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### SUMMARY OF FINDINGS

In 2001, steel mill product manufacturers had shipments of \$54.3 billion, which decreased 11 percent from \$61.2 billion in 2000. Steel

ingot and semifinished shapes decreased 15 percent to \$3.1 billion in 2001, from \$3.6 billion in 2000. Hot-rolled sheet and strip, including tin mill products decreased 10 percent to \$17.9 billion in 2001, from \$20.0 billion in 2000. Hot-rolled bars and shapes, plates, structural shapes, and piling decreased 12 percent to \$10.2 billion in 2001, from \$11.7 billion in 2000. Steel wire decreased 10 percent to \$2.0 billion in 2001, from \$2.2 billion in 2000. Other wire products shipments were \$1.8 billion in 2001, a decrease of 4 percent from 2000. Steel pipe and tube incurred a 9-percent decrease to \$7.6 billion in 2001, from \$8.3 billion in 2000. Cold-rolled steel sheet and strip decreased to \$9.7 billion in 2001, from \$11.2 billion in 2000, a 13-percent decrease. Cold-finished steel bars and bar shapes decreased 17 percent to \$1.7 billion in 2001, from \$2.0 billion in 2000. Other steel mill products increased 15 percent.

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 John Linehan, 301-763-4742.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-763-4673.

# U S C E N S U S B U R E A U

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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



Table 1. Value of Shipments of Steel Mill Products by Class of Products: 2001 and 2000  
 [Value in thousands of dollars]

Product code	Product description	2001	2000
	Total.....	54,303,032	61,241,214
3311113	Steel ingot and semifinished shapes.....	3,085,252 r/	3,616,946
3311115	Hot-rolled sheet and strip, including tin mill products 1/.....	17,923,718	19,969,604
3311117	Hot-rolled bars and shapes, plates, structural shapes, and piling.....	10,232,753	11,663,953
3312225	Steel wire, including galvanized wire and other coated wire.....	1,985,915	2,195,090
331222	Other wire products.....	1,763,001	1,845,267
3312100	Steel pipe and tube.....	7,562,968	8,330,825
3312211	Cold-rolled steel sheet and strip.....	9,712,240	11,166,230
3312213	Cold-finished steel bars and bar shapes.....	1,668,910	2,019,050
331111L	Other steel mill products (except wire products).....	368,275 r/	434,249

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

1/Galvanized, metallic coated, and electrical sheet and strip are included in product code 3311115, "Hot-rolled sheet and strip," including tin mill products."

Table 2. Production of Raw Steel: 2001 and 2000  
 [Thousands of metric tons]

Product description	2001	2000
Total.....	88,087	96,879
By grade of steel:		
Carbon.....	75,970	84,502
Alloy.....	9,672	9,800
Stainless.....	2,444 r/	2,577
By type of furnace:		
Electric.....	37,306 r/	42,341
Basic oxygen, open hearth, and other types of furnaces.....	50,782	54,539

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

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2001  
 [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		Net shipments 4/ (quantity)
					Quantity	Value f.o.b. plant	
	Steel.....	(NA)	22,495,909	1,326,211	105,444,920	54,303,032	84,275,222
	Carbon steel.....	267	21,094,165	1,197,944	95,485,347	43,260,715	75,589,126
3311113110	Ingots.....	5	-	(D)	122,462	53,036	(D)
	Semifinished products:						
	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp.....	30	(D)	(D)	2,180,473	585,946	98,768
3311113140	Wire rods.....	21	2,544,400	156,170	3,771,870	1,272,593	1,383,640
3311113150	Slabs.....	11	(D)	(D)	383,235	110,550	(S)
	Finished products:						
3311117110	Plates, cut lengths.....	15	(D)	(D)	3,211,931	1,261,229	2,888,288
3311117120	Plates, in coils.....	6	127,240	-	359,682	112,313	232,442
	Sheet:						
3311115110	Hot rolled, including hot-rolled bands.....	26	8,179,359	437,636	18,595,549	5,474,117	10,853,826
3312211110	Cold rolled.....	27	1,885,977	260,491	12,469,151	5,400,375	10,843,665
	Sheet and strip:						
	Galvanized:						
3311115120	Hot dipped.....	19	(D)	(D)	10,112,570	5,332,489	9,678,920
3311115130	Electrolytic.....	14	(D)	(D)	3,470,564	2,286,828	3,434,202
3311115140	Electrical.....	2	(D)	-	(D)	(D)	(D)
3311115150	All other metallic coated, including long ternes.....	10	(D)	(D)	919,806	590,148	913,388
	Strip:						
3311115160	Hot rolled.....	14	(D)	(D)	(D)	(D)	(D)
3312211120	Cold rolled.....	23	(D)	(D)	1,627,849	1,148,759	1,430,778
	Tin mill products:						
33111151C0	Black plate.....	7	(D)	(D)	423,822	182,793	412,841
33111151D0	Electrolytic and hot dipped tin plate.....	9	(D)	-	2,448,292	1,584,778	(D)
33111151E0	Tin free steel.....	6	(D)	-	586,424	349,347	(D)
33111151F0	All other tin mill products, including short ternes and foil.....	2	-	-	(D)	(D)	(D)
	Structural shapes (heavy):						
3311117130	Wide flange.....	5	-	-	3,455,856	1,359,315	3,455,856
3311117140	Standard.....	8	(D)	-	1,215,693	473,571	(D)
33111171E0	Sheet piling and bearing piles.....	4	-	-	(D)	(D)	(D)
	Bars:						
3311117190	Hot rolled (except concrete reinforcing).....	31	(D)	(D)	5,477,496	2,263,049	4,670,858
33111171A0	Light structurals (under 3 inches).....	8	(D)	-	1,107,810	359,403	(D)
33111171B0	Concrete reinforcing bars.....	16	(D)	-	6,139,559	1,840,842	(D)
3312213110	Cold-finished bars.....	32	(D)	(D)	1,172,155	879,661	1,113,814
331111L	Rails, wheels, and track accessories 5/.....	10	93,170	-	750,847	368,275	(D)
	Pipe and tubes:						
	Line pipe:						
3312100110	16 inches outside diameter and under.....	17	(D)	-	895,855	499,497	(D)
3312100120	Over 16 inches outside diameter.....	6	-	-	(D)	(D)	(D)
3312100130	Oil country goods.....	12	(D)	-	696,402	474,106	(D)
	Pressure tubing:						
3312100150	Seamless.....	8	(D)	-	112,523	85,721	(D)
3312100160	Welded.....	13	-	-	322,866	378,798	322,866
	Mechanical tubing:						
33121001A0	Seamless.....	10	(D)	-	100,462	101,168	(D)
33121001B0	Welded.....	53	(D)	(D)	2,224,536	1,935,488	1,843,594
33121001F0	Structurals.....	24	(D)	-	1,400,985	689,127	(D)
33121001G0	Miscellaneous, including standard pipe.....	31	(D)	(D)	1,425,638	955,971	1,421,575
	Wire:						
	Plain wire:						
3312225110	Flat wire.....	10	(D)	(D)	74,320	90,953	70,134
	Round wire:						
	Thermally treated:						
3312225120	Under 1.5 mm in diameter.....	15	(D)	-	42,355	45,671	(D)
3312225130	1.5 mm or above in diameter.....	22	(D)	(D)	240,575	166,295	212,254
	Other round wire:						
3312225140	Under 1.5 mm in diameter.....	12	(D)	(D)	177,174	165,060	190,159
3312225150	1.5 mm or above in diameter.....	35	(D)	(D)	1,254,878	657,783	1,113,378
3312225160	Other shape wire.....	8	(D)	-	(D)	(D)	(D)
	Plated or coated with zinc:						
	Round wire:						
3312225170	Under 1.5 mm in diameter.....	12	(D)	(D)	30,764	50,446	25,995
3312225180	1.5 mm or above in diameter.....	16	(D)	(D)	192,318	119,592	85,817
3312225190	Other shape wire, including flat.....	9	(D)	-	80,232	65,287	(D)

