

Steel Mill Products: 2004

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SUMMARY OF FINDINGS

In 2004, steel mill product manufacturers had shipments of \$70.7 billion, which increased 38.0 percent from \$51.2 billion in 2003. Steel ingot and semifinished shapes shipments

increased 42.9 percent, from \$3.5 billion in 2003 to \$5.0 billion in 2004. Hot-rolled sheet and strip, including tin mill products shipments increased 36.4 percent, from \$17.3 billion in 2003 to 23.5 billion in 2004. Hot-rolled bars and shapes, plates, structural shapes, and piling shipments increased 53.7 percent to \$14.9 billion in 2004, from \$9.7 billion in 2003. Steel pipe and tube increased 35.2 percent, from \$7.0 billion in 2003 to \$9.5 billion in shipments in 2004. Cold-rolled steel sheet and strip shipments increased to \$11.8 billion in 2004, from \$9.3 billion in 2003, a 27.1-percent increase. Cold-finished steel bars and bar shapes shipments increased 42.3 percent to \$2.0 billion in 2004, from \$1.4 billion in 2003. Steel wire shipments increased 39.0 percent to \$2.2 billion in 2004, from \$1.6 billion in 2003. All other steel mill product shipments were \$1.3 billion in 2004, an increase of 14.4 percent from \$1.1 billion in 2003.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Madelyn Nieves, 301-763-4767.
For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-763-4673.

Table 1. Value of Shipments of Steel Mill Products by Class of Products: 2004 and 2003
[Value in thousands of dollars]

Product class code	Product description	2004		2003
	Total.....	70,742,706	r/	51,245,219
3311113	Steel ingot and semifinished shapes.....	5,026,209		3,518,147
3311115	Hot-rolled sheet and strip, including tin mill products.....	23,545,857	r/	17,258,322
3311117	Hot-rolled bars and shapes, plates, structural shapes, and piling.....	14,901,152		9,695,662
331111L	Other steel mill products (except wire products).....	499,454		363,013
3312100	Steel pipe and tube.....	9,451,166		6,989,863
3312211	Cold-rolled steel sheet and strip.....	11,838,363	r/	9,316,773
3312213	Cold-finished steel bars and bar shapes.....	2,037,950	r/	1,431,855
3312221	Noninsulated ferrous wire rope, cable, and strand.....	571,894	r/	471,517
3312223	Steel nails, staples, tacks, spikes, and brads.....	150,754	r/	200,768
3312225	Steel wire, including galvanized wire and other coated wire.....	2,177,999		1,566,557
3312227	Steel fencing and fence gates.....	142,487	r/	123,884
3312229	Ferrous wire cloth and other ferrous woven wire products.....	111,240		81,548
331222B	Other fabricated ferrous wire products (except springs).....	288,181	r/	227,310

r/Revised by 5 percent or more from previously published data.

Table 2. Production of Raw Steel: 2004 and 2003
[Thousands of metric tons]

Product description		2004	2003
Total.....	a/	78,510	72,364
By grade of steel:			
Carbon.....	a/	69,220	64,474
Alloy.....	a/	7,454	r/ 6,411
Stainless.....	a/	1,837	r/ 1,479
By type of furnace:			
Electric.....	a/	39,793	37,092
Basic oxygen, open hearth, and other types of furnaces.....		38,717	r/ 35,272

r/Revised by 5 percent or more from previously published data.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2004
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consumed in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
	Steel.....	(NA)	23,004,175	4,950,005	101,785,964	70,742,706	83,731,794
	Carbon steel.....	223	21,854,715	4,743,733	a/ 92,460,554	a/ 57,735,984	75,349,572
3311113110	Ingots.....	4	-	(D)	(D)	(D)	(D)
	Semifinished products:						
3311113140	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp.....	23	(D)	(D)	a/ 2,669,472	a/ 1,052,484	1,808,045
3311113190	Wire rods.....	59	(D)	(D)	2,937,281	1,708,694	1,417,274
3311113150	Slabs.....	7	(D)	358,937	1,006,999	571,133	(D)
	Finished products:						
3311117110	Plates, cut lengths.....	15	139,784	66,366	3,699,242	2,263,745	3,625,824
3311117120	Plates, in coils.....	7	(S)	469	1,153,123	702,407	1,146,967
	Sheet:						
3311115110	Hot rolled, including hot-rolled bands.....	61	(D)	(D)	(D)	(D)	8,611,056
3312211110	Cold rolled.....	32	(D)	251,537	(D)	(D)	9,717,309
	Sheet and strip:						
	Galvanized:						
3311115120	Hot dipped.....	18	(D)	4,250	(D)	(D)	9,349,265
3311115130	Electrolytic.....	8	(D)	67	(D)	(D)	2,411,426
3311115140	Electrical.....	2	(D)	-	(D)	(D)	(D)
3311115150	All other metallic coated, including long ternes.....	5	(D)	(D)	871,903	670,391	866,003
	Strip:						
3311115160	Hot rolled.....	14	b/ 759,622	(S)	(D)	(D)	2,224,219
3312211120	Cold rolled.....	20	(D)	c/ 30,953	(D)	(D)	1,342,737
	Tin mill products:						
33111151C0	Black plate.....	5	(D)	-	(D)	(D)	168,834
33111151D0	Electrolytic and hot dipped tin plate.....	5	(D)	-	(D)	(D)	(D)
33111151E0	Tin free steel.....	4	(D)	-	310,015	219,450	(D)
33111151F0	All other tin mill products, including short ternes and foil.....	2	-	-	(D)	(D)	(D)
	Structural shapes (heavy):						
3311117130	Wide flange.....	5	3,628	(D)	(D)	(D)	(D)
3311117140	Standard.....	8	(D)	(D)	a/ 1,211,111	a/ 691,717	(D)
33111171E0	Sheet piling and bearing piles.....	3	-	-	(D)	(D)	(D)
	Bars:						
3311117190	Hot rolled (except concrete reinforcing).....	20	(D)	(D)	a/ 6,321,384	a/ 3,072,098	5,734,318
33111171A0	Light structurals (under 3 inches).....	9	(D)	(D)	a/ 1,778,811	859,407	(D)
33111171B0	Concrete reinforcing bars.....	15	(D)	84	b/ 7,404,299	a/ 3,085,081	(D)
3312213110	Cold-finished bars.....	28	(D)	260	a/ 1,512,917	1,287,622	1,439,070
	Rails, wheels, and track accessories:						
	Rails:						
3311111110	Standard tee (over 60 lbs. per yard).....	2	(D)	-	(D)	(D)	(D)
3311111120	All other rails, including light (60 lbs. per yard and under).....	1	-	-	(D)	(D)	(D)
3311111130	Joint bars.....	1	-	-	(D)	(D)	(D)
3311111140	Tie plates.....	2	-	-	(D)	(D)	(D)
3311111150	Wheels (rolled and forged).....	1	-	-	(D)	(D)	(D)
3311111160	Axles (rolled and forged).....	1	-	-	(D)	(D)	(D)
3311111170	Track spikes.....	2	-	-	(D)	(D)	(D)
	Pipe and tubes:						
	Line pipe:						
3312100110	16 inches outside diameter and under.....	13	(D)	-	664,543	573,105	(D)
3312100120	Over 16 inches outside diameter.....	4	16	-	181,696	135,042	181,680
3312100130	Oil country goods.....	10	(D)	-	b/ 1,132,071	b/ 981,393	(D)
	Pressure tubing						
3312100150	Seamless.....	7	(D)	-	(D)	(D)	45,042
3312100160	Welded.....	11	216	-	(D)	(D)	254,109
	Mechanical tubing						
33121001A0	Seamless.....	9	b/ 49	15	101,141	122,188	101,107
33121001B0	Welded.....	50	252,763	(S)	(D)	(D)	2,133,230
33121001F0	Structurals.....	20	1,903	48,759	1,170,893	a/ 1,162,855	1,217,749
33121001G0	Miscellaneous, including standard pipe.....	23	1,766	76	1,278,270	1,182,180	1,276,580
	Wire:						
	Plain wire:						
3312225110	Flat wire.....	5	(S)	-	(D)	(D)	2,666
	Round wire						
	Thermally treated						
3312225120	Under 1.5 mm in diameter.....	11	127	-	(D)	(D)	(D)
3312225130	1.5 mm or above in diameter.....	17	37,587	35,763	(D)	(D)	167,181
	Other round wire						
3312225140	Under 1.5 mm in diameter.....	11	8,614	(D)	(D)	201,026	206,987
3312225150	1.5 mm or above in diameter.....	26	(D)	c/ 45,152	(D)	b/ 788,866	1,141,305
3312225160	Other shape wire.....	6	(D)	53	(D)	(D)	226,875
	Plated or coated with zinc:						
	Round wire:						
3312225170	Under 1.5 mm in diameter.....	11	5,502	5,068	a/ 28,638	a/ 25,896	28,205
3312225180	1.5 mm or above in diameter.....	15	b/ 58,638	(D)	(D)	(D)	230,130
3312225190	Other shape wire, including flat.....	6	(S)	-	84,032	76,247	43,652
	Other coated wire:						
33122251A0	Flat wire.....	1	-	-	(D)	(D)	(D)
33122251B0	Round wire.....	13	(S)	(S)	117,298	132,021	116,407
33122251C0	Other shape wire.....	5	-	-	52,460	42,827	52,461
	Wire products:						
3312221101	Rope and cable.....	10	164	(D)	(D)	(D)	128,280

