

QUARTERLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

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

USITC PUBLICATION 2518

JUNE 1992

United States International Trade Commission
Washington, DC 20436



UNITED STATES INTERNATIONAL TRADE COMMISSION

COMMISSIONERS

Don E. Newquist, Chairman

Anne E. Brunsdale, Vice Chairman

David B. Rohr

Carol T. Crawford

Janet A. Nuzum

Peter S. Watson

Office of Operations
Charles W. Ervin, Director

Office of Industries
Robert A. Rogowsky, Director

This report was prepared principally by

Sharon Greenfield
Robert Mascola

Minerals and Metals Division

**Address all communications to
Kenneth R. Mason, Secretary to the Commission
United States International Trade Commission
Washington, DC 20436**

Steel Trade:
Trends and Developments under the VRA Program and Beyond

Background

Most steel imports into the United States have been subject to quantitative restrictions under voluntary restraint agreements (VRAs) with major suppliers since 1984. In exchange for the industry's withdrawal or termination of unfair trade cases, countries agreed to limit their exports of most major steel products to the United States. Under the agreements themselves, the U.S. industry faced a disincentive to filing trade cases as exporting countries, after consultations with the United States, were authorized to remove products from the VRA program if unfair trade cases were initiated. In addition to the VRAs, imports of stainless and alloy tool steel were subject to import quotas for 6 months of 1983 (see preface) as a settlement of separate unfair trade actions. These quotas were later incorporated into the VRAs.

As part of the VRA program, major domestic steel firms were required to reinvest substantially all of their net cash flow into modernizing and restructuring efforts, to meet specified conditions on worker retraining, and to undertake other efforts to enhance their competitiveness. The VRAs, which were originally scheduled to terminate on September 30, 1989, were extended for 2½ years to March 31, 1992, with progressively higher annual ceiling levels under the President's Steel Trade Liberalization Program, in order to grant additional time for the restructuring.

Introduction

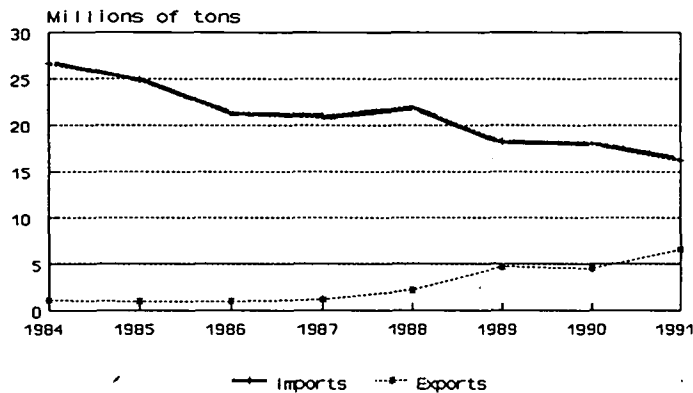
The U.S. steel industry has emerged from the VRA period facing very different market dynamics from those that existed when the program was first implemented. The closing, sale and consolidation of existing plants, the construction of new plants, the billions of dollars spent on modernization efforts, and the growth of price-competitive minimills has reshaped the industry and made it more internationally competitive. As a result of these structural adjustments, along with changes in both the exchange rates and economic conditions, the pattern of U.S. trade in steel changed during the VRA period. Imports declined significantly from their 1984 peak and reached the lowest level in 10 years in 1991, with declines in some of the major product areas such as cold-rolled sheet and galvanized sheet and strip. Import penetration declined even more significantly as domestic shipments rose in the period, peaking during 1988-90, and as exports showed sharp increases from a relatively low base. In the coming non-VRA period, the increased competitiveness of the U.S. steel industry and changing global patterns may result, as described below, in a decline in U.S. imports, a decline in exports from Japan and the EC, and an increase in exports from developing countries and emerging nonmarket economies, such as those of Eastern Europe.

Imports

In 1984, imports reached a peak of 26.7 million tons and accounted for 27 percent of domestic consumption. Under the VRAs, however, imports of steel

products declined (figure 1) by over 39 percent from 1984 levels to 16.2 million tons in 1991, which accounted for 18.3 percent of domestic consumption. During the first quarter of 1992, this trend continued with January-March steel imports totaling just over 4 million tons, a decline of 4 percent from the same quarter of the previous year.

Figure 1
U.S. steel trade, 1984-91;
Imports decline, exports rise.



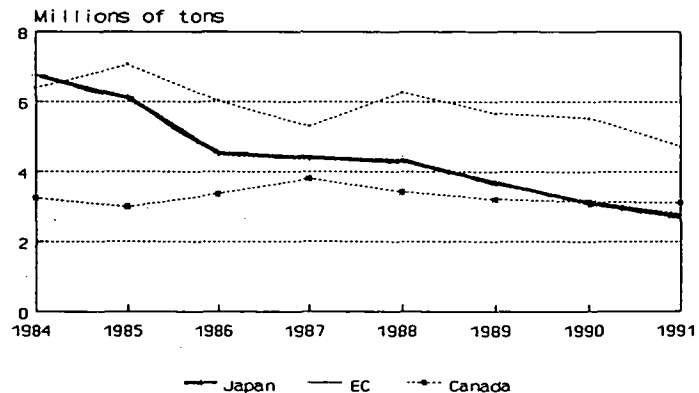
Source: U.S. Department of Commerce

Major carbon and alloy steel product areas showing import declines during 1984-91 included structural shapes, down 75 percent; oil country tubular goods, down 82 percent; cold-rolled sheet, down 54 percent; wire rod, down 48 percent; galvanized sheet and strip, down 45 percent; and bars, down 43 percent. In contrast, even with the VRAs in place, imports of certain product areas showed significant increases during the period, including semifinished steel, up 23 percent, reflecting the rise of nonintegrated firms, including minimills, that use it as a raw material, and

specialty steel products, up 41 percent from a small base.

Major suppliers during the VRA period were Japan, the EC, and Canada (figure 2), with imports from both Japan and the EC showing substantial declines, decreasing by 59 and 26 percent respectively from 1984 levels. Imports from Canada, not subject to a VRA, were relatively constant, declining by only 4 percent during the period. Since 1985, the EC has been the largest supplier of steel products to the United States. In 1990, Canada surpassed Japan to become the second largest supplier. Other major suppliers were Brazil and Korea, which showed import declines of 11 and 34 percent respectively from 1984 levels. During the first quarter of 1992, imports from Japan, Korea, and the EC declined by

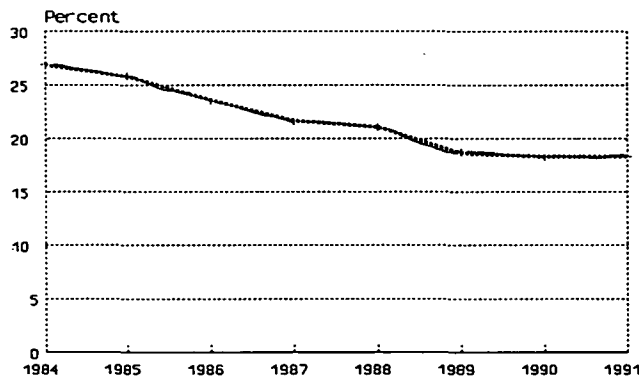
Figure 2
U.S. steel imports from major suppliers;
Japan and EC trade down, Canada steady



Source: U.S. Department of Commerce

32 percent, 18 percent and 4 percent respectively from 1991 first quarter levels, while imports from Canada rose by 42 percent.

Figure 3
Steel imports as percent of U.S. market;
Import share drops to 10-year low.



Source: U.S. Department of Commerce

consumption during the VRA period can be attributed to several factors. The VRAs had product-by-product ceilings for each participating country. Imports of certain products such as specialty steel, where ceiling levels were usually reached, were restrained by these product ceilings. Overall, however, approximately 25 to 30 percent of the aggregate allocated ceiling level went unfilled after 1989. Poor economic conditions in the United States, the weak domestic steel prices due to strong price competition, and the weakness (until recently) of the U.S. dollar relative to major Asian and European currencies were also factors in the decline of imports

in the U.S. market (figure 3). Further reducing the impact of imports has been the growing competitiveness of the U.S. steel industry, as reported by the Commission,¹ in terms of decreases in the average man-hours required to produce a ton of steel, decreases in operating costs per ton, and the growing importance of low-cost producers such as minimills. As a result, during the first 3 months of 1992, import penetration for steel products as a whole declined even further to 17.7 percent, a 10-year low. Products that have traditionally been produced by minimills, such as bars and structural shapes, had import penetration levels for the quarter that were lower, 7 and 11 percent, respectively.

Exports

Some of the same factors that caused a decline in imports, such as increased U.S. competitiveness, the change in exchange rates, and weak U.S. market conditions, also caused U.S. steel exports to be more attractive overseas. As a result, exports grew from 1.1 million tons in 1984 to 6.6 million tons in 1991 (figure 1). Exports became a major consideration in some U.S. producers' production planning as the volume of exports in 1991 totalled over 40 percent of the volume of imports that entered that year and over 8 percent of U.S. shipments. Major markets for U.S. exports included Canada

¹ USITC, Steel Industry Annual Report on Competitive Conditions in the Steel Industry and Industry Efforts to Adjust and Modernize, USITC publication 2436, Sept. 1991.

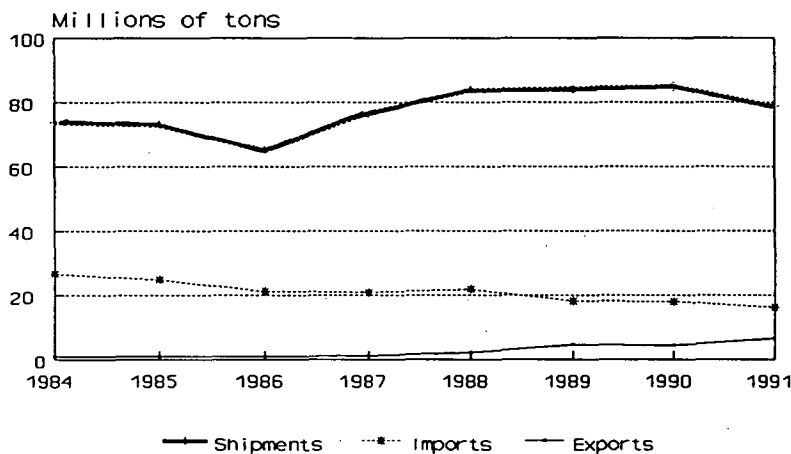
and Mexico, which together accounted for 46 percent of total exports, followed by Korea and Japan, which together accounted for an additional 24 percent of exports. Overall, major export products were carbon and alloy sheet and strip steel, primarily the lower valued hot-rolled band, along with semifinished steel, structural shapes, and bars.

During the first quarter of 1992, however, the value of the U.S. dollar increased by 5 percent relative to values of other major currencies. Partially as a result of this and of the weakening demand and prices in other markets, exports declined by 13 percent during the first quarter compared with those of the previous year, to 1.2 million tons.

Domestic Shipments

Although the volume of imports and the import penetration in the U.S.

Figure 4
U.S. steel shipments and trade;
Shipments rise as imports decline.



Source: U.S. Department of Commerce, AISI

market have declined since 1984, the overall level of U.S. domestic shipments has increased, rising by almost 7 percent over the period, with peak shipment levels occurring during 1988 through 1990 (figure 5). Despite a decline during 1991, which contributed to substantial financial losses during the year, shipments began to increase again during 1992 as consumer demand began to show

signs of recovery. For the first quarter of 1992, shipments rose by 9 percent over the level for the same period of 1991, totalling 20.4 million tons.

Outlook

As part of the President's Steel Trade Liberalization Program and the Bilateral Consensus Agreements that were negotiated under that umbrella, countries agreed to work towards a Multilateral Steel Agreement (MSA) that would address the underlying causes of unfair trade in steel by eliminating tariffs, nontariff measures such as quotas, and most subsidies in the steel sector. The United States and 34 other countries negotiated, but have not

completed, an MSA under the general auspices of the General Agreement on Tariffs and Trade.