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2001  
 [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		Net shipments 4/ (quantity)
					Quantity	Value f.o.b. plant	
Other coated wire:							
33122251A0	Flat wire.....	3	-	(D)	2,132	2,926	(D)
33122251B0	Round wire.....	17	(D)	(D)	122,583	120,629	113,931
33122251C0	Other shape wire.....	6	-	-	61,378	63,324	61,378
Wire products:							
Rope and cable:							
3312221110	Rope and cable.....	12	(D)	-	158,047	321,427	(D)
3312221112	Rope assemblies, including lifting slings.....	3	-	-	(D)	(D)	(D)
3312221214	Forms and composite rope and cable.....	2	-	-	(D)	(D)	(D)
Wire strand:							
3312221230	For prestressed concrete.....	5	-	-	211,262	119,947	211,262
3312221240	Other.....	14	-	-	154,687	183,566	154,687
Nails, staples, tacks, spikes and brads:							
Round wire nails:							
3312223101	Collated and prepackaged.....	7	-	-	114,016	161,507	114,016
Not collated, smooth shank:							
Coated, plated or painted:							
3312223103	Galvanized.....	3	-	-	(D)	(D)	(D)
3312223105	Vinyl resin or cement coated.....	2	-	-	(D)	(D)	(D)
3312223107	Other.....	1	-	-	(D)	(D)	(D)
3312223109	Not coated, plated or painted.....	4	-	-	(D)	(D)	(D)
Not collated, other than smooth shank:							
3312223111	Coated, plated or painted.....	2	-	-	(D)	(D)	(D)
3312223113	Not coated, plated or painted.....	1	-	-	(D)	(D)	(D)
3312223122	Steel cut nails, including horseshoe nails.....	3	-	-	(D)	(D)	(D)
3312223124	Steel wire staples.....	4	-	-	90,145	94,974	90,145
3312223126	Steel tacks, wire and cut.....	1	-	-	(D)	(D)	(D)
3312223128	Steel spikes and brads, including track spikes.....	3	-	-	(D)	(D)	(D)
Fencing and fence gates:							
3312227101	Chain link fencing, including galvanized and plastics coated.....	2	(D)	-	(D)	(D)	(D)
3312227110	Wire fence, woven and welded.....	11	(D)	-	281,138	219,257	(D)
3312227112	Fence gates, posts, and fittings and ornamental lawn fence.....	-	-	-	-	-	-
Woven wire products:							
3312229110	Netting.....	8	(D)	-	58,551	71,989	(D)
3312229112	Other.....	-	-	-	-	-	-
Other wire products:							
331222B110	Barbed and twisted wire.....	6	(D)	-	111,552	97,607	(D)
331222B120	Bale ties.....	7	-	-	46,381	31,014	46,381
331222B122	Welded steel wire fabrics, including concrete reinforcing mesh.....	4	-	-	(D)	(D)	(D)
331222B124	Garment hangers.....	2	-	-	(D)	(D)	(D)
331222B126	All other.....	2	-	-	(D)	(D)	(D)
Alloy steel.....		73	(D)	(D)	7,586,459	5,746,375	6,978,141
3311113120	Ingots.....	12	(D)	(D)	268,090	209,475	319,078
Semifinished products:							
3311113160	Blooms, billets, sheet bars, rounds, and skelp.....	12	(D)	(D)	354,222	309,720	156,446
33111131A0	Wire rods.....	4	(D)	(D)	(D)	(D)	(D)
3311113170	Slabs.....	3	(D)	(D)	(D)	(D)	(S)
Finished products:							
3311117150	Plates, cut lengths.....	8	(D)	(D)	824,118	530,725	823,538
3311117160	Plates, in coils.....	2	(D)	-	(D)	(D)	(D)
3311117170	Structural shapes (3 inches and under).....	1	-	-	(D)	(D)	(D)
Sheet:							
3311115170	Hot rolled.....	9	21,177	-	1,261,956	473,897	1,240,779
3312211130	Cold rolled.....	6	(D)	-	(D)	(D)	(D)
Sheet and strip:							
Galvanized:							
3311115180	Hot dipped.....	3	-	-	(D)	(D)	(D)
3311115190	All other metallic coated, including electrolytic.....	5	(D)	-	(D)	(D)	(D)
Strip:							
33111151A0	Hot rolled.....	3	25,230	-	1,449	1,267	(S)
3312211140	Cold rolled.....	11	18,598	-	336,381	566,623	317,783
Bars:							
33111171C0	Hot-rolled, including structural shapes under 3 inches.....	15	250,960	186	1,982,404	1,060,074	1,731,630
3312213120	Cold finished.....	24	(D)	-	272,928	347,692	(D)

Continued

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2001  
 [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		Net shipments 4/ (quantity)
					Quantity	Value f.o.b. plant	
Tool steel:							
33111171F0	High speed.....	7	(D)	-	8,606	67,184	(D)
33111171G0	Other than high speed.....	8	(D)	-	32,583	111,429	(D)
Pipe and tubes:							
3312100140	Oil country goods and line pipe.....	9	(D)	-	876,322	810,004	(D)
3312100170	Pressure tubing.....	5	-	-	7,261	36,214	7,261
33121001C0	Mechanical tubing.....	11	(D)	-	320,689	501,230	(D)
33121001H0	Miscellaneous, including standard and structural.....	5	-	-	(D)	(D)	(D)
33122251D0	Wire (plain and coated).....	13	8,298	-	37,361	94,982	29,064
3311113130	Stainless steel.....	79	(D)	(D)	2,373,114	5,295,942	1,707,955
3311113130	Ingots.....	7	(D)	(D)	69,409	112,836	31,998
Semifinished products:							
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	13	9,483	50,484	251,460	330,082	292,462
33111131B0	Wire rods.....	6	6,196	-	(D)	(D)	(D)
3311117180	Plates and structurals.....	9	5,022	-	223,899	537,569	218,877
Finished products:							
Sheet and strip:							
33111151B0	Hot rolled.....	6	(D)	(D)	224,676	344,728	(S)
3312211150	Cold rolled.....	18	(D)	(D)	1,274,023	2,459,064	1,159,611
Bars:							
33111171D0	Hot rolled.....	9	(D)	-	25,619	90,856	(D)
3312213130	Cold finished.....	13	(D)	-	102,131	441,557	(D)
Pipe and tubes:							
Pressure tubing:							
3312100180	Seamless.....	7	(D)	(D)	4,039	50,199	3,983
3312100190	Welded.....	10	(D)	-	56,914	232,839	(D)
Mechanical tubing:							
33121001D0	Seamless.....	6	(D)	-	3,087	62,590	(D)
33121001E0	Welded.....	15	(D)	(D)	72,532	313,013	72,531
33121001J0	Other pipe and tubes.....	7	(D)	(D)	8,791	45,855	8,851
Wire:							
Round wire:							
33122251E0	Under 0.75 mm in diameter.....	12	(D)	-	14,866	101,702	(D)
33122251F0	0.75 mm to under 1.5 mm in diameter.....	12	64	-	4,069	25,715	4,005
33122251G0	1.5 mm and above in diameter.....	15	1,827	-	19,295	83,753	17,468
33122251H0	Other shape wire, including flat wire.....	11	(D)	-	1,231	15,978	(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 the 3312225 series also include products in the 3311119 series; same applies for 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 2001 are as follows: total, 6,845,060 metric tons; carbon, 6,632,711 metric tons; alloy, 57,537 metric tons; stainless, 154,812 metric tons.

