

MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

Report to the Subcommittee on
Trade, Committee on Ways
and Means, on Investigation
No. 332-226 Under Section
332 of the Tariff Act
of 1930



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Monthly Review: Eastern Europe

The political and economic changes occurring in Eastern Europe could significantly affect world production and trade patterns. Following is a discussion with respect to one of the region's major industries, steel.

Production

Raw steel production in Eastern Europe (defined for the purposes of this analysis to include Poland, Czechoslovakia, Romania, the German Democratic Republic (GDR), Hungary and Bulgaria) was relatively stable during 1985-89, averaging 60.6 million metric tons per year. Over the same period, the region's share of total world production fell, declining from 8.3 percent in 1985 to 7.5 percent in 1989. As shown in the following tabulation, Poland, Romania and Czechoslovakia were the leading producers in the region in 1989, accounting for 76 percent of the total:

Raw steel production in Eastern Europe in 1989
(Millions of metric tons)

Czechoslovakia	15.5
Poland	15.2
Romania	13.5
German Dem. Rep.	7.9
Hungary	3.5
Bulgaria	2.8
Total	58.4

Source: Compiled from statistics of the International Iron and Steel Institute (IISI).

Data available on production techniques suggests that steelmaking technology in these countries lags behind that used in other countries in certain key areas. For example, production in open hearth furnaces, a technology which is in the process of being phased out in most Western countries, accounted for about 35 percent of total steel production in Eastern Europe in 1988, as compared to about 3 percent in the Western countries (and 5 percent in the United States). Moreover, the share of steel produced using continuous casters, which lower processing costs and improve product quality, totaled 23 percent in 1988, as compared to 79 percent in Western countries (and 61 percent in the United States).

Foreign trade

Eastern European countries are major traders of steel products, exporting an estimated 40 percent of their finished steel production.¹ As shown below, exports (data on which include commerce between the Eastern European countries) increased steadily during 1985-88, and represented approximately 10 percent of total world exports. Imports (including internal trade), which accounted for approximately 7 percent of total world imports, grew more markedly, resulting in a 20 percent decline in net exports.

¹ Estimated by staff members of the U.S. International Trade Commission.

Eastern European imports, exports and net exports, 1/ 1985-88
(Millions of metric tons)

	Exports	Imports	Net exports
1985	15.3	10.3	5.0
1986	15.7	10.9	4.8
1987	16.4	11.5	4.9
1988	16.6	12.6	4.0

1/ Data on imports and exports include commerce between Eastern European countries; net exports, however, reflect the net trade position of the region.

Source: Compiled from statistics of the IISI.

Data on trading patterns of Bulgaria, Czechoslovakia, Hungary and Poland indicate that between 1981 and 1987 approximately one-third of the region's exports were destined for Eastern Europe or the Soviet Union; about 40 percent of the region's exports were shipped to Western European countries.²

Trade with the United States

In recent years, Eastern European countries have played a relatively minor role in the U.S. market, accounting for 1-3 percent of total U.S. steel imports during 1983-88 (or less than one percent of apparent consumption). Their trade interest was great enough, however, to lead five of the six countries to negotiate voluntary restraint agreements with the United States.³ The sole exception, Bulgaria, has supplied little, if any, tonnage to the U.S. market in recent years. As shown below, Romania, the GDR, and Poland were the largest regional suppliers to the U.S. market, accounting for 80 percent of total U.S. steel imports from the six countries:

U.S. steel imports from Eastern Europe, 1983-88
(Thousands of metric tons)

	1983	1984	1985	1986	1987	1988
Romania	9	247	321	79	75	93
German Dem. Rep.	12	248	94	55	87	84
Poland	70	120	87	55	83	81
Czechoslovakia	17	57	42	29	27	34
Hungary	2	37	26	19	25	27
<u>Bulgaria</u>	0	1/	1	0	1/	1
Total 2/	110	709	570	237	297	320

1/ Less than 500. 2/ Totals were calculated using unrounded data.

Source: Compiled from official statistics of the U.S. Department of Commerce.

² Colin Humphrey, Perestroika in Steel: A View of East European Markets. A paper presented to the Metal Bulletin Third European Steel Conference in Munich, Germany, October, 1989.

³ See appendix E for a breakdown of the export ceilings for Poland, Hungary, and East Germany. The details of the VRAs with Czechoslovakia and Romania are not yet available.

In terms of product mix, carbon steel⁴ plate was the product imported the most (accounting for 42 percent of the quantity of regional steel imports in 1988), followed by carbon steel sheets and strip (23 percent), carbon steel pipes and tubes (15 percent), and carbon steel wire rod (11 percent). Specialty steel products (i.e., stainless and alloy tool steel) accounted for less than one percent of total imports in the year (1988).

Recent industry developments

The Eastern European countries' steel industries are in various stages of restructuring and modernization; Hungary appears to be at the most advanced stage.

In Hungary, where the continuous casting ratio reached 64 percent in 1988, steel mills no longer need government authorization to sell their products (domestically or abroad) or to purchase their raw materials. In addition, in an attempt to improve operational efficiency, major steelworks are being divided into a number of smaller companies.

The need for further restructuring in the Hungarian industry is reflected in certain ongoing studies. In one sponsored by the World Bank, recommendations were made for capacity reductions and significant reductions in manpower levels at the country's steelworks. In another case, the University of Pittsburgh and USX-UEC, a division of the USX, have jointly undertaken a study to assist the Borsod County (in Hungary) with its efforts to restructure its steel facilities.

Interest in joint ventures in Eastern Europe also appears to be increasing as a means to acquire capital, technology and expanded export markets. In Hungary, three joint ventures have been formed. Korf AG and Metallgesellschaft of West Germany have purchased a 50 percent interest in a steelworks which they plan to restructure; an Austrian firm is reportedly discussing a steel galvanizing joint venture project; and a U.S. firm, Primary Industries Trading, has reportedly entered into a marketing agreement with one of the Hungarian steelworks and will help finance construction of a continuous caster. Joint ventures are likely to be arranged in other East European countries as well. The West German firm Salzgitter has reportedly entered into a cooperative agreement with East German steel interests under which various types of projects and relationships are being explored.

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252-1437.

⁴ For the purposes of this analysis, carbon steel includes alloy grades other than stainless or alloy tool steel.

U.S. STEEL INDUSTRY HIGHLIGHTS

Figure 1
U.S. apparent steel consumption
1,000 short tons

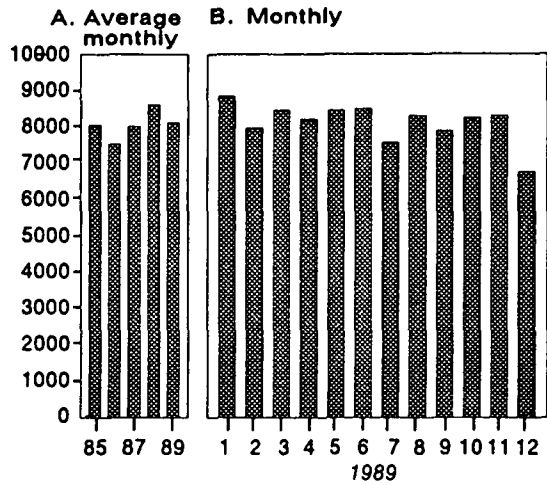


Figure 2
U.S. steel shipments
1,000 short tons

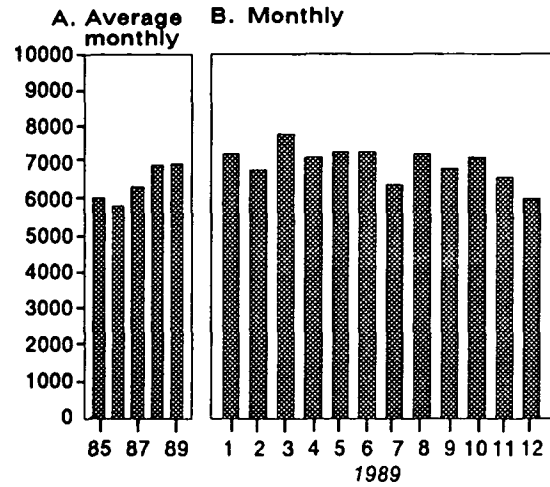


Figure 3
U.S. steel imports
1,000 short tons

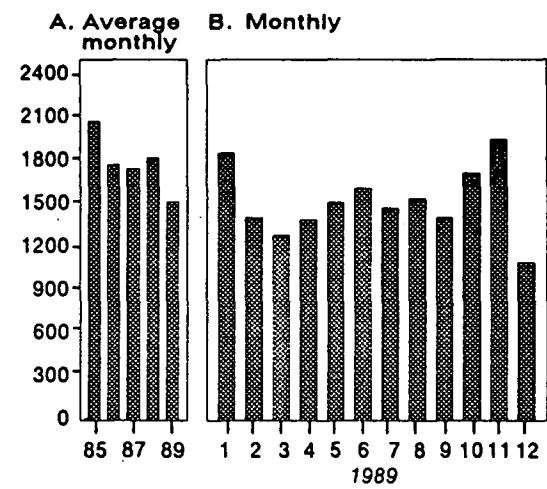


Figure 4
U.S. steel exports
1,000 short tons

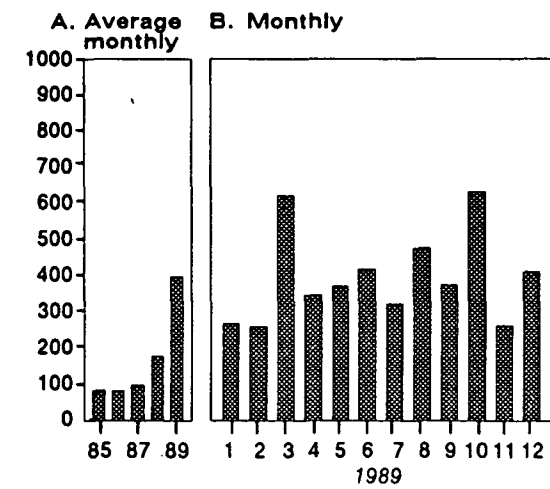


Figure 5
U.S. steel import penetration¹
Percent

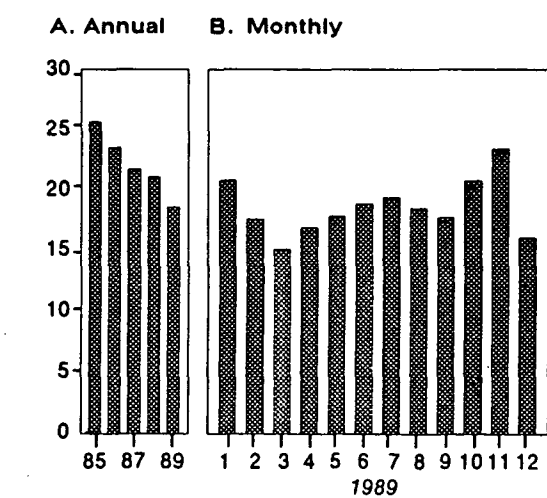
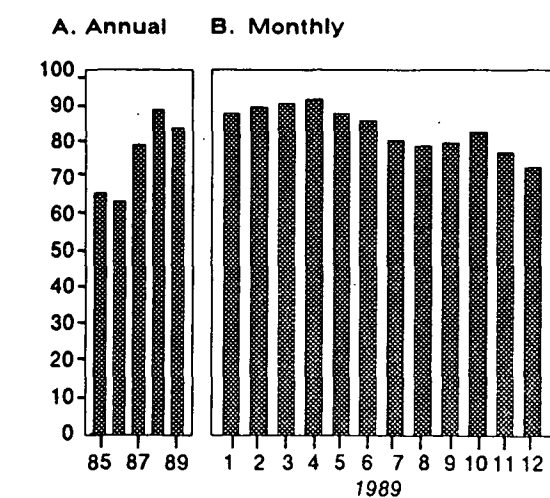


Figure 6
U.S. raw steel capacity utilization
Percent



¹ Import penetration is defined as the percent of apparent consumption represented by imports.

Monthly Review:
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Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives,¹ and in accordance with the provisions of section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1332(g)), the United States International Trade Commission announced the continuation of investigation No. 332-226, Monthly Reports on the Status of the Steel Industry.² The purpose of the reports is to monitor developments in the steel industry through March 1992, which corresponds with the President's extension of the voluntary restraint arrangements (VRAs) with certain countries and regions which export steel to the United States. The original investigation was instituted by the Commission on April 9, 1986.

Background of the VRAs

On September 18, 1984, the President determined, under section 202(b)(1) of the Trade Act of 1974, that taking "escape clause" action was not in the national economic interest (49 Federal Register 36813). The decision followed an investigation conducted by the Commission in which imports of certain steel products were found to be a substantial cause of serious injury, or threat thereof, to certain domestic industries (investigation No. TA-201-51).³ Instead of taking action under the statute, the President established a nine-point policy to address the concerns of the industry. Under this policy, the President directed the United States Trade Representative to negotiate voluntary restraint arrangements (VRAs) to cover a five year period (from October 1, 1984 through September 30, 1989) with countries whose exports to the United States had increased significantly in previous years due to an unfair surge in imports. Although the structure of the arrangements varied from one country to another, each involved an agreement by the foreign government to limit exports of certain steel products to the United States; to bring the agreements into effect, U.S. producers withdrew pending unfair trade petitions and the U.S. Government suspended antidumping and countervailing duties that were in effect on steel products covered by the VRAs. The trade measures were expected to return the share of imports in the U.S. market to a more normal level of approximately 18.5 percent, excluding semifinished steel (which subsequent Administration statements indicated were limited to about 1.7 million tons per year).

Specialty steel

On July 19, 1983, the President announced his decision to grant import relief to the specialty steel industry for a period of 4 years (53

¹See appendix A for a copy of the request.

²See appendix B for the notice of continuation.

³Affirmative decisions were rendered in the case of semifinished steel, plates, sheets and strip, wire and wire products, and structural shapes and units. Negative determinations were rendered in the case of wire rod, railway type products, bars, and pipes and tubes.

Federal Register 52897). The relief was scheduled to expire on July 19, 1987. Under the relief, quotas were placed on imports of stainless steel bars, stainless steel wire rods, and certain alloy tool steel products; increased duties were imposed on stainless steel plates and stainless steel sheets and strip. On July 16, 1987, the President announced his decision to extend the import relief in the form then in effect for a period from July 20, 1987 through September 30, 1989. Under the steel VRAs, in return for their agreement to limit exports of stainless steel plates and sheets and strip, the VRA countries were exempted from having to pay additional duties (with the exception of Finland, whose VRA does not include stainless steel flat-rolled products). Quotas were unaffected by the VRAs for all countries except the EC-10, which negotiated limits on rods, bars, and alloy tool steel as part of its VRA; Brazil, whose VRA includes the specialty steel products subject to quotas; and Austria, which included alloy tool steel in its VRA.

Extension of the VRAs

On July 25, 1989, the President announced a Steel Trade Liberalization Program, under which the VRAs were extended for two and one-half years, terminating on March 31, 1992. The President directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent (which is the same as the 1988 VRA import penetration level). In order to provide incentives for countries to eliminate trade-distorting practices and in order to respond to concerns of steel consumers for adequate supplies of raw materials, the President authorized up to an additional one percent import penetration annually that would be available to countries that entered into bilateral consensus agreements.⁴

On December 12, 1989, the U.S. Trade Representative announced that negotiations had been completed with the European Community and the 16 other countries that previously had VRAs.⁵ As a result of the negotiations, the restraint levels for steel mill products (including semifinished steel) increased to a 19.1 percent share of domestic consumption in the first period of the new VRA program (table A). Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into bilateral consensus agreements.⁶ Product coverage under the VRAs remains essentially unchanged though the agreements have been modified to include those specialty steel products that were previously subject to relief under section 203 of the Trade Act of 1974.

⁴Negotiations for bilateral agreements were conducted in order to restrict trade-distorting practices, and to address the causes rather than the symptoms affecting world trade in steel. See appendix C for the text of the USTR's announcement.

⁵South Africa is the only country with which the United States did not renew the VRA.

⁶Countries or regions with which the U.S. has negotiated bilateral agreements are the EC, Japan, South Korea, Brazil, Mexico, Australia, Trinidad and Tobago, Austria and Yugoslavia. The results of negotiations with Finland are not known.

Table A

Overall ceiling levels under initial and extended voluntary restraint arrangements

Country	VRA I	First Period 1/	Second Period 1/	Third Period 1/
-----Percent-----				
Australia 2/-----	0.26	0.39	0.49	0.59
Austria-----	0.24	0.25	0.25	0.25
Brazil 2/-----	1.35	1.80	2.10	2.10
Czechoslovakia-----	0.04	0.04	0.04	0.04
EC 2/-----	6.94	7.00	7.00	7.00
Finland-----	0.24	0.25	0.25	0.25
East Germany-----	0.11	0.10	0.10	0.10
Hungary-----	0.03	0.05	0.05	0.05
Japan 2/-----	6.19	5.00	5.30	5.30
South Korea 2/-----	1.92	2.45	2.62	2.62
Mexico 2/-----	0.49	0.95	1.10	1.10
PRC-----	0.08	0.08	0.09	0.09
Poland-----	0.09	0.13	0.13	0.13
Romania-----	0.11	0.11	0.11	0.11
Trinidad and Tobago 2/--	0.04	0.12	0.13	0.15
Venezuela-----	0.21	0.33	0.33	0.33
Yugoslavia-----	0.02	0.05	0.05	0.05
Total-----	18.36	19.10	20.14	20.26

¹ Numbers are approximate because some VRAs were negotiated for two 15-month periods, and others were negotiated for other combinations totaling 30 months. Market shares are based on 1989 apparent consumption.

² Includes allocation of bonus percentage (see Preface for explanation). Amount of allocation not specified.

Source: USTR press release, December 12, 1989.

Structure of the Report

- o The Monthly Review section provides perspective on imports and trade by highlighting specific products, countries, or customs areas. The inclusion of such insights, which may not be readily apparent from the report's tabulated data, are intended to focus attention on important events in the steel industry. A chronological listing of Monthly Review topics immediately follows each month's review.
- o Table 1 provides data on key items, including raw steel production, capability utilization, employment, wages, shipments, trade, and financial performance.
- o Tables 2-6 provide data on shipments, imports, exports, apparent consumption, and imports as a percent of apparent consumption by major product for all grades of steel, plus carbon and specialty products separately.
- o Table 7 provides quantity and value data on imports of total steel mill products and certain fabricated products. The EC and each VRA country are specified, as are the top 10 non-VRA suppliers. The table can be used to measure the extent to which penetration is approaching the levels anticipated under the President's steel policy.
- o Table 8 provides data on the quantity of steel other than semifinished steel, which is being imported from the EC, each VRA country, and the top non-VRA suppliers, and the market penetration of each country.
- o Table 9 provides data on the quantity of semifinished steel imported from the EC, each VRA country, and the top non-VRA suppliers, and presents the 1989 semifinished unadjusted export ceilings of each VRA country.
- o Tables 10-29 provide data on the quantity and value of major carbon and specialty steel imports on a product-by-product basis. The EC, each VRA country, and the top non-VRA suppliers are specified.
- o Table 30 provides data on the unit values of selected imports of carbon and specialty steel products.
- o Table 31 provides data on imports of selected carbon and specialty steel products. The table also provides information which permits an examination of the extent to which shifts in product mix within major product categories is occurring.
- o Tables 32-37 provide data on imports of steel mill products and certain fabricated products, by U.S. customs area.

Notes on Product Coverage and Methodology

Data on foreign trade and domestic shipments are compiled from official statistics of the U.S. Department of Commerce and from statistics of the American Iron and Steel Institute (AISI), respectively.

The products for which foreign trade data are collected generally correspond to those covered by the VRAs. Since the VRAs include certain fabricated products (defined as wire strand, wire ropes, cables, cordage and fabricated structural units), the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1988, AISI reported imports of 20.9 million tons, which compares to the 21.9 million tons indicated in this report. The product categories most affected are structural shapes and units (which includes fabricated structurals in this report) and wire and wire products (which includes wire rope and wire strand).

The EC VRA now includes Portugal and Spain, which are no longer subject to separate VRAs.

Unit values are calculated using unrounded data. Import values are customs value. Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedules; the 9802.0060 and 9802.0080 provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

For the purposes of statistical continuity, South Africa continues to be listed as a VRA country.

As of the February, 1990, report, certain data have been revised and certain products definitions have been modified, as follows:

In order to maintain consistency with previous reports, products made of bearing steel, which were categorized as alloy tool steel in accordance with the HTS, have been shifted back to their original TSUS positions under either flat-rolled or bar and rod products. (See Appendix D for details). This change became effective in January, 1989.

Certain adjustments have been made to reflect revisions to the HTS. In addition, data have been revised in a number of product categories to correct problems that occurred in the process of converting to the HTS; the data revisions, however, are minor.