The MSA negotiations were suspended on March 31, 1992, the same day that the VRA program expired. Shortly thereafter, the governments of two large exporting countries, Japan and Korea, announced programs of unilateral export restraints on shipments to the United States that would stay in place until a successful MSA was reached. In addition, the industry of Brazil announced a similar restraint program and other countries and industries are believed to be monitoring their exports. Nevertheless, individual product areas where VRA restraint ceilings were reached, such as specialty steel products, might show import increases. Overall, however, the unilateral restraints and exporters' concern over increased filings of unfair trade cases, since the disincentive under the VRA program no longer exists, are expected to result in a continuation of a lower level of U.S. steel imports than might otherwise be expected. Several countries and industries have indicated, however, that their restraints might be lifted for specific products if unfair trade cases are filed against them.

U.S. exports in the coming year are not expected to reach the levels of the past 2 years due to the exchange rate changes already noted, the economic recovery in U.S. steel-consuming industries, and the decline in demand in overseas markets.

On a more global basis, the privatization of steel mills in South America and in other developing countries are opening investment opportunities for foreign equity. Less capital investment per ton is now required to produce steel, further facilitating foreign investment. In addition, several Eastern European countries, while also undergoing privatization and restructuring of their steel industries, are emerging as more market-oriented economies and are beginning to export steel at competitive prices. Japan has alliances with China aimed at improving China's technical capabilities. These factors along with the increased competitiveness of U.S. steel products, are likely to influence future trade patterns.

According to some analysts' projections,² the above observations suggest that steel exports from Japan and the EC will fall rapidly on a global basis as the developing countries rise in export importance. Further, both import and export trade with Eastern Europe and the new countries of the former Soviet Union are predicted to increase substantially in the next 10 years along with increased exports from China. As a result, according to the analysts, total U.S. steel imports are expected to decline sharply, particularly imports from historical suppliers such as Japan and the EC. In contrast, imports from developing countries, Eastern Europe, and China may be expected to increase.

Peg MacKnight
205-3431

² PaineWebber, World Steel Dynamics, Steel Strategist #18, Mar. 1992, p. 9.

Quarterly Review:
Selected Industry and Trade Topics

Subject Index

	<u>USITC</u> <u>Publication</u>	<u>Date</u>
Imports by customs areas-----	2146	1/89
Wire rope and strand-----	2153	2/89
Annual summary of trade with VRA and non-VRA countries; product trade assessment-----	2162	3/89
Imports of pipe and tube products-----	2175	4/89
Specialty steel imports-----	2184	5/89
Imports of semifinished steel-----	2195	6/89
Wire rod-----	2202	7/89
Steel prices-----	2134	8/89
Special quality steel bars-----	2215	9/89
Specialty steel-----	2227	10/89
Galvanized sheet and strip-----	2230	11/89
Structural steel shapes and units-----	2241	12/89
VRAs: 1989 to 1992-----	2248	1/90
Developments in the Korean steel industry-----	2258	2/90
Developments in the East European steel industry---	2262	3/90
Developments in the African steel industry-----	2270	4/90
Developments in the Soviet steel industry-----	2283	5/90
Developments in the French steel industry-----	2290	6/90
Developments in the Japanese steel industry-----	2298	7/90
Labor Unions in the East European steel industry---	2301	8/90
Steel product quality-----	2310	9/90
Developments in the Canadian steel industry-----	2322	10/90
Developments in the Mexican steel industry-----	2332	11/90
Developments in the Turkish steel industry-----	2336	12/90
Developments in the Brazilian steel industry-----	2364	3/91
Adjustment in the Western German steel industry---	2386	6/91
Multilateral steel agreement-----	2424	9/91
Developments in the Southeast Asian steel industry-----	2424	9/91
The effect of restructuring on steel industry product concentration-----	2465	12/91
The global ferrous scrap market-----	2486	3/92
Steel trade-----	2518	6/92

U.S. STEEL INDUSTRY HIGHLIGHTS

Figure I
U.S. average monthly and monthly steel shipments

1,000 short tons

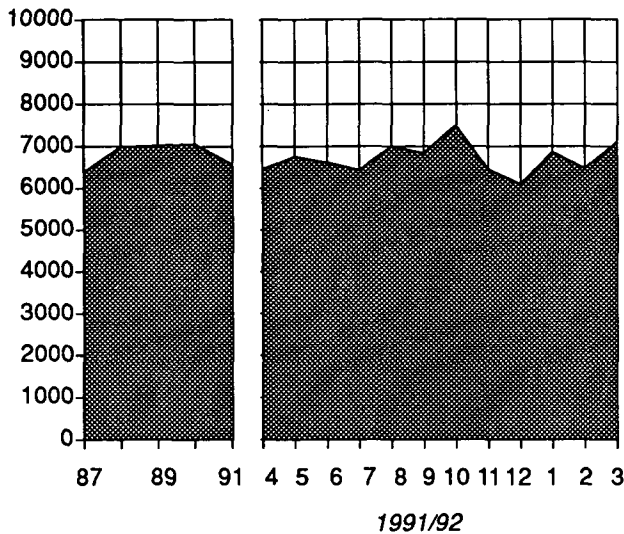


Figure II
U.S. average monthly and monthly steel imports

1,000 short tons

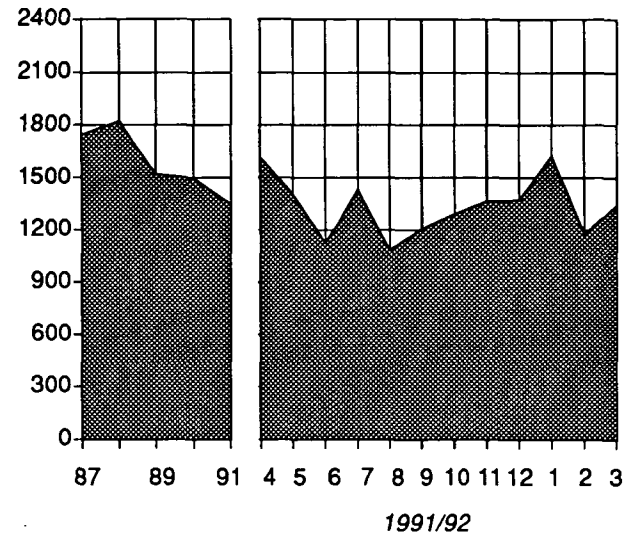


Figure III
U.S. average monthly and monthly steel exports

1,000 short tons

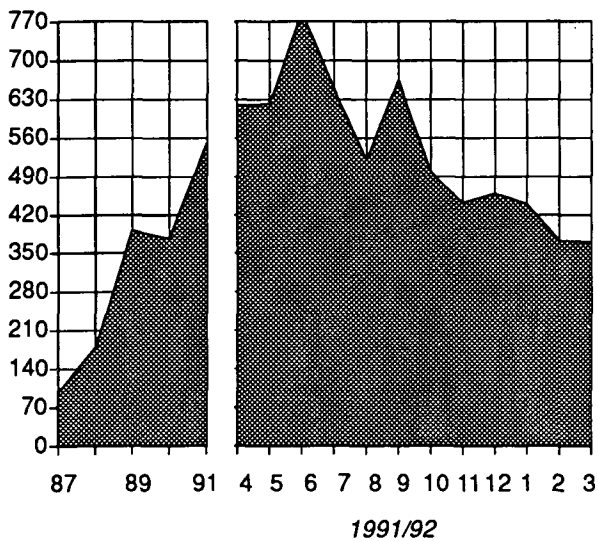
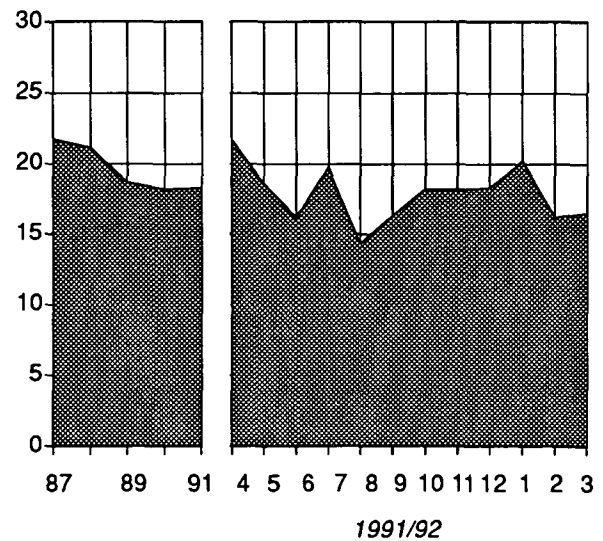


Figure IV
U.S. average monthly and monthly steel import penetration

Percent



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

INTERNATIONAL PRODUCTION AND CONSUMPTION

Figure v

Raw steel: Geographic distribution of world production, 1990

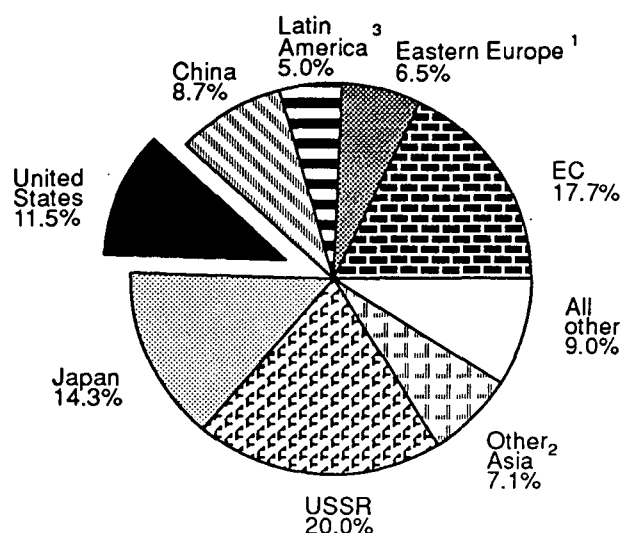
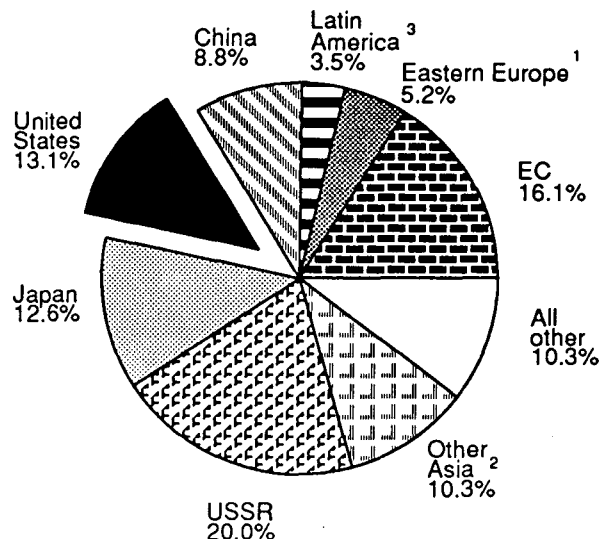


Figure vi

Raw steel: Geographic distribution of world apparent consumption, 1990



¹ Includes Bulgaria, Czechoslovakia, former German Democratic Republic, Hungary, Poland, and Romania.

² All Asian countries excluding Japan, China, North Korea, and the Middle East region.

³ Includes Mexico, Central America, South America and the Caribbean (including Cuba).

Source: International Iron and Steel Institute.

