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Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to other companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

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| Line No. | Materials, parts, and supplies | | Census material code | Consumption of purchased materials and of materials received from other establishments of your company | | | |
|----------|--|---|----------------------------------|--|---------|--|--|
| | | | | Cost, including delivery cost (freight-in) | | | |
| | | | | (E) | | | |
| | (A) | (B) | 574 | Thou- | Dollars | | |
| | | | Millions | sands | | | |
| 1 | FABRICATED METAL PRODUCTS (Except castings and forgings) | Bolts, nuts, rivets, screws, and screw machine products | 345001 2 | \$ | | | |
| 2 | | All other fabricated metal products | 340098 3 | | | | |
| 3 | CASTINGS (Rough and semifinished) | Iron and steel | 332001 7 | | | | |
| 4 | | Nonferrous (aluminum, copper, etc.) | 336010 4 | | | | |
| 5 | Forgings | | 346000 3 | | | | |
| 6 | Shapes and Forms (Except castings and forgings) | STEEL | Bars, bar shapes, and plates | 331007 5 | | | |
| 7 | | | Concrete reinforcing bars | 331009 1 | | | |
| 8 | | | Sheet and strip | 331022 4 | | | |
| 9 | | | Structural shapes | 331071 1 | | | |
| 10 | | | All other steel shapes and forms | 331037 2 | | | |
| 11 | | | Copper and copper-base alloy | 335105 3 | | | |
| 12 | ALUMINUM AND ALUMINUM-BASE ALLOY | Sheet, plate, foil, and welded tubing | 335301 8 | | | | |
| 13 | | Extruded shapes (including extruded rod, bar, pipe, tube, etc.) | 335405 7 | | | | |
| 14 | | All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (wire, rolled rod and bar, powder, ingot, slugs, billet, etc.) | 330008 4 | | | | |
| 15 | All other nonferrous shapes and forms | 335099 8 | | | | | |

CONTINUE WITH ITEM 17 ON PAGE 6

| Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued | | | | | |
|--|--|--|--|----------------|---------|
| Line No. | Materials, parts, and supplies (A) | Census material code (B) | Consumption of purchased materials and of materials received from other establishments of your company | | |
| | | | Cost, including delivery cost (freight-in) (E) | | |
| | | | 574 Millions | Thou- sands | Dollars |
| 16 | Scrap; including iron, steel, aluminum and aluminum-base alloy (excluding home scrap) | 190060 4 | \$ | | |
| 17 | Flat glass (plate, float, and sheet) | 321101 8 | | | |
| 18 | Paperboard containers and corrugated paperboard | 265001 8 | | | |
| 19 | Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products | 285101 2 | | | |
| 20 | Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i> | 970099 8 | | | |
| 21 | TOTAL Sum of lines 1–20 should equal item 10, line a | | \$ | | |

| Item 18A. SELECTED METALWORKING AND RELATED OPERATIONS PERFORMED IN THIS ESTABLISHMENT DURING 1997 | | Census code | Mark (X) appropriate box | |
|---|--|-------------|----------------------------|----------------------------|
| Were any of the operations listed below performed in this establishment in 1997? <i>If "Yes," indicate in column (C) by marking appropriately, which of the specified operations were performed in this establishment during 1997. Where "YES" is marked, show in column (D) the approximate number of production workers on all shifts usually engaged in the specified operation.</i> | | 591 | 592 | |
| | | | Yes | No |
| | | 208 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

| Line No. | Operation (A) | Census code (B) | Was this operation performed in this establishment during 1997? (C) | | Number of production workers (on all shifts) usually employed when operated (estimate if necessary) (D) |
|----------|---|-------------------------------|---|--------------------------|---|
| | | | 591 | 592 | |
| | | | Yes | No | |
| 1 | Electroplating and other plating | 018 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 2 | Galvanizing and other hot dip coating | 026 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 3 | Heat treating of metals for production purposes | 034 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 4 | Precision turned products (on screw machines, turning centers, and CNC equipment) | 042 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 5 | Machine shop | 059 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 6 | Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling | 067 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 7 | Pattern shop (foundry patterns only – metal, wood, etc.) | 075 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 8 | Sheet metal work, aluminum or steel | 083 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 9 | Stamping and blanking of metals | 091 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 10 | Painting, lacquering, and enameling on metals | 109 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 11 | Welding of steel plate for manufacturing production | 117 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |
| 12 | Welding repair shop | 125 | 1 <input type="checkbox"/> | <input type="checkbox"/> | |

