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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

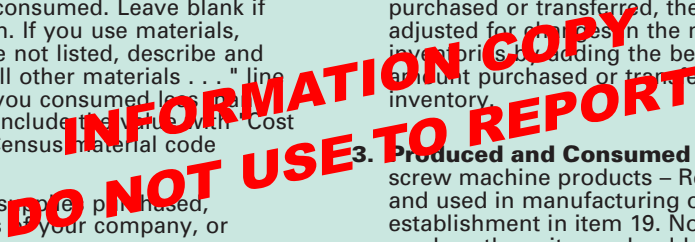
Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

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. 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.

**4. 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 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.

**5. 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."



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
1	FABRICATED METAL PRODUCTS (Except forgings)	Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2	\$		
2		All other fabricated metal products, except fluid power products	340078 5			
3		Forgings	346000 3			
4	CASTINGS (Rough and semifinished)	Iron and steel	332001 7			
5		Aluminum and aluminum-base alloy	336005 4			
6		Other nonferrous	336003 9			
7	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL				
8		Bars, bar shapes, and plates	331007 5			
9		All other	331087 7			
		Nonferrous	336002 1			
10		Insulated copper wire and cable (except magnet wire)	335792 8			
11		Magnet wire	335770 4			
12		Electric motors and generators	362100 0			
13		Storage batteries	369101 1			
14		Ball and roller bearings, mounted and unmounted	356200 6			
15		Speed changers, gears, and industrial high-speed drives	356601 5			

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**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued**

Line No.	Materials, parts, and supplies  <b>(A)</b>	Census material code  571 <b>(B)</b>	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) <b>(E)</b>		
			574 Millions	Thou- sands	Dollars
16	Fabricated plastics products (except gaskets)	308006 6	\$		
17	Paperboard containers, boxes, and corrugated paperboard	265001 8			
18	Packaging paper and plastics film, coated and laminated	267101 4			
19	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			
20	<b>TOTAL</b> Sum of lines 1–19 should equal item 10, line a		\$		

**Item 18A – Not applicable to this report**

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

**INSTRUCTIONS**

- 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.
- 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.
- 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.
- 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."
- Detailed Data Reported Elsewhere** – Items denoted by an asterisk (\*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form.  
**NOTE:** Only CIR totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services  <b>(A)</b>	Census product code  581 <b>(B)</b>	Products shipped and other receipts		
			Value, f.o.b. plant <b>(E)</b>		
			584 Millions	Thou- sands	Dollars
1	<b>Power-Driven Handtools, Battery-Powered (Cordless) (35464)</b> Screwdrivers (without 3-jaw chuck)	35464 01 5	\$		
2		35464 05 6			
3		35464 06 4			
4		35464 18 9			
5		35464 20 7			
6		35464 21 3			

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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)				
				581	584	Thou-	Dollars		
				Millions	sands				
7	<b>Power-Driven Handtools, Electric (Excluding battery-powered) (35465)</b>	Drills		35465 10 3	\$				
8		Screwdrivers and nut-runners		35465 22 8					
9		Hammers, percussion and rotary, without drill chuck		35465 21 0					
10		Hammers – drills, with a drill chuck		35465 23 6					
11		Impact wrenches		35465 25 1					
12		Shears and nibblers		35465 28 5					
13		Planers		35465 31 9					
14		ROUTERS							
			Less than 1/2 inch collet size (maximum collet capacity)		35465 41 8				
15			1/2 inch collet size (maximum collet capacity) or more		35465 43 4				
16		POLISHERS, CIRCULAR SANDERS, AND GRINDERS (Except bench grinders)	Right angle polishers, circular sanders, and grinders	Less than 7 inch (177.80 mm) wheel drive	35465 24 4				
17				7 inch (177.80 mm) wheel drive or more	35465 27 7				
18				All other polishers, circular sanders, and grinders (including die grinders, but excluding bench)		35465 29 3			
19		SANDERS (Except circular)	Belt		35465 33 5				
20			Oscillating, reciprocating, vibrating, and random orbit		35465 38 4				
21		SAWS – CIRCULAR	Armature mounted primarily on sleeve bearings		35465 12 9				
22			Armature mounted primarily on other than sleeve bearings	7 inch (177.80 mm) blade or less		35465 15 2			
23				More than 7 inch (177.80 mm) to less than 8 inch (203.20 mm) blade		35465 16 0			
24				8 inch (203.20 mm) blade or more		35465 17 8			
25		SAWS – JIG AND SABER	Armature mounted on ball bearings		35465 11 1				
26			Armature mounted on other than ball bearings		35465 13 7				
27		Reciprocating saws		35465 14 5					
28		Chain saws		35465 37 6					
29		Other electric-powered handtools – <i>Specify kind</i>		35465 39 2					
30		Parts, attachments, and accessories for electric-powered handtools (sold separately) (excluding saw blades, drill bits, router bits, screwdrivers, motors, and switches)		35465 36 8					