Table I

Raw Steel: Production of top 20 steelmakers, 1981, 1991

Company	Country	1981	1991	Volume change 1981-91	Percent change 1981-91
(Million metric tons)					
Nippon Steel	Japan	29.6	28.6	-1.0	-3.4
Usinor Sacilor	France	¹ 19.8	22.8	3.0	15.3
Posco	S. Korea	8.7	19.1	10.4	119.7
British Steel	U.K.	13.2	12.9	-0.3	-2.3
NKK	Japan	12.6	12.5	-0.2	-1.4
ILVA	Italy	² 13.9	11.0	-2.9	-20.9
Kawasaki	Japan	11.4	10.9	-0.5	-4.3
Thyssen	Germany	11.8	10.9	-0.9	-7.7
Sumitomo	Japan	11.2	10.9	-0.3	-2.7
USS	U.S.	21.2	9.6	-11.7	-55.0
SAIL	India	5.5	9.4	3.9	70.5
Bethlehem	U.S.	15.2	9.1	-6.1	-40.1
Arbed	Luxembourg	11.0	7.6	-3.4	-30.8
Isacor	South Africa	6.9	7.6	0.7	10.3
LTV Steel	U.S.	³ 9.9	6.9	-2.9	-29.5
Kobe Steel	Japan	6.7	6.5	-0.2	-3.0
China Steel	Taiwan	⁴ 1.5	5.9	4.4	290.7
BHP	Australia	7.5	5.7	-1.8	-24.1
Hoogovens	Netherlands	5.2	4.9	-0.3	-5.0
National Steel	U.S.	7.4	4.8	-2.7	-36.0

¹ Represents combined production of Usinor and Sacilor, which merged to form Usinor-Sacilor in 1987.

² Represents production of FINSIDER, many of whose facilities were taken over by ILVA in early 1989.

³ Represents combined production at Jones & Laughlin Steel and Republic Steel, which merged to form LTV Steel in 1984.

⁴ Estimated.

Source: Metal Bulletin.

INTERNATIONAL PRODUCTION

Table II

Raw steel: Average annual production, by specified country/region, by specified 5-year periods, 1957-91

Period	United States	EC-12	Japan	Principal steel-producing developing countries ¹	World total
<i>Million metric tons</i>					
1957-61	88.67	89.71	18.35	17.33	313.80
1962-66	108.90	108.55	37.56	22.33	420.98
1967-71	118.28	135.06	78.62	33.55	555.12
1972-76	122.36	152.82	108.61	48.71	669.32
1977-81	114.47	143.99	105.87	75.36	712.24
1982-86	76.49	128.82	101.18	102.24	690.10
1987-91	85.74	135.64	106.41	146.89	760.53
<i>Percent of world</i>					
1957-61	28.26	28.59	5.85	5.52	100.00
1962-66	25.87	25.78	8.92	5.30	100.00
1967-71	21.31	24.33	14.16	6.04	100.00
1972-76	18.28	22.83	16.23	7.28	100.00
1977-81	16.07	20.22	14.86	10.58	100.00
1982-86	11.08	18.67	14.66	14.82	100.00
1987-91	11.27	17.83	13.99	19.31	100.00

¹ Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

Source: U.K. Iron and Steel Statistics Bureau and International Iron and Steel Institute.

Table III

Raw steel: Production, by specified country/region, 1986-91

Country/region	1986	1987	1988	1989	1990	1991	Percent Change 1986-1991
<i>Thousand metric tons</i>							
Taiwan	5,545	5,915	8,288	9,047	9,554	10,957	97.6
Korea	14,555	16,782	19,118	21,873	23,125	26,002	78.6
Turkey	5,928	7,044	7,982	7,852	9,350	9,349	57.7
China	52,208	56,020	59,430	61,590	67,241	70,710	35.4
India	12,197	13,121	14,309	14,429	14,866	16,394	34.4
Japan	98,275	98,513	105,681	107,909	110,333	109,636	11.6
Mexico	7,225	7,642	7,779	7,851	8,682	8,013	10.9
EC-12	125,855	126,486	137,816	140,080	136,454	137,357	9.1
United States	74,032	80,876	90,650	88,834	88,900	79,393	7.2
Brazil	21,233	22,228	24,657	25,055	20,569	22,613	6.5
Australia	6,674	6,100	6,387	6,732	6,617	6,182	-7.4
Canada	14,081	14,737	14,866	15,458	12,100	12,994	-7.7
Soviet Union	160,537	161,935	163,037	160,096	154,333	133,643	-16.8
Czechoslovakia	15,112	15,416	15,380	15,465	14,877	12,273	-18.8
Poland	17,144	17,145	16,873	15,094	13,633	10,338	-39.7
Total selected countries/region	630,601	649,960	692,253	697,365	690,634	665,854	5.6
All other	82,782	85,942	87,396	87,575	79,615	68,546	-17.2
World total	713,383	735,902	779,649	784,940	770,249	734,400	2.9

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

INTERNATIONAL TRADE HIGHLIGHTS

Table v

Steel mill products: Average annual exports, by country/region of origin, by specified period, 1971-90¹

Period	United States	EC-12 ²	Japan	Principal steel-producing developing countries ³	Other	World
1,000 metric tons						
1971-75	3,456	54,297	26,006	2,012	25,663	111,433
1976-80	2,627	61,511	32,123	4,911	33,810	134,983
1981-85	1,449	64,991	30,286	12,944	40,723	150,393
1986-90	2,365	69,458	22,720	19,074	51,187	164,805
Percent of world exports						
1971-75	3.1	48.7	23.3	1.8	23.0	100.0
1976-80	1.9	45.6	23.8	3.6	25.0	100.0
1981-85	1.0	43.2	20.1	8.6	27.1	100.0
1986-90	1.4	42.1	13.8	11.6	31.1	100.0
Percent of shipments ⁴						
1971-75	3.8	45.9	30.5	5.9	(⁵)	22.0
1976-80	3.1	52.6	34.2	9.2	16.0	24.1
1981-85	2.2	59.9	32.6	17.2	18.2	26.6
1986-90	3.4	58.9	23.3	17.3	20.6	25.6

¹ Includes intra-EC trade.² Includes all twelve countries for all years.³ Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.⁴ Derived by the staff of the International Trade Commission.⁵ Not available.

Source: Calculated from statistics of the International Iron and Steel Institute and the U.K. Iron and Steel Statistics Bureau, except as noted.

Table vi

Steel mill products: Average annual exports, by country/region of origin, by specified period, 1971-90¹

Period	United States	EC-12 ²	Japan	Principal steel-producing developing countries ³	Other	World
1,000 metric tons						
1971-75	3,456	28,257	26,006	2,012	25,663	85,393
1976-80	2,627	33,131	32,123	4,911	33,810	107,056
1981-85	1,449	35,931	30,286	12,944	40,723	121,333
1986-90	2,365	28,857	22,720	19,074	51,187	124,204
Percent of world exports						
1971-75	4.0	33.1	30.5	2.3	30.1	100.0
1976-80	2.5	31.1	30.0	4.6	31.8	100.0
1981-85	1.2	29.6	25.0	10.7	33.6	100.0
1986-90	1.9	23.2	18.3	15.4	41.2	100.0
Percent of shipments ⁴						
1971-75	3.8	23.9	30.5	5.9	(⁵)	17.8
1976-80	3.1	28.3	34.2	9.2	16.0	20.1
1981-85	2.2	33.1	32.6	17.2	18.2	22.6
1986-90	3.4	24.5	23.3	17.3	20.6	20.6

¹ Excludes intra-EC trade.² Includes all twelve countries for all years.³ Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.⁴ Derived by the staff of the International Trade Commission.⁵ Not available.

Source: Calculated from statistics of the International Iron and Steel Institute and the U.K. Iron and Steel Statistics Bureau, except as noted.

INTERNATIONAL TRADE HIGHLIGHTS

Table vii
Steel mill products: Average annual imports, by country/region of origin, by specified period, 1971-90¹

<i>Period</i>	<i>United States</i>	<i>EC-12²</i>	<i>Japan</i>	<i>Principal steel-producing developing countries³</i>	<i>Other</i>	<i>World</i>
<i>Imports (1,000 metric tons)</i>						
1971-75	14,058	36,057	141	9,691	51,296	111,244
1976-80	15,644	41,910	675	13,891	63,263	135,383
1981-85	18,521	40,555	2,644	17,539	70,294	149,552
1986-90	17,527	53,839	5,930	21,542	67,796	166,634
<i>Percent of world</i>						
1971-75	12.6	32.4	0.1	8.7	46.1	100.0
1976-80	11.6	31.0	0.5	10.3	46.7	100.0
1981-85	12.4	27.1	1.8	11.7	47.0	100.0
1986-90	10.5	32.3	3.6	12.9	40.7	100.0
<i>Percent of apparent consumption of finished steel</i>						
1971-75	13.8	36.1	0.2	23.2	(⁴)	22.0
1976-80	16.2	43.0	1.1	22.2	26.3	24.2
1981-85	22.6	48.2	4.0	21.9	27.8	26.5
1986-90	20.6	52.7	7.4	19.1	25.6	25.8

¹ Includes intra-EC trade.

² Includes all twelve countries for all years.

³ Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

⁴ Not available.

Source: Calculated from statistics of the international Iron and Steel Institute.

Table viii
Steel mill products: Average annual imports by country/region of origin, by specified period, 1971-90¹

<i>Period</i>	<i>United States</i>	<i>EC-12²</i>	<i>Japan</i>	<i>Principal steel-producing developing countries³</i>	<i>Other</i>	<i>World</i>
<i>Imports (1,000 metric tons)</i>						
1971-75	14,058	10,017	141	9,691	51,296	85,204
1976-80	15,644	13,374	675	13,891	63,263	107,003
1981-85	18,521	11,495	2,644	17,539	70,294	120,492
1986-90	17,527	13,238	5,930	21,542	67,796	126,033
<i>Percent of world</i>						
1971-75	16.5	11.8	0.2	11.4	60.2	100.0
1976-80	9.4	12.5	0.6	13.0	59.3	100.0
1981-85	15.4	9.5	2.2	14.6	58.3	100.0
1986-90	13.9	10.5	4.7	17.1	53.8	100.0
<i>Percent of apparent consumption of finished steel</i>						
1971-75	13.8	10.0	0.2	23.2	(⁴)	17.7
1976-80	16.2	13.9	1.1	22.2	26.3	20.1
1981-85	22.6	13.7	4.0	21.9	27.8	22.5
1986-90	20.6	12.9	7.4	19.1	25.6	20.8

¹ Excludes intra-EC trade.

² Includes all twelve countries for all years.

³ Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

⁴ Not available.

Source: Calculated from statistics of the International Iron and Steel Institute.

Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives, 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.¹ 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. On December 12, 1990, with the approval of the Ways and Means Committee, the Commission announced that the reports would be published quarterly, with the first quarterly report to be published in March 1991.²

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).

¹See appendix A for a copy of the request letter and appendix C for notice of continuation.

²See appendix B for letter and appendix D for notice of change in frequency of publication.

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.

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 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

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.

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, and Trinidad and Tobago. Although bilateral agreements have been reached with Austria, Finland

(continued...)

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.

Operation of the VRAs

Under the VRAs, foreign governments agreed to limit their steel exports to the U.S. market over specified time periods. The foreign governments issue to their industries export certificates, which in turn must be presented to U.S. Customs officials as a condition of entry. The U.S. Department of Commerce, which administers the program, monitors compliance on the basis of these export certificates.⁷ Issues or problems regarding the program (including compliance) are discussed by contracting parties through periodic meetings between U.S. and foreign government officials.⁸

Some of the VRAs set fixed-tonnage limits, while others limit exports to a certain share of the U.S. market. With respect to market share agreements, the Department of Commerce uses forecasts of U.S. apparent consumption (published in February, May, August, October, and December of each year)⁹ to establish (and revise) quantitative export ceilings. Since final consumption can only be determined following the termination of a period, adjustments for over- or undershipping may be carried forward to the subsequent period.

⁶(...continued)

and Yugoslavia, there has been no announcement of additional market share increases for those countries.

⁷Although the import statistics in this report may serve as an indicator of the overall percent of the export ceilings that are met, they are not a substitute for the official statistics based on export certificates. Even as an indicator, however, the figures in this report tend to overstate the actual level of VRA exports. This is because product coverage varies among agreements, and imports of products covered by only some VRAs countries are considered VRA imports regardless of which VRA country is the country of origin; the degree of overstatement, however, is relatively small.