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2004
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consumed in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
3312221201	Wire forms and strand.....	4	-	-	(D)	(D)	(D)
3312223100	Nails, staples, tacks, spikes and brads.....	9	-	-	(D)	150,754	92,821
3312227100	Fencing and fence gates.....	6	(S)	(S)	133,705	142,487	133,705
	Woven wire products:						
3312229110	Netting.....	4	-	-	(D)	(D)	(D)
3312229112	Other.....	1	-	-	(D)	(D)	(D)
3312228100	All other wire products.....	6	10,170	10,170	b/ 384,560	a/ 288,181	384,560
	Alloy steel.....	59	a/ 429,493	b/ 152,246	a/ 6,968,516	a/ 6,268,166	6,691,269
3311113120	Ingots.....	10	(D)	c/ 55,700	(D)	(D)	352,698
	Semifinished products:						
3311113160	Blooms, billets, sheet bars, rounds, and skelp.....	10	a/ 166,986	b/ 1,033	a/ 588,271	449,025	422,318
33111131A0	Wire rods.....	9	(D)	3,992	(D)	(D)	(S)
3311113170	Slabs.....	4	47,237	-	15,035	4,695	(S)
	Finished products:						
3311117150	Plates, cut lengths.....	7	(D)	-	(D)	(D)	410,128
3311117160	Plates, in coils.....	3	-	-	(D)	(D)	(D)
3311117170	Structural shapes (3 inches and under).....	3	13,528	-	(D)	(D)	(D)
	Sheet:						
3311115170	Hot rolled.....	5	b/ 15,601	37	831,521	438,772	815,957
3312211130	Cold rolled.....	5	(D)	-	(D)	(D)	458,472
	Sheet and strip:						
	Galvanized:						
3311115180	Hot dipped.....	4	-	-	(D)	(D)	(D)
3311115190	All other metallic coated, including eletrolytic.....	4	21	-	(D)	(D)	(D)
	Strip:						
33111151A0	Hot rolled.....	4	14,896	(D)	-	-	(D)
3312211140	Cold rolled.....	11	(D)	-	350,570	583,956	(D)
	Bars:						
33111171C0	Hot rolled, including structural shapes under 3 inches.....	11	(D)	(D)	(D)	(D)	2,040,676
3312213120	Cold finished.....	17	(D)	(D)	(D)	(D)	337,077
	Tool steel:						
33111171F0	High speed.....	9	(D)	(D)	17,002	(D)	13,495
33111171G0	Other than high speed.....	8	(D)	(D)	b/ 25,710	110,515	(D)
	Pipe and tubes:						
3312100140	Oil country goods and line pipe.....	6	(D)	-	(D)	(D)	(D)
3312100170	Pressure tubing.....	2	-	-	(D)	(D)	(D)
33121001C0	Mechanical tubing.....	7	150	(D)	264,255	422,339	(D)
33121001H0	Miscellaneous, including standard and structural.....	1	-	-	(D)	(D)	(D)
33122251D0	Wire (plain and coated).....	8	1,244	-	42,248	101,462	41,004
	Stainless steel.....	71	719,966	54,026	2,356,894	6,738,556	1,690,953
3311113130	Ingots.....	7	c/ 37,891	-	(D)	(D)	(D)
	Semifinished products:						
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	10	(D)	(D)	(D)	(D)	473,397
33111131B0	Wire rods.....	8	(D)	4,004	(D)	(D)	4,533
	Finished products:						
3311117180	Plates and structurals.....	6	(D)	(D)	b/ 106,497	368,300	96,286
	Sheet and strip:						
33111151B0	Hot rolled.....	11	(D)	(D)	128,900	419,512	(S)
3312211150	Cold rolled.....	25	(D)	(D)	1,333,486	3,564,077	1,147,131
	Bars:						
33111171D0	Hot rolled.....	7	970	-	(D)	(D)	(D)
3312213130	Cold finished.....	8	(D)	(D)	72,210	315,481	70,405
	Pipe and tubes:						
	Pressure tubing:						
3312100180	Seamless.....	5	(D)	(D)	3,106	41,745	2,902
3312100190	Welded.....	10	88	-	(D)	(D)	(D)
	Mechanical tubing						
33121001D0	Seamless.....	6	b/ 1,106	-	1,893	c/ 47,212	787
33121001E0	Welded.....	11	(D)	(D)	(D)	(D)	69,324
33121001J0	Other pipe and tubes.....	6	(D)	-	24,354	a/ 96,280	(D)
	Wire:						
	Round wire:						
33122251E0	Under 0.75 mm in diameter.....	9	(D)	(D)	(D)	91,639	13,362
33122251F0	0.75 mm to under 1.5 mm in diameter.....	8	(D)	(D)	(D)	(D)	3,290
33122251G0	1.5 mm and above in diameter.....	15	(D)	(D)	(D)	(D)	16,370
33122251H0	Other shape wire, including flat wire.....	11	(D)	(D)	(D)	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards

1/Product codes in product class 3312225 also include products in the 3311119 product class; same applies for product classes 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 2004 are as follows: total, 6,029,775 metric tons; carbon, 5,469,902 metric tons; alloy, 398,541 metric tons; stainless, 153,147 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments plus steel consumed in producing plants.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding. Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2003
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consumed in producing plants (quantity)	Total shipments			
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)	
	Steel.....	(NA)	r/ 21,168,701	r/ 4,682,170	97,189,053	r/ 51,245,219	r/ 80,702,521	
	Carbon steel.....	228	r/ 20,043,542	r/ 4,472,354	88,148,431	41,342,016	r/ 72,577,243	
3311113110	Ingots.....	5	-	(D)	(D)	(D)	(D)	
	Semifinished products:							
3311113140	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp.....	22	(D)	(D)	2,560,746	796,710	1,863,409	
3311113190	Wire rods.....	61	(D)	(D)	3,299,543	1,215,624	1,963,054	
3311113150	Slabs.....	9	3,307,353	534,870	r/ 1,435,096	368,452	(S)	
	Finished products:							
3311117110	Plates, cut lengths.....	16	228,934	15,223	2,853,841	1,143,731	r/ 2,640,132	
3311117120	Plates, in coils.....	6	(S)	316	471,094	154,080	r/ 466,935	
	Sheet:							
3311115110	Hot rolled, including hot-rolled bands.....	61	(D)	(D)	(D)	(D)	r/ 9,958,952	
3312211110	Cold rolled.....	31	(D)	225,358	(D)	(D)	r/ 9,765,483	
	Sheet and strip:							
	Galvanized:							
3311115120	Hot dipped.....	18	496,482	(D)	(D)	(D)	8,870,206	
3311115130	Electrolytic.....	7	25,274	(D)	(D)	(D)	r/ 2,394,031	
3311115140	Electrical.....	2	(D)	-	(D)	(D)	(D)	
3311115150	All other metallic coated, including long ternes.....	5	9,558	(D)	(D)	(D)	950,843	
	Strip:							
3311115160	Hot rolled.....	15	r/ 704,458	(D)	(D)	(D)	1,674,095	
3312211120	Cold rolled.....	22	(D)	a/r/ 24,646	(D)	(D)	r/ 1,281,456	
	Tin mill products:							
33111151C0	Black plate.....	6	21,366	5,037	240,421	122,858	224,092	
33111151D0	Electrolytic and hot dipped tin plate.....	5	(D)	-	2,060,542	1,357,433	(D)	
33111151E0	Tin free steel.....	4	(D)	-	443,410	286,253	(D)	
33111151F0	All other tin mill products, including short ternes and foil.....	2	-	-	(D)	(D)	(D)	
	Structural shapes (heavy):							
3311117130	Wide flange.....	5	4,384	4,316	(D)	(D)	(D)	
3311117140	Standard.....	8	(D)	258	1,121,159	453,733	(D)	
33111171E0	Sheet piling and bearing piles.....	3	-	-	(D)	(D)	(D)	
	Bars:							
3311117190	Hot rolled (except concrete reinforcing).....	21	(D)	(D)	5,066,931	2,064,520	r/ 4,544,411	
33111171A0	Light structurals (under 3 inches).....	8	17,510	(D)	1,408,853	499,170	(D)	
33111171B0	Concrete reinforcing bars.....	16	(D)	28	7,055,889	2,218,840	(D)	
3312213110	Cold-finished bars.....	28	69,791	377	1,089,258	803,155	r/ 1,019,844	
	Rails, wheels, and track accessories:							
	Rails:							
331111L110	Standard tee (over 60 lbs. per yard).....	2	(D)	-	(D)	(D)	(D)	
331111L120	All other rails, including light (60 lbs. per yard and under).....	1	-	-	(D)	(D)	(D)	
331111L130	Joint bars.....	1	-	-	(D)	(D)	(D)	
331111L140	Tie plates.....	2	-	-	(D)	(D)	(D)	
331111L150	Wheels (rolled and forged).....	1	-	-	(D)	(D)	(D)	
331111L160	Axles (rolled and forged).....	1	-	-	(D)	(D)	(D)	
331111L170	Track spikes.....	2	-	-	(D)	(D)	(D)	
	Pipe and tubes:							
	Line pipe:							
3312100110	16 inches outside diameter and under.....	13	8,615	45	704,604	416,800	696,034	
3312100120	Over 16 inches outside diameter.....	2	-	(D)	(D)	(D)	(D)	
3312100130	Oil country goods.....	11	53,489	-	1,045,176	644,749	991,687	
	Pressure tubing:							
3312100150	Seamless.....	7	(D)	-	(D)	(D)	31,571	
3312100160	Welded.....	10	-	-	(D)	(D)	(D)	
	Mechanical tubing:							
33121001A0	Seamless.....	9	39	-	74,562	75,905	74,523	
33121001B0	Welded.....	49	241,056	(D)	(D)	(D)	1,756,132	
33121001F0	Structurals.....	22	2,613	b/ 48,983	1,190,797	703,365	r/ 1,237,168	
33121001G0	Miscellaneous, including standard pipe.....	25	1,266	73	1,371,979	1,059,751	1,370,787	
	Wire:							
	Plain wire:							
3312225110	Flat wire.....	5	(D)	-	(D)	(D)	r/ 3,324	
	Round wire:							
	Thermally treated:							
3312225120	Under 1.5 mm in diameter.....	12	(D)	-	(D)	(D)	58,004	
3312225130	1.5 mm or above in diameter.....	19	(D)	33,433	(D)	(D)	r/ 131,250	
	Other round wire:							
3312225140	Under 1.5 mm in diameter.....	12	7,909	(D)	(D)	168,746	203,610	
3312225150	1.5 mm or above in diameter.....	29	(D)	27,395	(D)	(D)	980,804	
3312225160	Other shape wire.....	7	a/ 21	-	(D)	(D)	223,447	
	Plated or coated with zinc:							
	Round wire:							
3312225170	Under 1.5 mm in diameter.....	11	(D)	(D)	b/r/ 25,360	b/r/ 22,388	r/ 24,978	
3312225180	1.5 mm or above in diameter.....	18	c/ 46,501	(D)	(D)	(D)	r/ 162,289	
3312225190	Other shape wire, including flat.....	6	(S)	-	79,945	a/ 50,779	45,358	
	Other coated wire:							
33122251A0	Flat wire.....	1	-	-	(D)	(D)	(D)	
33122251B0	Round wire.....	13	(D)	(D)	r/ 119,839	a/r/ 105,128	r/ 118,324	
33122251C0	Other shape wire.....	5	-	-	60,628	32,296	60,629	
	Wire products:							
3312221101	Rope and cable.....	11	(D)	5,135	(D)	(D)	r/ 153,304	
3312221201	Wire forms and strand.....	5	-	-	(D)	(D)	(D)	