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

5/Product code 331111L combines product codes 331111L10, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

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

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2000  
 [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		Net shipments 4/ (quantity)
						Quantity	Value f.o.b. plant	
	Steel.....	(NA) r/	24,559,830		1,427,837	114,217,732	61,241,214	91,085,739
	Carbon steel.....	274 r/	23,050,671		1,285,809	103,691,059	49,235,495	81,926,198
3311113110	Ingots.....	5	(D)		(D)	128,713	54,833	296,179
	Semifinished products:							
	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp.....	30	(D)		(D)	2,393,059	609,822	213,089
3311113140	Wire rods.....	20	2,905,886		181,160	4,630,150	1,581,871 r/	1,905,424
3311113150	Slabs.....	11	(D)		(D) r/	676,173 r/	195,482	(S)
	Finished products:							
3311117110	Plates, cut lengths.....	15	(D)		(D) r/	3,716,406 r/	1,517,567 r/	3,654,498
3311117120	Plates, in coils.....	5	77,433		-	(D)	(D)	(D)
	Sheet:							
3311115110	Hot rolled, including hot-rolled bands.....	24 r/	9,572,383		435,437	20,387,595	6,740,354 r/	11,250,650
3312211110	Cold rolled.....	25 r/	1,967,102		274,254	14,034,996	6,429,404	12,342,148
	Sheet and strip:							
	Galvanized:							
3311115120	Hot dipped.....	19	(D)		(D)	10,319,110	5,872,175	9,862,406
3311115130	Electrolytic.....	14	(D)		(D)	3,262,998	2,155,780	3,225,581
3311115140	Electrical.....	2	(D)		-	(D)	(D)	(D)
3311115150	All other metallic coated, including long ternes.....	9	(D)		(D)	1,056,446	723,596	1,044,720
	Strip:							
3311115160	Hot rolled.....	15	(D)		(D)	(D)	(D)	(D)
3312211120	Cold rolled.....	22	(D)		(D) r/	1,764,593 r/	1,291,040 r/	1,556,991
	Tin mill products:							
33111151C0	Black plate.....	8	(D)		(D)	448,415	202,142	435,871
33111151D0	Electrolytic and hot dipped tin plate.....	9	(D)		-	2,406,606	1,564,146	(D)
33111151E0	Tin free steel.....	6	(D)		-	611,704	388,481	(D)
33111151F0	All other tin mill products, including short ternes and foil.....	2	-		-	(D)	(D)	(D)
	Structural shapes (heavy):							
3311117130	Wide flange.....	5	-		-	3,786,564	1,595,967	3,786,564
3311117140	Standard.....	7	-		- r/	1,222,997 r/	528,493 r/	1,222,997
33111171E0	Sheet piling and bearing piles.....	4	-		-	(D)	(D)	(D)
	Bars:							
3311117190	Hot rolled (except concrete reinforcing).....	32	(D)		(D)	6,413,239	2,714,358	5,549,314
33111171A0	Light structurals (under 3 inches).....	8	(D)		-	1,387,506	513,281	(D)
33111171B0	Concrete reinforcing bars.....	16	-		-	6,084,198	1,848,646	6,084,198
3312213110	Cold-finished bars.....	33	(D)		(D)	1,440,308	1,100,969	1,370,871
331111L--	Rails, wheels, and track accessories 5/.....	9	129,958		-	869,245 r/	434,249	739,287
	Pipe and tubes:							
	Line pipe:							
3312100110	16 inches outside diameter and under.....	17	(D)		- r/	1,035,976 r/	589,347	(D)
3312100120	Over 16 inches outside diameter.....	7	-		-	142,884	97,355	142,884
3312100130	Oil country goods.....	12	(D)		-	819,469	559,814	(D)
	Pressure tubing:							
3312100150	Seamless.....	9	(D)		- r/	118,343 r/	93,938	(D)
3312100160	Welded.....	14	-		-	333,426	395,729	333,426
	Mechanical tubing:							
33121001A0	Seamless.....	13	(D)		-	122,683	123,111	(D)
33121001B0	Welded.....	56	(D)		(D) r/	2,502,066 r/	2,258,119	2,094,945
33121001F0	Structurals.....	25	(D)		-	1,584,539	871,953	(D)
33121001G0	Miscellaneous, including standard pipe.....	31	(D)		(D)	1,504,837	1,040,949	1,501,238
	Wire:							
	Plain wire:							
3312225110	Flat wire.....	10	(D)		(D)	78,091	97,170	73,859
	Round wire:							
	Thermally treated:							
3312225120	Under 1.5 mm in diameter.....	16	(D)		-	53,180	58,055	(D)
3312225130	1.5 mm or above in diameter.....	22	(D)		(D)	262,281	186,376	220,907
	Other round wire:							
3312225140	Under 1.5 mm in diameter.....	14	(D)		(D) r/	205,998 r/	195,660 r/	217,884
3312225150	1.5 mm or above in diameter.....	35	(D)		(D)	1,286,844	676,542	1,120,427
3312225160	Other shape wire.....	8	(D)		-	(D)	(D)	(D)
	Plated or coated with zinc:							
	Round wire:							
3312225170	Under 1.5 mm in diameter.....	13	(D)		(D) r/	26,727 r/	26,237 r/	26,521
3312225180	1.5 mm or above in diameter.....	17	(D)		(D) r/	196,320 r/	139,711 r/	86,705
3312225190	Other shape wire, including flat.....	9	(D)		-	81,785	68,277	(D)
	Other coated wire:							
33122251A0	Flat wire.....	3	-		(D)	2,149	3,018	(D)
33122251B0	Round wire.....	17	(D)		(D)	137,816	141,540	128,584
33122251C0	Other shape wire.....	6	-		-	75,011	81,819	75,011
	Wire products:							
	Rope and cable:							
3312221110	Rope and cable.....	12	(D)		- r/	182,184 r/	391,377 r/	(D)
3312221112	Rope assemblies, including lifting slings.....	3	-		-	(D)	(D)	(D)
3312221214	Forms and composite rope and cable.....	1	-		-	(D)	(D)	(D)