As of the February 1990 report, the source for the data on employment levels in Table 1 was changed from the American Iron and Steel Institute (AISI) to the U.S. Department of Labor, Bureau of Labor Statistics (BLS). AISI employment figures cover reporting companies only. These companies represent a declining share of total raw steel production. (In 1988, they represented 81 percent). The BLS data cover the entire steel industry, as defined by Standard Industrial Code 331.

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Table 1.--Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales 1985-89

Item	1985	1986	1987	1988	1989
Raw steel:					
Production (1,000 short tons).....	88,259	81,606	89,151	99,924	97,480
Capability utilization (percent).....	66.1	63.8	79.5	89.2	84.1
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.6
Employment:					
Total (thousands) <u>1/</u>	302.6	273.5	268.4	277.2	<u>2/</u> 277.3
Production workers (thousands) <u>1/</u>	231.5	208.8	202.9	214.6	<u>2/</u> 214.6
Hourly employment cost <u>3/</u> (dollars).....	22.81	23.24	23.71	24.65	24.63
Steel:					
Shipments (1,000 short tons).....	73,043	70,263	76,654	83,840	84,259
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219
Exports (1,000 short tons).....	992	980	1,176	2,152	4,778
Apparent consumption (1,000 short tons)....	96,936	90,572	96,416	103,558	97,700
Ratio of imports to consumption (percent)..	25.7	23.5	21.7	21.1	18.6
Steel operations:					
Net steel sales (million dollars).....	28,272	24,875	26,933	32,318	<u>4/</u>
Net steel income (million dollars).....	(1,834)	(4,150)	1,077	(559)	<u>4/</u>
Ratio of income to net sales (percent).....	(6.5)	(16.7)	4	(1.9)	<u>4/</u>

1/ These figures represent employment in Standard Industrial Code (SIC) 331, which includes the electrometallurgical products (or ferroalloy) industry. In the past, this industry, which is not generally defined as part of the steel industry, has represented less than 3 percent of total employment levels reporting under this SIC. Please note that the data series on employment levels has been changed as of the February 1990, report. (See Notes, p. xiii, for explanation).

2/ Average for January-November only.

3/ Total employment costs (including benefits) of employees receiving wages.

4/ Not available.

Source: Compiled from data of the American Iron & Steel Institute and official statistics of the U.S. Department of Commerce and the U.S. Department of Labor (Bureau of Labor Statistics).

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1985-1989

(Short tons)

Item	1985	1986	1987	1988	1989
All grades of steel:					
Semifinished-----	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245
Plate-----	4,327,347	3,564,806	4,047,919	7,327,887	7,293,115
Sheet and strip-----	40,850,298	40,493,141	43,288,266	44,707,915	45,376,975
Bars & certain shapes 1/--	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007
Wire rod-----	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889
Wire-----	874,135	802,259	800,063	1,072,698	1,005,407
Wire products-----	262,268	278,068	304,761	3/	3/
Structural shapes & units--	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404
Rails & related products--	931,313	640,197	514,647	615,303	544,771
Pipe and tube-----	4,095,825	2,836,458	3,569,647	4,443,251	4,010,591
Total-----	73,043,323	70,262,779	76,653,841	83,840,469	84,259,404
Carbon & certain alloy 2/ steel:					
Semifinished-----	1,327,766	1,435,662	1,516,152	1,851,197	1,753,249
Plate-----	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691
Sheet and strip-----	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414
Bars & certain shapes-----	12,478,002	11,996,343	13,391,238	14,284,744	14,304,189
Wire rod-----	2,931,897	3,427,428	3,792,740	3,990,472	4,193,118
Wire-----	851,841	777,604	773,329	1,043,112	980,707
Wire products-----	262,268	278,068	304,761	3/	3/
Structural shapes & units--	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404
Rails & related products--	931,313	640,197	514,647	615,303	544,771
Pipe and tube-----	4,046,771	2,794,218	3,527,867	4,387,761	3,962,470
Total-----	71,732,213	69,019,838	75,176,909	82,190,047	82,720,013
Stainless & alloy tool steel:					
Stainless steel:					
Semifinished-----	46,758	49,587	77,064	76,461	96,996
Plate-----	141,464	115,859	159,081	182,878	169,424
Sheet and strip-----	832,131	799,402	940,643	1,044,220	957,561
Bars & certain shapes-----	129,267	119,024	125,441	139,752	138,618
Wire rod-----	29,872	36,399	47,754	57,758	36,771
Wire-----	22,294	24,655	26,734	29,586	24,700
Pipe and tube-----	49,054	42,240	41,780	55,490	48,121
Tool steel (all forms)----	60,270	55,775	58,435	64,277	67,200
Total-----	1,311,110	1,242,941	1,476,932	1,650,422	1,539,391

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute.

Table 3.--Steel mill products and certain fabricated steel products: U.S. imports
by product and grade of steel, 1985-1989

(Short tons)

Item	1985	1986	1987	1988	1989
All grades of steel:					
Semifinished-----	2,440,368	2,084,322	2,288,995	2,844,979	2,197,811
Plate-----	1,772,309	1,456,790	1,566,694	1,872,937	1,437,109
Sheet and strip-----	9,046,089	8,278,604	7,875,891	7,303,964	6,443,852
Bars & certain shapes 1/--	1,550,559	1,476,368	1,359,758	1,445,932	1,356,035
Wire rod-----	1,476,145	1,362,753	1,467,030	1,493,833	1,150,116
Wire-----	612,485	582,022	555,981	540,380	494,303
Wire products-----	674,960	636,591	649,377	572,451	703,602
Structural shapes & units--	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361
Rails & related products--	382,046	275,710	245,988	319,432	322,985
Pipe and tube-----	4,489,287	2,956,303	2,775,091	3,286,690	2,472,802
Total-----	24,884,651	21,289,120	20,938,474	21,869,065	18,218,976
Carbon & certain alloy 2/ steel:					
Semifinished-----	2,430,078	2,066,700	2,232,270	2,782,572	2,135,690
Plate-----	1,760,812	1,440,375	1,555,577	1,857,090	1,419,396
Sheet and strip-----	8,910,469	8,127,033	7,746,596	7,185,380	6,302,844
Bars & certain shapes-----	1,475,447	1,393,731	1,281,168	1,361,113	1,264,305
Wire rod-----	1,456,078	1,344,256	1,448,720	1,474,623	1,128,417
Wire-----	590,317	564,481	536,897	519,727	472,984
Wire products-----	674,960	636,591	649,377	572,451	703,602
Structural shapes & units--	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361
Rails & related products--	382,046	275,710	245,988	319,432	322,985
Pipe and tube-----	4,457,277	2,923,029	2,748,644	3,249,937	2,435,544
Total-----	24,577,887	20,951,563	20,598,906	21,510,792	17,826,128
Stainless & alloy tool steel:					
Stainless steel:					
Semifinished-----	10,290	17,622	56,725	62,407	62,121
Plate-----	11,497	16,415	11,118	15,847	17,713
Sheet and strip-----	135,620	151,571	129,295	118,584	141,009
Bars & certain shapes-----	37,970	37,888	37,991	40,724	43,417
Wire rod-----	20,067	18,496	18,311	19,210	21,698
Wire-----	22,169	17,541	19,084	20,653	21,319
Pipe and tube-----	32,009	33,274	26,448	36,752	37,258
Tool steel (all forms)-----	37,142	44,749	40,599	44,095	48,313
Total-----	306,764	337,556	339,571	358,272	392,848

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 4.--Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1985-1989

(Short tons)

Item	1985	1986	1987	1988	1989
All grades of steel:					
Semifinished	89,708	58,885	73,543	61,430	390,812
Plate	82,988	69,565	96,538	119,393	630,689
Sheet and strip	375,396	507,420	556,991	1,374,056	2,608,102
Bars & certain shapes 1/--	99,096	81,224	121,869	141,461	258,640
Wire rod	4,740	5,876	8,217	10,161	36,093
Wire	19,146	26,760	26,669	36,668	31,344
Wire products	19,253	24,731	23,257	27,847	32,160
Structural shapes & units	89,031	71,525	101,373	111,614	260,750
Rails & related products	13,430	13,131	15,755	18,855	86,464
Pipe and tube	199,258	121,050	152,155	250,390	442,992
Total	992,046	980,167	1,176,367	2,151,875	4,778,046
Carbon & certain alloy 2/ steel:					
Semifinished	82,650	57,932	71,362	58,598	376,984
Plate	74,957	66,042	92,057	107,546	623,412
Sheet and strip	349,620	477,803	501,010	1,328,485	2,558,942
Bars & certain shapes	89,241	72,134	111,619	124,911	223,749
Wire rod	3,716	5,049	6,889	8,676	30,588
Wire	17,182	24,033	22,863	32,209	28,730
Wire products	19,253	24,731	23,257	27,847	32,160
Structural shapes & units	89,031	71,525	101,373	111,614	260,750
Rails & related products	13,430	13,131	15,755	18,855	86,464
Pipe and tube	193,309	118,010	143,405	244,192	434,925
Total	932,389	930,390	1,089,590	2,062,933	4,656,704
Stainless & alloy tool steel:					
Stainless steel:					
Semifinished	7,058	953	2,181	2,833	13,829
Plate	8,031	3,523	4,481	11,847	7,277
Sheet and strip	25,776	29,617	55,981	45,571	49,159
Bars & certain shapes	7,762	6,946	7,189	12,047	16,399
Wire rod	1,024	828	1,328	1,486	5,505
Wire	1,964	2,728	3,806	4,459	2,614
Pipe and tube	5,948	3,040	8,751	6,198	8,067
Tool steel (all forms)	2,094	2,144	3,061	4,502	18,492
Total	59,657	49,779	86,778	88,943	121,342

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 5.--Steel mill products and certain fabricated steel products:
Apparent U.S. consumption, by product and grade of steel, 1985-1989

(Short tons)

Item	1985	1986	1987	1988	1989
All grades of steel:					
Semifinished-----	3,725,184	3,510,686	3,808,668	4,711,207	3,657,244
Plate-----	6,016,668	4,952,031	5,518,075	9,081,431	8,099,535
Sheet and strip-----	49,520,991	48,264,325	50,607,166	50,637,823	49,212,725
Bars & certain shapes 1/--	14,119,002	13,566,286	14,813,003	15,793,244	15,607,402
Wire rod-----	4,433,174	4,820,704	5,299,307	5,531,902	5,343,912
Wire-----	1,467,474	1,357,521	1,329,375	2,121,014	2,139,808
Wire products-----	917,975	889,928	930,881	3/	3/
Structural shapes & units--	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015
Rails & related products--	1,299,929	902,776	744,880	915,880	781,292
Pipe and tube-----	8,385,854	5,671,711	6,192,583	7,479,551	6,040,401
Total-----	96,935,928	90,571,732	96,415,948	103,557,659	97,700,334
Carbon & certain alloy 2/ steel:					
Semifinished-----	3,675,194	3,444,430	3,677,060	4,575,171	3,511,955
Plate-----	5,871,738	4,823,280	5,352,358	8,894,553	7,919,675
Sheet and strip-----	48,579,016	47,342,969	49,593,209	49,520,590	48,163,316
Bars & certain shapes-----	13,864,208	13,317,940	14,560,787	15,520,946	15,344,745
Wire rod-----	4,384,259	4,766,635	5,234,571	5,456,419	5,290,947
Wire-----	1,424,976	1,318,052	1,287,363	2,075,234	2,096,403
Wire products-----	917,975	889,928	930,881	3/	3/
Structural shapes & units--	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015
Rails & related products--	1,299,929	902,776	744,880	915,880	781,292
Pipe and tube-----	8,310,739	5,599,237	6,133,106	7,393,506	5,963,089
Total-----	95,377,711	89,041,011	94,686,225	101,637,906	95,889,437
Stainless & alloy tool steel:					
Stainless steel:					
Semifinished-----	49,990	66,256	131,608	136,035	145,288
Plate-----	144,930	128,751	165,718	186,878	179,860
Sheet and strip-----	941,975	921,356	1,013,957	1,117,233	1,049,411
Bars & certain shapes-----	159,475	149,966	156,243	168,429	165,636
Wire rod-----	48,915	54,067	64,737	75,482	52,964
Wire-----	42,499	39,468	42,012	45,780	43,405
Pipe and tube-----	75,115	72,474	59,477	86,044	77,312
Tool steel (all forms)-----	95,318	98,380	95,973	103,870	97,021
Total-----	1,558,217	1,530,718	1,729,725	1,919,751	1,810,897

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 6.--Steel mill products and certain fabricated steel products:
apparent U.S. consumption, by product and grade of steel, 1985-1989

(Percent)

Item	1985	1986	1987	1988	1989
All grades of steel:					
Semifinished	65.5	59.4	60.1	60.4	60.1
Plate	29.5	29.4	28.4	20.6	17.7
Sheet and strip	18.3	17.2	15.6	14.4	13.1
Bars & certain shapes 1/--	11.0	10.9	9.2	9.2	8.7
Wire rod	33.3	28.3	27.7	27.0	21.5
Wire	41.0	42.0	41.0	39.0	37.0
Wire products	73.5	71.5	69.8	3/	3/
Structural shapes & units	34.6	32.8	30.0	30.0	24.1
Rails & related products	29.4	30.5	33.0	34.9	41.3
Pipe and tube	53.5	52.1	44.8	43.9	40.9
Total	25.7	23.5	21.7	21.1	18.6
Carbon & certain alloy 2/ steel:					
Semifinished	66.1	60.0	60.7	60.8	60.8
Plate	30.0	29.9	29.1	20.9	17.9
Sheet and strip	18.3	17.2	15.6	14.5	13.1
Bars & certain shapes	10.6	10.5	8.8	8.8	8.2
Wire rod	33.2	28.2	27.7	27.0	21.3
Wire	41.0	42.0	41.0	39.0	37.0
Wire products	73.5	71.5	69.8	3/	3/
Structural shapes & units	34.6	32.8	30.0	30.0	24.1
Rails & related products	29.4	30.5	33.0	34.9	41.3
Pipe and tube	53.6	52.2	44.8	44.0	40.8
Total	25.8	23.5	21.8	21.2	18.6
Stainless & alloy tool steel:					
Stainless steel:					
Semifinished	20.6	26.6	43.1	45.9	42.8
Plate	7.9	12.7	6.7	8.5	9.8
Sheet and strip	14.4	16.5	12.8	10.6	13.4
Bars & certain shapes	23.8	25.3	24.3	24.2	26.2
Wire rod	41.0	34.2	28.3	25.4	41.0
Wire	52.2	44.4	45.4	45.1	49.1
Pipe and tube	42.6	45.9	44.5	42.7	48.2
Tool steel (all forms)	39.0	45.5	42.3	42.5	49.8
Total	19.7	22.1	19.6	18.7	21.7

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	192,242	155,112	282,085	274,578
Austria -----	133,177	119,666	138,101	86,486
Brazil -----	1,129,406	1,152,972	1,476,896	1,391,142
Czechoslovakia -----	32,249	29,792	37,301	25,693
East Germany -----	60,712	95,910	92,239	55,867
EC countries -----	6,690,860	5,866,446	6,276,220	5,677,031
Finland -----	201,873	174,889	212,989	216,716
Hungary -----	20,572	27,064	30,094	28,420
Japan -----	4,514,994	4,384,621	4,343,898	3,696,102
Mexico -----	435,286	491,204	488,367	467,616
Peoples Rep of China -----	41,919	51,107	68,840	62,028
Poland -----	60,609	91,936	89,648	72,786
Romania -----	87,616	82,408	102,548	49,451
Republic of South Africa -----	518,535	30,015	1,693	756
Korea, Republic of -----	1,641,578	1,434,872	1,572,602	1,191,970
Trinidad and Tobago -----	77,219	62,575	31,518	48,028
Venezuela -----	141,503	170,571	169,383	173,642
Yugoslavia -----	24,954	15,394	12,751	8,222
Total -----	16,005,304	14,436,554	15,427,173	13,526,534
Other countries:				
Canada -----	3,373,544	3,809,440	3,430,920	3,218,371
Sweden -----	549,930	609,367	575,055	254,508
Argentina -----	177,808	346,494	558,011	227,866
Turkey -----	150,345	407,413	307,985	211,805
Taiwan -----	500,952	263,415	252,112	164,136
India -----	29,143	60,774	100,261	106,110
Norway -----	96,802	154,231	181,502	90,181
Singapore -----	115,307	144,538	153,164	78,918
New Zealand -----	24,356	53,509	88,980	78,564
Indonesia -----	37,903	235,573	281,142	69,344
All others -----	227,724	417,166	512,760	192,639
Total -----	5,283,814	6,501,920	6,441,892	4,692,442
Grand total -----	21,289,118	20,938,474	21,869,065	18,218,976

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	72,997	70,374	118,494	126,633
Austria -----	60,696	58,007	82,907	67,871
Brazil -----	304,039	328,749	463,632	473,506
Czechoslovakia -----	6,934	7,156	12,019	8,890
East Germany -----	15,306	25,328	31,340	18,908
EC countries -----	2,553,696	2,412,418	2,981,610	2,946,158
Finland -----	68,472	65,035	101,105	91,999
Hungary -----	4,666	6,191	8,600	9,155
Japan -----	2,198,391	2,189,840	2,562,005	2,426,631
Mexico -----	155,577	204,210	240,693	252,036
Peoples Rep of China -----	16,727	23,586	27,574	34,627
Poland -----	17,140	27,141	30,281	26,614
Romania -----	23,574	25,093	36,063	17,374
Republic of South Africa -----	147,667	7,322	1,487	594
Korea, Republic of -----	652,523	633,718	770,065	638,311
Trinidad and Tobago -----	18,733	15,482	8,602	14,695
Venezuela -----	44,596	48,835	53,699	61,681
Yugoslavia -----	7,279	5,404	5,947	3,423
Total -----	6,369,013	6,153,889	7,536,123	7,219,106
Other countries:				
Canada -----	1,403,210	1,660,699	1,706,602	1,697,849
Sweden -----	267,008	301,016	358,878	278,350
Argentina -----	55,641	122,695	221,845	110,210
Turkey -----	41,225	123,568	93,038	65,999
Taiwan -----	177,140	118,228	134,663	107,425
India -----	9,723	22,889	43,769	45,816
Norway -----	28,685	39,735	55,371	33,921
Singapore -----	33,694	42,953	50,365	32,735
New Zealand -----	18,938	22,949	35,995	41,302
Indonesia -----	9,587	56,949	81,687	24,760
All others -----	82,997	145,579	194,569	92,265
Total -----	2,127,848	2,657,260	2,976,782	2,530,632
Grand total -----	8,496,861	8,811,149	10,512,905	9,749,738

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 8.--Steel other than semifinished steel: $\frac{1}{2}$ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (Short tons)				
VRA countries:				
Australia -----	179,910	155,077	202,683	205,832
Austria -----	133,151	119,666	138,029	86,486
Brazil -----	723,773	671,685	755,083	724,260
Czechoslovakia -----	32,249	29,792	37,301	25,693
East Germany -----	60,712	95,909	92,239	55,867
EC -----	5,884,061	4,873,868	5,084,148	4,732,185
Finland -----	184,577	160,941	209,750	182,165
Hungary -----	20,572	26,495	30,094	28,420
Japan -----	4,356,644	4,291,332	4,264,692	3,608,916
Mexico -----	367,873	429,320	424,451	390,458
Peoples Rep of China -----	41,919	51,093	68,840	62,023
Poland -----	60,609	90,476	89,295	72,493
Romania -----	87,616	82,408	102,548	49,451
Republic of South Africa -----	456,634	7,437	1,693	750
Korea, Republic of -----	1,610,116	1,407,830	1,515,157	1,125,936
Trinidad and Tobago -----	77,219	62,575	28,460	48,028
Venezuela -----	141,503	130,749	119,720	125,160
Yugoslavia -----	24,954	15,394	12,751	8,222
Total -----	14,444,092	12,702,047	13,176,934	11,532,345
Other countries:				
Canada -----	3,160,374	3,673,795	3,327,082	3,098,597
Argentina -----	177,808	343,363	535,190	227,011
Turkey -----	150,345	407,413	307,985	211,805
Sweden -----	240,961	267,311	269,005	183,284
Taiwan -----	500,835	263,415	252,112	164,136
India -----	29,143	60,774	100,261	106,110
Norway -----	96,802	109,791	116,917	84,304
Singapore -----	115,307	144,538	153,164	78,918
New Zealand -----	24,356	25,297	42,766	78,564
Indonesia -----	37,903	234,667	276,988	69,344
All others -----	226,871	417,066	465,682	186,746
Total -----	4,760,705	5,947,430	5,847,152	4,488,819
Grand total -----	19,204,797	18,649,477	19,024,086	16,021,164

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Import/consumption ratio (percent)				
VRA countries:				
Australia -----	.2	.2	.2	.2
Austria -----	.2	.1	.1	.1
Brazil -----	.8	.7	.8	.8
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	6.9	5.3	5.2	5.1
Finland -----	.2	.2	.2	.2
Hungary -----	2/	2/	2/	2/
Japan -----	5.1	4.7	4.4	3.9
Mexico -----	.4	.5	.4	.4
Peoples Rep of China -----	2/	.1	.1	.1
Poland -----	.1	.1	.1	.1
Romania -----	.1	.1	.1	.1
Republic of South Africa -----	.5	2/	2/	2/
Korea, Republic of -----	1.9	1.5	1.6	1.2
Trinidad and Tobago -----	.1	.1	2/	.1
Venezuela -----	.2	.1	.1	.1
Yugoslavia -----	2/	2/	2/	2/
Total-----	16.8	13.9	13.5	12.4
Other countries:				
Canada -----	3.7	4.0	3.4	3.3
Argentina -----	.2	.4	.5	.2
Turkey -----	.2	.4	.3	.2
Sweden -----	.3	.3	.3	.2
Taiwan -----	.6	.3	.3	.2
India -----	2/	.1	.1	.1
Norway -----	.1	.1	.1	.1
Singapore -----	.1	.2	.2	.1
New Zealand -----	2/	2/	2/	.1
Indonesia -----	2/	.3	.3	.1
All others-----	.3	.5	.5	.2
Total-----	5.6	6.5	6.0	4.8
Grand total-----	22.4	20.4	19.5	17.2

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Less than 0.05 percent.