⁸In order to enforce compliance with the VRAs, the President may, among other things, direct Customs to deny entry to further shipments from countries surpassing their ceilings.

⁹Forecasts are provided to the U.S. Department of Commerce by DRI, a private sector consulting firm.

Table A
Overall ceiling levels under initial and extended voluntary restraint arrangements

(In percent)				
Country	VRA I	Oct. 1, 1989- Dec. 31, 1990 ¹	Jan. 1, 1991- Dec. 31, 1991 ¹	Jan. 1, 1992- Mar. 31, 1992 ¹
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 ³ ---	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 were calculated using 1989 apparent consumption as a basis. For each country, the ceilings for individual product groupings were added, and the total was divided by 1989 apparent consumption of steel mill products, adjusted according to the length of the period.

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

³ Following the reunification of Germany, responsibility for the administration of the voluntary restraint agreement with East Germany was transferred to the European Community. However, the export ceiling level for steelworks located in Eastern Germany remains unchanged.

Source: USTR press release, December 12, 1989.

Structure of the Report

- o The Quarterly 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 Quarterly 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 1990, AISI reported imports of 17.2 million tons, which compares to the 18.0 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).

In table 30, unit values are calculated using unrounded data. Import values are customs value, i.e., the data do not include insurance and freight charges from the country of origin to the United States.

Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedule and sections 806.30 and 807.00 of the Tariff Schedule of the United States. These provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

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. The BLS data cover the entire steel industry, as defined by Standard Industrial Code 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 three percent of total employment levels reporting under this SIC.

Beginning with the February 1990 report, data on tool steel imports were revised so as to exclude bearing steel products; the revisions affect data going back to January 1989. The revised data, which are consistent with industry practice and reports prior to 1989, treat bearing steel as an alloy steel and categorize it according to its end form--either plate, sheet and strip, or rod. Unlike data on imports and shipments, available data on tool steel exports include some bearing steel products. As a result, apparent consumption calculations (see table 5) are slightly understated in the case of tool steel, and slightly overstated in the case of plate, sheet and strip, and rod. The ITC staff estimates, however, that the degree of understatement/overstatement is minor, as exports of bearing steel products are believed to be relatively low.

The continuity of certain trade data was affected by the implementation of the HTS due to changes in the metallurgical specifications of alloy steel and two important subsets of alloy steel: stainless steel and tool steel. In the case of alloy steel and tool steel, definitions have been broadened in some areas and narrowed in others, making it difficult to determine the net impact on trade figures. In the case of stainless steel, the definition has been broadened. Under the TSUS stainless steel was defined as any alloy steel which contained, by weight, less than 1 percent of carbon and over 11.5 percent of chromium; the HTS defines stainless steel as alloy steels containing, by weight, 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

Following consultation with the U.S. Department of Commerce, the ITC staff made the following revision to the June, July and September 1990 export data: 686 tons of June 1990 tool steel exports to Iraq, valued at \$1,411,000, have been reclassified as electrical sheet and strip; 1,681 tons of July 1990 tool steel exports to Iraq, valued at \$2,360,000, have been similarly reclassified; and 25,122 tons of September 1990 stainless plate exports to France, valued at \$9,162,041, have been reclassified as carbon slab exports.

Product coverage under the new VRAs (negotiated during 1989) differs slightly from that under the original VRAs (negotiated during 1984-5). For the purpose of statistical continuity, product coverage in this report has remained unchanged. The categories affected by these modifications include carbon and certain alloy sheet and strip (HTS numbers 7208.90.00, 7209.90.00, 7211.90.00, 7225.90.00 have been added to the new VRAs) and stainless sheet and strip (7219.90.00 and 7220.90.00 have also been added). In addition, HTS numbers 7206.90.00 (previously included under carbon and certain alloy semifinished steel) and 7302.30.00 (rails and related products) have been excluded from the new VRAs. The overall impact of these changes is relatively minor; with modifications, overall 1990 imports would have increased one percent.

The rails and related products category includes both new and used rails (see appendix E for complete definition). Of the 81,491 tons of rails and related products imported into the United States during the first quarter of 1992, 22 percent (or 18,250 tons) were used rails.

The following data revisions, announced by the American Iron and Steel Institute, have been incorporated in this issue: shipments of stainless wire rod in 1990 were changed from 105,130 tons to 34,587 tons, and as a result, overall shipments fell to 84,910,439 tons; 1,258 tons (\$1,537,000) of February 1991 tool steel exports to Mexico were reclassified as alloy bar exports.

Certain data in table vi and table viii on the international trade highlights pages have been revised.

To reflect changes made to the HTS effective January 1, 1992, several HTS import numbers have been added beginning with this report (see Appendix G). The changes reflect new break-outs established for high-nickel alloy steel.

C O N T E N T S

	<u>Page</u>
Quarterly review: Steel Trade-----	i
Quarterly review: Subject index-----	vi
U.S. steel industry highlights-----	vii
International production and consumption highlights-----	viii
International trade highlights-----	x
Preface-----	xii
Structure of the Report-----	xvi
Notes on Product Coverage and Methodology-----	xvii
Appendix A. Request letter from the Honorable Dan Rostenkowski, Chairman of the Committee on Ways and Means, U.S. House of Representatives-----	A-1
Appendix B. Letter from the Honorable Dan Rostenkowski, Chairman of the Committee on Ways and Means, U.S. House of Representatives, concerning the change in publication frequency-----	B-1
Appendix C. Notice of continuation of investigation No. 332-226 in the <u>Federal Register</u> -----	C-1
Appendix D. Notice of change in publication frequency of reports on the status of the steel industry in the <u>Federal Register</u> -----	D-1
Appendix E. Definitions of certain terms, and descriptions of the products subject to the investigation-----	E-1
Appendix F. U.S. exports, by country or region of destination, 1989, 1990, and specified periods 1990 and 1991-----	F-1
Appendix G. Exports to the United States of steel products covered by the VRAs, October 1984 to December 1990-----	G-1
Appendix H. December VRA signatories' ceilings tables based on apparent consumption forecasts-----	H-1

Tables

1. Steel: U.S. raw steel production, capability utilization, employ- ment, wages, shipments, imports, exports, apparent consumption, net sales, and net income, 1987-91, and by specified periods, 1991 and 1992-----	1
2. Steel mill products and certain fabricated steel products: U.S. producers' shipments, by product and grade of steel, 1987-91, and by specified periods, 1991 and 1992-----	2
3. Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1987-91, and by specified periods, 1991 and 1992-----	3
4. Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1987-91, and by specified periods, 1991 and 1992-----	4
5. Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1987-91, and by specified periods, 1991 and 1992-----	5
6. Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1987-91, and by specified periods, 1991 and 1992-----	6

CONTENTS

Tables

7.	Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	7
8.	Steel other than semifinished steel: U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	9
9.	Semifinished steel: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	11
10.	Carbon and certain alloy semifinished steel: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	12
11.	Carbon and certain alloy steel plate: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	14
12.	Carbon and certain alloy steel sheet and strip: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	16
13.	Carbon and certain alloy steel bar and light shapes: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	18
14.	Carbon and certain alloy steel wire rod: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	20
15.	Carbon and certain alloy steel wire: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	22
16.	Carbon and certain alloy steel wire products: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	24
17.	Carbon and certain alloy steel structural shapes: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	26
18.	Carbon and certain alloy steel rails and related products: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	28
19.	Carbon and certain alloy steel pipe and tube: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	30
20.	Total, carbon and certain alloy steel products: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	32
21.	Stainless semifinished steel: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	34
22.	Stainless steel plate: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	36

CONTENTS

Tables

23. Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	38
24. Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	40
25. Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	42
26. Stainless steel wire: U.S. imports for consumption by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	44
27. Stainless steel pipe and tube: U.S. imports for consumption by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	46
28. Alloy tool steel (all forms): U.S. imports for consumption by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	48
29. Total, stainless and alloy tool steel products: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	50
30. Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992-----	52
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, 1990, 1991, and by specified periods, 1991 and 1992-----	54
32. Steel mill products and certain fabricated steel products: U.S. imports for consumption, by customs areas, 1990, 1991, and by specified periods, 1991 and 1992-----	60
33. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Atlantic Coast customs area, 1990, 1991, and by specified periods, 1991 and 1992-----	61
34. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Great Lakes-Canadian border customs area, 1989, 1990, and by specified periods, 1990 and 1991-----	62
35. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Gulf Coast-Mexican border customs area, 1990, 1991, and by specified periods, 1991 and 1992-----	63
36. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through Off-shore customs area, 1990, 1991, and by specified periods, 1991 and 1992-----	64
37. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through the Pacific Coast customs area, 1990, 1991, and by specified periods, 1991 and 1992-----	65

Table 1

Steel: U.S. raw steel production, capacity utilization, continuous cast steel, employment, wages, shipments, imports, exports, apparent consumption, net sales, net income, 1987-91

	1987	1988	1989	1990	1991	January-March	
						1991	1992
Raw steel:							
Production (1,000 short tons)...	89,151	99,924	97,480	98,906	87,310	21,468	23,229
Capacity utilization (percent)...	79.5	89.2	84.1	84.7	74.2	72.8	82.1
Continuously cast (percent).....	59.8	61.3	64.6	67.4	75.7	76.0	76.8
Employment:							
Total (thousands) ¹	268.4	278.5	279.2	275.4	261.9	265.2	² 254.0
Production workers							
(thousands) ¹	202.9	215.5	215.4	211.3	198.3	² 202.1	² 191.2
Hourly employment							
cost ³ (dollars).....	23.71	24.65	24.63	25.62	27.64	27.39	28.93
Steel:							
Shipments (1,000 short tons)....	76,654	83,840	84,259	84,981	78,868	18,744	20,442
Imports (1,000 short tons).....	20,938	21,869	18,219	17,959	16,179	4,306	4,135
Exports (1,000 short tons).....	1,176	2,152	4,692	4,509	6,617	1,354	1,181
Apparent consumption							
(1,000 short tons).....	96,416	103,558	97,786	98,431	88,431	21,696	23,396
Ratio of imports to consumption							
(percent).....	21.7	21.1	18.6	18.2	18.3	19.8	17.7
Export-shipment ratio)							
(percent).....	1.5	2.6	5.6	5.3	8.4	7.2	5.8
Steel operations:							
Net steel sales (million							
dollars).....	26,933	32,466	31,525	30,635	27,270	6,335	6,571
Net steel income ⁴ (million							
dollars).....	1,077	(567)	1,597	(220)	(54)	(649)	(108)
Ratio of income to net sales							
(percent).....	4	(1.7)	5.1	(0.7)	(0.2)	(10.2)	(1.6)

¹ These figures represent employment in Standard Industrial Code (SIC) 331. (See Notes for explanation).

² Preliminary.

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

⁴ First quarter 1991 and 1992 data represent operating, not net income. Figures are for reporting companies only, which account for about 66 percent of the industry's total raw steel production.