Continued

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2000  
 [Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Steel consumed in producing plants		Total shipments		Net shipments 4/ (quantity)
			Receipts 2/3/ (quantity)	(quantity)	Quantity	Value f.o.b. plant	
	Wire strand:						
3312221230	For prestressed concrete.....	5	-	-	209,497	131,257	209,497
3312221240	Other.....	14	-	-	180,780	225,049	180,780
	Nails, staples, tacks, spikes and brads:						
	Round wire nails:						
3312223101	Collated and prepackaged.....	6	-	-	114,776	163,277	114,776
	Not collated, smooth shank:						
	Coated, plated or painted:						
3312223103	Galvanized.....	3	-	-	(D)	(D)	(D)
3312223105	Vinyl resin or cement coated.....	2	-	-	(D)	(D)	(D)
3312223107	Other.....	2	-	-	(D)	(D)	(D)
3312223109	Not coated, plated or painted.....	2	-	-	(D)	(D)	(D)
	Not collated, other than smooth shank:						
3312223111	Coated, plated or painted.....	2	-	-	(D)	(D)	(D)
3312223113	Not coated, plated or painted.....	2	-	-	(D)	(D)	(D)
3312223122	Steel cut nails, including horseshoe nails.....	5	-	-	(D)	(D)	(D)
3312223124	Steel wire staples.....	5	-	r/	100,144 r/	102,814 r/	100,144
3312223126	Steel tacks, wire and cut.....	1	-	-	(D)	(D)	(D)
3312223128	Steel spikes and brads, including track spikes.....	2	-	-	(D)	(D)	(D)
	Fencing and fence gates:						
3312227101	Chain link fencing, including galvanized and plastics coated.....	2	(D)	-	(D)	(D)	(D)
3312227110	Wire fence, woven and welded.....	11	(D)	-	(D)	(D)	(D)
3312227112	Fence gates, posts, and fittings and ornamental lawn fence.....	-	-	-	-	-	-
	Woven wire products:						
3312229110	Netting.....	9	(D)	-	73,147	85,327	(D)
3312229112	Other.....	-	-	-	-	-	-
	Other wire products:						
331222B110	Barbed and twisted wire.....	6	(D)	-	118,924	103,837	(D)
331222B120	Bale ties.....	7	-	-	44,677	30,026	44,677
	Welded steel wire fabrics, including concrete reinforcing mesh.....	2	-	-	(D)	(D)	(D)
331222B124	Garment hangers.....	2	-	-	(D)	(D)	(D)
331222B126	All other.....	2	-	-	(D)	(D)	(D)
	Alloy steel.....	76	(D)	(D)	7,911,550	6,025,292	7,310,020
3311113120	Ingots.....	11	(D)	(D)	275,602	198,288	335,728
	Semifinished products:						
3311113160	Blooms, billets, sheet bars, rounds, and skelp.....	14	(D)	(D)	414,882	326,222	202,514
33111131A0	Wire rods.....	4	(D)	(D)	(D)	(D)	(S)
3311113170	Slabs.....	3	(D)	(D)	(D)	(D)	(S)
	Finished products:						
3311117150	Plates, cut lengths.....	8	(D)	(D)	846,670	540,176	846,089
3311117160	Plates, in coils.....	2	(D)	-	(D)	(D)	(D)
3311117170	Structural shapes (3 inches and under).....	2	-	-	(D)	(D)	(D)
	Sheet:						
3311115170	Hot rolled.....	9	19,256	-	1,214,260	488,744	1,195,004
3312211130	Cold rolled.....	7	(D)	-	210,224	118,738	(D)
	Sheet and strip:						
	Galvanized:						
3311115180	Hot dipped.....	3	-	-	(D)	(D)	(D)
3311115190	All other metallic coated, including electrolytic.....	6	(D)	-	(D)	(D)	(D)
	Strip:						
33111151A0	Hot rolled.....	3	27,517	-	1,449	1,267	(S)
3312211140	Cold rolled.....	11	17,153	-	313,373	545,267	296,220
	Bars:						
33111171C0	Hot rolled, including structural shapes under 3 inches.....	17	250,282	245	2,114,545	1,155,937	1,864,508
3312213120	Cold finished.....	27	(D)	-	318,994	412,797	(D)
	Tool steel:						
33111171F0	High speed.....	7	(D)	-	12,774	103,735	(D)
33111171G0	Other than high speed.....	7	(D)	-	38,390	133,687	(D)
	Pipe and tubes:						
3312100140	Oil country goods and line pipe.....	9	(D)	-	904,611	740,027	(D)
3312100170	Pressure tubing.....	5	-	-	6,984	30,867	6,984
33121001C0	Mechanical tubing.....	11	(D)	-	378,044	567,272	(D)
33121001H0	Miscellaneous, including standard and structural.....	5	-	-	(D)	(D)	(D)
33122251D0	Wire (plain and coated).....	13	6,779	-	45,810	113,199	39,031
	Stainless steel.....	80	(D)	(D)	2,615,123	5,980,427	1,849,522
3311113130	Ingots.....	8	(D)	(D)	65,831	116,345	29,041
	Semifinished products:						
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	13	(D)	(D)	301,573	413,649	340,917
33111131B0	Wire rods.....	5	7,892	-	(D)	(D)	(D)

Continued

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 2000  
 [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		Net shipments 4/ (quantity)
					Quantity	Value f.o.b. plant	
<b>Finished products:</b>							
3311117180	Plates and structurals.....	9	4,641	-	227,769	574,852	223,128
<b>Sheet and strip:</b>							
33111151B0	Hot rolled.....	5	(D)	(D)	228,002	374,409	(S)
3312211150	Cold rolled.....	18	(D)	(D)	1,424,989	2,781,781	1,296,190
<b>Bars:</b>							
33111171D0	Hot rolled.....	8	(D)	-	25,042	91,651	(D)
3312213130	Cold finished.....	13	(D)	-	116,622	505,284	(D)
<b>Pipe and tubes:</b>							
<b>Pressure tubing:</b>							
3312100180	Seamless.....	6	(D)	(D)	4,405	53,860	4,957
3312100190	Welded.....	11	(D)	-	60,015	278,102	(D)
<b>Mechanical tubing:</b>							
33121001D0	Seamless.....	6	(D)	-	2,544	61,220	(D)
33121001E0	Welded.....	16	(D)	(D)	73,605	330,580	73,605
33121001J0	Other pipe and tubes.....	7	(D)	(D)	9,058	50,642	9,117
<b>Wire:</b>							
<b>Round wire:</b>							
33122251E0	Under 0.75 mm in diameter.....	12	(D)	-	17,756	115,020	(D)
33122251F0	0.75 mm to under 1.5 mm in diameter.....	12	86	-	6,229	37,957	6,143
33122251G0	1.5 mm and above in diameter.....	15	1,766	-	24,536	106,528	22,770
33122251H0	Other shape wire, including flat wire.....	11	(D)	-	1,480	17,907	(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 the 3312225 series also include products in the 3311119 series; same applies for 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 2000 are as follows: total, 6,845,060 metric tons; carbon, 6,632,711 metric tons; alloy, 57,537 metric tons; stainless, 154,812 metric tons.

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

5/Product code 331111L combines product codes 331111L10, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

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

Table 4. Minimill Shipments of Selected Steel Mill Products: 2001 and 2000  
 [Quantity in metric tons]

