If not shown, please enter your 11-digit Census File Number from the address label on page 1

## 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 9700998.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 direct 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 the companies doing the contract work should be reported in item 10, line e, and should include freight in and $D$ is other hand, materials owned bvat?rs 0 Hed at this establishment in making al 5 a thers under contrae or on
FORMATETOREPORT HSEATO ans red from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in assembly should be reported in item 17 below. The value of these products shipped by
item 17 not this establishment should be reported in item 18B under Census product code 9998900 6, "Resales."
5. Produced and Consumed - Forgings, foundries, and screw machine products - Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

Materials, parts, and supplies

|  | Consumption of <br> purchased materials <br> and of materials <br> received from other <br> establishments of your <br> Company |
| :---: | :---: |
| material <br> code | Cost, including delivery <br> cost (freight-in) |
|  |  |


|  | FABRICATED |
| :--- | :--- |
| METAL |  |
| PRODUCTS |  |
| PROept |  |
| (Except |  |

2 f

4 CASTINGS (Rough and
semifinished)


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.

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

If not shown, please enter your 11-digit Census File Number from the address label on page 1

## 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 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 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.
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.
3. 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 9998900 6, "Resales."

## 4. Special Instructions -

a. Contract work requested on line 39 covers manufacturing activities performed only on materials owned by others and excludes any machine shop job work or job order repairs.
b. If another company makes products for you from your materials on a contract basis, report the value of these products on lines $1-38$ but not on line 39.
C. Receipts for repair work requested on line 40 covers occasional repairs not done on a factory basis and excludes any machine shop job order repairs.



## If not shown, please enter your 11-digit Census File Number

 from the address label on page 1Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued


Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

## INSTRUCTIONS

1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
2. Purchases or receipts of the items specified below should be reported only in item 17.
3. Materials used to produce the items specified below should be reported in item 17.
4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
5. Report quantities in the unit of measure specified in column (D).

|  | Item <br> (A) |  | Census code | Was this operation performed at this establishment during 1997? <br> (C) |  | Unit of measure for quantities <br> (D) | Quantities produced in this establishment and used in manufacturing other products made in this establishment |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Yes | No | 593 |  |  |
| 1 | Ferrous foundries |  |  | 10017 | $1 \square$ | $2 \square$ | Short tons |  |  |
| 2 | NONFERROUS FOUNDRIES (Except die-casting) | Aluminum | 10025 | $1 \square$ | $2 \square$ | Thousand pounds |  |  |
| 3 |  | Copper | 10033 | $1 \square$ | $2 \square$ |  |  |  |
| 4 |  | Zinc | 10041 | $1 \square$ | $2 \square$ |  |  |  |
| 5 |  | Other | 10058 | $1 \square$ | $2 \square$ |  |  |  |
| 6 | Nonferrous die-casting foundries |  | 10066 | $1 \square$ | $2 \square$ |  |  |  |
| 7 | Precision turned products (on screw machines, turning centers, and CNC equipment) |  | 10074 | $1 \square$ | $2 \square$ |  |  |  |

Items 20 and 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 (Print or type)  <br> 667 1 |  |  |  |  |  | Telephone | $$ | Number |  | Extension |
| Name of company |  |  |  |  | Address (Number and street, city, State, ZIP Code) |  |  |  |  |  |
|  | $$ | Month | $\begin{aligned} & \text { Day } \\ & \hline \end{aligned}$ | ! |  | $$ |  | $\begin{aligned} & \text { Day } \\ & \hline \end{aligned}$ |  | Year |
| Signature of authorized person |  |  |  | Title |  |  |  |  | Date |  |