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, 1987-1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1987	1988	1989	1990	1991	January-March	
						1991	1992
All grades of steel:							
Semifinished-----	1,593,216	1,927,658	1,850,245	1,916,575	2,548,961	529,771	544,853
Plate-----	4,047,919	7,327,887	7,293,115	7,944,624	6,942,406	1,778,507	1,801,016
Sheet and strip-----	43,288,266	44,707,915	45,376,975	43,815,735	40,633,136	9,192,756	10,894,275
Bars & certain shapes 1/--	13,575,114	14,488,773	14,510,007	14,726,831	12,840,512	3,138,400	3,297,376
Wire rod-----	3,840,494	4,048,230	4,229,889	4,325,740	4,365,595	1,087,179	1,095,677
Wire-----	800,063	1,072,698	1,005,407	917,950	865,092	210,546	239,111
Wire products-----	304,761	3/	3/	3/	3/	3/	3/
Structural shapes & units--	5,119,714	5,208,754	5,438,404	6,092,821	5,675,786	1,427,978	1,376,862
Rails & related products--	514,647	615,303	544,771	518,593	486,185	152,797	172,299
Pipe and tube-----	3,569,647	4,443,251	4,010,591	4,651,570	4,488,014	1,226,407	1,020,391
Total-----	76,653,841	83,840,469	84,259,404	84,910,439	78,845,687	18,744,341	20,441,860
Carbon & certain alloy 2/ steel:							
Semifinished-----	1,516,152	1,851,197	1,753,249	1,873,588	2,469,217	504,037	525,729
Plate-----	3,888,838	7,145,009	7,123,691	7,738,559	6,764,518	1,732,103	1,754,382
Sheet and strip-----	42,347,623	43,663,695	44,419,414	42,856,122	39,668,009	8,945,454	10,642,159
Bars & certain shapes-----	13,391,238	14,284,744	14,304,189	14,531,409	12,654,917	3,090,962	3,247,168
Wire rod-----	3,792,740	3,990,472	4,193,118	4,291,153	4,331,673	1,077,776	1,088,423
Wire-----	773,329	1,043,112	980,707	894,750	841,602	204,941	231,982
Wire products-----	304,761	3/	3/	3/	3/	3/	3/
Structural shapes & units--	5,119,714	5,208,754	5,438,404	6,092,821	5,675,786	1,427,978	1,376,862
Rails & related products--	514,647	615,303	544,771	518,593	486,185	152,797	172,299
Pipe and tube-----	3,527,867	4,387,761	3,962,470	4,610,197	4,453,781	1,217,002	1,011,526
Total-----	75,176,909	82,190,047	82,720,013	83,407,192	77,345,688	18,353,050	20,050,530
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	77,064	76,461	96,996	42,987	79,744	25,734	19,124
Plate-----	159,081	182,878	169,424	206,065	177,888	46,404	46,634
Sheet and strip-----	940,643	1,044,220	957,561	959,613	965,127	247,302	252,116
Bars & certain shapes-----	125,441	139,752	138,618	137,717	134,405	35,447	34,180
Wire rod-----	47,754	57,758	36,771	34,587	33,922	9,403	7,254
Wire-----	26,734	29,586	24,700	23,200	23,490	5,605	7,129
Pipe and tube-----	41,780	55,490	48,121	41,373	34,233	9,405	8,865
Tool steel (all forms)----	58,435	64,277	67,200	57,705	51,190	11,991	16,028
Total-----	1,476,932	1,650,422	1,539,391	1,503,247	1,499,999	391,291	391,330

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, 1987-1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1987	1988	1989	1990	1991	January-March	
						1991	1992
All grades of steel:							
Semifinished-----	2,288,995	2,844,979	2,197,811	2,362,820	2,045,572	595,951	650,308
Plate-----	1,566,694	1,872,937	1,437,109	1,572,722	1,291,064	360,288	380,728
Sheet and strip-----	7,875,891	7,303,964	6,443,362	6,866,501	6,407,872	1,662,732	1,640,799
Bars & certain shapes 1/-----	1,359,758	1,445,932	1,356,035	1,119,085	1,041,496	231,827	229,787
Wire rod-----	1,467,030	1,493,833	1,150,116	979,241	846,923	164,771	303,382
Wire-----	555,981	540,380	494,303	432,336	391,804	98,779	103,739
Wire products-----	649,377	572,451	703,602	660,325	511,839	123,866	146,218
Structural shapes & units-----	2,153,669	2,188,467	1,640,361	1,020,593	604,361	178,218	157,898
Rails & related products-----	245,988	319,432	322,985	349,555	303,596	76,884	81,492
Pipe and tube-----	2,775,091	3,286,690	2,472,802	2,595,989	2,734,661	813,080	440,774
Total-----	20,938,474	21,869,065	18,218,486	17,959,167	16,179,188	4,306,396	4,135,125
Carbon & certain alloy 2/ steel:							
Semifinished-----	2,232,270	2,782,572	2,135,690	2,301,998	1,996,610	582,056	643,094
Plate-----	1,555,577	1,857,090	1,419,396	1,552,071	1,269,565	355,584	373,573
Sheet and strip-----	7,746,596	7,185,380	6,302,844	6,712,159	6,247,191	1,618,899	1,591,189
Bars & certain shapes-----	1,281,168	1,361,113	1,264,305	1,035,255	943,845	204,906	208,037
Wire rod-----	1,448,720	1,474,623	1,128,417	956,113	821,026	158,191	296,124
Wire-----	536,897	519,727	472,984	414,008	374,750	94,253	99,224
Wire products-----	649,377	572,451	703,602	660,325	511,839	123,866	146,218
Structural shapes & units-----	2,153,669	2,188,467	1,640,361	1,020,593	604,361	178,218	157,898
Rails & related products-----	245,988	319,432	322,985	349,555	303,596	76,884	81,492
Pipe and tube-----	2,748,644	3,249,937	2,435,544	2,548,769	2,686,443	799,760	430,638
Total-----	20,598,906	21,510,792	17,826,128	17,550,846	15,759,226	4,192,617	4,027,487
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	56,725	62,407	62,121	60,822	48,962	13,895	7,214
Plate-----	11,118	15,847	17,713	20,651	21,498	4,705	7,155
Sheet and strip-----	129,295	118,584	140,519	154,342	160,680	43,833	49,610
Bars & certain shapes-----	37,991	40,724	43,417	44,526	52,493	14,038	11,907
Wire rod-----	18,311	19,210	21,698	23,128	25,897	6,581	7,257
Wire-----	19,084	20,653	21,319	18,328	17,054	4,526	4,515
Pipe and tube-----	26,448	36,752	37,258	47,220	48,218	13,321	10,137
Tool steel (all forms)-----	40,599	44,095	48,313	39,304	45,158	12,882	9,843
Total-----	339,571	358,272	392,358	408,321	419,960	113,781	107,638

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, 1987-1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1987	1988	1989	1990	1991	January-March	
						1991	1992
All grades of steel:							
Semifinished-----	73,543	61,430	390,812	497,199	699,080	83,013	94,022
Plate-----	96,538	119,393	630,689	483,452	731,398	204,121	103,659
Sheet and strip-----	556,991	1,374,056	2,521,649	1,766,622	2,774,801	563,810	491,619
Bars & certain shapes 1/--	121,869	141,461	258,640	451,278	585,849	122,897	136,154
Wire rod-----	8,217	10,161	36,093	106,632	166,455	32,941	15,097
Wire-----	26,669	36,668	31,344	70,052	89,415	15,135	17,642
Wire products-----	23,257	27,847	32,160	41,548	51,552	12,367	12,990
Structural shapes & units--	101,373	111,614	260,750	495,007	657,019	142,194	120,442
Rails & related products--	15,755	18,855	86,464	126,629	108,056	27,704	18,111
Pipe and tube-----	152,155	250,390	442,992	470,779	753,109	150,240	170,830
Total-----	1,176,367	2,151,875	4,691,593	4,509,198	6,616,734	1,354,422	1,180,566
Carbon & certain alloy 2/ steel:							
Semifinished-----	71,362	58,598	376,984	515,848	679,017	72,659	92,873
Plate-----	92,057	107,546	623,412	446,843	713,287	201,206	102,129
Sheet and strip-----	501,010	1,328,485	2,475,995	1,710,621	2,691,839	544,732	471,626
Bars & certain shapes-----	111,619	124,911	223,749	428,311	560,268	115,759	131,520
Wire rod-----	6,889	8,676	30,588	101,219	162,231	31,162	14,498
Wire-----	22,863	32,209	28,730	66,453	86,775	14,296	17,140
Wire products-----	23,257	27,847	32,160	41,548	51,552	12,367	12,990
Structural shapes & units--	101,373	111,614	260,750	495,007	657,019	142,194	120,442
Rails & related products--	15,755	18,855	86,464	126,629	108,056	27,704	18,111
Pipe and tube-----	143,405	244,192	434,925	457,336	738,176	147,040	167,604
Total-----	1,089,590	2,062,933	4,573,757	4,389,815	6,448,220	1,309,119	1,148,933
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	2,181	2,833	13,829	6,472	20,063	10,354	1,149
Plate-----	4,481	11,847	7,277	11,487	18,111	2,915	1,530
Sheet and strip-----	55,981	45,571	45,653	58,368	82,962	19,079	19,993
Bars & certain shapes-----	7,189	12,047	16,399	16,005	16,989	4,788	2,896
Wire rod-----	1,328	1,486	5,505	5,413	4,224	1,779	599
Wire-----	3,806	4,459	2,614	3,599	2,640	839	502
Pipe and tube-----	8,751	6,198	8,067	13,443	14,934	3,199	3,226
Tool steel (all forms)----	3,061	4,502	18,492	4,594	8,592	2,349	1,737
Total-----	86,778	88,943	117,836	119,381	168,515	45,302	31,632

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, 1987-1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1987	1988	1989	1990	1991	January-March	
						1991	1992
All grades of steel:							
Semifinished-----	3,808,668	4,711,207	3,657,244	3,782,196	3,895,453	1,042,709	1,101,139
Plate-----	5,518,075	9,081,431	8,099,535	9,033,894	7,502,072	1,934,674	2,078,085
Sheet and strip-----	50,607,166	50,637,823	49,298,688	48,915,614	44,266,207	10,291,678	12,043,455
Bars & certain shapes 1/-----	14,813,003	15,793,244	15,607,402	15,394,638	13,296,159	3,247,330	3,391,009
Wire rod-----	5,299,307	5,531,902	5,343,912	5,198,349	5,046,063	1,219,009	1,383,962
Wire-----	1,329,375	2,121,014	2,139,808	1,899,011	1,627,768	405,689	458,436
Wire products-----	930,881	3/	3/	3/	3/	3/	3/
Structural shapes & units-----	7,172,010	7,285,607	6,818,015	6,618,407	5,623,128	1,464,002	1,414,318
Rails & related products-----	744,880	915,880	781,292	741,519	681,725	201,977	235,680
Pipe and tube-----	6,192,583	7,479,551	6,040,401	6,776,780	6,469,566	1,889,247	1,290,335
Total-----	96,415,948	103,557,659	97,786,297	98,360,408	88,408,141	21,696,315	23,396,419
Carbon & certain alloy 2/ steel:							
Semifinished-----	3,677,060	4,575,171	3,511,955	3,659,738	3,786,810	1,013,434	1,075,950
Plate-----	5,352,358	8,894,553	7,919,675	8,843,787	7,320,796	1,886,481	2,025,826
Sheet and strip-----	49,593,209	49,520,590	48,246,263	47,857,660	43,223,361	10,019,621	11,761,722
Bars & certain shapes-----	14,560,787	15,520,946	15,344,745	15,138,353	13,038,494	3,180,109	3,323,685
Wire rod-----	5,234,571	5,456,419	5,290,947	5,146,047	4,990,468	1,204,805	1,370,049
Wire-----	1,287,363	2,075,234	2,096,403	1,861,082	1,589,864	396,397	447,294
Wire products-----	930,881	3/	3/	3/	3/	3/	3/
Structural shapes & units-----	7,172,010	7,285,607	6,818,015	6,618,407	5,623,128	1,464,002	1,414,318
Rails & related products-----	744,880	915,880	781,292	741,519	681,725	201,977	235,680
Pipe and tube-----	6,133,106	7,393,506	5,963,089	6,701,630	6,402,048	1,869,722	1,274,560
Total-----	94,686,225	101,637,906	95,972,384	96,568,223	86,656,694	21,236,548	22,929,084
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	131,608	136,035	145,288	97,337	108,643	29,275	25,189
Plate-----	165,718	186,878	179,860	215,229	181,275	48,194	52,259
Sheet and strip-----	1,013,957	1,117,233	1,052,427	1,055,587	1,042,845	272,056	281,733
Bars & certain shapes-----	156,243	168,429	165,636	166,238	169,909	44,697	43,191
Wire rod-----	64,737	75,482	52,964	52,302	55,595	14,205	13,912
Wire-----	42,012	45,780	43,405	37,929	37,904	9,292	11,142
Pipe and tube-----	59,477	86,044	77,312	75,150	67,517	19,527	15,776
Tool steel (all forms)-----	95,973	103,870	97,021	92,415	87,756	22,524	24,134
Total-----	1,729,725	1,919,751	1,813,913	1,792,187	1,751,444	459,770	467,336