Product code 1/	Product description	2001				2000			
		No. of mini-mill cos.	Industry	Minimills	Percent of minimills	No. of mini-mill cos.	Industry	Minimills	Percent of minimills
3311113110	Carbon steel 2/.....	26	39,645,069	16,774,982	41.8	27	44,190,446	18,382,639	41.2
	Ingots.....	1	122,462	(D)	(D)	1	128,713	(D)	(D)
	Semifinished products:								
3311113140, 50	Blooms, billets, slabs, sheet bars, tin mill bars, tube rounds, and skelp.....	17	2,563,708	1,023,077	39.9	18	3,069,232	1,156,381	37.7
3311113190	Wire rods.....	5	3,771,870	1,678,122	44.5	5	4,630,150	1,997,858	43.1
	Finished products:								
3311117110, 20	Plates, all lengths.....	4	3,571,613	1,453,405	41.1	5	3,716,406	1,680,027	45.2
3311115160	Hot-rolled strip.....	4	(D)	824,198	(D)	4	(D)	827,400	(D)
	Structural shapes (heavy):								
3311117130	Wide flange.....	3	3,455,856	1,804,885	52.2	3	3,786,564	1,826,914	48.2
3311117140	Standard heavy shapes.....	6	1,215,693	1,005,018	82.7	6	1,222,997	1,002,610	82.0
33111171E0	Sheet piling and bearing piles.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
	Bars:								
3311117190	Hot rolled (except concrete reinforcing).....	15	5,477,496	3,057,074	55.8	15	6,413,239	3,645,464	56.8
33111171A0	Light structurals, under 3 inches.....	7	1,107,810	759,313	68.5	7	1,387,506	1,010,702	72.8
33111171B0	Concrete reinforcing.....	10	6,139,559	4,064,192	66.2	10	6,084,198	4,026,237	66.2
3312213110	Cold finished.....	2	1,172,155	(D)	(D)	2	1,440,308	(D)	(D)
331111L	Rails, wheels, and track accessories 3/.....	2	750,847	(D)	(D)	2	869,245	(D)	(D)
	Pipe and tube:								
3312100110	Line pipe, 16 inches outside diameter and under.....	2	895,855	(D)	(D)	2	1,035,976	(D)	(D)
3312100130	Oil country goods.....	2	696,402	(D)	(D)	2	819,469	(D)	(D)
33121001A0	Mechanical tubing, seamless...	1	100,462	(D)	(D)	1	122,683	(D)	(D)
33121001F0	Structurals.....	2	1,400,985	(D)	(D)	2	1,584,539	(D)	(D)
33121001G0	Miscellaneous, including standard pipe.....	2	1,425,638	(D)	(D)	2	1,504,837	(D)	(D)
3312225	Wire 4/.....	3	(D)	(D)	(D)	3	(D)	(D)	(D)
331222	Wire products 5/.....	2	1,041,610	(D)	(D)	2	934,025	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

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

2/Total data are for selected product codes only.

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

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

5/Product code 331222 combines product codes 3312223122, 331222B110, 3312227110, 331222B120, 3312221110, 3312221230, 3312221240, and 3312229110.

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

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 2001  
 [Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	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.....	84,275,222	54,303,032	3,122,859	3,438,289	12,425,790	7,488,691	93,578,153	58,353,434
	Carbon steel:								
3311113110	Ingots.....	257,031	53,036	23,266	19,979	6,434	9,482	240,199	51,565
3311113140, 50	Semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, and slabs.....	(S) 696,496		57,580	23,310	2,371,429	960,021	(S)	1,633,207
3311113190	Semifinished wire rods.....	1,383,640	1,272,593	-	-	-	-	1,383,640	1,272,593
3311117110, 20	Finished plates, both cut in lengths and in coils.....	3,120,730	1,373,542	-	-	-	-	3,120,730	1,373,542
3311115110, 60	Finished sheet and strip, hot rolled, including hot-rolled bands.....	(D) (D)	(D)	86,898	79,419	9,142	7,281	(D)	(D)
3312211110	Finished sheet, cold rolled.....	10,843,665	5,400,375	383,033	276,418	15,702	7,343	10,476,334	5,131,300
	Finished sheet and strip: Galvanized:								
3311115120	Hot dipped.....	9,678,920	5,332,489	29,522	22,805	805,316	412,935	10,454,714	5,722,619
3311115130	Electrolytic.....	3,434,202	2,286,828	163,110	126,195	-	-	3,271,092	2,160,633
3311115140, 50	Finished sheet and strip, electrical and other metallic coating, including long ternes.....	(D)	(D)	137,512	160,925	253,834	234,187	(D)	(D)
3312211120	Finished strip, cold rolled.....	1,430,778	1,148,759	31,105	34,918	6,735	25,459	1,406,408	1,139,300
	Finished tin mill:								
33111151C0	Black plate.....	412,841	182,793	1,561	451	-	-	411,280	182,342
33111151D0	Electrolytic and hot dipped tin plate.....	2,429,296	1,584,778	205,279	117,747	311,099	217,207	2,535,116	1,684,238
33111151E0, F0	Tin free steel and other tin mill products, including short ternes and foil.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(D)	(D)
3311117130, 40	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	4,657,226	1,832,886	298,409	147,378	663,231	272,842	5,022,048	1,958,350
33111171E0	Finished sheet piling and bearing piles.....	(D)	(D)	8,938	9,109	130,850	86,694	(D)	(D)
	Finished bars:								
3311117190	Hot rolled (except concrete reinforcing).....	4,670,858	2,263,049	101,681	71,242	165,739	84,655	4,734,916	2,276,462
33111171A0	Light structurals, under 3 inches.....	1,089,459	359,403	101,676	45,037	122,885	47,901	1,129,018	362,267
33111171B0	Concrete reinforcing.....	6,132,706	1,840,842	103,460	36,350	1,446,746	394,439	7,475,992	2,198,931
3312213110	Cold finished.....	1,113,814	879,661	33,343	33,270	75,824	64,278	1,156,295	910,669
331111L	Finished rails, wheels, and track accessories 7/.....	657,677	368,275	55,324	38,718	190,856	114,211	793,209	443,768
3312100110, 20	Finished line pipe, all diameters.....	(D)	(D)	105,456	121,418	881,623	597,923	(D)	(D)
3312100130	Finished pipe and tubes, oil country goods.....	630,670	474,106	122,261	185,595	375,468	180,331	883,877	468,842
33121001F0	Finished pipe and tubes, structurals.....	1,399,538	689,127	84,831	105,817	529,716	296,315	1,844,423	879,625
3312100150, 60, A0, B0, G0	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	5,191,535	4,146,273	95,052	71,405	1,119,908	697,646	6,216,391	4,772,514
3312225110, 20, 30, 40, 50, 60	Finished plain wire.....	(D)	(D)	37,444	50,910	-	-	(D)	(D)
3312225170, 80, 90	Finished wire, plated or coated with zinc.....	140,298	235,325	16,031	17,305	-	-	124,267	218,020
33122251A0, B0, C0	Finished wire, plated or coated, other than with zinc.....	(D)	(D)	31,540	39,962	-	-	(D)	(D)
3312223120	Finished wire nails and staples.....	(S)	(S)	17,970	45,204	336,069	284,325	(S)	(S)
331222B110	Finished barbed and twisted wire.....	46,381	31,014	3,091	5,017	9,496	9,276	52,786	35,273
3312227110, 10	Finished wire fence (woven and welded) and woven wire netting.....	334,499	295,476	12,719	25,559	87,136	98,139	408,916	368,056
331222B120	Finished wire bale ties.....	46,381	31,014	(NA)	(NA)	(NA)	(NA)	46,381	31,014
3312221110	Finished wire rope and cable.....	157,737	321,427	10,048	27,977	93,054	156,785	240,743	450,235
3312221230	Finished wire strand for prestressed concrete.....	211,262	119,947	2,450	3,166	82,545	51,049	291,357	167,830
3312221240	Finished wire strand (except for prestressed concrete).....	154,687	183,566	(NA)	(NA)	(NA)	(NA)	154,687	183,566
	Alloy steel (except stainless):								
3311113120	Ingots.....	319,078	209,475	18,373	27,423	23,783	18,371	324,488	200,423
3311113160, 70	Semifinished blooms, billets, sheet bars, tube rounds, skelp, and slabs.....	(D)	(D)	9,795	18,879	594,253	160,125	(D)	(D)
33111151A0, 5170, 80, 90	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	575,823	712,691	135,337	141,681	417,402	338,245	857,888	909,255
3311117150, 60									
3312211130, 40									