CONTINUE WITH ITEM 18B ON PAGE 8

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

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code	Products shipped and other receipts			
				Value, f.o.b. plant (E)			
				581	584		
(A)		(B)	Millions	Thou- sands	Dollars		
31	<b>Power-Driven Handtools, Pneumatic, Hydraulic, and Powder-Actuated (35462)</b>	PNEUMATIC	Drills, screwdrivers, and nut-runners	35462 38 1	\$		
32			Percussion tools (such as runners, riveters, chippers, scalers)	35462 37 3			
33			Impact wrenches	35462 41 5			
34			Grinders, polishers, and sanders	Rotary	35462 42 3		
35				Other	35462 44 9		
36			Staplers	35462 45 6			
37			Nailers	35462 48 0			
38			Other pneumatic-powered handtools – <i>Specify kind</i>				
39				35462 49 8			
39			Parts, attachments, and accessories for pneumatic-powered handtools (sold separately) (excluding drill bits, router bits, screwdrivers, etc.)	35462 51 4			
40			Hydraulic-powered handtools	35462 73 8			
41			Parts, attachments, and accessories for hydraulic handtools	35462 78 7			
42			Powder-actuated handtools and parts	35462 62 1			
43			<b>POWER-DRIVEN HANDTOOLS, ENGINE (Internal combustion) DRIVEN (35463)</b>		Chain saws	35463 01 7	
44	Other (including cut-off saws and drills) – <i>Specify kind</i>						
45	Parts, attachments, and accessories for internal combustion engine-driven chain saws	35463 11 6					
46	Parts, attachments, and accessories for internal combustion engine-driven tools, n.e.c.	35463 17 3					
47			35463 18 1				
47	Mechanics' hand service tools (not powered) (including pliers, ball peen hammers, wrenches, screwdrivers, etc.)			34231 00 1			
48	Countersink, drill, and router bits for woodcutting			34235 31 7			
49	<b>Power Saw Blades – Woodworking (Including chain saw blades)</b>	CIRCULAR	Solid tooth	34250 11 8			
50			Inserted tooth	34250 13 4			
51			Teeth for inserted saws, sold separately	34250 18 3			
52			All other woodworking power saw blades (scroll, jig, etc.) (excluding circular and band)	34250 19 1			
53			Metalworking circular power saw blades (including metal teeth and cutting segments, sold separately)	34250 31 6			
54	Consumer nonriding lawn, garden, and snow equipment (including powered lawn edgers/trimmers, powered hedge trimmers, etc.) (corresponds to the sum of survey item codes 8202–8265 as reported on CIR Form MA35A, Farm Machinery and Lawn and Garden Equipment, for 1997) <b>(35241)*</b>			35241 00 9			
55	Parts and attachments for consumer lawn, garden, and snow equipment (corresponds to the sum of survey item codes 8267–8268 and 8311–8335 as reported on CIR Form MA35A, Farm Machinery and Lawn and Garden Equipment, for 1997) <b>(35246)*</b>			35246 00 8			