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2003
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consumed in producing plants (quantity)		Total shipments		Value f.o.b. plant	Net shipments 4/ (quantity)	
						Quantity				
3312223100	Nails, staples, tacks, spikes and brads.....	11	-	-		(D)	b/r/	200,768	(D)	
3312227100	Fencing and fence gates.....	7	(S)	(S)	r/	148,701	r/	123,884	148,701	
	Woven wire products:									
3312229110	Netting.....	4	-	-		(D)		(D)	(D)	
3312229112	Other.....	1	-	-		(D)		(D)	(D)	
331222B100	All other wire products.....	7	(D)	(D)	a/r/	396,382	a/r/	227,310	396,383	
	Alloy steel.....	63	(D)	(D)		6,841,061		4,851,932	6,478,439	
3311113120	Ingots.....	11	(S)	c/	(D)	(D)		196,880	328,248	
	Semifinished products:									
3311113160	Blooms, billets, sheet bars, rounds, and skelp.....	14	279,976	b/	1,182	c/r/	551,151	b/r/	364,151	
33111131A0	Wire rods.....	9	(D)	(D)		1,430		12,366	(S)	
3311113170	Slabs.....	2	(D)	-	(D)			(D)	(S)	
	Finished products:									
3311117150	Plates, cut lengths.....	8	425	(D)		(D)		(D)	544,940	
3311117160	Plates, in coils.....	3	-	-		(D)		(D)	(D)	
3311117170	Structural shapes (3 inches and under).....	3	25,116	-		(D)		(D)	(D)	
	Sheet:									
3311115170	Hot rolled.....	4	(S)	-		730,845		259,795	725,044	
3312211130	Cold rolled.....	5	679	-		(D)		(D)	r/	338,372
	Sheet and strip:									
	Galvanized:									
3311115180	Hot dipped.....	4	-	-		(D)		(D)	(D)	
3311115190	All other metallic coated, including eletrolytic.....	4	23	-		(D)		(D)	(D)	
	Strip:									
33111151A0	Hot rolled.....	3	(S)	-		-		-	(S)	
3312211140	Cold rolled.....	11	c/	7,690	-	(D)		(D)	(D)	
	Bars:									
33111171C0	Hot rolled, including structural shapes under 3 inches.....	13	122,127	(D)		(D)		(D)	2,020,241	
3312213120	Cold finished.....	19	1,783	97		(D)		(D)	272,514	
	Tool steel:									
33111171F0	High speed.....	10	2,182	(D)		(D)		(D)	15,902	
33111171G0	Other than high speed.....	7	(D)	-		25,204		92,378	(D)	
	Pipe and tubes:									
3312100140	Oil country goods and line pipe.....	7	1	-		(D)		(D)	(D)	
3312100170	Pressure tubing.....	2	-	-		(D)		(D)	(D)	
33121001C0	Mechanical tubing.....	8	(D)	-		266,018		381,624	(D)	
33121001H0	Miscellaneous, including standard and structural.....	2	-	-		(D)		(D)	(D)	
33122251D0	Wire (plain and coated).....	10	(S)	-		25,590		70,241	19,663	
	Stainless steel.....	71	(D)	(D)		2,199,560	r/	5,051,271	r/	1,646,839
3311113130	Ingots.....	7	c/	(D)	(D)	(D)		(D)	(D)	
	Semifinished products:									
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	11	(D)	(D)		(D)	r/	419,042	r/	373,449
33111131B0	Wire rods.....	8	a/	12,790	(D)	(D)		(D)	7,902	
	Finished products:									
3311117180	Plates and structurals.....	6	(D)	(D)	r/	106,339	r/	300,700	r/	96,230
	Sheet and strip:									
3311115180	Hot rolled.....	11	b/	(D)	(D)	a/r/	146,808	b/r/	291,128	(S)
3312211150	Cold rolled.....	24	(D)	(D)	b/r/	1,258,159	b/r/	2,701,000	r/	1,142,899
	Bars:									
33111171D0	Hot rolled.....	8	(D)	-		(D)		(D)	(D)	(D)
3312213130	Cold finished.....	8	(D)	(D)		82,645		318,569		81,345
	Pipe and tubes:									
	Pressure tubing:									
3312100180	Seamless.....	5	c/	(D)	(D)		2,687		29,587	2,474
3312100190	Welded.....	8	(D)	-	(D)		(D)	(D)	(D)	(D)
	Mechanical tubing:									
33121001D0	Seamless.....	6	(D)	-		(D)		(D)	741	
33121001E0	Welded.....	12	(D)	(D)	(D)		(D)	(D)	r/	80,808
33121001J0	Other pipe and tubes.....	6	(D)	-		19,284	a/	71,213		(D)
	Wire:									
	Round wire:									
33122251E0	Under 0.75 mm in diameter.....	10	(D)	(D)		(D)		71,229	r/	11,025
33122251F0	0.75 mm to under 1.5 mm in diameter.....	10	(D)	(D)		(D)		(D)	3,326	
33122251G0	1.5 mm and above in diameter.....	17	(D)	(D)		(D)	a/	74,480		16,897
33122251H0	Other shape wire, including flat wire.....	12	(S)	(S)		(D)		(D)	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

1/Product codes in product class 3312225 also include products in the 3311119 product class; same applies for product classes 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 2003 are as follows: total, 5,020,553 metric tons; carbon, 4,399,750 metric tons; alloy, 461,839 metric tons; stainless, 157,085 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments plus steel consumed in producing plants.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding. Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 4. Minimill Shipments of Selected Steel Mill Products: 2004 and 2003
[Quantity in metric tons]

Product code 1/	Product description	2004				2003			
		Number of minimill companies	Industry	Minimills	Percent of minimills	Number of minimill companies	Industry	Minimills	Percent of minimills
3311113110	Carbon steel total 2/.....	(NA)	44,660,795	18,209,796	40.8	(NA)	r/ 40,249,084	15,999,958	39.8
	Ingots.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
	Semifinished products:								
3311113140, 150	Blooms, billets, slabs, sheet bars, tin mill bars, tube rounds, and skelp.....	9 a/	3,676,471	723,669	19.7	10	3,995,842 r/	870,074	21.8
3311113190	Wire rods.....	4	2,937,281	1,038,825	35.4	4	3,299,543 r/	1,243,115	37.7
	Finished products:								
3311117110, 120	Plates, all lengths.....	4	4,852,364	(D)	(D)	5	3,324,935	(D)	(D)
3311115160	Hot-rolled strip.....	3	(D)	(D)	(D)	4	(D)	(D)	(D)
	Structural shapes (heavy):								
3311117130	Wide flange.....	3	(D)	1,300,959	(D)	3	(D)	1,147,671	(D)
3311117140	Standard heavy shapes.....	5 a/	1,211,111	1,097,093	90.6	5	1,121,159	1,016,422	90.7
33111171E0	Sheet piling and bearing piles.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
	Bars:								
3311117190	Hot rolled (except concrete reinforcing).....	7 a/	6,321,384	4,115,495	65.1	8	5,066,931 r/	3,205,850	63.3
33111171A0	Light structurals, under 3 inches.....	5 a/	1,778,811	1,295,641	72.8	5	1,408,853	1,082,879	76.9
33111171B0	Concrete reinforcing.....	7 b/	7,404,299	5,157,322	69.7	7	7,055,889	4,777,856	67.7
3312213110	Cold finished.....	1 a/	1,512,917	(D)	(D)	1	1,089,258	(D)	(D)
331111L	Rails, wheels, and track accessories 3/.....	3	(D)	(D)	(D)	3	(D)	(D)	(D)
	Pipe and tubes:								
3312100110	Line pipe, 16 inches outside diameter and under.....	2	664,543	(D)	(D)	2	704,604	(D)	(D)
3312100130	Oil country goods.....	2 b/	1,132,071	(D)	(D)	2	1,045,176	(D)	(D)
33121001A0	Mechanical tubing, seamless.....	1	101,141	(D)	(D)	1	74,562	(D)	(D)
33121001F0	Structurals.....	2	1,170,893	(D)	(D)	2	1,190,797	(D)	(D)
33121001G0	Miscellaneous, including standard pipe.....	2	1,278,270	(D)	(D)	2	1,371,979	(D)	(D)
3312225	Wire 4/.....	-	(S)	-	-	-	(S)	-	-
331222	Wire products 5/.....	-	(D)	-	-	-	(D)	-	-

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

1/Product codes in product class 3312225 also include products in the 3311119 product class; same applies for product classes 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Total data is for selected product codes only.

3/Product class 331111L combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170

4/Product class 3312225 combines product codes 3312225110 through 33122251H0.