Continued

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 2001  
 [Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	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
33111131A0, 7170, 71C0, 3312213120	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold-finished.....	208,164	355,850	166,165	165,091	660,772	436,623	702,771	627,382
	Finished tool steel:								
33111171F0	High speed.....	5,864	67,184	1,120	10,439	3,167	19,070	7,911	75,815
33111171G0	Other than high speed.....	31,795	111,429	19,560	61,855	62,323	92,412	74,558	141,986
3312100140	Finished oil country goods and line pipe.....	876,320	810,004	121,886	196,567	102,183	84,062	856,617	697,499
3312100170	Alloy steel, including stainless, pipe and tubes, n.e.c. ....	638,831	1,405,910	103,138	289,548	200,868	398,126	736,561	1,514,488
C0, H0, D0, E0, J0, 80, 90									
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	29,064	94,982	20,478	53,708	72,372	100,277	80,958	141,551
	Stainless steel:								
3311113130	Ingots.....	31,998	112,836	4,399	18,227	23,373	30,574	50,972	125,183
3311113180	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	292,462	330,082	-	-	-	-	292,462	330,082
33111131B0, D0	Semifinished wire rods and finished bars, hot rolled.....	(S)	435,584	1,054	6,810	51,253	112,404	(S)	541,178
3311117180	Finished plates and structurals.....	218,877	537,569	18,622	67,567	5,236	20,931	205,491	490,933
	Finished sheet and strip:								
33111151B0	Hot rolled.....	(S)	344,728	8,563	27,106	3,464	6,802	(S)	324,424
3312211150	Cold rolled.....	1,159,611	2,459,064	114,009	282,147	23,798	57,385	1,069,400	2,234,302
3312213130	Finished bars, cold finished.....	100,292	441,557	9,727	57,779	65,115	198,097	155,680	581,875
33122251E0, F0, G0, H0	Finished wire.....	37,176	227,148	10,043	70,856	25,591	104,463	52,724	260,755

- 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 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 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.

7/Data for manufactures' shipments, product code 331111L combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170; for exports and imports, product code 331111L combines product codes 331111L110, 331111L120, 331111L130, and 331111L140 (product codes 331111L150, 331111L160, 331111L170 are not applicable. Refer to Table 6 for details.)

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 Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3311113110	Carbon steel: Ingots.....	7206.10.0000	7206.10.0000
		7206.90.0000	7206.90.0000
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
			7207.19.0090
			7207.20.0025
			7207.20.0045
			7207.20.0075
			7207.20.0090
3311113190	Semifinished wire rods.....	7213.31.0000	7213.31.3000
		7213.41.0000	7213.31.6000
			7213.41.3000
			7213.41.6000
		7213.50.0020	
3311117110, 20	Finished plates, both cut in lengths and in coils.....	7208.11.0000	7208.11.0000
		7208.12.0000	7208.12.0000
		7208.21.0000	7208.21.1000
		7208.22.0000	7208.21.5000
		7208.31.0000	7208.22.1000
		7208.32.0000	7208.22.5000
		7208.33.0000	7208.31.0000
		7208.41.0000	7208.32.0000
		7208.42.0000	7208.33.1000
		7208.43.0000	7208.33.5000
		7211.11.0000	7208.41.0000
		7211.12.0000	7208.42.0000
		7211.21.0000	7208.43.0000
		7211.22.0000	7211.11.0000
			7211.12.0000
			7211.21.0000
			7211.22.0045
	7211.22.0090		
3311115110, 60	Finished sheet and strip, hot rolled, including hot-rolled bands.....	7208.13.0000	7208.13.1000
		7208.14.0000	7208.13.5000
		7208.23.0000	7208.14.1000
		7208.24.0000	7208.14.5000
		7208.34.0000	7208.23.1000
		7208.35.0000	7208.23.5030
		7208.44.0000	7208.23.5090
		7208.45.0000	7208.24.1000
		7208.90.0000	7208.24.5030
		7210.70.0000	7208.24.5090
		7211.19.0000	7208.34.1000
		7211.29.0000	7208.34.5000
			7208.35.1000
			7208.35.5000
			7208.44.0000
			7208.45.0000
			7208.90.0000
			7210.70.3000
			7211.19.1000
			7211.19.5000
	7211.29.1000		
	7211.29.3000		
	7211.29.5000		
	7211.29.7030		
	7211.29.7060		
	7211.29.7090		

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3312211110	Finished sheet, cold rolled.....	7209.11.0000	7209.11.0000
		7209.12.0000	7209.12.0030
		7209.13.0000	7209.12.0090
		7209.14.0000	7209.13.0030
		7209.15.0010	7209.13.0090
		7209.15.0050	7209.14.0030
		7209.16.0010	7209.14.0090
		7209.16.0090	7209.21.0000
		7209.17.0010	7209.22.0000
		7209.17.0090	7209.23.0000
		7209.18.1500	7209.24.5000
		7209.18.6000	7209.31.0000
		7209.21.0000	7209.32.0000
		7209.22.0000	7209.33.0000
		7209.23.0000	7209.34.0000
		7209.24.5000	7209.41.0000
		7209.25.0010	7209.42.0000
		7209.25.0050	7209.43.0000
		7209.26.0010	7209.44.0000
		7209.26.0050	7209.90.0000
		7209.27.0010	
		7209.27.0050	
		7209.28.0010	
		7209.28.0050	
		7209.31.0000	
		7209.32.0000	
		7209.33.0000	
		7209.34.0000	
		7209.41.0000	
		7209.42.0000	
7209.43.0000			
7209.44.0000			
7209.90.0000			
3311115120	Finished sheet and strip, galvanized, hot dipped.....	7210.41.0000	7210.41.0000
		7210.49.0000	7210.49.0030
		7212.30.0000	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	7210.31.0000
		7210.30.0060	7210.39.0000
		7210.31.0000	7212.21.0000
		7210.39.0000	7212.29.0000
		7212.20.1000	
		7212.20.5000	
		7212.21.0000	
7212.29.0000			
3311115140, 50	Finished sheet and strip, electrical and other metallic coating including long ternes.....	7210.20.0000	7210.20.0000
		7210.50.0000	7210.60.0000
		7210.60.0000	7210.70.6030
		7210.70.0000	7210.70.6060
		7210.90.1000	7210.70.6090
		7210.90.5000	7210.90.1000
		7212.40.0000	7210.90.6000
		7212.50.0000	7210.90.9000
		7212.60.0000	7212.40.1000
			7212.40.5000
			7212.50.0000
	7212.60.0000		