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

If quantities are requested, please use the unit of measure specified.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

| Line No. | Products and services (A) | | | Census product code (B) | Products shipped and other receipts | | | | |
|----------|--|--|--------------------------------------|--|-------------------------------------|------------|---------|--|--|
| | | | | | Value, f.o.b. plant (E) | | | | |
| | | | | 581 | 584 | Thou- | Dollars | | |
| | | | | Millions | sands | | | | |
| 1 | Air-Conditioning Ducts and Stove Pipe (34441) | AIR-CONDITIONING DUCTS (Including dust collecting ducts) | Steel | 34441 21 2 | \$ | | | | |
| 2 | | | Aluminum | 34441 23 8 | | | | | |
| 3 | | STOVE PIPE, FURNACE SMOKE PIPE, AND ELBOWS | Steel | 34441 27 9 | | | | | |
| 4 | | | Aluminum | 34441 29 5 | | | | | |
| 5 | CULVERTS, FLUMES, IRRIGATION PIPES, ETC. (34442) | Steel | | 34442 13 7 | | | | | |
| 6 | | Aluminum | | 34442 15 2 | | | | | |
| 7 | | Other metal | | 34442 19 4 | | | | | |
| 8 | BINS AND VATS (34443) | Grain, excluding drying floors, fans, and heaters (steel and aluminum) | | | 34443 14 3 | | | | |
| 9 | | Other, including feed storage bins and sheet metal vats (steel and aluminum) | | | 34443 24 2 | | | | |
| 10 | Metal Roofing and Roof Drainage Equipment (34444) | METAL ROOFING | Steel, all types | | 34444 11 7 | | | | |
| 11 | | | Aluminum and other metals, all types | | 34444 17 4 | | | | |
| 12 | | ROOF DRAINAGE EQUIPMENT (Including eave troughs, etc.) | Steel | | 34444 23 2 | | | | |
| 13 | | | Aluminum | | 34444 29 9 | | | | |
| 14 | | | All other metals | | 34444 31 5 | | | | |
| 15 | Metal Flooring and Siding (34445) | Fabricated metal flooring | | | 34445 05 6 | | | | |
| 16 | | METAL SIDING | Steel | | 34445 16 3 | | | | |
| 17 | | | Aluminum | Residential (including mobile homes) | | 34445 17 1 | | | |
| 18 | | | | Other (commercial, industrial, farm buildings, etc.) | | 34445 18 9 | | | |
| 19 | | | Other metals | | 34445 19 7 | | | | |