Source: Compiled from data of the American Iron and Steel Institute and from official statistics of the U.S. Department of Commerce.

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1986-1989

Source	Unadjusted Initial Period Ceiling 2/	1986	1987	1988	1989
Quantity (short tons)					
VRA countries:					
Australia -----	6/	12,332	35	79,402	68,747
Austria -----	6/	27	0	73	0
Brazil -----	6/	405,633	481,287	721,813	666,882
Czechoslovakia -----	6/	0	0	0	0
East Germany -----	6/	0	1	0	0
EC countries-----	808,674	806,799	992,578	1,192,072	944,846
Finland -----	6/	17,296	13,948	3,239	34,551
Hungary -----	6/	0	569	0	0
Japan -----	6/	158,350	93,288	79,206	87,185
Mexico -----	255,371	67,413	61,884	63,916	77,158
Peoples Rep of China -----	6/	0	13	0	5
Poland -----	6/	0	1,460	353	293
Romania -----	6/	0	0	0	0
Republic of South Africa -----	5/ 100,000	61,901	22,578	0	7
Korea, Republic of -----	6/	31,462	27,043	57,445	66,033
Trinidad and Tobago -----	6/	0	0	3,058	0
Venezuela -----	6/	0	39,822	49,663	48,482
Yugoslavia -----	6/	0	0	0	0
Total-----	6/	1,561,213	1,734,506	2,250,240	1,994,189
Other countries:					
Canada -----	6/	213,170	135,645	103,838	119,773
Sweden -----	6/	308,968	342,056	306,050	71,223
Norway -----	6/	0	44,440	64,585	5,877
Soviet Union -----	6/	226	0	47,078	5,860
Argentina -----	6/	0	3,131	22,820	855
Switzerland -----	6/	74	99	0	31
Taiwan -----	6/	117	0	0	0
Israel -----	6/	0	0	0	0
Peru -----	6/	551	0	0	0
Indonesia -----	6/	0	906	4,154	0
All others-----	6/	3	28,212	46,214	0
Total-----	6/	523,109	554,489	594,739	203,619
Grand total-----	6/	2,084,322	2,288,995	2,844,979	2,197,808

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Restraint level applicable to 15-month period ending December 31, 1990.

3/ No explicit semifinished steel provisions.

4/ Ceiling level unknown because country's voluntary restraint arrangement not yet made public.

5/ Steel imports from South Africa in 1988 are reduced by the Comprehensive Anti-Apartheid Act of 1986, which embargoes certain steel products.

6/ Not applicable.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 10.--Carbon and certain alloy 1/₂ semifinished steel: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	12,332	35	79,402	68,747
Austria -----	9	0	0	0
Brazil -----	405,474	467,926	720,130	666,882
Czechoslovakia -----	0	0	0	0
East Germany -----	0	2/	0	0
EC countries -----	805,136	985,869	1,181,448	930,852
Finland -----	17,261	13,948	3,239	34,551
Hungary -----	0	569	0	0
Japan -----	155,609	89,683	77,271	86,487
Mexico -----	67,413	61,884	63,916	76,982
Peoples Rep of China -----	0	13	0	5
Poland -----	0	1,460	279	0
Romania -----	0	0	0	0
Republic of South Africa -----	61,901	22,578	0	7
Korea, Republic of -----	31,462	27,043	57,445	66,033
Trinidad and Tobago -----	0	0	3,058	0
Venezuela -----	0	39,822	49,663	48,482
Yugoslavia -----	0	0	0	0
Total-----	1,556,597	1,710,830	2,235,851	1,979,028
Other countries:				
Canada -----	206,363	110,445	70,310	83,218
Sweden -----	302,769	334,207	291,559	60,821
Norway -----	0	44,440	64,585	5,877
Soviet Union -----	226	0	47,078	5,860
Argentina -----	0	3,131	22,820	855
Switzerland -----	74	99	2/	31
Peru -----	551	0	0	0
Indonesia -----	0	906	4,154	0
Hong Kong -----	3	0	0	0
All others -----	117	28,212	46,214	0
Total-----	510,103	521,440	546,720	156,662
Grand total-----	2,066,700	2,232,270	2,782,571	2,135,690

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy ^{1/} semifinished steel: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	1,846	6	15,165	14,426
Austria -----	24	0	0	0
Brazil -----	71,086	87,231	161,215	166,678
Czechoslovakia -----	0	0	0	0
East Germany -----	0	7	0	0
EC countries -----	157,698	214,900	290,884	244,360
Finland -----	3,190	2,945	770	10,811
Hungary -----	0	128	0	0
Japan -----	27,546	20,477	19,499	24,972
Mexico -----	10,994	11,428	17,342	19,722
Peoples Rep of China -----	0	30	0	7
Poland -----	0	342	69	0
Romania -----	0	0	0	0
Republic of South Africa -----	9,683	3,548	0	18
Korea, Republic of -----	5,586	4,809	14,573	16,133
Trinidad and Tobago -----	0	0	617	0
Venezuela -----	0	6,708	11,049	10,072
Yugoslavia -----	0	0	0	0
Total-----	287,653	352,559	531,183	507,199
Other countries:				
Canada -----	44,986	26,940	21,337	27,484
Sweden -----	61,934	76,098	73,544	15,249
Norway -----	0	8,098	14,757	1,288
Soviet Union -----	204	0	6,946	843
Argentina -----	0	1,109	6,147	336
Switzerland -----	19	140	3	155
Peru -----	541	0	0	0
Indonesia -----	0	242	1,196	0
Hong Kong -----	8	0	0	0
All others -----	32	6,332	13,489	0
Total-----	107,724	118,959	137,419	45,355
Grand total-----	395,377	471,518	668,602	552,554

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	2,057	5,014	5,935	4,634
Austria -----	8,380	9,701	21,426	5,851
Brazil -----	100,352	112,608	171,537	134,769
Czechoslovakia -----	11,490	10,416	16,455	17,274
East Germany -----	6,709	16,091	17,270	10,342
EC countries -----	557,304	445,966	515,974	521,489
Finland -----	78,057	69,486	96,135	108,885
Hungary -----	12,318	13,933	16,146	15,300
Japan -----	42,638	35,903	44,538	45,639
Mexico -----	14,570	12,930	20,867	26,919
Peoples Rep of China -----	0	0	26	0
Poland -----	11,247	30,633	30,860	28,960
Romania -----	59,620	49,274	68,325	35,438
Republic of South Africa -----	83,134	465	0	0
Korea, Republic of -----	78,292	64,323	68,405	46,109
Trinidad and Tobago -----	0	0	389	2,204
Venezuela -----	4,778	6,872	6,653	10,033
Yugoslavia -----	11,869	0	1,423	0
Total-----	1,082,815	883,615	1,102,364	1,013,846
Other countries:				
Canada -----	254,535	449,135	419,556	266,881
Sweden -----	70,057	106,253	110,743	78,601
India -----	10,940	35,711	34,780	53,828
New Zealand -----	0	0	3,849	5,544
Indonesia -----	7,596	46,701	84,969	267
Argentina -----	5,067	17,499	44,564	233
Turkey -----	22	6,145	5,946	193
Peru -----	0	0	0	2/
Antigua -----	0	7	0	0
All others -----	9,342	10,510	50,318	0
Total-----	357,559	671,961	754,725	405,547
Grand total-----	1,440,374	1,555,576	1,857,089	1,419,393

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy ^{1/} steel plate: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	1,073	2,285	3,190	2,371
Austria -----	2,890	3,379	8,467	2,465
Brazil -----	30,298	36,299	67,413	44,586
Czechoslovakia -----	2,376	2,292	5,280	5,498
East Germany -----	1,427	3,761	5,566	3,312
EC countries -----	160,182	146,741	219,700	215,157
Finland -----	19,511	18,573	38,528	39,347
Hungary -----	2,781	3,104	4,494	4,847
Japan -----	19,267	19,324	27,120	27,889
Mexico -----	3,316	3,340	8,122	10,816
Peoples Rep of China -----	0	0	28	0
Poland -----	2,277	7,316	9,971	9,915
Romania -----	14,463	13,447	22,680	11,827
Republic of South Africa -----	20,980	145	0	0
Korea, Republic of -----	21,674	21,560	28,496	17,725
Trinidad and Tobago -----	0	0	122	630
Venezuela -----	1,084	1,762	2,062	3,172
Yugoslavia -----	2,881	0	461	0
Total-----	306,480	283,328	451,700	399,557
Other countries:				
Canada -----	84,532	155,991	175,573	109,513
Sweden -----	23,347	40,807	52,247	39,192
India -----	2,551	13,055	14,024	17,706
New Zealand -----	0	0	1,350	1,671
Indonesia -----	1,799	12,461	25,597	125
Argentina -----	1,238	4,317	14,038	81
Turkey -----	5	1,554	2,186	88
Peru -----	0	0	0	6
Antigua -----	0	11	0	0
All others-----	3,039	4,257	14,953	0
Total-----	116,511	232,453	299,968	168,382
Grand total-----	422,991	515,781	751,668	567,939

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	148,370	123,054	169,338	173,844
Austria -----	101,853	82,055	80,141	44,936
Brazil -----	320,745	343,715	279,788	374,903
Czechoslovakia -----	743	2,410	0	10
East Germany -----	41,841	61,012	50,830	26,330
EC countries -----	2,752,928	2,302,647	2,249,090	1,968,270
Finland -----	82,084	71,070	85,164	56,876
Hungary -----	8,232	9,600	13,211	11,903
Japan -----	2,445,266	2,381,393	2,209,538	2,050,376
Mexico -----	105,699	127,973	139,529	117,694
Peoples Rep of China -----	34	584	0	456
Poland -----	9,693	13,390	11,005	0
Romania -----	6,111	3,665	6,731	52
Republic of South Africa -----	185,645	372	0	0
Korea, Republic of -----	664,256	603,796	487,380	375,727
Trinidad and Tobago -----	0	0	63	0
Venezuela -----	77,327	56,293	57,246	59,756
Yugoslavia -----	0	0	0	32
Total-----	6,950,827	6,183,029	5,839,054	5,261,165
Other countries:				
Canada -----	883,258	1,119,490	856,040	858,289
New Zealand -----	13,862	10,795	29,118	61,556
Taiwan -----	54,232	60,024	78,901	48,988
Argentina -----	108,394	175,619	243,388	27,348
Sweden -----	46,191	61,509	51,007	21,448
Norway -----	15,560	15,629	14,466	20,341
United Arab Emirates -----	0	0	0	2,078
Jamamica -----	314	0	0	538
Indonesia -----	3,252	24,966	20,138	368
Costa Rica -----	0	23	0	287
All others-----	51,145	95,510	53,269	438
Total-----	1,176,208	1,563,565	1,346,327	1,041,679
Grand total-----	8,127,035	7,746,594	7,185,381	6,302,844

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy ^{1/} steel sheet and strip: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	60,856	59,001	90,392	96,817
Austria -----	32,746	26,289	31,089	18,681
Brazil -----	94,568	119,782	111,040	149,482
Czechoslovakia -----	192	644	0	3
East Germany -----	11,130	17,087	18,100	9,790
EC countries -----	1,022,489	932,354	1,045,288	951,315
Finland -----	24,700	25,253	32,525	22,393
Hungary -----	1,871	2,371	3,751	3,739
Japan -----	1,168,831	1,208,940	1,211,321	1,198,546
Mexico -----	45,921	60,338	77,632	69,852
Peoples Rep of China -----	8	114	0	211
Poland -----	3,195	5,198	5,049	0
Romania -----	2,368	1,246	2,176	36
Republic of South Africa -----	59,193	124	0	0
Korea, Republic of -----	229,043	234,228	209,663	163,713
Trinidad and Tobago -----	0	0	19	0
Venezuela -----	24,685	18,728	22,121	26,436
Yugoslavia -----	0	0	0	17
Total-----	2,781,796	2,711,697	2,860,166	2,711,031
Other countries:				
Canada -----	345,314	463,992	381,804	403,293
New Zealand -----	8,195	5,600	11,315	27,435
Taiwan -----	17,259	22,313	31,494	22,887
Argentina -----	32,127	64,208	92,033	14,390
Sweden -----	31,917	37,494	39,376	28,193
Norway -----	7,847	7,955	7,909	12,185
United Arab Emirates -----	0	0	0	926
Jamamica -----	156	0	0	378
Indonesia -----	757	6,638	7,569	215
Costa Rica -----	0	7	0	228
All others -----	17,217	36,418	21,590	528
Total-----	460,789	644,625	593,090	510,658
Grand total-----	3,242,585	3,356,322	3,453,256	3,221,689

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	174	117	826	1,433
Austria -----	692	394	693	541
Brazil -----	53,328	50,090	96,561	50,035
Czechoslovakia -----	0	0	0	0
East Germany -----	43	2	0	0
EC countries-----	285,317	239,605	260,337	323,125
Finland -----	2,788	2,752	4,081	4,080
Hungary -----	0	43	146	0
Japan -----	144,395	154,408	107,959	131,880
Mexico -----	20,138	31,521	22,813	16,066
Peoples Rep of China -----	13,844	4,820	3,441	3,916
Poland -----	471	1,037	1,282	2,648
Romania -----	0	122	29	0
Republic of South Africa -----	13,137	221	0	0
Korea, Republic of -----	72,422	56,173	74,249	62,652
Trinidad and Tobago -----	32,981	18,047	15,404	16,501
Venezuela -----	14,417	13,530	19,962	10,391
Yugoslavia -----	0	287	0	0
Total-----	654,147	573,169	607,783	623,268
Other countries:				
Canada -----	378,241	379,637	429,634	398,631
Turkey -----	46,064	94,882	102,560	109,153
Argentina -----	13,194	18,954	50,982	48,289
Norway -----	28,134	28,347	36,346	30,234
Singapore -----	40,134	39,869	19,311	20,159
Taiwan -----	173,446	44,665	32,265	11,752
India -----	8,936	10,014	11,249	10,492
Sweden -----	10,998	7,255	9,099	3,385
Indonesia -----	167	44,957	54,015	3,133
Dominican Republic -----	29,847	0	0	3,112
All others-----	10,423	39,419	7,867	2,699
Total-----	739,584	707,999	753,328	641,039
Grand total-----	1,393,731	1,281,168	1,361,111	1,264,307

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy ¹/ _{steel bars and light shapes: U.S. imports for consumption, by specified sources, 1986-1989--Continued}

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	119	92	332	669
Austria -----	828	590	667	1,024
Brazil -----	14,160	15,461	29,058	22,335
Czechoslovakia -----	0	0	0	0
East Germany -----	13	1	0	0
EC countries -----	115,921	165,308	133,388	169,448
Finland -----	1,504	1,685	2,705	3,241
Hungary -----	0	14	63	0
Japan -----	58,397	62,568	49,339	73,081
Mexico -----	5,702	8,595	8,588	5,814
Peoples Rep of China -----	3,074	1,683	1,314	1,526
Poland -----	314	548	845	1,517
Romania -----	0	600	103	0
Republic of South Africa -----	2,930	71	0	0
Korea, Republic of -----	18,324	15,094	20,439	19,087
Trinidad and Tobago -----	8,502	5,496	3,968	5,232
Venezuela -----	3,229	3,187	5,392	3,868
Yugoslavia -----	0	73	0	0
Total-----	233,017	281,066	256,201	306,842
Other countries:				
Canada -----	137,503	146,520	186,448	173,249
Turkey -----	10,100	24,960	28,951	32,827
Argentina -----	3,321	4,865	16,442	18,563
Norway -----	5,801	5,906	8,963	8,213
Singapore -----	9,055	10,128	5,104	7,950
Taiwan -----	40,070	11,531	10,022	4,724
India -----	3,394	3,490	3,952	4,650
Sweden -----	5,868	4,732	5,737	3,160
Indonesia -----	36	9,076	14,691	862
Dominican Republic -----	7,130	0	0	821
All others -----	2,934	10,005	2,726	1,257
Total-----	225,212	231,213	283,036	256,276
Grand total-----	458,229	512,279	539,237	563,118

¹/ _{Certain alloy refers to alloy steel other than stainless or tool steel.}

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	10,953	9,664	9,551	10,783
Austria -----	2,040	401	601	1,108
Brazil -----	50,172	50,183	58,383	57,858
Czechoslovakia -----	16,668	10,307	13,661	2,197
East Germany -----	10,485	12,806	16,306	12,583
EC countries-----	293,504	275,549	290,286	212,925
Finland -----	6,736	2,237	2,237	108
Hungary -----	0	2,862	0	67
Japan -----	263,715	245,672	276,003	201,891
Mexico -----	60,523	62,826	58,389	32,373
Peoples Rep of China -----	0	0	27	25
Poland -----	0	0	7,606	0
Romania -----	0	0	0	0
Republic of South Africa -----	14,971	0	0	0
Korea, Republic of -----	94	432	875	176
Trinidad and Tobago -----	44,035	43,094	11,312	29,203
Venezuela -----	2,248	4,471	8,916	2,065
Yugoslavia -----	0	0	0	0
Total-----	776,144	720,504	754,153	563,362
Other countries:				
Canada -----	376,954	390,071	360,096	400,938
Turkey -----	23,523	61,072	126,791	75,596
Indonesia -----	26,888	97,932	84,414	29,923
Singapore -----	33,065	60,425	81,904	29,776
Sweden -----	41,688	10,079	18,464	15,095
Taiwan -----	42,042	15,798	16,843	10,071
Egypt -----	0	0	11,114	3,157
Argentina -----	1,098	0	0	276
United Arab Emirates -----	0	0	0	179
India -----	3	0	0	22
All others-----	22,853	92,838	20,843	19
Total-----	568,114	728,215	720,469	565,052
Grand total-----	1,344,258	1,448,719	1,474,622	1,128,414

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy ^{1/} steel wire rod: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,183	1,983	2,103	2,439
Austria -----	677	179	248	297
Brazil -----	9,730	12,145	16,380	16,652
Czechoslovakia -----	3,239	2,164	3,234	549
East Germany -----	2,130	2,585	3,547	3,014
EC countries -----	92,207	95,990	109,528	82,681
Finland -----	2,035	692	741	35
Hungary -----	0	557	0	30
Japan -----	110,977	103,044	124,039	96,067
Mexico -----	12,961	14,093	15,344	8,234
Peoples Rep of China -----	0	0	9	7
Poland -----	0	0	1,612	0
Romania -----	0	0	0	0
Republic of South Africa -----	3,323	0	0	0
Korea, Republic of -----	61	179	389	112
Trinidad and Tobago -----	9,911	9,538	3,293	8,770
Venezuela -----	486	1,014	2,000	594
Yugoslavia -----	0	0	0	0
Total -----	249,920	244,163	282,467	219,481
Other countries:				
Canada -----	120,938	127,412	130,836	145,073
Turkey -----	5,354	13,673	32,337	20,896
Indonesia -----	6,995	21,082	20,363	8,363
Singapore -----	7,633	14,388	21,983	9,390
Sweden -----	16,323	6,215	9,831	12,842
Taiwan -----	13,766	6,199	6,764	4,247
Egypt -----	0	0	2,650	920
Argentina -----	260	0	0	137
United Arab Emirates -----	0	0	0	149
India -----	1	0	0	11
All others -----	6,190	20,184	4,578	6
Total -----	177,460	209,153	229,342	202,034
Grand total -----	427,380	453,316	511,809	421,515