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: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1987-1991, and by specific periods, 1991 and 1992

(Percent)

Item	1987	1988	1989	1990	1991	January-March	
						1991	1992
All grades of steel:							
Semifinished-----	60.1	60.4	60.1	62.5	52.5	57.2	59.1
Plate-----	28.4	20.6	17.7	17.4	17.2	18.6	18.3
Sheet and strip-----	15.6	14.4	13.1	14.0	14.5	16.2	13.6
Bars & certain shapes 1/-----	9.2	9.2	8.7	7.3	7.8	7.1	6.8
Wire rod-----	27.7	27.0	21.5	18.8	16.8	13.5	21.9
Wire-----	41.8	52.5	56.0	57.5	55.5	54.9	54.5
Wire products-----	69.8	3/	3/	3/	3/	3/	3/
Structural shapes & units-----	30.0	30.0	24.1	15.4	10.7	12.2	11.2
Rails & related products-----	33.0	34.9	41.3	47.1	44.5	38.1	34.6
Pipe and tube-----	44.8	43.9	40.9	38.3	42.3	43.0	34.2
Total-----	21.7	21.1	18.6	18.3	18.3	19.8	17.7
Carbon & certain alloy 2/ steel:							
Semifinished-----	60.7	60.8	60.8	62.9	52.7	57.4	59.8
Plate-----	29.1	20.9	17.9	17.5	17.3	18.8	18.4
Sheet and strip-----	15.6	14.5	13.1	14.0	14.5	16.2	13.5
Bars & certain shapes-----	8.8	8.8	8.2	6.8	7.2	6.4	6.3
Wire rod-----	27.7	27.0	21.3	18.6	16.5	13.1	21.6
Wire-----	41.7	52.6	56.1	57.7	55.8	55.0	54.9
Wire products-----	69.8	3/	3/	3/	3/	3/	3/
Structural shapes & units-----	30.0	30.0	24.1	15.4	10.7	12.2	11.2
Rails & related products-----	33.0	34.9	41.3	47.1	44.5	38.1	34.6
Pipe and tube-----	44.8	44.0	40.8	38.0	42.0	42.8	33.8
Total-----	21.8	21.2	18.6	18.2	18.2	19.7	17.6
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	43.1	45.9	42.8	62.5	45.1	47.5	28.6
Plate-----	6.7	8.5	9.8	9.6	11.9	9.8	13.7
Sheet and strip-----	12.8	10.6	13.4	14.6	15.4	16.1	17.6
Bars & certain shapes-----	24.3	24.2	26.2	26.8	30.9	31.4	27.6
Wire rod-----	28.3	25.4	41.0	44.2	46.6	46.3	52.2
Wire-----	45.4	45.1	49.1	48.3	45.0	48.7	40.5
Pipe and tube-----	44.5	42.7	48.2	62.8	71.4	68.2	64.3
Tool steel (all forms)-----	42.3	42.5	49.8	42.5	51.5	57.2	40.8
Total-----	19.6	18.7	21.6	22.8	24.0	24.7	23.0

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
Quantity (short tons)				
VRA countries:				
Australia -----	310,503	368,973	116,157	109,165
Austria -----	146,207	157,678	57,033	7,590
Brazil -----	1,479,726	1,307,923	291,750	446,336
Czechoslovakia -----	7,985	19,035	4,898	4,412
East Germany -----	40,670	0	0	0
EC countries -----	5,541,445	4,737,994	1,217,276	1,169,433
Finland -----	218,907	196,864	50,259	38,386
Hungary -----	31,568	18,505	15,339	5,255
Japan -----	3,101,236	2,775,688	769,551	597,423
Mexico -----	689,256	534,216	186,829	115,304
China -----	58,185	38,779	6,932	15,791
Poland -----	59,850	76,601	18,711	10,944
Romania -----	46,272	53,398	30,828	7,418
Republic of South Africa ----	1,290	415	0	3,867
Korea -----	1,517,953	1,580,864	479,443	393,412
Trinidad and Tobago -----	70,160	54,329	15,822	25,936
Venezuela -----	212,853	100,032	40,277	15,501
Yugoslavia -----	23,764	34,100	10,928	5,727
Total-----	13,557,830	12,055,394	3,312,033	2,971,900
Other countries:				
Canada -----	3,140,772	3,129,136	675,606	959,750
Sweden -----	295,107	302,325	70,730	83,645
Argentina -----	202,853	198,550	86,142	18,964
Taiwan -----	211,819	140,697	58,605	17,480
Turkey -----	143,581	104,418	15,837	30,477
New Zealand -----	106,104	72,233	37,647	15,315
India -----	108,323	34,682	14,584	6,275
Colombia -----	8,034	24,336	7,671	591
Norway -----	16,973	20,288	3,165	9,994
Singapore -----	30,849	14,980	3,658	1,390
All others-----	136,923	82,148	20,719	19,345
Total-----	4,401,338	4,123,793	994,364	1,163,226
Grand total-----	17,959,168	16,179,187	4,306,397	4,135,126

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	121,748	134,921	44,076	41,340
Austria -----	90,019	88,976	30,084	8,041
Brazil -----	435,980	456,375	101,084	132,027
Czechoslovakia -----	2,590	7,084	2,191	1,569
East Germany -----	12,352	-	-	-
EC countries-----	2,752,129	2,449,410	631,791	571,377
Finland -----	104,734	81,447	21,451	15,852
Hungary -----	8,890	4,919	3,885	1,377
Japan -----	2,093,952	1,947,128	530,083	432,116
Mexico -----	323,139	267,440	79,946	71,643
China -----	33,905	23,260	4,779	8,548
Poland -----	21,186	23,634	5,683	3,568
Romania -----	14,742	17,319	9,774	2,288
Republic of South Africa ----	1,044	423	-	3,362
Korea -----	726,203	717,483	225,483	181,071
Trinidad and Tobago -----	19,653	14,283	4,595	7,805
Venezuela -----	75,805	40,684	15,917	4,585
Yugoslavia -----	9,623	12,140	4,013	2,613
Total-----	6,847,694	6,286,926	1,714,835	1,489,182
Other countries:				
Canada -----	1,509,728	1,535,618	341,749	439,099
Sweden -----	254,885	246,786	63,765	62,456
Argentina -----	98,746	84,481	33,865	10,745
Taiwan -----	135,854	106,362	36,633	18,730
Turkey -----	45,013	30,927	5,074	8,765
New Zealand -----	42,416	28,242	14,439	4,534
India -----	52,088	23,264	8,494	5,311
Colombia -----	3,243	8,572	2,363	685
Norway -----	10,395	13,199	1,956	4,570
Singapore -----	18,503	10,695	2,596	1,644
All others-----	75,604	53,805	10,927	12,839
Total-----	2,246,475	2,141,951	521,861	569,378
Grand total-----	9,094,169	8,428,877	2,236,696	2,058,560

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

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	January-March			
	1990	1991		
			1991	1992
Quantity (Short tons)				
VRA countries:				
Australia -----	180,756	208,037	73,432	44,464
Austria -----	146,205	157,656	57,033	7,484
Brazil -----	666,423	603,575	115,938	188,228
Czechoslovakia -----	7,985	19,035	4,898	4,412
East Germany -----	40,670	0	0	0
EC-----	4,668,534	4,020,417	1,004,622	923,945
Finland -----	212,524	150,392	40,332	36,988
Hungary -----	31,568	18,505	15,339	5,255
Japan -----	3,089,983	2,770,137	768,317	597,282
Mexico -----	453,247	332,734	94,927	88,448
China -----	58,174	38,779	6,932	15,791
Poland -----	59,762	76,601	18,711	10,944
Romania -----	46,272	53,398	30,828	7,418
Republic of South Africa -----	1,290	415	0	3,867
Korea -----	1,517,796	1,580,863	479,443	393,412
Trinidad and Tobago -----	70,160	54,329	15,822	25,936
Venezuela -----	212,853	100,032	40,277	15,501
Yugoslavia -----	23,764	34,100	10,928	5,727
Total-----	11,487,966	10,219,005	2,777,779	2,375,102
Other countries:				
Canada -----	2,925,468	3,025,329	641,610	940,580
Argentina -----	202,710	198,550	86,142	18,964
Sweden -----	218,199	197,410	43,029	51,989
Taiwan -----	211,797	140,696	58,604	17,480
Turkey -----	143,581	104,418	15,837	30,477
New Zealand -----	106,103	72,233	37,647	15,315
India -----	108,323	34,682	14,584	6,275
Colombia -----	8,034	24,336	7,671	591
Norway -----	16,967	20,288	3,165	7,308
Singapore -----	30,849	14,980	3,658	1,390
All others-----	136,349	81,687	20,718	19,346
Total-----	4,108,380	3,914,609	932,665	1,109,715
Grand total-----	15,596,346	14,133,614	3,710,444	3,484,817

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January-March	
			1991	1992
			Import/consumption ratio (percent)	
VRA countries:				
Australia -----	.2	.2	.4	.2
Austria -----	.2	.2	.3	2/
Brazil -----	.7	.7	.6	.9
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	2/	2/	2/	2/
EC-----	5.0	4.8	4.9	4.2
Finland -----	.2	.2	.2	.2
Hungary -----	2/	2/	.1	2/
Japan -----	3.3	3.3	3.8	2.7
Mexico -----	.5	.4	.5	.4
China -----	.1	2/	2/	.1
Poland -----	.1	.1	.1	2/
Romania -----	2/	.1	.2	2/
Republic of South Africa -----	2/	2/	2/	2/
Korea -----	1.6	1.9	2.3	1.8
Trinidad and Tobago -----	.1	.1	.1	.1
Venezuela -----	.2	.1	.2	.1
Yugoslavia -----	2/	2/	.1	2/
Total-----	12.3	12.2	13.6	10.7
Other countries:				
Canada -----	3.1	3.6	3.1	4.3
Argentina -----	.2	.2	.4	.1
Sweden -----	.2	.2	.2	.2
Taiwan -----	.2	.2	.3	.1
Turkey -----	.2	.1	.1	.1
New Zealand -----	.1	.1	.2	.1
India -----	.1	2/	.1	2/
Colombia -----	2/	2/	2/	2/
Norway -----	2/	2/	2/	2/
Singapore -----	2/	2/	2/	2/
All others-----	.1	.1	.1	.1
Total-----	4.4	4.7	4.6	5.0
Grand total-----	16.6	16.8	18.1	15.8

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, 1990, 1991, and by specified periods, 1991 and 1992

Source	Jan 1991-Mar 1992 Adjusted Ceiling ^{2/}	1990	1991	January--March	
				1991	1992
Quantity (short tons)					
VRA countries:					
Australia -----	200,087	129,746	160,936	42,724	64,700
Austria -----	3/	2	22	0	106
Brazil -----	1,176,494	813,302	704,348	175,811	258,109
Czechoslovakia -----	3/	0	0	0	0
East Germany -----	3/	0	0	0	0
EC Countries -----	920,605	872,912	717,577	212,654	245,487
Finland -----	26,115	6,383	46,472	9,927	1,397
Hungary -----	3/	0	0	0	0
Japan -----	104,909	11,253	5,551	1,235	140
Mexico -----	302,426	236,008	201,482	91,902	26,855
China -----	3/	12	0	0	0
Poland -----	3/	87	0	0	0
Romania -----	3/	0	0	0	0
Republic of South Africa -----	4/	0	0	0	0
Korea -----	302,282	156	1	0	0
Trinidad and Tobago -----	29,750	0	0	0	0
Venezuela -----	76,965	0	0	0	0
Yugoslavia -----	3/	0	0	0	0
Total-----	5/	2,069,861	1,836,389	534,253	596,794
Other countries:					
Sweden -----	5/	76,909	104,915	27,701	31,656
Canada -----	5/	215,304	103,807	33,996	19,170
Soviet Union -----	5/	0	455	0	0
Switzerland -----	5/	508	6	0	0
Taiwan -----	5/	22	1	1	0
Israel -----	5/	0	0	0	0
Norway -----	5/	6	0	0	2,687
Argentina -----	5/	143	0	0	0
Peru -----	5/	47	0	0	0
Chile -----	5/	17	0	0	0
All others-----	5/	1	0	0	0
Total-----	5/	292,957	209,184	61,698	53,513
Grand total-----	5/	2,362,818	2,045,573	595,951	650,307

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

^{2/} For Japan, Korea, Mexico, and Venezuela, the ceiling level is for the 15-month period ending March 31, 1992. For remaining countries, ceilings are the sum of the 1991 ceilings and the first-quarter 1992 ceilings.

