bicycles, list attachments or accessories:	Equipped with:
a. Mud guards.....	Front and rear mud guards.
b. Battery headlight.....	Battery headlight.
c. Rear mounted reflector.....	Rear reflector.
d. Stand.....	Stand.
e. Horn, bell, or siren.....	.....
f. Bracket or wire basket.....	.....
11. For bicycle parts:	
a. Type and size bicycle for which designed.....	.....
b. Finish (painted, chrome plated, etc.).....	.....

Unit for Reporting Quantity

Bicycle or part..... 300 bicycles.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 491.

WHEELBARROWS, PUSH CARTS, AND HAND CARTS

Type of Products Covered

Cement Barrows
Contractor Barrows
Dollies

Hand Trucks
Push Carts
Etc.

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of product.....	Wheelbarrow.
2. Type or kind.....	Contractor's type.
3. Intended use.....	General purpose.
4. Size or capacity.....	2½ cu. ft. capacity.
5. Number of wheels.....	Single wheel.
6. Material:	
a. Tray or body.....	Steel tray.
b. Frame and handles.....	Wood frame and handles.
c. Wheels and tires.....	Rubber tired steel wheel.
d. Legs.....	Steel legs.
7. Manufacturer.....	Made by Acme Wheel Co.
8. Manufacturer's model or catalog number.....	Catalog No. 1099.

Unit for Reporting Quantity

Wheelbarrow, cart, etc..... 10 wheelbarrows.

Products of the type for which this page is used are represented by all of the following Standard Commodity Classification: 492.

HORSE-DRAWN VEHICLES AND FARM TRAILERS

Type of Vehicles Covered

Buggies	Farm Trailers	Sleighs and Sleds
Business Wagons	Farm Trucks	Sulkies
Carriages	Farm Wagons	Wagon Bodies, etc.
Carts	Lumber and Log Wagons	

<i>Information Needed</i>	<i>Example</i>
1. Descriptive name of vehicle.....	Farm wagon.
2. Type and style (general).....	High-wheel type.
3. Number of horses.....	2-horse drawn.
4. Intended use.....	For hauling farm produce.
5. Body description:	
a. Body type or style.....	Grain-tight box type.
b. Material.....	Wood body.
c. Dimensions or capacity.....	6,000 lb. capacity.
6. Wheel description:	
a. Material.....	Wood wheels.
b. Tires (steel, rubber, grooved rim, etc.).....	Steel tires.
c. Width of tire (size for pneumatics).....	3" wide.
d. Diameter or height of wheels.....	Front wheels, 32" high. Rear wheels, 38" high.
7. Frame description:	
a. Material (axles, bolster and reach).....	Steel axles, bolster and reach.
b. Gauge.....	60" gauge.
c. Bolster size.....	42" bolsters.
8. Manufacturer.....	Made by Greene Wagon Co.
9. Manufacturer's model or figure number.....	Model No. J-45.

Unit for Reporting Quantity

Vehicle or body assembly.....	16 wagons.
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Products of the type for which this page is used are represented by all of the following Standard Commodity Classifications: 493, 494.

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- 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.

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