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	4,560	4,963	4,488	4,189
Austria -----	1,950	2,484	1,731	1,782
Brazil -----	10,693	10,577	14,128	9,397
Czechoslovakia -----	0	0	0	24
East Germany -----	191	89	0	0
EC countries -----	173,937	174,508	168,480	139,816
Finland -----	1,241	400	476	368
Hungary -----	22	57	0	0
Japan -----	108,486	96,684	78,468	67,924
Mexico -----	3,024	3,991	2,712	1,407
Peoples Rep of China -----	4,400	7,302	9,720	12,165
Poland -----	121	2	116	201
Romania -----	0	0	0	0
Republic of South Africa -----	11,973	187	0	0
Korea, Republic of -----	10,949	8,226	7,736	7,512
Trinidad and Tobago -----	198	1,435	1,060	0
Venezuela -----	6,782	7,717	5,996	5,906
Yugoslavia -----	0	42	3	0
Total -----	338,527	318,664	295,114	250,691
Other countries:				
Canada -----	203,478	194,819	193,243	183,779
Argentina -----	695	1,170	2,491	11,276
Sweden -----	8,620	7,745	7,532	7,601
India -----	1,337	2,572	4,108	5,266
Chile -----	600	1,379	2,146	3,630
Taiwan -----	2,843	3,217	4,897	3,548
Ecuador -----	0	18	1,430	2,134
Switzerland -----	1,914	1,372	2,591	1,653
Norway -----	1,681	2,476	1,312	1,328
Hong Kong -----	76	112	9	763
All others -----	4,709	3,352	4,856	1,315
Total -----	225,953	218,232	224,615	222,293
Grand total -----	564,480	536,896	519,729	472,984

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,109	2,329	2,018	1,844
Austria -----	2,375	3,613	2,584	2,976
Brazil -----	4,651	4,944	6,207	5,122
Czechoslovakia -----	0	0	0	16
East Germany -----	49	24	0	0
EC countries -----	118,611	129,087	141,210	126,019
Finland -----	553	170	231	198
Hungary -----	15	17	0	0
Japan -----	73,147	64,973	61,637	57,930
Mexico -----	1,302	1,681	1,320	914
Peoples Rep of China -----	1,671	2,868	4,165	5,530
Poland -----	33	3	59	129
Romania -----	0	0	0	0
Republic of South Africa -----	4,524	85	0	0
Korea, Republic of -----	6,450	4,882	4,667	4,890
Trinidad and Tobago -----	315	448	354	0
Venezuela -----	3,099	3,802	3,096	3,410
Yugoslavia -----	0	24	9	0
Total-----	218,904	218,950	227,557	208,978
Other countries:				
Canada -----	106,212	101,960	109,405	112,002
Argentina -----	324	499	1,245	5,051
Sweden -----	10,463	10,304	10,678	9,482
India -----	540	883	1,518	1,974
Chile -----	244	532	946	2,041
Taiwan -----	1,786	1,964	2,903	3,186
Ecuador -----	0	9	652	1,059
Switzerland -----	1,044	898	1,525	1,062
Norway -----	973	1,427	1,177	1,095
Hong Kong -----	32	40	2	346
All others -----	1,747	1,345	1,291	726
Total-----	123,365	119,861	131,342	138,024
Grand total-----	342,269	338,811	358,899	347,002

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 16.--Carbon and certain alloy 1/ steel wire products: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	53	291	5	20
Austria -----	2,954	1,113	956	4,043
Brazil -----	14,021	10,382	15,018	10,401
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	84,479	54,224	38,365	86,677
Finland -----	2/	0	1	51
Hungary -----	0	0	0	42
Japan -----	50,437	50,318	23,536	52,650
Mexico -----	12,755	14,577	13,693	24,461
Peoples Rep of China -----	22,111	36,253	36,866	42,981
Poland -----	16,778	19,213	16,070	15,255
Romania -----	3,210	6,859	143	0
Republic of South Africa -----	13,931	4,340	1,550	730
Korea, Republic of -----	196,032	186,794	192,127	178,804
Trinidad and Tobago -----	0	0	94	0
Venezuela -----	680	2,683	1,352	16,639
Yugoslavia -----	7,027	7,882	7,314	5,961
Total-----	424,468	394,929	347,090	438,715
Other countries:				
Canada -----	122,483	106,028	98,251	114,763
Indonesia -----	0	11,116	18,621	27,489
Thailand -----	5,525	20,516	8,627	20,808
Taiwan -----	38,141	37,689	13,715	17,331
Argentina -----	6,988	12,069	18,002	16,702
United Arab Emirates -----	360	7,787	20,059	14,854
Turkey -----	21,037	37,393	23,631	10,713
Saudi Arabia -----	468	305	3,718	8,784
Chile -----	4,984	10,919	8,459	8,642
India -----	398	505	4,571	8,233
All others -----	11,735	10,123	7,707	16,568
Total-----	212,119	254,450	225,361	264,887
Grand total-----	636,587	649,379	572,451	703,602

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy ^{1/} steel wire products: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	53	249	20	37
Austria -----	3,600	1,973	1,556	8,634
Brazil -----	5,133	4,592	7,169	6,038
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	53,058	39,814	33,725	135,555
Finland -----	4	0	96	67
Hungary -----	0	0	0	23
Japan -----	41,249	46,874	28,992	97,473
Mexico -----	6,585	7,758	8,903	17,781
Peoples Rep of China -----	10,661	17,786	14,640	25,832
Poland -----	5,735	7,056	5,403	5,354
Romania -----	986	2,424	44	0
Republic of South Africa -----	7,140	2,199	792	558
Korea, Republic of -----	125,730	128,818	138,561	158,567
Trinidad and Tobago -----	0	0	27	0
Venezuela -----	292	498	387	5,224
Yugoslavia -----	2,403	2,845	3,027	2,456
Total -----	262,629	262,886	243,342	463,599
Other countries:				
Canada -----	77,974	73,873	70,198	93,747
Indonesia -----	0	4,341	6,881	11,595
Thailand -----	2,527	10,027	5,332	9,521
Taiwan -----	21,780	24,306	12,448	19,677
Argentina -----	2,522	5,105	7,943	8,930
United Arab Emirates -----	122	2,582	7,562	5,992
Turkey -----	7,252	12,966	8,700	5,485
Saudi Arabia -----	274	103	1,239	3,255
Chile -----	1,810	4,662	3,991	4,476
India -----	207	263	2,659	5,467
All others-----	7,457	6,976	6,778	21,186
Total -----	121,925	145,204	133,731	189,331
Grand total -----	384,554	408,090	377,073	652,930

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 17.--Carbon and certain alloy $\frac{1}{2}$ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	389	55	139	312
Austria -----	616	377	1,541	684
Brazil -----	7,269	11,926	20,210	11,638
Czechoslovakia -----	0	0	0	0
East Germany -----	4	0	0	92
EC countries-----	932,484	823,041	903,438	790,065
Finland -----	985	341	118	2,669
Hungary -----	0	0	0	0
Japan -----	469,071	629,977	590,217	373,632
Mexico -----	18,361	17,953	24,912	17,588
Peoples Rep of China -----	44	8	208	874
Poland -----	16,532	18,559	14,059	20,441
Romania -----	0	0	19	168
Republic of South Africa -----	85,839	933	143	0
Korea, Republic of -----	90,661	135,070	169,302	81,616
Trinidad and Tobago -----	0	0	0	120
Venezuela -----	34	0	<u>2</u>	112
Yugoslavia -----	0	0	263	0
Total-----	1,622,289	1,638,240	1,724,569	1,300,011
Other countries:				
Canada -----	454,749	398,180	338,187	249,815
Norway -----	42,747	61,316	64,361	31,897
Argentina -----	4,162	17,757	27,523	30,494
New Zealand -----	8,069	9,076	8,242	8,945
Taiwan -----	30,683	17,179	9,020	6,899
Mauritius -----	0	906	0	4,723
Indonesia -----	0	0	4,074	3,269
India -----	62	258	459	1,743
Singapore -----	12,081	6,702	3,129	1,102
Sweden -----	2,170	2,170	3,925	991
All others-----	2,644	1,884	4,979	474
Total-----	557,367	515,428	463,899	340,352
Grand total-----	2,179,656	2,153,668	2,188,468	1,640,363

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy ^{1/} steel structural shapes and units: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	240	54	135	902
Austria -----	1,402	1,455	1,865	1,780
Brazil -----	2,580	4,099	8,055	5,564
Czechoslovakia -----	0	0	0	0
East Germany -----	3	0	0	28
EC countries -----	301,759	271,310	356,905	308,492
Finland -----	1,189	336	248	4,129
Hungary -----	0	0	0	0
Japan -----	155,723	189,574	228,010	159,837
Mexico -----	7,998	7,074	11,585	8,817
Peoples Rep of China -----	21	71	154	669
Poland -----	3,631	3,990	3,587	6,446
Romania -----	0	0	11	73
Republic of South Africa -----	23,349	573	694	0
Korea, Republic of -----	40,984	59,530	84,018	43,704
Trinidad and Tobago -----	0	0	0	63
Venezuela -----	22	0	1	83
Yugoslavia -----	0	0	393	0
Total -----	538,901	538,066	695,661	540,587
Other countries:				
Canada -----	251,967	220,522	201,529	154,010
Norway -----	10,392	15,052	21,943	10,401
Argentina -----	1,239	4,186	7,274	10,137
New Zealand -----	8,770	9,040	8,814	10,505
Taiwan -----	18,634	9,331	5,476	6,383
Mauritius -----	0	260	0	1,521
Indonesia -----	0	0	1,173	971
India -----	60	203	371	1,195
Singapore -----	6,910	4,293	2,903	1,013
Sweden -----	4,563	7,243	5,413	2,805
All others -----	4,025	6,720	4,246	1,402
Total -----	306,560	276,850	259,142	200,343
Grand total -----	845,461	814,916	954,803	740,930

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 18.--Carbon and certain alloy $\frac{1}{2}$ steel rails and related products: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	269	30	2	3,567
Austria -----	133	5	703	5,805
Brazil -----	1,874	2,440	4,553	2,942
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	1	0
EC countries -----	84,454	42,340	52,358	53,518
Finland -----	2/	2/	3	0
Hungary -----	0	0	4	0
Japan -----	93,700	84,891	79,347	83,624
Mexico -----	116	46	26	380
Peoples Rep of China -----	683	45	25	455
Poland -----	0	0	0	105
Romania -----	0	0	0	0
Republic of South Africa -----	388	879	2/	20
Korea, Republic of -----	8,101	5,803	6,919	6,670
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	344	77	0
Yugoslavia -----	2/	0	0	0
Total-----	189,718	136,823	144,018	157,086
Other countries:				
Canada -----	84,924	101,439	172,077	151,966
Soviet Union -----	0	0	0	9,875
Argentina -----	0	6	6	2,579
Sweden -----	579	7,424	3,064	876
Taiwan -----	365	168	128	417
Colombia -----	0	0	0	77
Chile -----	11	0	0	48
Turkey -----	0	0	0	22
Israel -----	98	33	0	20
Honduras -----	0	0	2/	9
All others -----	15	94	140	11
Total-----	85,992	109,164	175,415	165,900
Grand total-----	275,710	245,987	319,433	322,986

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy ^{1/} steel rails and related products: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	286	15	7	3,841
Austria -----	746	37	299	3,284
Brazil -----	1,125	2,016	3,751	2,544
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	5	0
EC countries -----	33,331	17,563	25,214	28,589
Finland -----	2	5	14	0
Hungary -----	0	0	25	0
Japan -----	37,655	34,066	38,835	46,028
Mexico -----	36	14	37	380
Peoples Rep of China -----	1,070	32	9	221
Poland -----	0	0	0	49
Romania -----	0	0	0	0
Republic of South Africa -----	222	563	1	14
Korea, Republic of -----	2,836	1,863	2,580	3,408
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	70	24	0
Yugoslavia -----	1	0	0	0
Total -----	77,310	56,244	70,801	88,358
Other countries:				
Canada -----	11,244	20,479	50,140	59,757
Soviet Union -----	0	0	0	1,290
Argentina -----	0	24	17	803
Sweden -----	211	2,553	1,001	600
Taiwan -----	570	302	294	797
Colombia -----	0	0	0	258
Chile -----	4	0	0	25
Turkey -----	0	0	0	13
Israel -----	237	76	0	25
Honduras -----	0	0	2	4
All others -----	37	208	115	71
Total -----	12,303	23,642	51,569	63,643
Grand total -----	89,613	79,886	122,370	152,001

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	13,068	11,869	12,375	7,022
Austria -----	10,774	19,766	26,408	17,756
Brazil -----	158,996	75,669	87,724	64,098
Czechoslovakia -----	3,348	6,660	7,164	6,156
East Germany -----	1,414	5,909	7,828	6,520
EC countries -----	585,602	416,505	488,108	504,008
Finland -----	2,402	5,968	12,755	6,000
Hungary -----	0	0	585	1,109
Japan -----	669,349	542,452	790,770	507,942
Mexico -----	120,678	137,761	131,349	138,081
Peoples Rep of China -----	796	2,056	18,422	973
Poland -----	5,472	7,267	8,048	4,658
Romania -----	18,674	22,488	27,284	13,778
Republic of South Africa -----	44,941	40	0	0
Korea, Republic of -----	473,648	331,525	496,059	353,671
Trinidad and Tobago -----	6	0	0	0
Venezuela -----	35,237	38,840	19,510	20,192
Yugoslavia -----	6,048	7,183	3,732	2,226
Total -----	2,150,453	1,631,958	2,138,121	1,654,190
Other countries:				
Canada -----	383,430	514,456	436,372	451,459
Argentina -----	37,948	100,108	148,192	89,608
Taiwan -----	146,515	79,176	88,055	60,719
Thailand -----	61,497	93,717	148,259	34,384
Singapore -----	30,015	37,408	47,545	27,492
India -----	7,225	10,848	44,486	25,404
Sweden -----	23,201	30,146	26,842	21,424
Turkey -----	23,701	140,786	32,001	16,107
Algeria -----	1,303	15,592	21,502	9,430
Israel -----	30,320	13,217	12,714	9,397
All others -----	27,422	81,232	105,850	35,930
Total -----	772,577	1,116,686	1,111,818	781,354
Grand total -----	2,923,030	2,748,644	3,249,939	2,435,544

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	4,090	4,265	4,959	3,151
Austria -----	6,637	11,963	23,494	13,811
Brazil -----	60,073	32,186	41,170	36,362
Czechoslovakia -----	1,126	2,057	3,472	2,779
East Germany -----	548	1,862	4,115	2,763
EC countries-----	285,894	214,253	346,165	330,377
Finland -----	767	1,915	5,624	2,987
Hungary -----	0	0	266	517
Japan -----	361,854	295,849	597,887	378,193
Mexico -----	43,283	57,935	71,872	74,372
Peoples Rep of China -----	208	895	7,066	360
Poland -----	1,571	2,219	3,115	2,105
Romania -----	5,758	7,377	11,018	5,411
Republic of South Africa -----	13,291	15	0	0
Korea, Republic of -----	178,206	137,101	239,742	176,982
Trinidad and Tobago -----	5	0	0	0
Venezuela -----	11,700	13,066	7,535	8,737
Yugoslavia -----	1,982	2,462	2,036	946
Total-----	976,993	785,420	1,369,536	1,039,853
Other countries:				
Canada -----	179,832	254,194	266,692	281,447
Argentina -----	14,160	38,060	76,641	51,423
Taiwan -----	46,185	28,607	39,591	28,827
Thailand -----	19,224	32,613	58,119	14,718
Singapore -----	10,066	13,763	19,833	13,215
India -----	2,692	4,059	20,173	11,846
Sweden -----	14,268	21,798	23,510	23,653
Turkey -----	6,504	43,271	14,568	6,678
Algeria -----	261	3,756	5,957	2,531
Israel -----	12,261	4,934	6,218	4,759
All others-----	12,318	32,102	48,029	17,951
Total-----	317,771	477,157	579,331	457,048
Grand total-----	1,294,764	1,262,577	1,948,867	1,496,901

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	192,227	155,092	282,061	274,550
Austria -----	129,400	116,298	134,200	82,507
Brazil -----	1,122,924	1,135,516	1,468,033	1,382,924
Czechoslovakia -----	32,249	29,792	37,280	25,660
East Germany -----	60,687	95,910	92,234	55,867
EC countries -----	6,555,144	5,760,255	6,147,884	5,530,746
Finland -----	191,555	166,202	204,209	213,588
Hungary -----	20,572	27,064	30,094	28,420
Japan -----	4,442,667	4,311,383	4,277,647	3,602,047
Mexico -----	423,275	471,462	478,207	451,951
Peoples Rep of China -----	41,912	51,081	68,735	61,850
Poland -----	60,314	91,561	89,325	72,268
Romania -----	87,616	82,408	102,530	49,436
Republic of South Africa -----	515,860	30,015	1,693	756
Korea, Republic of -----	1,625,917	1,419,183	1,560,497	1,178,972
Trinidad and Tobago -----	77,219	62,575	31,380	48,028
Venezuela -----	141,503	170,571	169,376	173,574
Yugoslavia -----	24,944	15,394	12,734	8,219
Total-----	15,745,985	14,191,762	15,188,119	13,241,363
Other countries:				
Canada -----	3,348,415	3,763,701	3,373,766	3,159,739
Argentina -----	177,545	346,313	557,969	227,661
Sweden -----	506,346	566,885	522,294	212,323
Turkey -----	150,268	407,413	307,985	211,804
Taiwan -----	492,205	257,931	243,886	159,725
India -----	28,959	60,231	99,714	104,994
Norway -----	96,764	154,194	181,502	90,181
Singapore -----	115,295	144,538	153,163	78,598
New Zealand -----	24,354	53,494	88,979	78,564
Indonesia -----	37,903	235,573	281,142	69,342
All others -----	227,522	416,870	512,272	191,835
Total-----	5,205,576	6,407,143	6,322,672	4,584,766
Grand total-----	20,951,561	20,598,905	21,510,791	17,826,129

See footnote(s) at end of table.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	72,855	70,279	118,320	126,499
Austria -----	51,925	49,477	70,268	52,952
Brazil -----	293,404	318,756	451,458	455,362
Czechoslovakia -----	6,934	7,156	11,986	8,844
East Germany -----	15,298	25,328	31,334	18,908
EC countries -----	2,341,149	2,227,322	2,702,007	2,591,992
Finland -----	53,455	51,574	81,482	83,209
Hungary -----	4,666	6,191	8,600	9,155
Japan -----	2,054,647	2,045,689	2,386,680	2,160,017
Mexico -----	138,098	172,255	220,745	216,702
Peoples Rep of China -----	16,712	23,479	27,385	34,364
Poland -----	16,756	26,671	29,711	25,514
Romania -----	23,574	25,093	36,033	17,347
Republic of South Africa -----	144,637	7,322	1,487	590
Korea, Republic of -----	628,894	608,066	743,129	604,322
Trinidad and Tobago -----	18,733	15,482	8,400	14,695
Venezuela -----	44,596	48,835	53,667	61,595
Yugoslavia -----	7,267	5,404	5,925	3,419
Total-----	5,933,600	5,734,379	6,988,617	6,485,486
Other countries:				
Canada -----	1,360,503	1,591,881	1,593,962	1,559,576
Argentina -----	55,192	122,372	221,780	109,850
Sweden -----	169,088	207,367	221,486	141,425
Turkey -----	41,114	123,568	93,038	65,996
Taiwan -----	161,213	104,597	109,041	90,727
India -----	9,463	22,038	42,731	42,851
Norway -----	28,599	39,717	55,371	33,914
Singapore -----	33,669	42,953	50,360	31,647
New Zealand -----	18,933	22,900	35,993	41,302
Indonesia -----	9,587	56,949	81,687	24,707
All others -----	82,257	144,775	192,526	89,098
Total-----	1,969,618	2,479,117	2,697,975	2,231,093
Grand total-----	7,903,218	8,213,496	9,686,592	8,716,579

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	18	0	73	0
Brazil -----	159	13,361	1,683	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	1,663	6,709	10,624	13,995
Finland -----	35	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,741	3,605	1,935	698
Mexico -----	0	0	0	176
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	74	293
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	0	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	4,616	23,675	14,389	15,162
Other countries:				
Canada -----	6,808	25,200	33,527	36,556
Sweden -----	6,199	7,849	14,491	10,403
Taiwan -----	0	0	0	1/
Israel -----	0	0	0	1/
Total-----	13,007	33,049	48,018	46,959
Grand total-----	17,623	56,724	62,407	62,121

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	41	0	234	0
Brazil -----	220	3,904	542	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	1,978	5,984	13,120	12,572
Finland -----	50	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,978	3,581	2,906	1,413
Mexico -----	0	0	0	448
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	102	532
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	0	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	5,267	13,469	16,904	14,965
Other countries:				
Canada -----	6,301	25,133	52,871	68,918
Sweden -----	6,913	7,692	23,240	23,075
Taiwan -----	0	0	0	16
Israel -----	0	0	0	5
Hong Kong -----	0	0	0	2
Total -----	13,214	32,825	76,111	92,016
Grand total -----	18,481	46,294	93,015	106,981