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

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
			581	(B)	584	Millions
<b>56</b>	<b>Hoists (35363)</b>	HAND HOISTS				
		Chain	35363 01 9	\$		
<b>57</b>		Ratchet lever	35363 02 7			
<b>58</b>		Wire rope pullers	35363 03 5			
<b>59</b>		CHAIN HOISTS, EXCEPT HAND	Electric (roller and link)	35363 13 4		
<b>60</b>			Air or other nonelectric	35363 32 4		
<b>61</b>		WIRE ROPE HOISTS, EXCEPT HAND	Electric (excluding mine shaft and slope wire rope hoists)	35363 16 7		
<b>62</b>			Other hoists, powered by electric motor	35363 14 2		
<b>63</b>			Air or other nonelectric (excluding mine shaft and slope wire rope hoists)	35363 34 1		
<b>64</b>		Other hoists not powered by electric motor	35363 38 1			
<b>65</b>		Parts and attachments for hoists (sold separately)	35363 45 6			
<b>66</b>		MACHINE TOOLS DESIGNED PRIMARILY FOR HOME WORKSHOPS, LABORATORIES, GARAGES, ETC. (Metalworking and primarily metalworking only) (35418)	Drilling machines	35418 11 0		
<b>67</b>			Grinding and polishing machines (including crankshaft regrinding and valve grinding machines)	35418 31 8		
<b>68</b>			Lathes	35418 51 6		
<b>69</b>			Sawing and cut-off machines	35418 71 4		
<b>70</b>	Other metalworking (or primarily metalworking) types (including automotive cylinder reboring machines) – <i>Specify kind</i>		35418 91 2			
<b>71</b>	WOOD-WORKING MACHINERY DESIGNED PRIMARILY FOR HOME WORKSHOPS, GARAGES, AND SERVICE SHOPS (Excluding chain saws and other power-driven handtools) (35534)	Saws (including circular and band saws) (excluding chain saws)	35534 12 2			
<b>72</b>		Planing, milling, or molding (by cutting) machines for home workshops, etc.	35534 15 5			
<b>73</b>		Grinding, sanding, or polishing machines for home workshops, etc.	35534 17 1			
<b>74</b>		Drilling or morticing machines for home workshops, etc.	35534 19 7			
<b>75</b>		Other woodworking machines for home workshops, etc. (except power-driven handtools)	35534 21 3			
<b>76</b>		Parts, attachments, and accessories for wordworking machinery designed primarily for home workshops, etc., (sold separately) (except parts for power-driven handtools; excluding saw blades and cutting tools)	35534 11 4			
<b>77</b>	Fractional horsepower motors (rated at less than 746 watts), excluding hermetics (Corresponds to the value reported on MA36H for 1997. For item codes, see paragraph 4 "Comparability," of CIR instruction manual.) (36211)*		36211 00 1			
<b>78</b>	Hand-type household vacuum cleaners		36350 11 4			
<b>79</b>	Attachments and cleaning tools for household vacuum cleaners		36350 51 0			
<b>80</b>	Parts for household vacuum cleaners		36350 71 8			

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

Line No.	Products and services  <b>(A)</b>		Census product code  <b>(B)</b>	Products shipped and other receipts		
				Value, f.o.b. plant <b>(E)</b>		
				584 Millions	Thou- sands	Dollars
<b>81</b>	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.</i>	18	\$		
<b>82</b>			26			
<b>83</b>			34			
<b>84</b>	CONTRACT WORK	Receipts for work done for others on their own materials . . . . . <i>Describe below products worked on and kind of work.</i>	93000 00 8			
<b>85</b>	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8			
<b>86</b>		Receipts for repair work	99980 61 7			
<b>87</b>		Other miscellaneous receipts	99980 98 9			
<b>88</b>	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			
<b>89</b>	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1 – 88, column (E)		77000 00 8	\$		

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

**INSTRUCTIONS**

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

Line No.	Item  <b>(A)</b>	Census code  <b>(B)</b>	Was this operation performed at this establishment during 1997? <b>(C)</b>		Unit of measure for quantities  <b>(D)</b>	Quantities produced in this establishment and used in manufacturing other products made in this establishment	
			592 Yes	No		593 <b>(E)</b>	
			<b>1</b>	Ferrous foundries		1001 7	1 <input type="checkbox"/>
<b>2</b>	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds	
<b>3</b>		Copper	1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
<b>4</b>		Zinc	1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
<b>5</b>		Other	1005 8	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
<b>6</b>	Nonferrous die-casting foundries	1006 6	1 <input type="checkbox"/>	2 <input type="checkbox"/>			
<b>7</b>	Precision turned products (on screw machines, turning centers and CNC equipment)	1007 4	1 <input type="checkbox"/>	2 <input type="checkbox"/>			

**Items 20 and 21 – Not applicable to this report**

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**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> )			
<b>Period covered</b>	FROM: Month	Day	Year	TO: Month	Day	Year	
	666	1		2			
Signature of authorized person			Title			Date	