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3312211120	Finished strip, cold rolled.....	7211.30.0000	7211.30.1030
		7211.41.0000	7211.30.1090
		7211.49.0000	7211.30.3000
		7211.90.0000	7211.30.5000
			7211.41.1000
			7211.41.3030
			7211.41.3090
			7211.41.5000
			7211.41.7030
			7211.41.7060
			7211.41.7090
			7211.49.1030
			7211.49.1090
			7211.49.3000
			7211.49.5030
	7211.49.5060		
	7211.49.5090		
	7211.90.0000		
33111151C0	Finished tin mill products: Blackplate.....	7209.18.2500	7209.24.1000
		7209.24.1000	
33111151D0	Electrolytic and hot dipped tin plate.....	7210.11.0000	7210.11.0000
		7210.12.0000	7210.12.0000
		7212.10.0000	7212.10.0000
33111151E0, FO	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	7216.31.0000
		7216.32.0000	7216.32.0000
		7216.33.0000	7216.33.0030
		7216.40.0000	7216.33.0060
		7216.50.0000	7216.33.0090
		7216.60.0000	7216.40.0010
		7216.90.0000	7216.40.0050
			7216.50.0000
			7216.60.0000
			7216.90.0000
33111171E0	Finished sheet piling and bearing piles.....	7301.10.0000	7301.10.0000
3311117190	Finished bars: Hot-rolled bars (except reinforcing).....	7213.20.0000	7213.20.0000
		7213.39.0000	7213.39.0030
		7213.49.0000	7213.39.0060
		7213.50.0000	7213.39.0090
		7214.10.0000	7213.49.0030
		7214.30.0000	7213.49.0060
		7214.40.0000	7213.49.0090
		7314.50.0000	7213.50.0040
		7214.60.0000	7213.50.0060
		7215.90.0000	7213.50.0080
			7214.10.0000
			7214.30.0000
			7214.40.0010
			7214.40.0030
			7214.40.0050
			7214.50.0010
			7214.50.0030
	7214.50.0050		
	7214.60.0010		
	7214.60.0030		
	7214.60.0050		
	7215.90.1000		

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3311171A0	Light structurals, under 3 inches.....	7216.10.0000	7216.10.0010
		7216.21.0000	7216.10.0050
		7216.22.0000	7216.21.0000 7216.22.0000
3311171B0	Concrete reinforcing.....	7213.10.0000	7213.10.0000
		7214.20.0000	7214.20.0000
3312213110	Cold finished.....	7215.10.0000	7215.10.0000
		7215.20.0000	7215.20.0000
		7215.30.0000	7215.30.0000
		7215.40.0000	7215.40.0000
		7215.90.0000	7215.90.3000 7215.90.5000
331111L110	Finished rails, standard tee, over 60 lbs per yard.....	7302.10.1020	7302.10.1010 7302.10.1035
331111L120	Finished rails, n.e.c., including light (60 lbs per yard and under).....	7302.10.1030	7302.10.1015
			7302.10.1025
			7302.10.1045
			7302.10.1055
331111L130, 40	Joint bars and tie plates.....	7302.40.0000	7302.40.0000
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	7304.10.1020
		7304.10.1050	7304.10.1030
		7304.10.1080	7304.10.1045
		7305.11.1000	7304.10.1060
		7305.12.1000	7304.10.1080
		7305.19.1000	7305.11.1030
		7306.10.1000	7305.11.1060
			7305.12.1030
			7305.12.1060
			7305.19.1030
			7305.19.1060
3312100130	Finished pipe and tubes, oil country goods.....	7304.20.1500	7304.20.1010
		7304.20.5000	7304.20.1020
		7304.20.7000	7304.20.1030
		7304.21.3000	7304.20.1040
		7304.29.1055	7304.20.1050
		7304.29.5000	7304.20.1060
		7305.20.3000	7304.20.1080
		7306.20.1500	7304.20.2010
		7306.20.6000	7304.20.2020
			7304.20.2020
			7304.20.2030
			7304.20.2040
			7304.20.2050
			7304.20.2060
			7304.20.2080
			7304.20.5015
			7304.20.5030
			7304.20.5045
			7304.20.5060
			7304.20.5075
			7304.20.7000
	7305.20.2000		
	7305.20.4000		
	7306.20.1030		
	7306.20.1090		
	7306.20.2000		
	7306.20.6010		
	7306.20.6050		

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
33121001F0	Finished pipe and tubes, structurals.....	7304.90.4000	7304.90.1000
		7305.90.1000	7304.90.5000
		7306.60.2500	7305.90.1000
		7306.90.1000	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	7304.31.6010
		7304.39.0000	7304.31.6050
		7305.31.4000	7304.39.0002
		7305.39.1000	7304.39.0004
		7306.30.1000	7304.39.0006
		7306.30.1500	7304.39.0008
			7304.39.0016
			7304.39.0020
			7304.39.0024
			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		
3312225110	Finished plain, flat wire.....	(NA)	7217.11.1000
			7217.11.2000
			7217.11.3000
			7217.21.1000
			7217.31.1000
3312225120	Finished plain, round wire, thermally treated, under 1.5 mm in diameter.....	(NA)	7217.11.5020
			7217.11.5040
			7217.21.3015
			7217.21.3030
			7217.31.3015
	7217.31.3030		
3312225130	Finished plain, round wire, thermally treated, 1.5 mm or above in diameter.....	(NA)	7217.11.7030
			7217.21.3045
			7217.31.3045

Continued

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3312225140	Finished plain, round wire, other than thermally treated, under 1.5 in diameter.....	(NA)	7217.11.5060 7217.11.5080 7217.21.3060 7217.21.3075 7217.31.3060 7217.31.3075
3312225150	Finished plain, round wire, other than thermally treated, 1.5 mm or above in diameter.....	(NA)	7217.11.7090 7217.21.3090 7217.31.3090
3312225160	Finished plain wire, n.e.c., including flat.....	(NA)	7217.11.9000 7217.21.5000 7217.31.5000
3312225110, 20, 30, 40, 50, 60	Finished plain wire.....	7217.10.1510 7217.10.2510 7217.10.7510 7217.11.0000 7217.21.0000 7217.31.0000	(NA)
3312225170	Finished round wire, plated or coated with zinc, under 1.5 mm in diameter....	(NA)	7217.12.3030 7217.12.3060 7217.22.1015 7217.22.1030 7217.32.1015 7217.32.1030
3312225180	Finished round wire, plated or coated with zinc, 1.5 mm or above in diameter.....	(NA)	7217.12.5000 7217.22.1050 7217.32.1050
3312225190	Finished wire shapes, except round, plated or coated with zinc, including flat.....	(NA)	7217.12.1000 7217.12.7000 7217.22.5000 7217.32.5000
3312225170, 80, 90	Finished wire, plated or coated with zinc.....	7217.12.0000 7217.20.1010 7217.20.5010 7217.20.9010 7217.22.0000 7217.32.0000	(NA)
33122251A0, B0, C0	Finished wire, plated or coated, other than with zinc.....	7217.13.0000 7217.19.0000 7217.23.0000 7217.29.0000 7217.30.1010 7217.30.5010 7217.30.9010 7217.33.0000 7217.39.0000	7217.13.1000 7217.13.3030 7217.13.5000 7217.13.7000 7217.19.1000 7217.19.5000 7217.23.1015 7217.23.1030 7217.23.1050 7217.23.5000 7217.29.1000 7217.29.5000 7217.33.1015 7217.33.1030 7217.33.1050 7217.33.5000 7217.39.1000 7217.39.5000 7247.13.3060