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	127	96	249	197
Brazil -----	6	36	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	12,505	5,278	7,364	12,024
Finland -----	968	2,369	2,730	1,746
Hungary -----	0	0	0	0
Japan -----	860	1,558	2,225	1,542
Mexico -----	0	2	0	4
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	199	0	0	0
Korea, Republic of -----	0	0	125	10
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	14,665	9,339	12,693	15,523
Other countries:				
Sweden -----	1,724	1,744	2,779	2,014
Canada -----	26	34	371	177
Anguilla -----	0	0	5	0
Total-----	1,750	1,778	3,155	2,191
Grand total-----	16,415	11,117	15,848	17,714

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	326	366	953	915
Brazil -----	12	56	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	17,371	9,256	15,635	35,694
Finland -----	1,317	3,590	6,147	4,883
Hungary -----	0	0	0	0
Japan -----	1,379	2,339	4,514	4,544
Mexico -----	0	2	0	3
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	216	0	0	0
Korea, Republic of -----	0	0	50	24
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	20,621	15,609	27,299	46,063
Other countries:				
Sweden -----	4,124	3,986	6,775	5,970
Canada -----	46	33	889	425
Anguilla -----	0	0	9	0
Total -----	4,170	4,019	7,673	6,395
Grand total -----	24,791	19,628	34,972	52,458

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	9
Austria -----	57	52	29	16
Brazil -----	472	550	313	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	78,974	55,204	60,758	63,533
Finland -----	9,272	6,296	6,045	1,376
Hungary -----	0	0	0	0
Japan -----	22,110	25,733	22,393	45,776
Mexico -----	11,240	18,819	8,814	14,979
Peoples Rep of China -----	0	21	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	2,475	0	0	0
Korea, Republic of -----	10,065	9,450	7,845	6,875
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	5	0
Yugoslavia -----	0	0	0	0
Total-----	134,665	116,125	106,202	132,564
Other countries:				
Sweden -----	8,227	7,493	8,433	5,978
Canada -----	4,115	4,892	3,838	2,345
Taiwan -----	4,173	345	0	117
Singapore -----	0	0	0	4
Turkey -----	77	0	0	1/
Honduras -----	0	0	19	0
Panama -----	48	0	0	0
Antigua -----	0	1	0	0
Peru -----	0	0	2	0
Norway -----	0	37	0	0
All others -----	265	401	90	0
Total-----	16,905	13,169	12,382	8,444
Grand total-----	151,570	129,294	118,584	141,008

See footnote(s) at end of table.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	12
Austria -----	194	202	136	79
Brazil -----	577	675	480	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	105,181	85,776	122,326	139,075
Finland -----	13,588	9,834	13,459	3,850
Hungary -----	0	0	0	0
Japan -----	35,055	43,684	50,112	95,801
Mexico -----	15,853	30,157	16,454	33,470
Peoples Rep of China -----	0	29	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	2,814	0	0	0
Korea, Republic of -----	13,218	14,459	17,343	16,561
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	21	0
Yugoslavia -----	0	0	0	0
Total -----	186,480	184,816	220,331	288,848
Other countries:				
Sweden -----	17,505	17,785	24,684	21,183
Canada -----	5,426	8,019	9,552	7,330
Taiwan -----	5,474	464	0	95
Singapore -----	0	0	0	17
Turkey -----	110	0	0	3
Honduras -----	0	0	35	0
Panama -----	62	0	0	0
Antigua -----	0	11	0	0
Peru -----	0	0	26	0
Norway -----	0	16	0	0
All others -----	378	589	172	0
Total -----	28,955	26,884	34,469	28,628
Grand total -----	215,435	211,700	254,800	317,476

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	2	94	183	200
Brazil -----	2,636	1,450	3,827	4,497
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	9,703	9,725	12,705	10,400
Finland -----	36	0	0	0
Hungary -----	0	0	0	0
Japan -----	19,297	19,259	16,715	20,286
Mexico -----	22	0	49	18
Peoples Rep of China -----	0	4	2	7
Poland -----	0	0	0	0
Romania -----	0	0	18	15
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,643	2,582	1,604	3,165
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	33,339	33,114	35,103	38,588
Other countries:				
Sweden -----	3,359	3,200	3,708	2,727
Canada -----	1,056	1,269	1,641	1,711
India -----	0	126	224	214
Argentina -----	130	111	0	93
Taiwan -----	4	59	49	59
Switzerland -----	0	66	1/	13
Jordan -----	2	0	0	10
Indonesia -----	0	0	0	2
Singapore -----	0	0	0	1/
Israel -----	0	0	0	1/
All others -----	0	46	1/	0
Total-----	4,551	4,877	5,622	4,829
Grand total-----	37,890	37,991	40,725	43,417

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	5	257	412	527
Brazil -----	4,841	2,503	5,743	10,550
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	19,279	18,326	29,888	30,443
Finland -----	46	0	0	0
Hungary -----	0	0	0	0
Japan -----	37,714	36,707	40,671	63,821
Mexico -----	27	0	163	33
Peoples Rep of China -----	0	75	40	32
Poland -----	0	0	0	0
Romania -----	0	0	30	27
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,920	4,294	3,389	9,017
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	64,832	62,162	80,336	114,450
Other countries:				
Sweden -----	6,726	6,180	8,981	8,819
Canada -----	2,447	2,136	3,608	4,540
India -----	0	199	420	509
Argentina -----	246	201	0	169
Taiwan -----	5	108	162	166
Switzerland -----	0	129	1	92
Jordan -----	7	0	0	41
Indonesia -----	0	0	0	53
Singapore -----	0	0	0	2
Israel -----	0	0	0	4
All others -----	0	70	3	0
Total-----	9,431	9,023	13,175	14,395
Grand total-----	74,263	71,185	93,511	128,845

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	0	49	88
Brazil -----	1,348	874	964	809
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,321	7,023	8,877	10,582
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	6,101	5,544	5,483	6,087
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	863	868	375	336
Trinidad and Tobago -----	0	0	138	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	17	0
Total-----	14,633	14,309	15,903	17,902
Other countries:				
Sweden -----	3,864	3,955	3,159	3,497
Canada -----	0	0	1/	284
Argentina -----	0	0	0	15
Taiwan -----	0	47	148	0
Total-----	3,864	4,002	3,307	3,796
Grand total-----	18,497	18,311	19,210	21,698

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	0	68	129
Brazil -----	1,619	1,224	1,543	1,991
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	11,079	13,628	23,039	30,861
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	9,707	8,927	11,611	16,226
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,112	1,150	552	796
Trinidad and Tobago -----	0	0	202	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	22	0
Total -----	23,517	24,929	37,037	50,003
Other countries:				
Sweden -----	6,619	6,995	7,916	11,170
Canada -----	0	0	2	787
Argentina -----	0	0	0	26
Taiwan -----	0	72	328	0
Total -----	6,619	7,067	8,246	11,983
Grand total -----	30,136	31,996	45,283	61,986

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	15	37	25	105
Brazil -----	156	188	156	849
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,522	7,384	8,101	7,542
Finland -----	0	0	0	7
Hungary -----	0	0	0	0
Japan -----	3,621	4,254	4,719	4,796
Mexico -----	0	0	1	6
Peoples Rep of China -----	6	0	0	0
Poland -----	0	71	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,033	884	986	759
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	3	0
Yugoslavia -----	0	0	0	3
Total-----	11,353	12,818	13,991	14,067
Other countries:				
Sweden -----	2,459	2,555	2,685	2,493
Canada -----	2,483	2,043	2,277	2,355
Taiwan -----	1,191	1,462	1,221	1,099
India -----	0	77	209	896
Switzerland -----	42	47	268	337
Thailand -----	0	0	0	71
Singapore -----	12	0	1/	1/
Hong Kong -----	0	0	0	1/
All others -----	0	79	0	0
Total-----	6,187	6,263	6,660	7,251
Grand total-----	17,540	19,081	20,651	21,318

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	91	64	39	81
Austria -----	50	172	117	516
Brazil -----	213	282	304	2,069
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	18,288	18,881	24,922	28,620
Finland -----	0	0	0	58
Hungary -----	0	0	0	0
Japan -----	11,367	13,957	18,705	20,748
Mexico -----	0	0	6	3
Peoples Rep of China -----	13	0	0	0
Poland -----	0	16	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,563	2,240	3,044	3,042
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	11	0
Yugoslavia -----	0	0	0	4
Total -----	32,585	35,612	47,148	55,141
Other countries:				
Sweden -----	10,073	10,548	12,922	13,952
Canada -----	6,594	6,960	9,650	12,604
Taiwan -----	2,927	3,797	3,824	3,834
India -----	0	159	414	2,432
Switzerland -----	128	170	1,254	1,590
Thailand -----	0	0	0	274
Singapore -----	25	0	5	9
Hong Kong -----	0	0	0	4
All others -----	0	134	0	0
Total -----	19,747	21,768	28,069	34,699
Grand total -----	52,332	57,380	75,217	89,840

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	23	0
Austria -----	490	395	756	664
Brazil -----	6	0	0	12
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	4,905	4,519	7,081	11,955
Finland -----	6	0	1/	0
Hungary -----	0	0	0	0
Japan -----	11,167	7,208	8,365	9,327
Mexico -----	372	781	950	346
Peoples Rep of China -----	1/	0	0	4
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	1/
Korea, Republic of -----	773	517	392	684
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	17,719	13,420	17,567	22,992
Other countries:				
Canada -----	4,471	5,432	6,925	6,241
Sweden -----	7,673	4,016	5,253	4,208
Taiwan -----	3,358	3,571	6,809	3,135
Thailand -----	0	0	188	332
Singapore -----	0	0	0	315
Switzerland -----	10	2	1	16
Malaysia -----	0	1/	0	13
India -----	1/	0	4	5
Norway -----	38	1/	0	1/
Israel -----	1/	1/	4	1/
All others -----	4	6	1/	0
Total-----	15,554	13,027	19,184	14,265
Grand total-----	33,273	26,447	36,751	37,257

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	135	0
Austria -----	1,588	1,637	4,157	5,246
Brazil -----	24	0	0	54
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	15,020	14,687	27,461	45,286
Finland -----	16	0	1	0
Hungary -----	0	0	0	0
Japan -----	33,103	22,587	31,923	52,918
Mexico -----	864	1,654	2,891	1,195
Peoples Rep of China -----	1	0	0	12
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	4
Korea, Republic of -----	2,006	1,412	1,255	2,570
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	52,622	41,977	67,823	107,285
Other countries:				
Canada -----	12,987	17,196	24,048	30,786
Sweden -----	21,657	12,414	22,285	22,758
Taiwan -----	7,470	9,190	21,308	12,587
Thailand -----	0	0	458	874
Singapore -----	0	0	0	1,060
Switzerland -----	348	168	177	212
Malaysia -----	0	2	0	45
India -----	14	0	17	20
Norway -----	86	2	0	7
Israel -----	46	49	77	3
All others-----	10	21	2	0
Total-----	42,618	39,042	68,372	68,352
Grand total-----	95,240	81,019	136,195	175,637

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	14	19	0	18
Austria -----	3,070	2,693	2,538	2,709
Brazil -----	1,699	997	1,920	2,052
Czechoslovakia -----	0	0	21	33
East Germany -----	25	0	4	0
EC countries-----	15,123	10,349	12,825	16,254
Finland -----	0	22	5	0
Hungary -----	0	0	0	0
Japan -----	6,429	6,077	4,416	5,543
Mexico -----	376	139	346	137
Peoples Rep of China -----	0	1/	103	167
Poland -----	294	304	249	225
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,285	1,388	779	1,167
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	68
Yugoslavia -----	10	0	0	0
Total-----	28,325	21,988	23,206	28,373
Other countries:				
Sweden -----	10,079	11,669	12,254	10,867
Canada -----	6,172	6,868	8,573	8,963
Argentina -----	134	70	42	98
Soviet Union -----	0	0	0	10
Israel -----	0	0	0	1/
India -----	0	0	19	1/
Switzerland -----	15	1/	1/	1/
Malaysia -----	0	2	0	0
Taiwan -----	22	1/	0	0
New Zealand -----	1	0	0	0
Total-----	16,423	18,609	20,888	19,938
Grand total-----	44,748	40,597	44,094	48,311

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	50	31	0	41
Austria -----	6,567	5,895	6,561	7,507
Brazil -----	3,129	1,349	3,560	3,481
Czechoslovakia -----	0	0	33	46
East Germany -----	8	0	6	0
EC countries -----	24,350	18,558	23,213	31,615
Finland -----	0	37	15	0
Hungary -----	0	0	0	0
Japan -----	12,443	12,370	14,883	11,142
Mexico -----	735	142	434	183
Peoples Rep of China -----	0	4	149	219
Poland -----	384	454	468	567
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,810	2,097	1,303	1,979
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	86
Yugoslavia -----	12	0	0	0
Total -----	49,488	40,937	50,625	56,866
Other countries:				
Sweden -----	24,303	28,049	30,589	30,000
Canada -----	8,906	9,342	12,019	12,883
Argentina -----	203	122	65	165
Soviet Union -----	0	0	0	8
Israel -----	0	0	0	10
India -----	0	0	16	4
Switzerland -----	11	2	2	1
Malaysia -----	0	1	0	0
Taiwan -----	51	1	0	0
New Zealand -----	2	0	0	0
Total -----	33,476	37,517	42,691	43,071
Grand total -----	82,964	78,454	93,316	99,937

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	15	20	24	28
Austria -----	3,777	3,368	3,901	3,979
Brazil -----	6,482	17,456	8,863	8,218
Czechoslovakia -----	0	0	21	33
East Germany -----	25	0	4	0
EC countries-----	135,716	106,191	128,336	146,285
Finland -----	10,318	8,687	8,780	3,128
Hungary -----	0	0	0	0
Japan -----	72,328	73,238	66,251	94,055
Mexico -----	12,011	19,741	10,160	15,666
Peoples Rep of China -----	6	26	106	178
Poland -----	294	375	323	518
Romania -----	0	0	18	15
Republic of South Africa -----	2,674	0	0	1/
Korea, Republic of -----	15,661	15,689	12,105	12,998
Trinidad and Tobago -----	0	0	138	0
Venezuela -----	0	0	7	68
Yugoslavia -----	10	0	17	3
Total-----	259,317	244,791	239,054	285,172
Other countries:				
Canada -----	25,130	45,739	57,153	58,631
Sweden -----	43,584	42,482	52,761	42,184
Taiwan -----	8,747	5,484	8,227	4,411
India -----	185	544	546	1,116
Thailand -----	0	0	188	403
Switzerland -----	129	116	270	366
Singapore -----	12	0	1/	320
Argentina -----	263	181	42	206
Malaysia -----	0	2	0	13
Soviet Union -----	0	0	0	10
All others-----	190	230	31	14
Total-----	78,240	94,778	119,218	107,674
Grand total-----	337,557	339,569	358,272	392,846

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1986-1989--Continued

Item	1986	1987	1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	142	95	174	133
Austria -----	8,771	8,529	12,639	14,919
Brazil -----	10,635	9,993	12,173	18,144
Czechoslovakia -----	0	0	33	46
East Germany -----	8	0	6	0
EC countries -----	212,547	185,095	279,603	354,166
Finland -----	15,018	13,461	19,623	8,791
Hungary -----	0	0	0	0
Japan -----	143,744	144,150	175,325	266,614
Mexico -----	17,480	31,955	19,948	35,334
Peoples Rep of China -----	14	108	189	263
Poland -----	384	470	570	1,099
Romania -----	0	0	30	27
Republic of South Africa -----	3,030	0	0	4
Korea, Republic of -----	23,628	25,652	26,936	33,988
Trinidad and Tobago -----	0	0	202	0
Venezuela -----	0	0	32	86
Yugoslavia -----	12	0	22	4
Total-----	435,413	419,508	547,505	733,618
Other countries:				
Canada -----	42,707	68,819	112,639	138,273
Sweden -----	97,920	93,649	137,391	136,926
Taiwan -----	15,927	13,631	25,622	16,698
India -----	260	851	1,039	2,965
Thailand -----	0	0	458	1,148
Switzerland -----	581	469	1,434	1,895
Singapore -----	25	0	5	1,088
Argentina -----	449	323	65	360
Malaysia -----	0	4	0	45
Soviet Union -----	0	0	0	8
All others -----	361	400	152	132
Total-----	158,230	178,146	278,805	299,538
Grand total-----	593,643	597,654	826,310	1,033,156

1/ Less than 0.5 short tons

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1986-1989

(Per short ton)

Item	1986	1987	1988	1989
Carbon and certain alloy 1/2 steel:				
Semifinished 2/3-----	191	211	240	259
Plate-----	294	332	405	400
Sheet and strip:				
Hot rolled-----	279	308	364	378
Cold rolled-----	408	449	509	546
Galvanized-----	465	503	552	587
Tin plate-----	527	533	567	613
Tin free-----	493	509	542	574
Other coated-----	500	528	590	616
Average, sheet and strip-----	399	433	481	511
Bar:				
Hot finished-----	354	369	406	454
Cold finished-----	512	831	598	658
Reinforcing-----	226	248	262	308
Light shapes-----	297	315	382	349
Average, bar-----	329	400	396	445
Wire rod-----	318	313	347	374
Wire-----	606	631	691	734
Wire products-----	604	628	659	928
Structural shapes and units:				
Heavy structurals-----	296	304	376	377
Fabricated structurals-----	906	898	939	1,129
Average, structurals-----	388	378	436	452
Rails and related products---	325	325	383	471
Pipe and tube:				
Oil country tubular goods---	517	536	730	743
Line pipe-----	417	421	529	563
Mechanical pipe-----	630	623	675	787
Structural pipe-----	343	368	507	563
Pressure tubing-----	654	688	793	1,021
Other (incl. standard)-----	403	415	487	520
Average, pipe and tube-----	443	459	600	615
Average, carbon and certain alloy 1/2 steel---	377	399	450	489

See footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1986-1989

• (Per short ton)

Item	1986	1987	1988	1989
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	1,049	816	1,490	1,722
Plate-----	1,510	1,766	2,207	2,962
Sheet and strip:				
Sheet-----	1,361	1,566	2,067	2,084
Strip-----	2,198	2,555	3,331	3,219
Average, sheet and strip:	1,421	1,637	2,149	2,251
Bars and shapes-----	1,960	1,874	2,296	2,968
Wire rod-----	1,629	1,747	2,357	2,857
Wire-----	2,983	3,007	3,642	4,214
Pipe and tube-----	2,862	3,063	3,706	4,714
Alloy tool steel (all forms):	1,854	1,932	2,116	2,069
Average, stainless and alloy steel-----	1,759	1,760	2,306	2,630

1/ Including alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings by specified periods, 1986-1989

Item	1986	1987	1988	1989
Quantity (short tons)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	152,445	103,967	103,282	25,863
Blooms and billets-----	418,113	426,208	581,907	504,638
Slabs and sheet bars-----	1,496,142	1,702,095	2,097,383	1,605,189
Total-----	2,066,700	2,232,270	2,782,572	2,135,690
Plate:				
Carbon-----	1,363,633	1,450,898	1,750,917	1,312,364
Alloy-----	76,742	104,678	106,172	107,032
Total-----	1,440,375	1,555,577	1,857,090	1,419,396
Sheet and strip:				
Hot rolled:				
Sheet-----	2,090,107	2,123,804	2,199,268	1,835,755
Strip-----	43,557	43,197	49,553	110,452
Cold rolled:				
Black plate-----	205,937	159,779	145,166	144,642
Electrical-----	81,703	64,822	64,684	85,328
Other sheet-----	2,556,385	2,156,348	2,011,242	1,701,183
Other strip-----	148,279	135,227	126,534	112,196
Galvanized-----	2,321,108	2,306,233	1,948,811	1,625,227
Tin plate-----	359,658	332,306	294,552	337,330
Tin free-----	110,569	101,172	97,460	114,902
Other coated-----	209,730	323,709	248,111	235,827
Total-----	8,127,033	7,746,596	7,185,380	6,302,844
Bar:				
Hot rolled:				
Carbon-----	420,515	443,037	476,951	525,944
Alloy-----	155,218	160,811	186,902	238,912
Cold rolled:				
Carbon-----	160,083	152,283	161,345	118,180
Alloy-----	44,226	40,927	52,093	46,608
Reinforcing-----	454,735	351,632	357,253	233,733
Light structural shapes-----	158,953	132,477	126,568	100,927
Total-----	1,393,731	1,281,168	1,361,113	1,264,305

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings by specified periods, 1986-1989--Continued