^{3/} No explicit semifinished steel provisions are included in this voluntary restraint agreement.

^{4/} The United States did not renew its voluntary restraint agreement with South Africa. See preface and notes for explanation.

^{5/} Not applicable.

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

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	129,746	160,936	42,724	64,700
Austria -----	2	22	0	106
Brazil -----	813,302	704,348	175,811	258,109
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	852,870	706,828	211,682	244,478
Finland -----	6,383	46,472	9,927	1,397
Hungary -----	0	2/	2/	0
Japan -----	9,574	3,450	8	4
Mexico -----	235,733	201,417	91,886	26,845
China -----	12	2/	0	0
Poland -----	45	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	72	0	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	2,047,739	1,823,473	532,038	595,639
Other countries:				
Sweden -----	64,589	90,597	23,530	29,006
Canada -----	188,925	82,534	26,486	15,762
Switzerland -----	508	5	0	0
Taiwan -----	21	2/	2/	0
New Zealand -----	2/	0	0	0
Argentina -----	143	0	0	0
Norway -----	6	0	0	2,687
Peru -----	47	0	0	0
Chile -----	17	0	0	0
Total-----	254,256	173,136	50,016	47,455
Grand total-----	2,301,995	1,996,609	582,054	643,094

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy ^{1/} semfinished steel: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	26,553	35,603	10,495	14,586
Austria -----	69	114	0	38
Brazil -----	179,191	200,631	50,630	63,205
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	209,194	166,976	49,555	56,837
Finland -----	1,679	11,354	2,668	294
Hungary -----	0	3	1	0
Japan -----	3,965	1,059	30	5
Mexico -----	52,447	45,807	20,558	5,676
China -----	12	5	0	0
Poland -----	17	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	44	0	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	473,171	461,552	133,937	140,641
Other countries:				
Sweden -----	13,109	19,125	4,834	5,819
Canada -----	51,160	24,984	8,305	4,686
Switzerland -----	544	125	0	0
Taiwan -----	25	5	5	0
New Zealand -----	7	0	0	0
Argentina -----	116	0	0	0
Norway -----	40	0	0	516
Peru -----	44	0	0	0
Chile -----	7	0	0	0
Total-----	65,052	44,239	13,144	11,021
Grand total-----	538,223	505,791	147,081	151,662

^{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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	3,690	708	513	17
Austria -----	2,243	107	18	19
Brazil -----	86,554	87,312	17,156	26,260
Czechoslovakia -----	5,673	8,551	1,519	1,639
East Germany -----	11,859	0	0	0
EC countries-----	654,277	546,178	173,433	143,883
Finland -----	111,410	69,827	15,554	19,754
Hungary -----	16,333	9,584	7,997	2,317
Japan -----	32,833	37,202	9,222	5,231
Mexico -----	42,547	19,343	3,582	14,722
China -----	0	0	0	0
Poland -----	26,695	38,357	5,401	5,233
Romania -----	31,650	36,428	23,281	5,904
Republic of South Africa ----	0	0	0	530
Korea -----	36,677	28,038	9,722	5,062
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	13,467	1,402	1,402	0
Yugoslavia -----	10,371	18,647	5,510	2,514
Total-----	1,086,279	901,684	274,310	233,085
Other countries:				
Canada -----	271,734	253,456	52,930	112,174
Sweden -----	118,078	92,202	17,911	23,339
Argentina -----	2,817	8,228	7,696	0
Soviet Union -----	0	7,781	18	0
New Zealand -----	10,818	6,216	2,720	4,974
Switzerland -----	0	2/	0	0
Gabon -----	17	0	0	0
India -----	62,315	0	0	0
Antigua & Barbuda -----	12	0	0	0
Total-----	465,791	367,883	81,275	140,487
Grand total-----	1,552,070	1,269,567	355,585	373,572

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy ^{1/} steel plate: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	1,566	324	211	32
Austria -----	947	197	43	45
Brazil -----	30,212	31,011	6,081	8,258
Czechoslovakia -----	1,595	2,562	446	456
East Germany -----	3,431	0	0	0
EC countries-----	241,057	192,146	58,764	49,324
Finland -----	39,135	22,939	5,441	5,875
Hungary -----	4,597	2,449	1,956	596
Japan -----	22,038	27,335	5,859	3,897
Mexico -----	14,222	5,903	1,174	4,336
China -----	0	0	0	0
Poland -----	8,134	10,945	1,611	1,360
Romania -----	9,354	10,913	6,919	1,795
Republic of South Africa -----	0	0	0	144
Korea -----	11,850	8,299	2,843	1,384
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3,309	621	621	0
Yugoslavia -----	3,654	4,889	1,481	717
Total-----	395,101	320,533	93,450	78,219
Other countries:				
Canada -----	97,947	89,838	18,660	36,388
Sweden -----	51,528	39,508	8,415	8,685
Argentina -----	678	1,589	1,451	0
Soviet Union -----	0	1,948	4	0
New Zealand -----	2,725	1,509	630	985
Switzerland -----	0	4	0	0
Gabon -----	11	0	0	0
India -----	20,630	0	0	0
Antigua & Barbuda -----	17	0	0	0
Total-----	173,536	134,396	29,160	46,058
Grand total-----	568,637	454,929	122,610	124,277

^{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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	150,452	182,057	64,267	37,705
Austria -----	96,064	70,486	24,841	1,091
Brazil -----	274,960	227,037	37,466	88,108
Czechoslovakia -----	0	920	0	1,388
East Germany -----	15,024	0	0	0
EC countries-----	2,085,036	1,881,056	440,106	442,149
Finland -----	78,656	67,129	22,329	13,682
Hungary -----	15,187	8,860	7,320	2,769
Japan -----	1,833,821	1,543,257	422,464	368,794
Mexico -----	129,930	88,650	27,834	25,622
China -----	84	22	0	14
Poland -----	0	0	0	33
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	1,584
Korea -----	850,043	940,808	265,379	253,487
Trinidad and Tobago -----	532	9	0	0
Venezuela -----	82,810	17,840	14,205	613
Yugoslavia -----	917	407	130	0
Total-----	5,613,516	5,028,538	1,326,341	1,237,039
Other countries:				
Canada -----	807,843	937,725	177,853	314,212
Argentina -----	48,399	96,861	38,923	4,274
New Zealand -----	92,303	63,551	34,423	9,984
Taiwan -----	94,953	53,537	29,974	5,928
Sweden -----	32,381	45,522	7,826	12,201
Norway -----	14,291	19,923	3,070	7,080
Switzerland -----	632	895	143	454
Ecuador -----	0	346	346	0
Jordan -----	0	275	0	0
Antigua & Barbuda -----	451	13	0	0
All others-----	7,390	5	0	17
Total-----	1,098,643	1,218,653	292,558	354,150
Grand total-----	6,712,159	6,247,191	1,618,899	1,591,189

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	80,384	90,077	30,616	24,213
Austria -----	34,421	23,027	7,267	499
Brazil -----	95,336	83,837	14,646	29,614
Czechoslovakia -----	0	286	0	600
East Germany -----	5,395	0	0	0
EC countries -----	919,785	791,725	190,330	192,032
Finland -----	26,096	24,961	9,172	5,719
Hungary -----	4,208	2,333	1,860	708
Japan -----	1,065,285	894,046	237,887	229,945
Mexico -----	76,165	50,967	16,437	16,571
China -----	137	13	0	6
Poland -----	0	0	0	180
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	467
Korea -----	318,809	325,552	101,009	94,514
Trinidad and Tobago -----	252	3	0	0
Venezuela -----	30,280	6,588	4,797	269
Yugoslavia -----	540	331	101	0
Total-----	2,657,093	2,293,746	614,122	595,337
Other countries:				
Canada -----	358,257	405,174	79,200	137,496
Argentina -----	19,554	34,243	12,715	1,419
New Zealand -----	36,404	24,298	13,431	3,144
Taiwan -----	47,025	27,208	13,719	4,030
Sweden -----	30,770	35,870	8,824	10,505
Norway -----	8,452	12,108	1,756	3,905
Switzerland -----	688	1,069	210	451
Ecuador -----	0	126	126	0
Jordan -----	0	113	0	0
Antigua & Barbuda -----	261	24	0	0
All others-----	2,903	4	0	18
Total-----	504,314	540,237	129,981	160,968
Grand total-----	3,161,407	2,833,983	744,103	756,305

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	996	2,005	897	939
Austria -----	355	603	173	131
Brazil -----	84,587	85,635	23,890	16,994
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	304,883	292,972	40,864	28,489
Finland -----	2,795	1,266	472	287
Hungary -----	0	0	0	0
Japan -----	92,407	84,049	24,872	22,441
Mexico -----	13,193	11,194	2,522	3,607
China -----	5,516	4,280	635	1,200
Poland -----	2,212	730	150	130
Romania -----	0	0	0	0
Republic of South Africa ----	0	24	0	0
Korea -----	39,102	20,105	6,801	3,493
Trinidad and Tobago -----	31,873	8,520	2,866	2,248
Venezuela -----	32,482	21,847	2,494	2,313
Yugoslavia -----	0	0	0	0
Total-----	610,401	533,230	106,636	82,272
Other countries:				
Canada -----	339,393	341,964	76,790	110,292
Turkey -----	31,970	27,370	6,898	10,288
Colombia -----	6,748	21,216	6,833	0
Argentina -----	22,515	6,389	4,313	375
Sweden -----	4,759	5,775	1,145	2,436
India -----	9,639	5,740	1,822	2,079
Malaysia -----	2,300	1,729	286	278
Taiwan -----	445	254	145	12
Switzerland -----	377	94	39	5
Tokelau Island -----	0	46	0	0
All others-----	6,705	38	0	0
Total-----	424,851	410,615	98,271	125,765
Grand total-----	1,035,252	943,845	204,907	208,037

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy ¹/₂ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	349	790	345	347
Austria -----	876	1,178	326	176
Brazil -----	32,948	31,779	9,642	6,831
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	156,915	143,566	23,845	16,345
Finland -----	2,847	1,387	400	210
Hungary -----	0	0	0	0
Japan -----	59,060	54,969	16,291	13,425
Mexico -----	4,441	3,759	955	1,063
China -----	2,544	1,960	295	546
Poland -----	1,418	635	128	101
Romania -----	0	0	0	0
Republic of South Africa ----	0	19	0	0
Korea -----	12,671	5,966	2,106	1,086
Trinidad and Tobago -----	8,785	2,700	1,101	626
Venezuela -----	9,546	9,214	1,583	542
Yugoslavia -----	0	0	0	0
Total-----	292,400	257,922	57,017	41,298
Other countries:				
Canada -----	146,887	150,390	34,678	45,342
Turkey -----	11,117	9,451	2,303	2,440
Colombia -----	1,782	5,590	1,794	0
Argentina -----	8,873	2,502	1,570	198
Sweden -----	7,100	8,663	1,838	3,277
India -----	4,806	3,138	1,014	1,038
Malaysia -----	883	653	111	91
Taiwan -----	268	241	92	60
Switzerland -----	426	138	68	4
Tokelau Island -----	0	1,623	0	0
All others-----	1,998	34	0	0
Total-----	184,140	182,423	43,468	52,450
Grand total-----	476,540	440,345	100,485	93,748