CONTINUE WITH ITEM 18B ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

| Line No. | Products and services (A) | | | Census product code (B) | Products shipped and other receipts | | | |
|----------|--|---|--|---------------------------------------|-------------------------------------|-------|----------|-------|
| | | | | | Value, f.o.b. plant (E) | | | |
| | | | | 581 | 584 | Thou- | Millions | sands |
| 20 | Metal Awings, Canopies, Cornices, and Soffits (34447) | AWINGS, CANOPIES, CARPORTS, AND PATIOS | Steel | 34447 21 9 | \$ | | | |
| 21 | | | Aluminum | 34447 25 0 | | | | |
| 22 | | | Cornices, skylights, domes, copings (steel and aluminum) | 34447 31 8 | | | | |
| 23 | | | Soffits, fascia, and shutters (steel and aluminum) | 34447 41 7 | | | | |
| 24 | Electronic Enclosures (34448) | COMPUTER AND PERIPHERAL EQUIPMENT | Steel | 34448 11 8 | | | | |
| 25 | | | Aluminum | 34448 13 4 | | | | |
| 26 | | | Other electronic enclosures (excluding computers; including machine and motor housings, panels, and guards) (steel and aluminum) | 34448 19 1 | | | | |
| 27 | Other Sheet Metal Work (34449) | Roof ventilators | | 34449 31 4 | | | | |
| 28 | | Louvers and dampers for heating, ventilation, and air-conditioning (steel and aluminum) | | 34449 41 3 | | | | |
| 29 | | RESTAURANT AND HOTEL KITCHEN SHEET METAL EQUIPMENT (Table tops, drainboards, etc.) | Steel | 34449 53 8 | | | | |
| 30 | | | Aluminum | 34449 55 3 | | | | |
| 31 | | OTHER SHEET METAL WORK | Steel – <i>Specify kind</i> | | 34449 62 9 | | | |
| 32 | | | Aluminum – <i>Specify kind</i> | | 34449 65 2 | | | |
| 33 | | | Metals except steel and aluminum – <i>Specify kind</i> | | 34449 98 3 | | | |
| 34 | Fabricated iron and steel for buildings, industrial use | | | 34411 41 3 | | | | |
| 35 | Aluminum molding and trim | | | 34423 25 1 | | | | |
| 36 | Weldments and fabricated steel plate, other than pipe, penstocks, tunnel lining, stacks, breeching, and shielding for use in nuclear reactor buildings | | | 34432 99 7 | | | | |
| 37 | Architectural and Ornamental Work (Except curtain wall and other exterior panels) | WARM AIR OR AIR-CONDITIONING GRILLES AND REGISTERS | Iron and steel | 34461 10 3 | | | | |
| 38 | | | Aluminum | 34461 12 9 | | | | |
| 39 | | STAIRS, STAIRCASES, AND FIRE ESCAPES | Iron and steel | 34462 10 1 | | | | |
| 40 | | | Aluminum | 34462 12 7 | | | | |
| 41 | Prefabricated metal building systems, industrial and commercial (excluding farm service buildings, residential buildings, and parts for prefabricated buildings) | | | 34481 15 0 | | | | |
| 42 | CUSTOM ROLL FORMED PRODUCTS (34498) | Carbon steel | | 34498 11 3 | | | | |
| 43 | | Stainless steel | | 34498 13 9 | | | | |
| 44 | | Aluminum | | 34498 15 4 | | | | |
| 45 | | Other metals | | 34498 17 0 | | | | |
| 46 | Receipts for machine shop job work | | | 35995 00 0 | | | | |

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

| Line No. | Products and services (A) | Census product code (B) | Products shipped and other receipts | | |
|-----------|---|---|-------------------------------------|----------------|---------|
| | | | Value, f.o.b. plant (E) | | |
| | | | 584 Millions | Thou- sands | Dollars |
| 47 | ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i> | 18 | \$ | | |
| 48 | | 26 | | | |
| 49 | | 34 | | | |
| 50 | | 42 | | | |
| 51 | | 59 | | | |
| 52 | | 67 | | | |
| 53 | | CONTRACT WORK <i>Receipts for work done for others on their own materials Describe below products worked on and kind of work</i> | 93000 00 8 | | |
| 54 | MISCELLANEOUS RECEIPTS Sales of scrap and refuse | 99980 13 8 | | | |
| 55 | Receipts for research and developmental work | 99980 41 9 | | | |
| 56 | Other miscellaneous receipts (including receipts for repair work, etc.) | 99980 98 9 | | | |
| 57 | RESALES Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b. | 99989 00 6 | | | |
| 58 | TOTAL value of shipments and other receipts Sum of lines 1–57, column (E) | 77000 00 8 | \$ | | |

Items 19–21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

| | | | | | | | |
|--|---|-------------|---|--------|-----------|------|------|
| Name of person to contact regarding this report (<i>Print or type</i>) | | Telephone | Area code | Number | Extension | | |
| 667 | 1 | 2 | | | | | |
| Name of company | | | Address (<i>Number and street, city, State, ZIP Code</i>) | | | | |
| Period covered | | FROM: Month | Day | Year | TO: Month | Day | Year |
| | | 666 | 1 | | 2 | | |
| Signature of authorized person | | | | Title | | Date | |