Item	1986	1987	1988	1989
	Quantity (short tons)			
Wire rod and related products:				
Wire rod:				
Carbon-----	1,236,274	1,341,257	1,355,951	1,085,797
Alloy-----	107,982	107,463	118,672	42,620
Wire:				
Carbon-----	528,187	504,898	486,699	432,369
Alloy-----	36,294	31,999	33,028	40,615
Wire products:				
Nails-----	393,673	440,746	364,748	384,737
Barbed wire-----	22,157	16,643	15,538	12,440
Wire fencing-----	12,063	13,263	12,052	60,907
Bale ties-----	696	1,719	1,849	955
Wire strand-----	121,596	98,898	88,300	161,751
Wire rope-----	73,994	65,683	77,564	82,812
Milliners wire-----	12,412	12,426	12,400	1/
Total-----	2,545,328	2,634,993	2,566,801	2,305,004
Structurals:				
Heavy-----	1,852,377	1,884,684	1,955,762	1,477,782
Fabricated-----	327,280	268,985	232,705	162,579
Total-----	2,179,657	2,153,669	2,188,467	1,640,361
Rails and related products:				
Rails-----	244,737	213,530	260,006	244,236
Joint bars and tie plates-----	21,025	13,969	8,487	14,023
Track spikes-----	323	370	205	5,853
Wheels and axles-----	9,626	18,120	50,734	58,873
Total-----	275,710	245,988	319,432	322,985
Pipes and tubes:				
Oil country tubular goods-----	651,840	594,463	1,032,296	429,448
Line pipe-----	782,764	526,047	507,914	526,983
Mechanical pipe-----	239,170	284,807	382,270	281,056
Structural pipe-----	479,768	428,758	278,870	323,918
Pressure tubing-----	25,086	27,122	52,100	44,944
Other (including standard)-----	744,400	887,446	996,487	829,195
Total-----	2,923,029	2,748,644	3,249,937	2,435,544

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings by specified periods, 1986-1989--Continued

Item	1986	1987	1988	1989
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	404	1,106	3,877	191
Blooms and billets-----	11,822	48,955	40,772	42,268
Slabs and sheet bars-----	5,397	6,664	17,758	19,663
Total-----	17,622	56,725	62,407	62,121
Plate-----	16,415	11,118	15,847	17,713
Sheet and strip:				
Sheet:				
Hot rolled-----	4,275	5,179	7,331	8,070
Cold rolled-----	136,440	114,806	103,577	112,191
Strip-----	10,856	9,309	7,676	20,748
Total-----	151,571	129,295	118,584	141,009
Bars and shapes-----	37,888	37,991	40,724	43,417
Wire rod-----	18,496	18,311	19,210	21,698
Wire-----	17,541	19,084	20,653	21,319
Pipe and tube-----	33,274	26,448	36,752	37,258
Alloy tool steel (all forms):				
Semifinished 2/-----	8,032	6,880	4,408	1,005
Bars-----	21,496	19,792	28,867	1,576
Other-----	15,221	13,927	10,820	45,732
Total-----	44,749	40,599	44,095	48,313

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings by specified periods, 1986-1989

Item	1986	1987	1988	1989
Share of product group totals (percent)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	7.38	4.66	3.71	1.21
Blooms and billets-----	20.23	19.09	20.91	23.63
Slabs and sheet bars-----	72.39	76.25	75.38	75.16
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.67	93.27	94.28	92.46
Alloy-----	5.33	6.73	5.72	7.54
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	25.72	27.42	30.61	29.13
Strip-----	0.54	0.56	0.69	1.75
Cold rolled:				
Black plate-----	2.53	2.06	2.02	2.29
Electrical-----	1.01	0.84	0.90	1.35
Other sheet-----	31.46	27.84	27.99	26.99
Other strip-----	1.82	1.75	1.76	1.78
Galvanized-----	28.56	29.77	27.12	25.79
Tin plate-----	4.43	4.29	4.10	5.35
Tin free-----	1.36	1.31	1.36	1.82
Other coated-----	2.58	4.18	3.45	3.74
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	30.17	34.58	35.04	41.60
Alloy-----	11.14	12.55	13.73	18.90
Cold rolled:				
Carbon-----	11.49	11.89	11.85	9.35
Alloy-----	3.17	3.19	3.83	3.69
Reinforcing-----	32.63	27.45	26.25	18.49
Light structural shapes-----	11.40	10.34	9.30	7.98
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings by specified periods, 1986-1989--Continued

Item	1986	1987	1988	1989
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	48.57	50.90	52.83	47.11
Alloy-----	4.24	4.08	4.62	1.85
Wire:				
Carbon-----	20.75	19.16	18.96	18.76
Alloy-----	1.43	1.21	1.29	1.76
Wire products:				
Nails-----	15.47	16.73	14.21	16.69
Barbed wire-----	0.87	0.63	0.61	0.54
Wire fencing-----	0.47	0.50	0.47	2.64
Bale ties-----	0.03	0.07	0.07	0.04
Wire strand-----	4.78	3.75	3.44	7.02
Wire rope-----	2.91	2.49	3.02	3.59
Milliners wire-----	0.49	0.47	0.48	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	84.98	87.51	89.37	90.09
Fabricated-----	15.02	12.49	10.63	9.91
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	88.77	86.80	81.40	75.62
Joint bars and tie plates-----	7.63	5.68	2.66	4.34
Track spikes-----	0.12	0.15	0.06	1.81
Wheels and axles-----	3.49	7.37	15.88	18.23
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	22.30	21.63	31.76	17.63
Line pipe-----	26.78	19.14	15.63	21.64
Mechanical pipe-----	8.18	10.36	11.76	11.54
Structural pipe-----	16.41	15.60	8.58	13.30
Pressure tubing-----	0.86	0.99	1.60	1.85
Other (including standard)-----	25.47	32.29	30.66	34.05
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings by specified periods, 1986-1989--Continued

Item	1986	1987	1988	1989
Share of product group totals (percent)				

Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	2.29	1.95	6.21	0.31
Blooms and billets-----	67.09	86.30	65.33	68.04
Slabs and sheet bars-----	30.62	11.75	28.45	31.65
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled-----	2.82	4.01	6.18	5.72
Cold rolled-----	90.02	88.79	87.34	79.56
Strip-----	7.16	7.20	6.47	14.71
Total-----	100.00	100.00	100.00	100.00
Bars and shapes-----	100.00	100.00	100.00	100.00
Wire rod-----	100.00	100.00	100.00	100.00
Wire-----	100.00	100.00	100.00	100.00
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished ^{2/} -----	17.95	16.95	10.00	2.08
Bars-----	48.04	48.75	65.47	3.26
Other-----	34.01	34.30	24.54	94.66
Total-----	100.00	100.00	100.00	100.00

^{1/} Milliners wire is included in total wire products.

^{2/} Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

^{3/} Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

**Table 32.--Steel mill products and certain fabricated steel products:
U.S. imports for consumption, by customs areas, 1986-1989**

(Short tons)

Item	1986	1987	1988	1989
Atlantic Coast	4,915,642	4,673,187	4,743,215	3,511,002
Great Lakes-Canadian border	6,484,922	6,594,724	6,342,613	5,688,359
Gulf Coast-Mexican border	5,144,258	4,930,247	5,938,464	4,561,998
Off-shore	470,616	374,262	403,506	371,810
Pacific Coast	4,273,681	4,366,056	4,441,267	4,085,806
Total	21,289,119	20,938,475	21,869,065	18,218,976

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 33.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Atlantic Coast customs area, 1986-1989

(Short tons)

Item	1986	1987	1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	420,146	384,562	471,964	323,401
Plate-----	265,696	258,880	331,537	216,546
Sheet and strip-----	2,114,016	1,900,352	1,771,637	1,281,884
Bars and certain shapes-----	265,102	222,055	220,708	155,134
Wire rod-----	269,425	310,731	297,606	215,013
Wire-----	138,407	119,558	108,857	88,009
Wire products-----	235,748	266,335	220,011	237,679
Structural shapes and units-----	541,402	581,450	602,240	458,130
Rails and related products-----	18,320	25,273	36,885	35,669
Pipe and tube-----	483,899	462,605	523,784	340,606
Total-----	4,752,161	4,531,600	4,585,229	3,352,071
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	8,592	15,595	24,249	14,669
Plate-----	9,221	4,167	6,134	8,900
Sheet and strip-----	62,730	42,918	45,874	47,531
Bars and certain shapes-----	20,307	19,945	22,371	22,418
Wire rod-----	14,402	13,117	13,526	16,289
Wire-----	9,570	10,357	10,593	11,848
Pipe and tube-----	12,306	10,147	12,391	14,468
Tool steel (all forms)-----	26,352	25,340	22,848	22,807
Total-----	163,481	141,586	157,986	158,931
Grand Total-----	4,915,642	4,673,187	4,743,215	3,511,002

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
 2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 34.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Great Lakes-Canadian border customs area, 1986-1989

(Short tons)

Item	1986	1987	1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	614,958	498,851	414,978	393,604
Plate-----	532,453	663,496	723,681	551,017
Sheet and strip-----	2,671,422	2,630,195	2,396,464	2,145,556
Bars and certain shapes-----	563,444	561,285	625,771	650,140
Wire rod-----	518,651	565,070	545,070	466,968
Wire-----	264,474	251,126	253,271	230,319
Wire products-----	103,566	95,457	83,750	106,485
Structural shapes and units-----	635,262	566,003	522,423	375,682
Rails and related products-----	87,985	107,729	179,981	161,932
Pipe and tube-----	420,125	564,259	488,579	492,836
Total-----	6,412,340	6,503,470	6,233,970	5,574,539
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	7,263	27,149	34,966	36,980
Plate-----	990	1,971	3,246	2,652
Sheet and strip-----	36,402	34,156	33,923	35,814
Bars and certain shapes-----	3,930	4,170	4,098	4,337
Wire rod-----	770	1,047	661	822
Wire-----	4,592	4,794	6,053	5,832
Pipe and tube-----	5,639	6,134	7,833	7,190
Tool steel (all forms)-----	12,997	11,832	17,864	20,192
Total-----	72,583	91,654	108,644	113,820
Grand Total-----	6,484,922	6,594,724	6,342,613	5,688,359

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1986-1989

(Short tons)

Item	1986	1987	1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	581,228	866,421	1,061,770	684,289
Plate-----	419,732	419,658	567,614	439,139
Sheet and strip-----	1,667,147	1,515,043	1,558,244	1,316,891
Bars and certain shapes-----	137,209	131,573	137,056	157,610
Wire rod-----	266,067	257,709	349,946	220,248
Wire-----	68,713	76,094	64,524	61,675
Wire products-----	126,549	107,410	105,823	138,125
Structural shapes and units--	450,697	473,758	493,074	323,672
Rails and related products--	92,952	61,358	64,016	81,408
Pipe and tube-----	1,285,600	959,115	1,493,874	1,070,870
Total -----	5,095,895	4,868,139	5,895,942	4,493,927
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	1,345	13,974	3,131	10,462
Plate-----	4,246	2,714	3,233	4,000
Sheet and strip-----	23,265	29,042	16,038	30,376
Bars and certain shapes-----	5,852	5,951	6,668	7,646
Wire rod-----	722	1,117	1,220	1,735
Wire-----	851	1,350	606	1,144
Pipe and tube-----	9,652	6,665	10,896	11,123
Tool steel (all forms)-----	2,430	1,295	730	1,585
Total -----	48,363	62,108	42,523	68,072
Grand Total -----	5,144,258	4,930,247	5,938,464	4,561,998

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Off-shore customs area, 1986-1989

(Short tons)

Item	1986	1987	1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	1,048	0	3/	0
Plate-----	8,335	6,693	13,906	7,984
Sheet and strip-----	94,531	90,238	72,445	77,155
Bars and certain shapes-----	200,705	164,360	157,820	169,928
Wire rod-----	8,279	11,940	16,953	5,174
Wire-----	13,575	11,147	14,739	11,407
Wire products-----	8,551	7,285	10,190	6,070
Structural shapes and units--	27,365	22,499	21,786	28,269
Rails and related products--	641	445	88	333
Pipe and tube-----	105,346	58,545	93,829	64,215
Total-----	468,378	373,151	401,758	370,534
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	0	0	3/	1
Sheet and strip-----	22	1	0	151
Bars and certain shapes-----	0	0	15	3/
Wire rod-----	0	0	0	0
Wire-----	1,368	1,074	1,690	810
Pipe and tube-----	847	36	42	18
Tool steel (all forms)-----	0	0	0	295
Total-----	2,238	1,111	1,748	1,277
Grand Total-----	470,616	374,262	403,506	371,810

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

3/ Less than 0.5 short tons.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 37.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Pacific Coast customs area, 1986-1989

(Short tons)

Item	1986	1987	1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	449,319	482,436	833,859	734,396
Plate-----	214,158	206,851	220,352	204,710
Sheet and strip-----	1,579,917	1,610,768	1,386,590	1,481,358
Bars and certain shapes-----	227,271	201,894	219,758	131,492
Wire rod-----	281,835	303,270	265,048	221,015
Wire-----	79,311	78,972	78,336	81,573
Wire products-----	162,177	172,890	152,677	215,243
Structural shapes and units--	524,930	509,959	548,943	454,608
Rails and related products---	75,812	51,183	38,461	43,644
Pipe and tube-----	628,059	704,321	649,871	467,017
Total-----	4,222,789	4,322,545	4,393,893	4,035,056
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	422	7	61	10
Plate-----	1,958	2,266	3,233	2,159
Sheet and strip-----	29,151	23,178	22,749	27,136
Bars and certain shapes-----	7,799	7,925	7,573	9,015
Wire rod-----	2,603	3,030	3,803	2,852
Wire-----	1,160	1,508	1,711	1,685
Pipe and tube-----	4,829	3,465	5,590	4,459
Tool steel (all forms)-----	2,969	2,132	2,653	3,433
Total-----	50,891	43,511	47,373	50,749
Grand Total-----	4,273,681	4,366,056	4,441,267	4,085,806

1/ Certain alloy refers to alloy steel other than stainless or tool steel.
 2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Appendix A

Request Letter From the Honorable Dan Rostenkowski, Chairman
of the Committee on Ways and Means,
U.S. House of Representatives

ONE HUNDRED FIRST CONGRESS

DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

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COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES

WASHINGTON, DC 20515

OFFICE OF THE CLERK
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11:07

November 27, 1989

DOCKET NUMBER
1541
Office of the Secretary
Intl Trade Commission

The Honorable Anne Brunsdale
Chairman
U.S. International Trade Commission
500 E Street, S.W.
Washington, D.C. 20436

Dear Madam Chairman:

The Committee on Ways and Means hereby requests the United States International Trade Commission to continue providing monthly monitoring reports on the status of the steel industry through the period ending March 31, 1992. These reports should generally follow the format of, and contain the same type of information as, the reports which the Commission has been providing under investigation no. 332-226. As you know, the purpose of these reports has been to provide the Committee with factual information for use in overseeing the implementation of the steel voluntary restraint (VRA) program. The original VRA program, and therefore our request for monthly reports, was for the period ending September 30, 1989.

In light of the fact that President Bush has authorized the negotiation of transitional VRA's for an additional two-and-one-half years, and the Congress enacted legislation to provide for the enforcement of VRA's until March 31, 1992, the Committee on Ways and Means would like to continue receiving the monthly steel reports for the duration of the transitional VRA's.

Thank you for your cooperation in this matter.

Sincerely yours,

Dan Rostenkowski
Dan Rostenkowski
Chairman

CLERK OF THE HOUSE OF REPRESENTATIVES

DR/jn

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Appendix B

Notice of Continuation of Investigation No. 332-226 in the
Federal Register

the order, *viz.*, a previous denial of entry, no longer existed.

This action is taken under the authority of section 337 of the Tariff Act of 1930 (19 U.S.C. 1337). The provisions of 19 CFR 211.57(b) with respect to serving notice on all former parties to Inv. No. 337-TA-278 and allowing a period of 30 days for the filing of answers were waived by the Commission in accordance with 19 CFR 201.4(b).

By order of the Commission.
Issued: December 28, 1989.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-197 Filed 1-3-90; 8:45 am]
BILLING CODE 7020-02-01

[Investigation No. 701-TA-301
(Preliminary)]

Plastic Tubing Corrugators From Canada

Determination

On the basis of the record¹ developed in the subject investigation, the Commission determines,² pursuant to section 703(a) of the Tariff Act of 1930 (19 U.S.C. 1671b(a)), that there is no reasonable indication that an industry in the United States is materially injured, or is threatened with material injury, or the establishment of an industry in the United States is materially retarded, by reason of imports from Canada of plastic tubing corrugators, provided for in subheadings 8477.30.00 and 8477.40.00 of the Harmonized Tariff Schedule of the United States (formerly provided for in Items 878.3535 and 878.3545 of the Tariff Schedules of the United States), that are alleged to be subsidized by the Government of Canada.

Background

On November 7, 1989, a petition was filed with the Commission and the Department of Commerce by Cullom Machine Tool & Die, Inc., Cleveland, TN, alleging that an industry in the United States is materially injured by reason of subsidized imports of plastic tubing corrugators and apparatus therefor from Canada. Accordingly, effective November 7, 1989, the Commission instituted preliminary countervailing duty investigation No. 701-TA-301 (Preliminary).

Notice of the institution of the Commission's investigation and of a

¹ The record is defined in § 207.2(h) of the Commission's Rules of Practice and Procedure (19 CFR 207.2(h)).

² Chairman Brundsdale and Vice Chairman Case dissenting.

public conference to be held in connection therewith was given by posting copies of the notice in the Office of the Secretary, U.S. International Trade Commission, Washington, DC, and by publishing the notice in the Federal Register of November 15, 1989 (54 F.R. 47583). The conference was held in Washington, DC, on November 28, 1989, and all persons who requested the opportunity were permitted to appear in person or by counsel.

The Commission transmitted its determination in this investigation to the Secretary of Commerce on December 22, 1989. The views of the Commission are contained in USITC publication 2246 (December 1989), entitled "Plastic Tubing Corrugators from Canada: Determination of the Commission in Investigation No. 701-TA-301 (Preliminary) Under the Tariff Act of 1930, Together With the Information Obtained in the Investigation."

By order of the Commission.

Issued: December 28, 1989.

[FR Doc. 90-203 Filed 1-3-90; 8:45 am]
BILLING CODE 7020-02-01

[332-226]

Monthly Reports on the Status of the Steel Industry

AGENCY: United States International Trade Commission.

ACTION: Continuation of investigation and monthly reports.

FOR FURTHER INFORMATION CONTACT: Mr. Robert Mascola (202-252-1428), Minerals and Metals Division, U.S. International Trade Commission, Washington, DC 20436.

Background

As requested in a letter received on December 6, 1989, from the Chairman, Committee on Ways and Means, U.S. House of Representatives, the Commission will continue investigation No. 332-226, and will furnish to the Committee monthly reports on the status of the steel industry through March 31, 1992. This coincides with the President's program of transitional voluntary restraint agreements (VRAs).

As requested by the Committee, the reports will continue to follow the format of, and contain the same type of information as, the reports which the Commission has heretofore provided. The reports will provide historic and current year-to-date data for the industry as a whole on items such as production, employment, shipments, trade, and financial performance.

With respect to trade, information on imports of major carbon and specialty steel products (such as plate and wire) will be provided on a country-by-country basis or regional basis for each of the countries or regions subject to VRAs, and for other major suppliers. The data will show how imports of semifinished steel and other steel products relate to overall VRA limits.

In addition, information on market penetration in major products will be provided, as will information which will track imports into five major U.S. customs regions. Finally, the report will provide data on the unit values of imported steel.

Notice of institution of the investigation and of the initial series of reports was published in the Federal Register on April 23, 1986 (51 FR 15390).

Hearing impaired individuals are advised that information on this matter can be obtained by contacting our TDD terminal on (202) 252-1810

By order of the Commission.

Issued: December 29, 1989.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-195 Filed 1-3-90; 8:45 am]
BILLING CODE 7020-02-01

[Investigation No. 337-TA-290]

Certain Wire Electrical Discharge Machining Apparatus and Components Thereof; Commission Decision Not To Review an Initial Determination Terminating Two Respondents on the Basis of a Consent Order; Issuance of Consent Order

AGENCY: U.S. International Trade Commission.

ACTION: Notice.

SUMMARY: Notice is hereby given that the U.S. International Trade Commission has determined not to review an initial determination (ID) (Order No. 8) issued by the presiding administrative law judge (ALJ) granting a joint motion for termination of the investigation with respect to respondents Maruka Machinery Co., Ltd. and Maruka Machinery Corporation of America.

FOR FURTHER INFORMATION CONTACT: Craig L. McKee, Esq., Office of the General Counsel, U.S. International Trade Commission, 500 E Street, SW., Washington, DC 20436, telephone 202-252-1117. Hearing-impaired individuals are advised that information on this matter can be obtained by contacting the Commission TDD terminal on 202-252-1810.

Appendix C

USTR 12 December 1989 Press Release on Results of Negotiations

OFFICE OF THE UNITED STATES
TRADE REPRESENTATIVE
EXECUTIVE OFFICE OF THE PRESIDENT
WASHINGTON
20506

FOR IMMEDIATE RELEASE
December 12, 1989

Contact: 89-69
Torie Clarke
Janet Roell
(202) 395-3230

AMBASSADOR HILLS ANNOUNCES RESULTS OF
STEEL NEGOTIATIONS

The U.S. Trade Representative Carla A. Hills announced today the results of negotiations under the President's Steel Trade Liberalization Program announced July 25, 1989. This Program has resulted in the successful negotiation of bilateral agreements with all major steel trading countries to open their markets and eliminate the major government subsidies that distort competition. The United States has also entered into Voluntary Restraint Arrangements (VRAs) with 16 countries and the European Community, extending for a transitional period of two and one-half years an import restraint program begun in 1984. These VRAs will terminate, pursuant to the President's program, on March 31, 1992.