5/Product class 331222 combines product codes 3312223120, 331222B110, 3312227110, 331222B120, 3312221110, 3312221230, 3312221240, and 3312229110.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding. Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 2004
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/		Manufacturers' shipments		Exports of domestic merchandise 1/3/		Imports for consumption 1/4/		Apparent consumption 6/	
		Net (quantity) 2/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 5/	Quantity	Value
	Total.....	83,731,794	70,742,706	7,356,823	7,246,872	27,811,719	20,638,524	103,329,095	83,499,459
	Carbon steel:	75,349,572	57,735,984	5,943,833	4,680,620	23,553,506	15,194,677	92,101,649	67,615,143
3311113110	Ingots.....	(D)	(D)	13,943	17,643	5,609	5,122	(D)	(D)
3311113140, 50	Semifinished blooms, billets, sheet bars, tin mill bars, tub rounds, skelp, and slabs.....	(D)	1,623,617	187,905	119,452	5,868,837	2,513,261	(D)	4,017,426
3311117110, 3311115110, 60	Finished plates, both cut in lengths and in coils.....	4,772,791	2,966,152	1,155,957	786,723	1,400,601	835,177	5,017,436	3,014,606
3312211110	Finished sheet and strip, hot rolled, including hot-rolled bands.....	10,835,275	(D)	685,234	431,780	3,761,831	2,095,893	13,911,872	(D)
3311115120	Finished sheet, cold rolled.....	9,717,309	(D)	443,719	282,878	223,329	156,040	9,496,919	(D)
3311115130	Finished sheet and strip, galvanized, hot dipped.....	9,349,265	(D)	415,478	311,547	2,128,837	1,631,103	11,062,624	(D)
3311115140, 50	Finished sheet and strip, galvanized, electrolytic.....	2,411,426	(D)	103,919	81,992	68,932	49,363	2,376,439	(D)
3312211120	Finished sheet and strip, electrical and other metallic coating, including long ternes.....	(D)	(D)	123,711	146,614	847,380	786,352	(D)	(D)
	Finished strip, cold rolled.....	1,342,737	(D)	161,814	146,733	65,356	95,330	1,246,279	(D)
	Finished tin mill products:								
33111151C0	Blackplate.....	168,834	(D)	4,748	2,381	-	-	164,086	(D)
33111151D0	Electrolytic and hot-dipped tin plate.....	(D)	(D)	261,155	167,811	327,624	228,519	(D)	(D)
33111151E0, F0	Tin free steel and other tin mill products, including short ternes and foil.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3311117130, 40	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	(D)	(D)	593,019	360,722	543,428	336,958	(D)	(D)
33111171E0	Finished sheet piling and bearing piles.....	(D)	(D)	12,716	12,502	103,691	74,048	(D)	(D)
3311117190, 3190	Hot-rolled bars (except reinforcing) and semifinished wire rods.....	7,151,592	4,780,792	384,713	286,646	824,361	540,487	7,591,240	5,034,633
	Finished bars:								
33111171A0	Light structurals, under 3 inches.....	(D)	859,407	111,640	63,500	196,091	123,686	(D)	919,593
33111171B0	Concrete reinforcing.....	(D)	3,085,081	223,955	108,887	1,738,959	904,826	(D)	3,881,020
3312213110	Cold finished.....	1,439,070	1,287,622	99,954	118,855	172,927	181,029	1,512,043	1,349,796
331111L110, 20, 30, 40	Finished rails, wheels, and track accessories.....	(D)	(D)	137,131	87,051	294,925	155,726	(D)	(D)
331111L150, 60, 70	Finished wheels (rolled and forged), axles (rolled and forged), and track spikes.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3312100110, 20	Finished line pipe, all diameters.....	(D)	708,147	115,843	139,311	470,451	351,499	(D)	920,336
3312100130	Finished pipe and tubes, oil country goods.....	(D)	981,393	120,449	203,018	710,295	562,324	(D)	1,340,700
33121001F0	Finished pipe and tubes, structurals.....	1,217,749	1,162,855	97,778	106,526	680,089	591,179	1,800,061	1,647,508
3312100150, 60,	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	3,810,068	(D)	315,452	412,888	1,444,772	1,205,179	4,939,388	(D)
33121001A0, 80, G0									
3312225110 20, 30, 40, 50, 60	Finished plain wire.....	(D)	(D)	37,319	42,990	290,583	260,708	(D)	(D)
3312225170, 80, 90	Finished wire, plated or coated with zinc.....	301,987	(D)	25,817	29,939	306,053	269,115	582,223	(D)
33122251A0, 80, C0	Finished wire, plated or coated, other than with zinc.....	(D)	(D)	49,514	73,807	82,275	91,720	(D)	(D)
3312223100	Nails, staples, tacks, and brads.....	92,821	150,754	26,369	61,063	590,330	643,538	656,783	733,228
331222B100	Other wire products.....	384,560	288,181	8,217	9,922	15,144	18,555	391,488	296,814
3312227100, 9110, 9112	Fencing and fence gates, woven wire products, and all other wire products.....	(D)	(D)	12,848	31,354	129,160	171,533	(D)	(D)
3312221101	Finished wire rope and cable.....	128,280	(D)	12,249	33,498	132,026	217,053	248,058	(D)
3312221201	Finished wire strand.....	(D)	(D)	1,267	2,587	129,608	99,355	(D)	(D)
	Alloy steel (except stainless):	6,691,269	6,268,166	1,121,679	1,690,812	3,448,487	3,302,758	9,161,423	8,766,484
3311113120	Ingots.....	352,698	(D)	26,658	24,942	17,500	14,035	343,541	(D)
3311113160, 70	Semifinished blooms, billets, sheet bars, tube rounds, skelp and slabs.....	(D)	(D)	15,882	27,700	647,725	310,365	(D)	(D)
33111151A0, 70, 80, 90, 3311117150, 60, 3312211130, 40	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	2,437,612	1,937,681	507,297	559,526	1,186,412	974,238	3,116,727	2,352,393
33111131A0, 3311117170, C0, 3312213120	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....	2,388,636	1,912,024	199,141	215,085	711,520	560,005	2,901,015	2,256,944
33111171F0	Finished tool steel, high speed.....	13,495	(D)	1,834	17,845	5,914	42,738	17,575	(D)
33111171G0	Finished tool steel (except high speed).....	(D)	110,515	15,515	47,278	87,875	133,656	(D)	196,894
3312100140	Finished oil country goods and line pipe.....	(D)	(D)	198,336	298,347	493,537	501,642	(D)	(D)
3312100170 C0, H0, D0, E0, J0, 80, 90	Alloy steel, including stainless, pipe and tubes, n.e.c.	501,320	1,388,249	133,345	367,696	290,496	745,666	658,471	1,766,218
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	41,004	101,462	23,671	132,393	7,508	20,412	24,840	(S)
	Stainless steel:	1,690,953	6,738,556	291,311	875,440	809,725	2,141,088	2,066,023	7,117,832
3311113130	Ingots.....	(D)	(D)	5,590	19,800	8,560	18,374	(D)	(D)
3311113180	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	473,397	(D)	7,584	26,764	166,557	382,379	632,370	(D)
33111131B0, 71D0	Semifinished wire rods and finished bars, hot rolled.....	(D)	(D)	11,094	48,625	57,048	159,509	(D)	(D)

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 2004
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/		Manufacturers' shipments		Exports of domestic merchandise 1/3/		Imports for consumption 1/4/		Apparent consumption 6/	
		Net (quantity) 2/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 5/	Quantity	Value
3311117180	Finished plates and structurals.....	96,286	368,300	69,200	198,354	79,951	228,555	107,037	398,501
3311115180	Finished sheet and strip, hot rolled.....	(S)	419,512	26,891	75,092	16,947	41,789	(S)	386,209
3312211150	Finished sheet and strip, cold rolled.....	1,147,131	3,564,077	148,463	373,148	380,770	962,670	1,379,438	4,153,599
3312213130	Finished bars, cold finished.....	70,405	315,481	14,090	77,567	61,797	199,134	118,112	437,048
33122251E0, F0, G0, H0	Finished wire.....	(D)	217,635	8,398	56,089	38,096	148,678	(D)	310,224

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. n.e.c. Not elsewhere classified. S Does not meet publication standards.

1/For a comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes, and HTSUSA import codes, see Table 6.

2/Includes quantities of steel consumed in steel producing plants in the manufacture of fabricated products and maintenance, repair, and operating supplies (MRO) while excluding receipts. Refer to Table 3a for the net shipments detail.

3/Source: Census Bureau report EM 545, U.S. Exports.