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3312223120	Finished wire nails and staples.....	7317.00.9000	7317.00.5505 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
331222B110	Finished barbed and twisted wire.....	7313.00.0000	7313.00.0000
3312227110, 9110	Finished wire fence (woven and welded) and woven wire netting.....	7314.20.0000 7314.30.0000 7314.41.0000 7314.42.0000 7314.49.0000	7314.20.0000 7314.30.1000 7314.30.5000 7314.41.0030 7314.41.0060 7314.42.0030 7314.42.0060 7314.49.3000 7314.49.6000
331222B120	Finished wire bale ties.....	(NA)	(NA)
3312221110	Finished wire rope and cable.....	7312.10.8500	7312.10.7000 7312.10.8000 7312.10.9030 7312.10.9060 7312.10.9090
3312221230	Finished wire strand for prestressed concrete.....	7312.10.3015	7312.10.3010 7312.10.3012
3312221240	Finished wire strand (except for prestressed concrete).....	(NA)	(NA)
3311113120	Alloy steel (except stainless): Ingots.....	7224.10.0000	7224.10.0005 7224.10.0045 7224.10.0075
3311113160, 7150	Semifinished blooms, billets, sheet bars, tube rounds, skelp and slabs.....	7224.90.0000	7224.90.0005 7224.90.0015 7224.90.0025 7224.90.0035 7224.90.0045 7224.90.0055 7224.90.0065 7224.90.0075
3311117150, 60	Finished plates, both cut in lengths and in coils.....	(NA)	7225.30.1000 7225.30.3005 7225.30.3050 7225.40.1015 7225.40.1090 7225.40.3005 7225.40.3050 7225.50.6000 7226.91.5000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
331115170, 80, 90 3312211130	Finished sheet and strip, hot and cold rolled, galvanized, hot dipped and other metallic coated, including electrolytic.....	(NA)	7225.10.0000 7225.20.0000 7225.30.5030 7225.30.5060 7225.30.7000 7225.40.5030 7225.40.5060 7225.40.5070 7225.50.1030 7225.50.1060 7225.50.7000 7225.50.8000 7225.90.0000
3311151A0, 1140	Finished strip, hot rolled or cold finished.....	(NA)	7226.10.1000 7226.10.5030 7226.10.5060 7226.20.0000 7226.91.0500 7226.91.1530 7226.91.1560 7226.91.2530 7226.91.2560 7226.91.7000 7226.91.8000 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 7226.99.0000
3311151A0, 5170, 80, 90 331117150, 60 3312211130, 40,	Finished plate, sheet or strip, both hot- and cold-rolled or cold finished.....	7225.10.0000 7225.20.0000 7225.30.0000 7225.40.0000 7225.50.0000 7225.90.0000 7226.10.0000 7226.20.0000 7226.91.0000 7226.92.2000 7226.92.4000 7226.99.0000	(NA)
3311131A0, 331117170, 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 7227.20.0000 7227.90.0000 7228.20.0000 7228.30.8000 7228.40.0000 7228.50.5000 7228.60.5000 7228.70.0000 7228.80.0000	7227.10.0000 7227.20.0000 7227.90.1030 7227.90.1060 7227.90.2030 7227.90.2060 7227.90.6005 7227.90.6050 7228.20.1000 7228.20.5000 7228.30.8005 7228.30.8050 7228.50.5005 7228.50.5050 7228.60.6000 7228.60.8000 7228.70.3020 7228.70.3040 7228.70.3060 7228.70.3080 7228.70.6000 7228.80.0000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
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 7304.20.3500 7304.20.6000 7304.20.8000 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 7304.20.3010 7304.20.3020 7304.20.3030 7304.20.3040 7304.20.3050 7304.20.3060 7304.20.3080 7304.20.4010 7304.20.4020 7304.20.4030 7304.20.4040 7304.20.4050 7304.20.4060 7304.20.4080 7304.20.6015 7304.20.6030 7304.20.6045 7304.20.6060 7304.20.6075 7304.20.8030 7304.20.8045 7304.20.8060 7305.11.5000 7305.12.5000 7305.19.5000 7305.20.6000 7305.20.8000 7306.10.5010 7306.10.5050 7306.20.3000 7306.20.4000 7306.20.8010 7306.20.8050
3312100170	Finished pressure tubing.....	(NA)	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

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
33121001C0, D0, E0, H0, J0	Alloy steel, including stainless, finished pipe and tubes, n.e.c., including mechanical, standard, and structural.....	(NA)	7304.41.0045
			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
			7306.40.1000
			7306.40.1030
			7306.40.1090
			7306.40.5040
			7306.40.5045
			7306.40.5055
			7306.40.5060
			7306.40.5065
7306.40.5075			
7306.40.5080			
7306.40.5090			
7306.50.1000			
7306.50.3000			
7306.50.5030			
7306.50.5050			
7306.50.5070			
7306.60.3000			
7306.60.7000			
	Stainless steel:		
3312100180	Pressure tubing, seamless.....	(NA)	7304.41.0015 7304.49.0045
3312100190	Pressure tubing, welded.....	(NA)	7306.40.5015
3312100170, 80, 90 33121001C0, D0, E0, H0, J0	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	(NA)

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	7229.10.0000	7229.10.0000
		7229.20.0000	7229.20.0000
		7229.90.0000	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
	3311113180	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	7218.90.0005
7218.90.0015			
7218.90.0025			
7218.90.0032			
7218.90.0038			
7218.90.0040			
7218.90.0050			
7218.90.0060			
7218.90.0075			
7218.90.0085			
7218.90.0095			
33111131B0, 71D0	Semifinished wire rods and finished bars, hot rolled.....	7221.00.0000	7221.00.0005
		7222.10.0000	7221.00.0015
			7221.00.0030
			7221.00.0045
			7221.00.0075
			7222.10.0005
			7222.10.0050
3311113180	Finished plates and structurals.....	7219.11.0000	7219.11.0000
		7219.12.0000	7219.12.0005
		7219.21.0000	7219.12.0015
		7219.22.0000	7219.12.0045
		7219.31.0000	7219.12.0075
		7220.11.0000	7219.21.0005
		7222.40.0000	7219.21.0050
			7219.22.0005
			7219.22.0050
			7219.31.0010
			7219.31.0050
			7220.11.0000
			7222.40.3020
			7222.40.3040
			7222.40.3060
			7222.40.3080
			7222.40.6000
33111151B0	Finished sheet and strip, hot rolled.....	7219.13.0000	7219.13.0030
		7219.14.0000	7219.13.0060
		7219.23.0000	7219.14.0030
		7219.24.0000	7219.14.0060
		7220.12.0000	7219.23.0030
			7219.23.0060
			7219.24.0030
			7219.24.0060
	7220.12.1000		
	7220.12.5000		

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3312211150	Finished sheet and strip, cold rolled.....	7219.32.0000	7219.32.0015
		7219.33.0000	7219.32.0030
		7219.34.0000	7219.32.0045
		7219.35.0000	7219.32.0050
		7219.90.0000	7219.32.0060
		7220.20.0000	7219.33.0015
		7220.90.0000	7219.33.0030
			7219.33.0045
			7219.33.0060
			7219.34.0010
			7219.34.0050
			7219.35.0010
			7219.35.0050
			7219.90.0000
			7220.20.1000
	7220.20.6005		
	7220.20.6050		
	7220.20.7005		
	7220.20.7050		
	7220.20.8000		
	7220.20.9000		
	7220.90.0000		
3312213130	Finished bars, cold finished.....	7222.20.0000	7222.20.0005
		7222.30.0000	7222.20.0045
			7222.20.0075
			7222.30.0000
33122251E0	Finished round wire, under 0.75 mm in diameter.....	(NA)	7223.00.1015 7223.00.1030
33122251F0	Finished round wire, 0.75 mm to under 1.5 mm.....	(NA)	7223.00.1045
33122251G0	Finished round wire, 1.5 mm and above.....	(NA)	7223.00.1060 7223.00.1075
33122251H0	Finished wire, n.e.c., including flat.....	(NA)	7223.00.5000 7223.00.9000
33122251E0, FO, GO, HO	Finished wire.....	7223.00.0000	(NA)

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

1/Source: 2001 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2001).

# Appendix.

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

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### 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.)

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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.

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**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.