"The bilateral agreements restricting trade distorting practices are the cornerstone of the President's program to seek a consensus to address the causes rather than the symptoms affecting world trade in steel," Hills said. "These agreements include commitments by countries to prohibit subsidies for steel

production as well as to keep markets open for steel. They also incorporate a binding arbitration mechanism that will provide quick and effective remedies if countries violate those commitments."

Bilateral agreements (called "Bilateral Consensus Agreements") have been concluded with the European Community, Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago. These countries account for more than 90 percent of steel imports from countries included in the VRA Program. Negotiations are continuing on bilateral consensus agreements with several additional countries, including: Austria, Finland, and Yugoslavia.

The bilateral consensus agreements include prohibitions against a broad range of government supports for the steel industry, including export and domestic subsidies. In addition, countries have committed to open their markets through the elimination of non-tariff measures, including the phase-out of all quota programs, and, in some cases, further tariff reductions. Moreover, they have agreed to work in the on-going Uruguay Round of Multilateral Trade Negotiations toward the establishment of agreed rules of fair play prohibiting steel subsidies, as well as further reduction and elimination of tariffs.

"The United States now will work aggressively to incorporate into the Uruguay Round the strong rules and prohibitions contained in the bilateral consensus agreements," Hills said. "With the cooperation that our trading partners have already shown, we believe that these agreements will be the building blocks for progress in the Round on eliminating trade distorting subsidies and opening markets. Accordingly, these agreements enhance the prospects for completing these aspects of the Uruguay Round on schedule by December 1990."

In addition, Ambassador Hills announced that negotiations are completed with the European Community and the other 16 countries that have Voluntary Restraint Arrangements. Negotiations for VRAs have been completed with Australia, Austria, Brazil, Czechoslovakia, East Germany, the European Community, Finland, Hungary, Japan, South Korea, Mexico, the Peoples Republic of China, Poland, Romania, Trinidad and Tobago, Venezuela, and Yugoslavia.

"In renegotiating voluntary restraint arrangements, we and other countries have recognized the need to provide a transition to a free market for both foreign and domestic producers, while we implement an international consensus to eliminate trade distorting practices. Furthermore, the renewed VRAs have been successful in balancing both the needs of steel producers and

consumers for adequate supplies of steel mill products," Ambassador Hills said.

President Bush announced his program on July 25, 1989. At that time, he directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent. In order to provide incentives for countries to eliminate trade distorting practices and in order to respond to concerns of steel consumers for adequate supplies of raw materials, the President authorized up to an additional one percent import penetration annually that would be available to countries that enter into bilateral consensus agreements.

As a result of the negotiations, the restraint levels for steel mill products will increase to a 19.10 percent share of domestic consumption in the first year of the new VRA program. This includes the incentives awarded to countries that reached bilateral consensus agreements. Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into such bilateral agreements. Furthermore, renegotiation of VRAs resulted in some redistribution of restraint levels among countries to ensure that those ceilings are better utilized. In addition, the renegotiated VRAs will permit greater quantities of semifinished steel and specialty steel to be imported. The short supply

mechanism also has been improved to provide determinations within 30 days, and in some cases 15 days, of the filing of short supply petitions.

The extension of VRAs for two and one-half years should provide U.S. steel producers sufficient time for the industry to complete their modernization. In renegotiating the VRAs, USTR paid particular attention to sensitive sectors, such as oil country tubular goods, where market conditions have deteriorated.

The "Steel Trade Liberalization Program Implementation Act," H.R. 3275, passed the full House of Representatives October 3, 1989 and similar legislation was passed by the Senate on November 22, 1989. The President will sign the legislation into law this week.

"I greatly appreciate the bipartisan support that the Senate and the House of Representatives have shown for the Program," Hills stated. "This law demonstrates the commitment of both the Administration and Congress to end trade distorting practices in steel and to return to a free, open and truly competitive global market for steel."

STEEL TRADE LIBERALIZATION PROGRAM**Fact Sheet**

United States Trade Representative Carla A. Hills announced today the results of negotiations over the past few months under the President's Steel Trade Liberalization Program, established on July 25, 1989. Negotiations have been successful in achieving:

- o Bilateral consensus agreements with the major market-oriented countries to remove trade distorting practices; and,
- o An extension of Voluntary Restraint Arrangements (VRAs) with all countries with previous VRAs, except South Africa.

Bilateral Consensus Agreements

Bilateral consensus agreements were concluded with most of the major steel trading countries -- the European Economic Community, Japan, South Korea, Brazil, and Mexico -- as well as with Australia, and Trinidad and Tobago. The bilateral agreements concluded thus far account for over 90 percent of the steel imports from VRA countries. Negotiations also are continuing with other market oriented countries on bilateral consensus agreements.

Bilateral consensus agreements are the first step in the President's program to negotiate an international consensus to eliminate trade distorting practices in the steel sector. With the conclusion of these bilateral consensus agreements, the United States will focus its efforts on incorporating the obligations and disciplines in the GATT through the Uruguay Round of Multilateral Trade Negotiations. Those negotiations are scheduled to be completed by December 1990.

Although each bilateral agreement varies, they incorporate the following general obligations and disciplines:

- o A prohibition against future subsidies and other forms of government supports specifically provided to the steel industry.
- o A prohibition against the establishment or reinstatement of any non-tariff measure.
- o Commitments to eliminate subsidies and to reduce and eliminate tariffs within the Uruguay Round.

- o A dispute settlement provision involving binding arbitration when a violation of the agreement occurs. Remedies include increases or decreases in restraint levels and additional duties.

Details of individual agreements will be available once negotiations are concluded with remaining countries.

Renegotiation of Voluntary Restraint Arrangements (VRAs)

Negotiations on the extension of VRAs have been completed with Australia, Austria, Brazil, Czechoslovakia, East Germany, the European Community, Finland, Hungary, Japan, South Korea, Mexico, the Peoples Republic of China, Poland, Romania, Trinidad and Tobago, Venezuela, and Yugoslavia. All Voluntary Restraint Arrangements terminate on March 31, 1992.

The President established an overall restraint level ceiling for VRA countries of 18.4 percent import penetration plus an additional one percent bonus as an incentive for the bilateral consensus agreements. The overall negotiated restraint level for all VRA countries is 19.1 percent for the first year and 20.1 percent for 1991, which includes allocation of some of the incentive to those countries that entered into bilateral consensus agreements. The remainder of the incentive will be available for other countries that negotiate bilateral consensus agreements and for supporting U.S. efforts on steel in the Uruguay Round. Individual restraint levels are listed in the attached table. Additional data will be available once final agreements with all countries have been formally executed.

In renegotiating voluntary restraint arrangements, the concerns of steel consumers were taken into account. In addition to increases in restraint levels resulting from countries accepting bilateral consensus agreements, the negotiations reallocated restraint levels from non-users to users. For example, Japan's overall restraint level declined, reflecting low shipments in recent years, and that of the EC remained roughly the same. Conversely, restraint levels were increased for Mexico and South Korea which more fully utilized their restraint levels. Furthermore, overall restraint levels were increased for certain products of concern to steel consumers, such as semi-finished steel and specialty steel.

The needs of producers were also taken into account. The VRAs will provide two and one-half years for the U.S. domestic steel industry to continue its modernization program. In addition, overall restraint levels for oil country tubular goods were decreased in recognition of the adverse market conditions for that product.

Appendix D

Definitions of Certain Terms, and Descriptions of the Products
Subject to the Investigation

DEFINITIONS

1. Steel.--An alloy of iron and carbon which is malleable as first cast and which contains by weight 2 percent or less of carbon. Steel may contain other elements, but iron must predominate, by weight, over each of the other elements.

2. Carbon steel.--Steel, other than chromium, which contains by weight 2 percent or less of carbon, and in which none of the elements listed below meets or exceeds the quantity, by weight, respectively indicated:

1.65 percent of manganese, or
 0.25 percent of phosphorus, or
 0.35 percent of sulphur, or
 0.60 percent of silicon, or
 0.40 percent of copper, or
 0.30 percent of aluminum, or
 0.30 percent of chromium, or
 0.30 percent of cobalt, or
 0.40 percent of lead, or
 0.30 percent of nickel, or
 0.30 percent of tungsten, or
 0.10 percent of any other metallic element.

3. Alloy steel.--Steel which contains any of the elements listed in definition 2 (above) in excess of its specified quantity.

(i) Stainless steel.--Any alloy steel which contains by weight 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

(ii) Tool steel.--Alloy steel which contains the combinations of elements in the quantity, by weight, respectively indicated in Chapter XXII, subchapter III, section (viii) of the Harmonized Tariff Schedule of the United States (HTS). (See appendix B).

4. Galvanized.--Steel which has been coated or plated with zinc.

5. Hot-rolled.--Steel which has been reduced to its final thickness by heating and rolling the product at elevated temperature (usually above 2,200° F).

6. Cold-rolled.--Steel which has been reduced to its final thickness by rolling the product without heating it immediately prior to the rolling operation.

7. Continuous casting.--The method of producing semifinished products in which molten steel flows evenly into a caster where it is rapidly cooled, causing it to solidify directly into semifinished products such as slabs and billets.

8. Short ton.--Two thousand (2,000) pounds.

Unlike the TSUSA system of classification, the HTS do not differentiate by dimension those steel products formerly referred to as blooms and billets, slabs and sheet bars, plate, sheet, and strip. Instead, these products are included in two larger categories: flat rolled and semifinished (described below). However, for purposes of comparability with previous Monthly Reports, and in the interest of providing useful information and coverage of the steel industry, this report will continue to designate such product categories (e.g. blooms and billets, slab and sheet bars, plate, hot-rolled and cold rolled sheet, and strip). A partial basis for classification are those definitions found in Federal Register Notice 52897, December 29, 1988 (Appendix C).

9. Semifinished products include:

Continuous cast products of solid section, not presented in coils, whether or not subjected to primary hot-rolling.

Other products of solid section which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging, including blanks, angles, shapes, or sections.

For the purposes of this legislation semi-finished products are classified as follows:

(i) Ingots.--Castings resulting from the solidification of molten steel and having a columnar form suitable for working by rolling or forging. Ingots are included in AISI (American Iron and Steel Institute) product group No. 1A.

(A) Carbon and certain alloy ingots; provided for in items 7206.10.0000, 7206.90.0000, 7224.10.0090 of the Harmonized Tariff Schedules of the United States (HTS).

(ii) Blooms billets, slabs, and sheet bars.--Other continuous cast products solid cross section, which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging including blanks for angles, shapes or sections. These products are not presented in coils and are included in AISI product group No. 1B.

(B) Carbon and certain alloy blooms and billets; provided for in items 7207.11.0000, 7207.12.0010, 7207.19.0030, 7207.19.0090, 7207.20.0025, 7207.20.75, 7207.20.0090, 7224.90.0040, 7224.90.0060 of the HTS.

(C) Carbon and certain alloy slabs and sheet bars; provided for in items 7207.12.0050, 7207.20.0045, 7224.90.0050 of the HTS.

(D) Stainless steel ingots; provided for in item 7218.10.0000 of the HTS.

(E) Stainless steel blooms and billets; provided for in items 7218.90.0010, 7218.90.0020, 7218.90.0030, 7218.90.0045, 7218.90.0055, 7218.90.0065, 7218.90.0070, 7218.90.0080, 7218.90.0090 of the HTS.

(F) Stainless steel slabs and sheet bars; provided for in item 7218.90.0035 of the HTS.

10. Flat-rolled products.--Rolled products of solid rectangular (other than square) cross section, whether perforated, corrugated, polished, or with a pattern derived from rolling, which do not conform to the definition of semifinished products above in the form of:

- coils of successively superimposed layers, or
- straight lengths, which if of a thickness less than 4.75 mm are of a width measuring at least 10 times the thickness or if of a thickness of 4.75 mm or more are of a width which exceeds 150 mm and measures at least twice the thickness. Also those products of a shape other than rectangular or square of a width of 600 mm or more, not elsewhere specified.

(i) Plates.--Flat rolled products with a thickness equal to or exceeding 4.75 mm. Plates are included in AISI product group No. 6

(A) Carbon plate; provided for in items 7208.11.0000, 7208.12.0000, 7208.21.1000, 7208.21.5000, 7208.22.1000, 7208.22.5000, 7208.31.0000, 7208.32.0000, 7208.33.1000, 7208.33.5000, 7208.41.0000, 7208.42.0000, 7208.43.0000, 7210.90.1000, 7211.11.0000, 7211.12.0000, 7211.21.0000, 7211.22.0045, 7211.22.0090 of the HTS.

(B) Alloy plate; provided for in items 7225.30.3000, 7225.40.1015, 7225.40.3000, 7225.50.6000, 7226.91.5000 of the HTS.

(C) Stainless steel plate; provided for in items 7219.11.0000, 7219.12.0000, 7219.12.0030, 7219.12.0060, 7219.12.0080, 7219.21.0000, 7219.22.0000, 7219.31.0010, 7220.11.0000 of the HTS.

(ii) Sheets and strip.--Flat rolled products less than 4.75 mm in thickness. Sheet has a width equal to or exceeding 600 mm; strip width is less than 600 mm (but at least 10 times the thickness). Sheets and strip are included in AISI product group Nos. 28, 29, 29A, 30, 31, 32, 33A, 33B, 34, 325, 36, and 37. For the purposes of this investigation, sheets and strip are classified as follows:

(A) Hot-rolled carbon and alloy sheet; provided for in items 7208.13.1000, 7208.13.5000, 7208.14.1000, 7208.14.5000, 7208.23.1000, 7208.23.5030, 7208.23.5090, 7208.24.1000, 7208.24.5030, 7208.24.5090, 7208.34.1000, 7208.34.5000, 7208.35.1000, 7208.35.5000, 7208.44.0000, 7208.45.0000, 7225.30.5030, 7225.40.5030, 7225.30.7000, 7225.40.7000, 7225.91.1030 of the HTS.

(B) Hot-rolled carbon and alloy strip; provided for in items 7211.19.1000, 7211.19.5000, 7211.29.1000, 7211.29.3000, 7211.29.5000, 7211.29.7030, 7211.29.7060, 7211.29.7090, 7226.91.3030, 7226.91.7000, 7226.91.8000 of the HTS.

(C) Cold-rolled carbon and alloy sheet and strip:

(a) Black plate; provided for in item 7209.24.1000 of the HTS.

(b) Electrical sheet and strip; provided for in items 7225.10.0000, 7226.10.1000, 7226.10.5030, 7226.10.5060 of the HTS.

(c) Other sheet; provided for in items 7209.11.0000, 7209.12.0030, 7209.12.0090, 7209.13.0030, 7209.13.0090, 7209.14.0030, 7209.14.0090, 7209.21.0000, 7209.22.0000, 7209.23.0000, 7209.24.5000, 7209.31.0000, 7209.32.0000, 7209.33.0000, 7209.34.0000, 7209.41.0000, 7209.42.0000, 7209.43.0000, 7209.44.0000, 7210.70.3000, 7225.50.1030, 7225.50.7000, 7225.50.8000 of the HTS.

(d) Other strip; provided for in items 7211.30.1030, 7211.30.1090, 7211.30.3000, 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, 7212.40.1000, 7212.40.5000, 7226.92.1030, 7226.92.3030, 7226.92.5000, 7226.92.7000, 7226.92.8000, 7226.99.0000 of the HTS.

(D) Galvanized sheet and strip; provided for in items 7210.31.0000, 7210.39.0000, 7210.41.0000, 7210.49.0030, 7210.49.0090, 7210.70.6030, 7210.70.6060, 7212.21.0000, 7212.29.0000, 7212.30.1030, 7212.30.1090, 7212.30.3000, 7212.30.5000 of the HTS.

(E) Tin plate; provided for in items 7210.11.0000, 7210.12.0000, 7212.10.0000 of the HTS.

(F) Tin free; provided for in item 7210.50.0000 of the HTS.

(G) Other metallic coated; provided for in items 7210.20.0000, 7210.60.0000, 7210.70.6090, 7210.90.6000, 7210.90.90000, 7212.50.0000, 7212.60.0000 of the HTS.

(H) Stainless steel hot-rolled sheet; provided for in items 7219.13.0030, 7219.13.0060, 7219.14.0030, 7219.14.0060, 7219.23.0030, 7219.23.0060, 7219.24.0030, 7219.24.0060 of the HTS.

(I) Stainless steel cold-rolled sheet; provided for in items 7219.32.0015, 7219.32.0030, 7219.32.0045, 7219.32.0060, 7219.33.0015, 7219.33.0030, 7219.33.0045, 7219.33.0060, 7219.34.0010, 7219.34.0050, 7219.35.0010, 7219.35.0050 of the HTS.

(J) Stainless steel strip; provided for in items 7220.12.1000, 7220.12.5000, 7220.20.1000, 7220.20.6000, 7220.20.7000, 7220.20.8000, 7220.20.9000, 7220.90.0000 of the HTS.

11. Bars.-- Hot-rolled products whether or not in irregularly wound coils, which have a solid cross section along their length in the shape of circles, segments of circles, ovals, rectangles (including squares), triangles, or other convex polygons. Such products may

- have indentations, ribs, grooves or other deformations produced during the rolling process (reinforcing bars and rods);
- be twisted after rolling

For purposes of this investigation the term "bars" also includes hollow drill steel, which is a hollow product suitable for making mining drills or mining drill rods, of which the greatest external dimension of the cross-section exceeds 15 mm but does not exceed 52 mm, and of which the greatest internal dimension does not exceed one-half of the greatest external dimension. Bars and hollow drill steel are found in AISI product groups nos. 14, 14A, 15, and 16.

For the purposes of this investigation, bars and light structural shapes are classified as follows:

(i) Hot-rolled carbon bars; provided for in items 7213.390060, 7213.49.0060, 7213.50.0060, 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 of the HTS, and included in AISI product group No. 14.

(ii) Hot-rolled alloy bars; provided for in items 7227.20.0000, 7227.90.6000, 7228.20.1000, 7228.30.8000, 7228.40.0000, 7228.60.6000, 7228.80.0000 of the HTS, and included in AISI product group No. 14.

(iii) Cold-formed carbon bars; provided for in items 7215.10.0000, 7215.20.0000, 7215.30.0000, 7215.40.0000 7215.90.3000, 7215.90.5000 of the HTS, and included in AISI product group No. 16.

(iv) Cold-formed alloy bars; provided for in items 7228.20.5000, 7228.50.5000, 7228.60.8000 of the HTS, and included in AISI product group No. 16.

(v) Reinforcing carbon and certain alloy steel bars; which are hot-rolled steel bars, of solid cross section, having deformations of various patterns on their surfaces; provided for in items 7213.10.0000, 7214.20.0000 of the HTS, and included in AISI product group No. 15.

(vi) Light structural shapes; which are bar-size light shapes having a cross-sectional dimension of less than 7.62 cm provided for in items 7216.10.0010, 7216.10.0050, 7216.21.0000, 7216.22.0000, 7228.70.3060, 7228.70.3080 of the HTS, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 7221.00.0060, 7221.00.0080, 7222.10.0000, 7222.20.0030, 7222.20.0060, 7222.30.0000, 7222.40.3060, 7222.40.3080 of the HTS.

12. Wire rod and related products include:

(i) Wire rods.--Coiled, semifinished, hot-rolled products of solid cross section, approximately round in cross section, not under 14mm nor over 19mm in diameter. Wire rods are included in AISI product group No. 3.

For the purposes of this investigation, wire rod is classified as follows:

(A) Carbon steel wire rod; provided for in items 7213.31.3000, 7213.31.6000, 7213.39.0030, 7213.39.0090, 7213.41.3000, 7213.41.6000, 7213.49.0030, 7213.49.0090, 7213.50.0020, 7213.50.0040, 7213.50.0080 of the HTS.

(B) Alloy steel wire rod; provided for in items 7227.90.1030, 7227.90.2030, 7228.30.2000, 7228.50.1010, 7228.60.1030 of the HTS.

(C) Stainless steel wire rod; provided for in items 7221.00.0020, 7221.00.0040 of the HTS.

(ii) Steel wire.--Cold-formed products in coils, of any uniform solid cross section along their whole length, which do not conform to the definition of flat-rolled products. Steel wire is included in AISI product group No. 23.