4/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

5/Dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

6/Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3311113110	Carbon steel:		
	Ingots.....	7206.10.0000	7206.10.0000
3311113140, 50	Semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, rounds, skelp, and slabs.....	7207.11.0000	7207.11.0000
		7207.12.0000	7207.12.0010
		7207.19.0000	7207.12.0050
		7207.20.0000	7207.19.0030
		7206.90.0000	7207.19.0090
			7207.20.0025
			7207.20.0045
			7207.20.0075
			7207.20.0090
			7206.90.0000
3311117110, 20	Finished plates, both cut in lengths and in coils.....	7208.25.3000	7208.10.1500
		7208.25.6000	7208.10.3000
		7208.36.0030	7208.25.3000
		7208.36.0060	7208.25.6000
		7208.37.0030	7208.36.0030
		7208.37.0060	7208.36.0060
		7208.51.0030	7208.37.0030
		7208.51.0050	7208.37.0060
		7208.52.0000	7208.40.3030
		7211.13.0000	7208.51.0045
		7211.14.0000	7208.51.0060
		7211.19.3050	7208.40.3060
		7211.19.7050	7208.52.0000
			7211.13.0000
			7211.14.0030
			7211.14.0045
			7211.14.0090
			7208.51.0030
3311115110, 60	Finished sheet and strip, hot rolled, including hot-rolled bands.....	7208.90.0000	7208.10.6000
		7210.70.0000	7208.26.0030
		7208.39.0015	7208.26.0060
		7208.39.0050	7208.27.0030
		7208.40.0000	7208.27.0060
		7208.53.0000	7208.38.0015
		7208.54.0000	7208.38.0030
		7208.10.1500	7208.38.0090
		7208.10.2500	7208.39.0015
		7208.26.0030	7208.39.0030
		7208.26.0060	7208.39.0090
		7208.27.0030	7208.40.6060
		7208.27.0060	7208.53.0000
		7208.38.0015	7208.40.6030
		7208.38.0050	7208.54.0000
			7208.90.0000
			7210.70.3000
			7211.19.1500
			7211.19.4500
			7211.19.2000
3312211110	Finished sheet, cold rolled.....	7209.15.0000	7209.15.0000
		7209.16.0010	7209.16.0030
		7209.16.0090	7209.16.0060
		7209.17.0010	7209.17.0030
		7209.17.0090	7209.17.0060
		7209.18.1500	7209.18.1530
		7209.18.6000	7209.18.1560

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3312211110	Finished sheet, cold rolled (continued).....	7209.25.0000 7209.26.0000 7209.27.0000 7209.28.0000 7209.90.0000	7209.16.0090 7209.17.0090 7209.18.6000 7209.25.0000 7209.26.0000 7209.18.2510 7209.27.0000 7209.28.0000 7209.90.0000
3311115120	Finished sheet and strip, galvanized, hot dipped.....	7210.41.0000 7210.49.0030 7210.49.0090 7212.30.0000	7210.41.0000 7210.49.0030 7210.49.0090 7212.30.1030 7212.30.1090 7212.30.3000 7212.30.5000
3311115130	Finished sheet and strip, galvanized, electrolytic.....	7210.30.0030 7210.30.0060 7212.20.0000	7210.30.0060 7212.20.0000 7210.30.0030
3311115140, 50	Finished sheet and strip, electrical and other metallic coating, including long ternes.....	7210.20.0000 7210.50.0000 7210.90.1000 7210.90.5000 7212.40.0000 7212.50.0000 7212.60.0000 7210.61.0000 7210.69.0000	7210.20.0000 7210.61.0000 7210.69.0000 7210.70.6030 7210.70.6060 7210.70.6090 7210.90.1000 7210.90.6000 7210.90.9000 7212.40.1000 7212.40.5000 7212.50.0000 7212.60.0000 7210.50.0000
3312211120	Finished strip, cold rolled.....	7211.90.0000 7211.23.1500 7211.23.3050 7211.29.3050	7211.23.1500 7211.23.4500 7211.23.6030 7211.23.6060 7211.23.6085 7211.23.3000 7211.29.2030 7211.29.2090 7211.29.4500 7211.29.6030 7211.29.6080 7211.90.0000 7211.23.2000 7211.23.6075
33111151C0	Finished tin mill products: Blackplate.....	7209.18.2500	7209.18.2550
33111151D0	Electrolytic and hot-dipped tin plate.....	7210.11.0000 7210.12.0000 7212.10.0000	7210.11.0000 7210.12.0000 7212.10.0000
33111151E0, F0	Tin free steel and other tin mill products, including short ternes and foil.....	(NA)	(NA)
3311117130, 40	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	7216.31.0000 7216.32.0000	7216.31.0000 7216.32.0000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3311117130, 40	Finished structural shapes (heavy), both wide flange and standard heavy shapes (continued).....	7216.33.0000	7216.33.0030
		7216.40.0000	7216.33.0060
		7216.50.0000	7216.33.0090
		7216.99.0000	7216.40.0010
		7301.20.1000	7216.40.0050
		7216.61.0000	7216.50.0000
		7216.69.0000	7216.61.0000
			7216.69.0000
			7301.20.1000
			7216.91.0000
			7216.99.0000
33111171E0	Finished sheet piling and bearing piles.....	7301.10.0000	7301.10.0000
3311117190, 3190	Hot-rolled bars (except reinforcing) and semifinished wire rods.....	7213.20.0000	7213.20.0000
		7214.10.0000	7213.91.4510
		7214.30.0000	7213.91.6010
		7215.90.0000	7213.99.0060
		7213.91.3000	7213.99.0090
		7213.91.4500	7214.10.0000
		7213.91.6000	7214.30.0000
		7214.99.0035	7214.91.0015
		7213.99.0000	7214.99.0015
		7214.99.0010	7214.99.0060
		7214.99.0025	7214.91.0060
		7214.91.0015	7214.99.0030
		7214.91.0060	7214.99.0075
		7214.91.0090	7214.91.0090
			7214.99.0045
33111171A0	Finished bars: Light structurals, under 3 inches.....		7214.99.0090
			7215.90.1000
			7213.91.4590
			7213.91.6090
		7216.10.0000	7216.10.0010
		7216.21.0000	7216.10.0050
		7216.22.0000	7216.21.0000
			7216.22.0000
			7213.91.3010
			7213.91.3090
			7213.99.0031
			7213.99.0038
33111171B0	Concrete reinforcing.....	7213.10.0000	7213.10.0000
		7214.20.0000	7214.20.0000
3312213110	Cold finished.....	7215.10.0000	7215.10.0000
		7215.90.0000	7215.50.0015
		7216.91.0000	7215.50.0060
		7215.50.0015	7215.50.0090
		7215.50.0060	7215.90.3000
331111L110, 20, 30, 40	Finished rails, wheels, and track accessories.....	7215.50.0090	7215.90.5000
		7302.10.1020	7302.10.1010
		7302.10.1030	7302.10.1035
		7302.10.1080	7302.10.1015
		7302.10.5000	7302.10.1025
		7302.40.0000	7302.10.1045
			7302.10.1055
			7302.10.1065
			7302.10.1075
			7302.40.0000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
331111L150, 60, 70	Finished wheels (rolled and forged), axles (rolled and forged), and track spikes.....	(NA)	(NA)
3312100110, 20	Finished line pipe, all diameters.....	7304.10.1020 7304.10.1050 7304.10.1080 7305.11.1000 7305.12.1000 7305.19.1000 7306.10.1000	7304.10.1020 7304.10.1030 7304.10.1045 7304.10.1060 7304.10.1080 7305.11.1030 7305.11.1060 7305.12.1030 7305.12.1060 7305.19.1030 7305.19.1060
3312100130	Finished pipe and tubes, oil country goods.....	7304.21.3000 7304.29.1055 7304.29.5000 7305.20.3000 7306.20.1500 7306.20.6000	7304.29.1010 7304.29.1020 7304.29.1030 7304.29.1040 7304.29.1050 7304.29.1060 7304.29.1080 7304.29.2010 7304.29.2020 7304.29.2030 7304.29.2040 7304.29.2050 7304.29.2060 7304.29.2080 7304.29.5015 7304.29.5030 7304.29.5045 7304.29.5060 7304.29.5075 7305.20.2000 7305.20.4000 7306.20.1030 7306.20.1090 7306.20.2000 7306.20.6010 7306.20.6050 7306.10.1013 7306.10.1014 7306.10.1015 7306.10.1019 7306.10.1053 7306.10.1054 7306.10.1055 7306.10.1059 7304.21.3000
33121001F0	Finished pipe and tubes, structurals.....	7304.90.4000 7305.90.1000 7306.60.2500 7306.90.1000	7304.90.1000 7304.90.5000 7305.90.1000 7306.60.1000 7306.60.5000 7306.90.1000
3312100150, 60, 33121001A0, B0, G0	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	7304.31.0000 7304.39.0000 7305.31.4000 7305.39.1000 7306.30.1000 7306.30.1550 7306.30.2000 7306.30.4000 7306.30.6000	7304.31.6010 7304.31.6050 7304.39.0002 7304.39.0004 7304.39.0006 7304.39.0008 7304.39.0016 7304.39.0020 7304.39.0024