For the purpose of this legislation, steel wire is classified as follows:

(A) Carbon steel wire; provided for in items 7217.11.1000, 7217.11.2000, 7217.11.3000, 7217.11.5020, 7217.11.5040, 7217.11.5060, 7217.11.5080, 7217.11.7030, 7217.11.7090, 7217.11.9000, 7217.12.1000, 7217.12.3030, 7217.12.3060, 7217.12.5000, 7217.12.7000, 7217.13.1000, 7217.13.3030, 7217.13.3060, 7217.13.5000, 7217.13.7000, 7217.19.5000, 7217.21.1000, 7217.21.3015, 7217.21.3030, 7217.21.3045, 7217.21.3060, 7217.21.3075, 7217.21.3090, 7217.21.5000, 7217.22.1015, 7217.22.1030, 7217.22.1050, 7217.22.5000, 7217.23.1015, 7217.23.1030, 7217.23.1050, 7217.23.5000, 7217.29.5000, 7217.31.1000, 7217.31.3015, 7217.31.3030, 7217.31.3045, 7217.31.3060, 7217.31.3075, 7217.31.3090, 7217.31.5000, 7217.32.1015, 7217.32.1030, 7217.32.1050, 7217.32.5000, 7217.33.1015, 7217.33.1030, 7217.33.1050, 7217.33.5000, 7217.39.5000 of the HTS.

(B) Alloy steel wire; provided for in items 7229.20.0000, 7229.90.1000, 7229.90.5015, 7229.90.5030, 7229.90.5050, 7229.90.9000 of the HTS.

(C) Stainless steel wire; provided for in items 7223.00.1015, 7223.00.1030, 7223.00.1045, 7223.00.1060, 7223.00.1075, 7223.00.5000, 7223.00.9000 of the HTS.

(iii) Carbon and certain alloy steel wire products as defined by the following:

(A) Nails and brads, spikes, staples, and tacks are fasteners, of one piece construction, made of round wire, and not including thumb tacks, staples in strip form, corrugated fasteners, glaziers' points, hook nails, ring nails, or fasteners suitable for use in power-actuated hand tools; as provided for in items 7317.00.1000, 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, 7317.00.7500, 8305.20.0000 of the HTS. Nails and staples, are included in AISI product group No. 51 (pt.).

(B) Barbed wire is a wire, or strand of twisted wires, armed with barbs or sharp points; as provided for in item 7313.00.0000 of the HTS. Barbed wire is included in AISI product group No. 52.

(C) Wire expanded metal, grill and fencing include whether or not galvanized wholly of round wire with a maximum cross-sectional diameter of 3 mm or more, having a mesh size of 100 cm³ or more, whether or not such wire is covered with plastics; as provided for in items 7314.20.0000, 7314.30.1000, 7314.30.5000, 7314.41.0000, 7314.42.0000, 7314.49.3000, 7314.49.6000, 7314.50.0000 of the HTS. The products are included in AISI product group No. 50.

(D) Baling wire and ties, with or without buckles or fastenings and whether or not coated with paint or other substance; as provided for in item 7326.20.0010 of the HTS and included in AISI product group No. 53.

(E) Wire strand is two or more wires which together constitute one of the parts which are twisted together to form rope, cord, or cordage, suitable for fencing purposes, not fitted with fittings, not made up into articles, not of brass plated wire, not covered with nonmetallic material, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3015, 7312.10.3020, 7312.10.3065, 7312.10.3075, 7312.10.3080, 7312.10.3090 of the HTS. Wire strand is included in AISI product group No. 41.

(F) Wire ropes, cables, and cordage are products made by the twisting of a number of wire strands and are not covered with nonmetallic material, not fitted with fittings, not made up into articles, and, if valued 13 cents or more per pound, not of brass plated wire; as provided for in items 7312.10.6000, 7312.10.9030, 7312.10.9060, 7312.10.9090 of the HTS. Wire ropes, cables, and cordage are included in AISI product group No. 47.

13. Structurals.--Nontubular products not conforming completely to the respective specifications set forth in the HTS for semi-finished, flat-rolled, bars and rod or wire.

(i) Heavy structural shapes having a maximum cross-sectional dimension of 7.62 cm or more, and sheet piling; as provided for in items 7216.31.0000, 7216.32.0000, 7216.33.0030, 7216.33.0060, 7216.33.0090, 7216.40.0010, 7216.40.0050, 7216.50.0000, 7222.40.3020, 7222.40.3040, 7228.70.3020, 7228.70.3040, 7301.10.0000 of the HTS and are included in AISI product group 4.

(ii) Fabricated structural units, which include columns, pillars, posts, beams, girders, and similar structural units; as provided for in items 7216.60.0000, 7216.90.0000, 7222.40.6000, 7228.70.6000, 7301.20.1000, 7301.20.5000, 7308.10.0000, 7308.20.0000, 7308.40.0000, 7308.90.3000, 7308.90.6000, 7308.90.9030, 7308.90.9090, 8430.49.4000 of the HTS. These products, are included in AISI product group No. 38 and 39.

14. Rails and related railway products as defined by the following:

(i) Rails are hot-rolled steel products, whether punched or not punched, weighing not less than 8 pounds per yard, with cross-sectional shapes intended for carrying wheel loads in railroad, railway, and crane runway applications; as provided for in items 7302.10.10, 7302.10.1015, 7302.10.1020, 7302.10.1025, 7302.10.1035, 7302.10.1040, 7302.10.1045, 7302.10.0055, 7302.10.1060, 7302.10.1065, 7302.10.1075, 7302.10.1080, 7302.10.5000, 7302.10.5020, 7302.10.5040, 7302.10.5060 of the HTS. Rails are included in AISI product group Nos. 7, 8 and 41.

(ii) Joint bars are hot-rolled steel products, usually punched or slotted, designed to connect the ends of adjacent rails in track; tie plates are hot-rolled steel products which are punched to provide holes for spikes and have one or two shoulder sections as rail guides and are used to support rails in track, to maintain track gauge, and protect the ties; all the foregoing, as provided for in items 7302.20.0000, 7302.30.0000, 7302.40.0000, 7302.90.0000 of the HTS. Joint bars and tie plates are included in AISI product group Nos. 9 and 42.

(iii) Railway track spikes, of one piece construction, used to secure tie plates or ties; as provided for in item 7317.00.6530, 7317.00.6560 of the HTS. Railway track spikes are included in AISI product group No. 51 (pt.).

(iv) Railroad and railway (RR) axles and wheels, parts thereof, and axle bars; as provided for in items 8607.19.1000, 8607.19.2000 of the HTS. These articles are included in AISI product group No. 43.

15. Pipes and tubes and blanks therefor.--Tubular products, including hollow bars and hollow billets but not including hollow drill steel, of any cross-sectional configuration, by whatever process made, whether seamless, brazed, or welded and whether with an open or lock seam or joint. For the purposes of this investigation, pipes and tubes and blanks therefor are classified as follows:

(i) Oil country tubular goods, provided for in items 7304.20.1000, 7304.20.2000, 7304.20.3000, 7304.20.4000, 7304.20.5010, 7304.20.5050, 7304.20.6010, 7304.20.6050, 7304.20.7000, 7304.20.8000, 7305.20.2000, 7305.20.4000, 7305.20.6000, 7305.20.8000, 7306.20.1030, 7306.20.1090, 7306.20.2000, 7306.20.3000, 7306.20.4000, 7306.20.6010, 7306.20.6050, 7306.20.8010, 7306.20.8050 of the HTS. Oil country tubular goods are included in AISI product group No. 19.

(ii) Line pipe; provided for in items 7304.10.1020, 7304.10.1050, 7304.10.1080, 7304.10.5020, 7304.10.5050, 7304.10.5080, 7305.11.1030, 7305.11.1060, 7305.11.5000, 7305.12.1030, 7305.12.1060, 7305.12.5000, 7305.19.1030, 7305.19.1060, 7305.19.5000, 7306.10.1010, 7306.10.1050, 7306.10.5010, 7306.10.5050 of the HTS. Line pipe is included in AISI product group No. 20.

(iii) Mechanical pipe; provided for in items 7304.31.3000, 7304.31.6050, 7304.39.0050, 7304.39.0075, 7304.51.0000, 7304.51.5090, 7304.59.1000, 7304.59.6000, 7304.59.8000, 7304.90.5000, 7304.90.7000, 7306.30.1000, 7306.30.5015, 7306.30.5020, 7306.30.5035, 7306.3.5060, 7306.30.5075, 7306.50.1000, 7306.50.5030, 7306.50.5050, 7306.50.5070, 7306.60.5000, 7306.60.7000 of the HTS. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 7304.90.1000, 7304.90.3000, 7305.31.2000, 7305.31.4000, 7305.31.6000, 7306.30.3000, 7306.50.3000, 7306.60.1000, 7306.60.3000 of the HTS. Structural pipe is included in AISI product category 22A.

(v) Pressure tubing; provided for in items 7304.31.6010, 7304.39.0005, 7304.51.5030, 7304.51.5050, 7304.59.2030, 7304.59.2050, 7306.30.5010, 7306.50.5010 of the HTS. Pressure tubing is included in AISI product category 21B.

(vi) Stainless steel pipes and tubes; provided for in items 7304.41.0010, 7304.41.0050, 7304.49.0010, 7304.49.0030, 7304.49.0050, 7306.40.1000, 7306.40.5010, 7306.40.5030, 7306.40.5050, 7306.40.5070 of the HTS. Stainless steel pipes and tubes are included in AISI product categories 21C and D.

(vii) Other, including standard; provided for in items 7304.39.0010, 7304.39.0015, 7304.39.0025, 7304.39.0030, 7304.39.0040, 7304.39.0060, 7304.39.0070, 7304.39.0090, 7305.39.1000, 7305.39.5000, 7305.90.1000, 7305.90.5000, 7306.30.5025, 7306.30.5028, 7306.30.5030, 7306.30.5032, 7306.30.5040, 7306.30.5050, 7306.30.5055, 7306.30.5065, 7306.30.5070, 7306.30.5080, 7306.30.5085, 7306.30.5090, 7306.90.1000, 7306.90.5000 of the HTS. Other, including standard pipe is included in AISI product categories 18, 21E and 22B.

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.1060, 7226.91.3060, 7226.92.1060, 7226.92.3060, 7227.10.0000, 7227.90.1060, 7227.90.2060, 7228.10.0010, 7228.10.0030, 7228.10.0060, 7228.30.4000, 7228.30.6000, 7228.50.1020, 7228.50.1040, 7228.50.1060, 7228.50.1080, 7228.60.1060, 7229.10.0000 of the HTS.

Alloy tool steel is included in AISI product group No. 17. With the introduction of the Harmonized Tariff Schedule in 1989, it became industry practice to consider bearing steel (defined as tool steel of the type described in headnote 1(h) of Chapter 72 of the HTS) as part of alloy tool steel. To maintain consistency with previous reports, however, bearing steel products have been kept in their original position (under either flat-rolled or bar and rod products).

Appendix E

December VRA Signatories' Ceilings Tables Based on Apparent
Consumption Forecasts of DRI (as available)

A U S T R I A

February 1990 Forecast of Initial Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
Reflects Initial Period of Fifteen Months
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)	Arrangement I.P.	Unadjusted Initial Period Ceiling**	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Flat Rolled Products	62,548	0.30%	187,643	+++	+++	187,643
Stainless Bar	NA	***	312	+++	+++	312
Stainless Rod	NA	***	312	+++	+++	312
QCTG	1,571	1.40%	21,991	+++	+++	21,991
Other Pipe and Tube	5,839	0.30%	17,518	+++	+++	17,518
Other Steel Products	37,420	0.11%	41,162	+++	+++	41,162
Alloy Tool Steel	97	4.00%	3,860	+++	+++	3,860

* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

** Minimum unadjusted ceiling for Alloy Tool Steel is 3,000 metric tons.

*** Export ceilings are fixed tonnages.

+++ Not yet available

EUROPEAN COMMUNITIES
 February 1990 Forecast of Initial Period U.S. Apparent Consumption of
 Arrangement Products Subject to Export Licensing
 Reflects Initial Period of Fifteen Months*
 (Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Products	107,707	0.76%	818,571	+++	+++	818,571
Slab	NA	***	753,086	+++	NA	753,086
Plate	6,322	7.13%	450,741	+++	+++	450,741
Hot Rolled Sheet	18,428	7.29%	1,343,401	+++	+++	1,343,401
Cold Rolled Sheet	15,183	5.94%	901,885	+++	+++	901,885
Black Plate	455	12.84%	58,454	+++	+++	58,454
Cold Rolled Strip	744	5.34%	39,703	+++	+++	39,703
Electrical Sheet and Strip	560	4.98%	27,876	+++	+++	27,876
Stainless Plate	133	5.89%	7,834	+++	+++	7,834
Stainless Sheet and Strip	1,254	5.94%	74,488	+++	+++	74,488
Tin Plate	3,262	2.96%	96,548	+++	+++	96,548
Tin-Free Steel	1,086	4.22%	45,829	+++	+++	45,829
Other Coated Flat Rolled Products	15,121	4.51%	681,968	+++	+++	681,968
Electroalvanized	NA	***	170,492	+++	NA	170,492
Rebar	5,992	0.09%	5,393	+++	+++	5,393
Hot Finished Bar	7,361	3.09%	227,447	+++	+++	227,447
Cold Finished Bar	1,647	6.63%	109,196	+++	+++	109,196
Stainless Bar	164	7.40%	12,136	+++	+++	12,136
Carbon Wire Rod	5,763	5.70%	328,477	+++	+++	328,477
Stainless Wire Rod	69	13.16%	9,015	+++	+++	9,015
Alloy Wire Rod	206	19.68%	40,492	+++	+++	40,492
Bar Shapes Under 80mm	1,546	2.48%	38,347	+++	+++	38,347
Structurals	7,021	14.15%	993,411	+++	+++	993,411
Sheet Piling	410	23.70%	97,212	+++	+++	97,212
Fabricated Structurals	NA	****	20,683	+++	NA	20,683
Stainless Wire	48	15.34%	7,287	+++	+++	7,287
Wire Strand	NA	****	62,250	+++	NA	62,250
Wire Rope	NA	****	12,250	+++	NA	12,250
Carbon/Alloy Wire	NA	****	228,250	+++	NA	228,250
Wire Products	NA	****	31,875	+++	NA	31,875
Rails	702	9.26%	65,028	+++	+++	65,028
Rail Products	NA	****	4,875	+++	NA	4,875
Total Pipe and Tube	7,410	8.82%	653,562	+++	+++	653,562
OCTG	1,571	9.00%	141,368	+++	+++	141,368
Alloy Tool Steel	97	11.02%	10,634	+++	+++	10,634
Other Specialty Steel	NA	****	15,125	+++	NA	15,125

* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

** For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Subcategory ceiling is a fixed percentage of the larger category.

**** Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

J A P A N

February 1990 Forecast of Initial Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
Reflects Initial Period of Fifteen Months*
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,707	0.088%	94,782	+++	+++	94,782
Plate	6,455	0.990%	63,902	+++	+++	63,902
Sheet and Strip	56,093	5.730%	3,214,115	+++	+++	3,214,115
Cold Rolled Sheet and Strip	16,382	4.590%	751,934	+++	+++	751,934
Coated Sheet and Strip	15,121	11.690%	1,767,674	+++	+++	1,767,674
Electrogalvanized	2,714	16.390%	444,866	+++	+++	444,866
Electrical Sheet and Strip	560	6.670%	37,335	+++	+++	37,335
Tin Plate	3,262	5.790%	188,855	+++	+++	188,855
Tin-Free Steel	1,086	6.620%	71,893	+++	+++	71,893
Bar	15,000	0.600%	89,999	+++	+++	89,999
Cold Finished	1,647	2.000%	32,940	+++	+++	32,940
Stainless Bar	164	10.470%	17,171	+++	+++	17,171
Wire Rod and Wire Products	8,039	6.030%	484,752	+++	+++	484,752
Wire Rod	5,969	5.930%	353,932	+++	+++	353,932
Stainless Rod	69	10.440%	7,151	+++	+++	7,151
Structural Shapes	9,964	7.110%	708,405	+++	+++	708,405
Rail and Rail Products	987	9.560%	94,309	+++	+++	94,309
Fabricated Structural	NA	***	50,453	+++	NA	50,453
Welded H-Beams	NA	***	30,000	+++	NA	30,000
Pipe and Tube	7,410	8.650%	640,965	+++	+++	640,965
OCTG	1,571	9.660%	151,734	+++	+++	151,734
Line Pipe	1,886	15.520%	292,630	+++	+++	292,630
Structural Pipe	564	12.000%	67,620	+++	+++	67,620
Alloy Tool Steel	97	5.890%	5,684	+++	+++	5,684

* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

** For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

MEXICO

February 1990 Forecast of Initial Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
Reflects Initial Period of Fifteen Months*
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**#	Arrangement I.P.	Unadjusted Initial Period Ceilings	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,707	0.24%	258,496	+++	+++	258,496
C/A Flat Rolled	41,692	0.28%	116,736	+++	+++	116,736
C/A HR Sheet and Strip	18,428	0.23%	42,384	+++	+++	42,384
C/A CR Sheet and Strip	16,382	0.19%	31,126	+++	+++	31,126
Plate	6,322	0.70%	44,252	+++	+++	44,252
Stainless Flat Rolled	1,387	0.88%	12,206	+++	+++	12,206
Coated Flat Rolled	19,469	0.67%	130,442	+++	+++	130,442
Bar and Rod	21,201	0.99%	209,887	+++	+++	209,887
Carbon CF Bar	1,357	0.53%	7,193	+++	+++	7,193
Carbon Wire Rod	5,763	2.17%	125,052	+++	+++	125,052
Stainless Bar and Rod	233	0.03%	70	+++	+++	70
Angles, Shapes, Sections/Rail and Rail Products	9,964	0.72%	71,737	+++	+++	71,737
Wire and Wire Products	2,071	3.00%	62,115	+++	+++	62,115
Wire Rope	221	2.54%	5,601	+++	+++	5,601
Wire Strand	NA	***	2,000	+++	NA	2,000
Panels and Mesh	2,023	0.86%	17,398	+++	+++	17,398
Other Wire and Wire Products and Fence	2,023	1.82%	36,819	+++	+++	36,819
Pipe and Tube	7,410	2.55%	188,955	+++	+++	188,955
OCTG	1,571	2.00%	31,415	+++	+++	31,415
Line Pipe	1,886	3.64%	68,632	+++	+++	68,632
Standard Pipe	2,092	4.21%	88,052	+++	+++	88,052
Tool Steel	97	0.31%	299	+++	+++	299

* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

** For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Export ceiling is fixed tonnage.

For the Panels and Mesh and the Other Wire and Wire Products and Fence categories,
Other Wire and Wire Products is used.

+++ Not yet available

NA Not Applicable

V E N E Z U E L A

February 1990 Forecast of Initial Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
Reflects Initial Period of Fifteen Months*
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement [†] I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Carbon/Alloy Flat-Rolled and						
Stainless	43,079	0.223%	96,065	+++	+++	96,065
Coated Flat-Rolled	19,469	0.195%	37,965	+++	+++	37,965
Bar and Rod	21,201	0.358%	75,899	+++	+++	75,899
Carbon Wire Rod	5,763	0.339%	19,536	+++	+++	19,536
Rebar	5,992	0.754%	45,180	+++	+++	45,180
Pipe & Tube	7,410	0.844%	62,540	+++	+++	62,540
OCTG	1,571	0.000%	0	+++	+++	0
Line	1,886	2.246%	42,348	+++	+++	42,348
Standard	2,092	0.540%	11,294	+++	+++	11,294
Other Steel Products	12,131	0.129%	15,648	+++	+++	15,648
Semi-Finished	107,707	0.069%	74,318	+++	+++	74,318

* Initial Period Apparent Consumption is defined as follows:

((.25 * Forecasted 1989 Apparent Consumption) + (Forecasted 1990 Apparent Consumption))

** For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

INITIAL PERIOD EXPORT CEILINGS OF SELECTED COUNTRIES
 QUANTITIES IN METRIC TONS

POLAND

PRODUCT CATEGORY -----	TONS ----
PLATE	37,500
STAINLESS BAR	0
STAINLESS ROD	0
WIRE ROD	12,500
STRUCTURALS	37,500
WIRE AND WIRE PRODUCTS	31,250
OCTG	0
OTHER PIPE & TUBE	12,500
ALL OTHER STEEL PRODUCTS	12,060
ALLOY TOOL STEEL	440
TOTAL	143,750

YUGOSLAVIA

PRODUCT CATEGORY -----	TONS ----
STAINLESS BAR	500
STAINLESS ROD	1,500
WIRE AND WIRE PRODUCTS	14,000
OCTG	0
OTHER PIPE AND TUBE	11,000
OTHER STEEL PRODUCTS	23,000
ALLOY TOOL STEEL	0
TOTAL	50,000

EAST GERMANY

PRODUCT CATEGORY -----	TONS ----
FLAT ROLLED PRODUCTS	67,500
STAINLESS BAR	0
STAINLESS ROD	0
WIRE ROD	25,000
OCTG	0
OTHER PIPE & TUBE	7,500
ALL OTHER STEEL PRODUCTS	12,500
ALLOY TOOL STEEL	0
TOTAL	112,500

HUNGARY

PRODUCT CATEGORY -----	TONS ----
FLAT ROLLED PRODUCTS	41,250
STAINLESS BAR	250
STAINLESS ROD	250
OCTG	0
ALL OTHER STEEL PRODUCTS	8,125
ALLOY TOOL STEEL	125
TOTAL	50,000