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3312100150, 60, 33121001A0, B0, G0	Finished pipe and tubes (except line pipe, oil country goods, and structurals) (continued).....		7304.39.0028
			7304.39.0032
			7304.39.0036
			7304.39.0040
			7304.39.0044
			7304.39.0048
			7304.39.0052
			7304.39.0056
			7304.39.0062
			7304.39.0068
			7304.39.0072
			7304.39.0076
			7304.39.0080
			7305.31.4000
			7305.39.1000
			7306.30.1000
			7306.30.5010
			7306.30.5015
			7306.30.5020
			7306.30.5025
			7306.30.5028
			7306.30.5032
			7306.30.5035
			7306.30.5040
			7306.30.5055
			7306.30.5085
			7306.30.5090
			7304.31.3000
3312225110, 20,30, 40, 50, 60	Finished plain wire.....	7217.10.1510	7217.10.1000
		7217.10.2510	7217.10.2000
		7217.10.7510	7217.10.3000
			7217.10.7000
			7217.10.4030
			7217.10.8025
			7217.10.8030
			7217.10.8010
			7217.10.5030
			7217.10.8045
			7217.10.8020
			7217.10.8060
			7217.10.8075
			7217.10.4090
			7217.10.5090
			7217.10.6000
			7217.10.9000
3312225170, 80, 90	Finished wire, plated or coated with zinc.....	7217.20.1010	7217.20.4510
		7217.20.5010	7217.20.4540
		7217.20.9010	7217.20.4530
			7217.20.4560
			7217.20.4520
			7217.20.4550
			7217.20.3000
			7217.20.4580
			7217.20.4570
			7217.20.1500
			7217.20.6000
33122251A0, B0, C0	Finished wire, plated or coated, other than with zinc.....	7217.30.1010	7217.30.1560
		7217.30.5010	7217.30.4510
		7217.30.9010	7217.30.3000
		7217.90.0000	7217.30.6000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
33122251A0, B0, C0	Finished wire, plated or coated, other than with zinc (continued).....		7217.90.1000
			7217.90.5030
			7217.30.4530
			7217.30.4560
			7217.30.1530
			7217.90.5090
			7217.30.4520
			7217.30.4540
			7217.30.4550
			7217.30.4590
			7217.30.7500
			7217.90.5060
3312223100	Nails, staples, tacks, spikes, and brads.....	7317.00.9000 8305.20.0000	7317.00.5510
			7317.00.5520
			7317.00.5530
			7317.00.5540
			7317.00.5550
			7317.00.5560
			7317.00.5570
			7317.00.5580
			7317.00.5590
			7317.00.6530
			7317.00.6560
			7317.00.7500
			7317.00.3000
			7317.00.5504
			7317.00.5506
			8305.20.0000
			7317.00.2000
331222B100	Other wire products.....	7313.00.0000	7313.00.0000
3312227100, 12, 3312229110, 12, 331222B100	Fencing and fence gates, woven wire products, and welded steel wire fabrics.....	7314.20.0000	7314.20.0000
		7314.41.0000	7314.41.0030
		7314.42.0000	7314.41.0060
		7314.49.0000	7314.42.0030
		7314.50.0000	7314.42.0060
			7314.49.3000
3312221101	Finished wire rope and cable.....	7312.10.8500	7314.49.6000
			7312.10.7000
			7312.10.8000
			7312.10.9030
			7312.10.9060
3312221201	Finished wire strand.....	7312.10.3015	7312.10.9090
			7312.10.3010
3311113120	Alloy steel (except stainless): Ingots.....	7224.10.0000	7312.10.3012
			7224.10.0005
			7224.10.0045
3311113160, 70	Semifinished blooms, billets, sheet bars, tube rounds, skelp, and slabs.....		7224.10.0075
			7224.90.0015
			7224.90.0025
			7224.90.0035
			7224.90.0045
			7224.90.0055
			7224.90.0065
			7224.90.0075

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
33111151A0 70, 80, 90, 3311117150, 60, 3312211130, 40	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	7225.11.0000	7225.30.1000
		7225.19.0000	7225.30.3005
		7225.91.0000	7225.30.3050
		7225.92.0000	7225.40.1015
		7226.93.0000	7225.40.1090
		7226.94.0000	7225.40.3005
		7225.20.0000	7225.40.3050
		7225.30.0000	7225.50.6000
		7225.40.0000	7226.91.5000
		7225.50.0000	7226.20.0000
		7226.20.0000	7226.91.0500
		7226.91.0000	7226.91.1530
		7226.92.2000	7226.91.1560
		7226.92.4000	7226.91.2530
		7226.99.0000	7226.91.2560
		7226.19.0000	7226.91.7000
		7225.99.0000	7226.91.8000
		7226.11.0000	7226.92.1030
			7226.92.1060
			7226.92.3030
			7226.92.3060
			7226.92.5000
			7226.92.7005
			7226.92.7050
			7226.92.8005
			7226.92.8050
			7226.93.0000
			7226.94.0000
			7225.20.0000
			7225.30.5030
			7225.30.5060
			7225.30.7000
			7225.40.5030
			7225.40.5060
			7225.50.1030
			7225.50.1060
			7225.50.7000
			7225.11.0000
			7225.19.0000
			7225.40.7000
			7225.50.8010
			7225.50.8015
			7225.50.8085
			7225.91.0000
			7225.92.0000
			7225.99.0010
			7225.99.0090
33111131A0, 3311117170, C0, 3312213120	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....	7227.10.0000	7227.10.0000
		7227.20.0000	7227.90.1030
		7227.90.0000	7227.90.1060
		7228.20.0000	7227.90.2030
		7228.30.8000	7227.90.2060
		7228.40.0000	7227.90.6005
		7228.50.5000	7228.20.1000
		7228.60.5000	7228.20.5000
		7228.70.0000	7228.30.8005
		7228.80.0000	7228.30.8050
			7228.50.5005
			7228.50.5050
			7228.60.6000
			7228.60.8000
			7228.70.3020
			7228.70.3040

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
33111131A0, 3311117170, C0, 3312213120	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished (continued).....		7228.70.3060 7228.70.3080 7228.70.6000 7228.80.0000 7301.20.5000 7227.90.6051 7227.90.6053 7227.90.6059 7228.40.0000
33111171F0	Finished tool steel, high speed.....	7228.10.0000	7228.10.0010 7228.10.0030 7228.10.0060
33111171G0	Finished tool steel (except high speed).....	7228.30.5000 7228.50.1000 7228.60.1000	7228.30.2000 7228.30.4000 7228.30.6000 7228.50.1010 7228.50.1020 7228.50.1040 7228.50.1060 7228.50.1080 7228.60.1030 7228.60.1060
3312100140	Finished oil country goods and line pipe.....	7304.10.5020 7304.10.5050 7304.10.5080 7304.21.6000 7304.29.3055 7304.29.6000 7305.11.5000 7305.12.5000 7305.19.5000 7305.20.7000 7306.10.5000 7306.20.2500 7306.20.8000	7304.10.5020 7304.10.5050 7304.10.5080 7304.29.3010 7304.29.3020 7304.29.3030 7304.29.3040 7304.29.3050 7304.29.3060 7304.29.3080 7304.29.4010 7304.29.4020 7304.29.4030 7304.29.4040 7304.29.4050 7304.29.4060 7304.29.4080 7304.29.6015 7304.29.6030 7304.29.6045 7304.29.6060 7304.29.6075 7304.21.6030 7304.21.6045 7304.21.6060 7305.11.5000 7305.12.5000 7305.19.5000 7305.20.6000 7305.20.8000 7306.10.5013 7306.10.5014 7306.10.5015 7306.10.5019 7306.10.5053 7306.10.5054 7306.10.5055 7306.10.5059

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3312100140	Finished oil country goods and line pipe (continued).....		7306.20.3000 7306.20.4000 7306.20.8010 7306.20.8050
3312100170, C0, H0, D0, E0, J0, 80, 90	Alloy steel, including stainless, pipe and tubes, n.e.c.	7304.41.0000 7304.49.0010 7304.49.0040 7304.51.0000 7304.59.0000 7304.90.6000 7305.31.6000 7305.39.5000 7305.90.5000 7306.40.1000 7306.40.5000 7306.50.1000 7306.50.4500 7306.60.6500 7306.90.5000	7304.51.5015 7304.51.5045 7304.59.2030 7304.59.2040 7304.59.2045 7304.59.2055 7304.59.2060 7304.59.2070 7304.59.2080 7306.50.5010 7304.51.5005 7304.49.0060 7304.51.1000 7304.51.5060 7304.59.1000 7304.59.6000 7304.59.8010 7304.59.8015 7304.59.8020 7304.59.8025 7304.59.8030 7304.59.8035 7304.59.8040 7304.59.8045 7304.59.8050 7304.59.8055 7304.59.8060 7304.59.8065 7304.59.8070 7304.59.8080 7304.90.3000 7304.90.7000 7305.31.6000 7305.39.5000 7305.90.5000 7306.40.1010 7306.40.1015 7306.40.1090 7306.40.5040 7306.40.5042 7306.40.5044 7306.40.5062 7306.40.5064 7306.40.5080 7306.40.5090 7306.50.1000 7306.50.3000 7306.50.5030 7306.50.5050 7306.50.5070 7306.60.3000 7306.40.5005 7306.60.7030 7306.60.7060 7306.90.5000 7306.40.5085 7304.49.0045 7304.41.3005 7304.41.3015 7304.41.3045

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3312100170, C0, H0, D0, E0, J0, 80, 90	Alloy steel, including stainless, pipe and tubes, n.e.c. (continued).....		7304.41.6005 7304.41.6015 7304.41.6045 7304.49.0005 7304.49.0015 7306.40.5015
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	7229.10.0000 7229.20.0000 7229.90.0000	7229.10.0000 7229.20.0000 7229.90.1000 7229.90.5015 7229.90.5030 7229.90.5050 7229.90.9000
3311113130	Stainless steel: Ingots.....	7218.10.0000	7218.10.0000
33111171B0	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	7218.91.0000 7218.99.0000	7218.99.0090 7218.91.0015 7218.99.0015 7218.91.0030 7218.99.0030 7218.91.0060 7218.99.0045 7218.99.0060
33111131B0, 71D0	Semifinished wire rods and finished bars, hot rolled.....	7221.00.0000 7222.11.0000 7222.19.0000	7221.00.0005 7221.00.0015 7221.00.0030 7221.00.0045 7221.00.0075 7222.11.0005 7222.19.0005 7222.11.0050 7222.19.0050
3311113180	Finished plates and structurals.....	7219.11.0000 7219.12.0000 7219.21.0000 7219.22.0000 7219.31.0000 7220.11.0000 7222.40.0000	7219.11.0030 7219.11.0060 7219.21.0005 7219.21.0020 7219.21.0040 7219.21.0060 7219.22.0005 7219.31.0010 7219.31.0050 7220.11.0000 7222.40.6000 7219.12.0002 7219.12.0006 7219.12.0021 7219.12.0026 7219.12.0051 7219.12.0056 7219.22.0015 7219.22.0020 7219.22.0025 7219.22.0035 7219.22.0040 7219.22.0045 7219.22.0070 7219.22.0075 7219.22.0080 7219.12.0066 7219.12.0071

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3311113180	Finished plates and structurals (continued).....		7222.40.3025 7222.40.3045 7222.40.3065 7222.40.3085 7219.12.0081
33111151B0	Finished sheet and strip, hot rolled.....	7219.13.0000 7219.14.0000 7219.23.0000 7219.24.0000 7220.12.0000	7219.14.0030 7219.23.0030 7219.23.0060 7219.24.0030 7219.24.0060 7220.12.1000 7220.12.5000 7219.13.0002 7219.13.0031 7219.14.0090 7219.13.0051 7219.13.0071 7219.13.0081 7219.14.0065
3312211150	Finished sheet and strip, cold rolled.....	7219.32.0000 7219.33.0000 7219.34.0000 7219.35.0000 7219.90.0000 7220.20.0000 7220.90.0000	7219.32.0045 7219.32.0060 7219.33.0045 7219.33.0070 7219.33.0080 7219.34.0050 7219.35.0015 7219.35.0005 7219.35.0030 7219.35.0035 7219.35.0050 7220.20.1010 7220.20.1015 7220.20.1060 7220.20.1080 7220.20.6005 7220.20.6010 7220.20.6015 7220.20.6060 7220.20.6080 7220.20.7005 7220.20.7010 7220.20.7015 7220.20.7060 7220.20.7080 7220.20.8000 7220.20.9030 7220.20.9060 7219.32.0020 7219.32.0025 7219.32.0005 7219.32.0035 7219.32.0036 7219.32.0038 7219.32.0042 7219.32.0044 7219.33.0005 7219.33.0020 7219.33.0025 7219.33.0035 7219.33.0036 7219.33.0038 7219.33.0042 7219.33.0044

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2004

Product code	Product description	Export code 1/	Import code 2/
3312211150	Finished sheet and strip, cold rolled (continued).....		7219.34.0005 7219.34.0020 7219.34.0025 7219.34.0030 7219.34.0035 7219.90.0010 7219.90.0020 7219.90.0025 7219.90.0060 7219.90.0080 7220.90.0010 7220.90.0015 7220.90.0060 7220.90.0080
3312213130	Finished bars, cold finished.....	7222.20.0000 7222.30.0000	7222.20.0005 7222.20.0045 7222.20.0075 7222.30.0000
33122251E0, F0, G0, H0	Finished wire	7223.00.0000	7223.00.1015 7223.00.1030 7223.00.1045 7223.00.1060 7223.00.1075 7223.00.5000 7223.00.9000

NA Not available. n.e.c. Not elsewhere classified.

1/Source: 2004 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schdeule of the United States, Annotated (2004).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Data on steel mill products have been collected by the Census Bureau since 1921. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library.