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	9,962	16,836	6,656	4,115
Austria -----	0	0	0	0
Brazil -----	70,254	19,547	1,097	32,168
Czechoslovakia -----	0	0	0	0
East Germany -----	11,934	0	0	0
EC countries-----	147,053	83,344	16,499	31,452
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	182,818	193,795	46,768	56,768
Mexico -----	30,162	3,981	0	0
China -----	79	45	26	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea -----	18	0	0	0
Trinidad and Tobago -----	36,782	45,466	12,956	23,688
Venezuela -----	16,071	5,467	3,249	8,998
Yugoslavia -----	0	0	0	0
Total-----	505,133	368,481	87,251	157,189
Other countries:				
Canada -----	344,955	378,768	63,188	121,323
Turkey -----	89,832	64,336	4,010	15,543
Sweden -----	8,556	8,672	3,440	1,874
Taiwan -----	1,471	649	193	190
Argentina -----	877	84	84	0
India -----	0	19	19	0
Switzerland -----	3	15	5	5
Singapore -----	5,197	0	0	0
New Zealand -----	87	0	0	0
Total-----	450,978	452,543	70,939	138,935
Grand total-----	956,111	821,024	158,190	296,124

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	2,605	4,651	1,722	1,108
Austria -----	0	0	0	0
Brazil -----	18,309	5,002	308	7,633
Czechoslovakia -----	0	0	0	0
East Germany -----	2,762	0	0	0
EC countries-----	55,449	33,039	7,163	10,959
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	83,354	89,057	21,488	26,851
Mexico -----	8,000	986	0	0
China -----	34	20	11	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	11	0	0	0
Trinidad and Tobago -----	10,312	11,475	3,494	7,178
Venezuela -----	3,996	1,394	861	2,078
Yugoslavia -----	0	0	0	0
Total-----	184,832	145,624	35,047	55,807
Other countries:				
Canada -----	122,558	125,916	21,065	38,932
Turkey -----	23,185	15,559	1,016	3,596
Sweden -----	7,389	7,121	2,734	1,540
Taiwan -----	555	305	87	91
Argentina -----	378	30	30	0
India -----	0	9	9	0
Switzerland -----	1	25	9	10
Singapore -----	1,678	0	0	0
New Zealand -----	15	0	0	0
Total-----	155,759	148,965	24,950	44,169
Grand total-----	340,591	294,589	59,997	99,976

^{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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	4,849	4,880	731	1,042
Austria -----	1,612	1,098	234	277
Brazil -----	8,504	13,397	2,864	2,228
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	115,313	88,833	22,450	25,652
Finland -----	660	44	0	0
Hungary -----	0	0	0	0
Japan -----	63,483	59,440	15,509	14,891
Mexico -----	3,259	3,977	881	734
China -----	8,228	7,418	1,129	1,402
Poland -----	122	215	0	93
Romania -----	0	0	0	0
Republic of South Africa ----	0	22	0	90
Korea -----	4,003	4,944	1,265	639
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	6,092	8,124	1,463	1,696
Yugoslavia -----	0	0	0	36
Total-----	216,125	192,392	46,526	48,780
Other countries:				
Canada -----	160,741	153,425	38,172	42,304
Taiwan -----	8,060	10,308	2,585	3,289
Sweden -----	7,240	7,738	2,116	2,082
India -----	6,759	6,653	2,477	2,046
Argentina -----	11,209	2,117	1,814	87
Chile -----	888	668	201	105
Dominican Republic -----	307	473	137	122
Indonesia -----	329	344	112	97
Switzerland -----	679	228	2	179
New Zealand -----	35	220	41	37
All others-----	1,635	186	69	94
Total-----	197,882	182,360	47,726	50,442
Grand total-----	414,007	374,752	94,252	99,222

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	2,060	2,160	336	480
Austria -----	3,178	2,383	592	615
Brazil -----	4,409	6,589	1,559	1,094
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	109,254	88,513	23,300	24,990
Finland -----	396	20	0	0
Hungary -----	0	0	0	0
Japan -----	56,537	50,980	13,158	13,113
Mexico -----	1,991	2,407	553	442
China -----	3,797	3,540	553	684
Poland -----	73	123	0	50
Romania -----	0	0	0	0
Republic of South Africa ----	0	8	0	36
Korea -----	3,162	3,588	886	430
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3,330	4,508	736	953
Yugoslavia -----	0	0	0	23
Total-----	188,187	164,819	41,673	42,910
Other countries:				
Canada -----	97,290	92,484	22,968	28,509
Taiwan -----	4,897	6,063	1,533	2,107
Sweden -----	8,990	9,278	2,454	2,617
India -----	2,752	3,690	1,409	893
Argentina -----	4,983	1,002	779	45
Chile -----	524	373	114	75
Dominican Republic -----	32	88	18	33
Indonesia -----	150	154	48	45
Switzerland -----	437	269	27	189
New Zealand -----	43	193	27	53
All others-----	1,218	110	42	99
Total-----	121,316	113,704	29,419	34,665
Grand total-----	309,503	278,523	71,092	77,575

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	37	4	2	0
Austria -----	3,158	1,942	503	455
Brazil -----	12,446	11,622	3,412	2,897
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	78,806	63,172	16,094	21,418
Finland -----	2	4	2	1
Hungary -----	18	21	0	168
Japan -----	59,622	41,508	12,841	11,356
Mexico -----	34,023	26,959	7,020	7,892
China -----	42,136	23,727	4,539	12,769
Poland -----	9,780	10,354	1,677	1,346
Romania -----	0	0	0	0
Republic of South Africa ----	0	5	0	0
Korea -----	185,686	155,381	41,569	42,344
Trinidad and Tobago -----	295	0	0	0
Venezuela -----	13,415	6,688	1,746	805
Yugoslavia -----	5,188	2,465	757	252
Total-----	444,612	343,852	90,160	101,703
Other countries:				
Canada -----	98,435	97,098	17,953	24,887
Indonesia -----	22,699	14,540	1,850	6,243
Taiwan -----	14,687	11,071	2,134	3,263
Oman -----	5,706	7,469	2,017	497
United Arab Emirates -----	10,333	7,294	1,234	1,558
Turkey -----	12,540	6,891	1,696	2,110
Argentina -----	14,584	3,803	2,576	717
Chile -----	7,333	3,794	558	562
Honduras -----	1,571	2,644	475	988
Sweden -----	1,981	1,892	472	486
All others-----	25,844	11,492	2,741	3,203
Total-----	215,713	167,988	33,706	44,514
Grand total-----	660,325	511,840	123,866	146,217

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	83	15	11	0
Austria -----	8,029	4,758	1,463	1,056
Brazil -----	6,663	6,834	1,874	2,191
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	146,208	119,049	30,062	37,086
Finland -----	8	10	2	12
Hungary -----	7	8	0	69
Japan -----	108,050	85,498	24,346	22,479
Mexico -----	26,856	20,775	5,774	5,974
China -----	24,600	14,611	3,301	6,965
Poland -----	3,967	3,967	662	518
Romania -----	0	0	0	0
Republic of South Africa -----	0	4	0	0
Korea -----	161,962	133,963	34,777	36,584
Trinidad and Tobago -----	116	0	0	0
Venezuela -----	5,173	2,370	612	296
Yugoslavia -----	2,111	970	289	97
Total-----	493,833	392,832	103,173	113,327
Other countries:				
Canada -----	83,213	79,704	14,929	20,260
Indonesia -----	10,045	5,970	733	2,356
Taiwan -----	16,622	13,823	2,608	4,188
Oman -----	2,509	2,853	650	205
United Arab Emirates -----	5,102	3,118	565	756
Turkey -----	6,588	3,288	348	1,755
Argentina -----	7,665	1,822	1,256	320
Chile -----	4,202	2,302	331	322
Honduras -----	686	1,464	276	526
Sweden -----	5,090	5,403	1,272	1,192
All others-----	22,450	14,451	3,075	3,688
Total-----	164,172	134,198	26,043	35,568
Grand total-----	658,005	527,030	129,216	148,895

^{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 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
Quantity (short tons)				
VRA countries:				
Australia -----	41	8	2/	22
Austria -----	274	305	60	71
Brazil -----	6,509	10,883	1,793	3,601
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	537,513	263,352	71,421	70,787
Finland -----	12	7	0	2/
Hungary -----	0	0	0	0
Japan -----	114,932	48,069	9,828	13,911
Mexico -----	36,696	13,031	5,482	1,767
China -----	1,477	1,705	42	215
Poland -----	15,062	24,309	9,789	3,166
Romania -----	113	62	62	0
Republic of South Africa ----	0	299	0	96
Korea -----	8,147	12,012	5,033	1,057
Trinidad and Tobago -----	678	270	0	0
Venezuela -----	183	165	46	31
Yugoslavia -----	0	0	0	0
Total-----	721,637	374,477	103,556	94,724
Other countries:				
Canada -----	278,669	217,538	68,818	62,637
Argentina -----	5,353	6,416	4,391	2
Taiwan -----	5,365	1,377	348	259
Colombia -----	2	1,126	535	1
Israel -----	365	990	0	0
New Zealand -----	1,448	943	105	62
Sweden -----	1,493	678	159	113
India -----	553	407	84	50
Singapore -----	3,741	228	180	2/
Switzerland -----	489	47	20	2/
All others-----	1,480	135	19	47
Total-----	298,958	229,885	74,659	63,171
Grand total-----	1,020,595	604,362	178,215	157,895

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	107	114	4	40
Austria -----	1,451	1,263	278	301
Brazil -----	3,255	5,217	780	2,590
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	208,048	130,845	35,282	30,804
Finland -----	38	11	0	2
Hungary -----	0	0	0	0
Japan -----	58,791	39,182	7,789	8,566
Mexico -----	20,750	7,497	2,203	912
China -----	1,314	1,418	43	196
Poland -----	4,249	6,212	2,502	751
Romania -----	42	39	39	0
Republic of South Africa -----	0	333	0	101
Korea -----	6,405	10,612	3,820	559
Trinidad and Tobago -----	188	75	0	0
Venezuela -----	120	158	41	27
Yugoslavia -----	0	0	0	0
Total-----	304,758	202,976	52,781	44,849
Other countries:				
Canada -----	152,709	113,627	34,468	28,000
Argentina -----	1,910	1,776	1,183	7
Taiwan -----	4,170	1,158	346	529
Colombia -----	3	350	167	4
Israel -----	427	1,476	0	0
New Zealand -----	1,848	1,022	128	90
Sweden -----	3,238	2,112	502	281
India -----	466	326	70	40
Singapore -----	4,822	462	276	4
Switzerland -----	1,607	194	70	8
All others-----	564	432	44	70
Total-----	171,764	122,935	37,254	29,033
Grand total-----	476,522	325,911	90,035	73,882

^{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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	3,657	1,324	358	531
Austria -----	6,319	3,642	506	4,623
Brazil -----	1,336	1,272	299	457
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	44,423	47,188	15,612	26,352
Finland -----	3	2/	0	7
Hungary -----	30	40	22	2/
Japan -----	87,191	97,927	28,266	15,812
Mexico -----	96	124	8	12
China -----	94	87	55	7
Poland -----	0	6	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	1,290	63	0	0
Korea -----	4,025	3,609	906	1,400
Trinidad and Tobago -----	0	64	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	148,464	155,346	46,032	49,201
Other countries:				
Canada -----	200,252	144,179	30,407	31,336
Argentina -----	2	2,999	0	0
Switzerland -----	11	311	310	0
Taiwan -----	246	284	93	53
Israel -----	23	185	0	433
Turkey -----	86	113	0	45
Colombia -----	73	111	18	38
Sweden -----	331	38	24	65
Netherland Antilles -----	20	21	0	9
Chile -----	15	5	0	0
All others-----	30	4	0	311
Total-----	201,089	148,250	30,852	32,290
Grand total-----	349,553	303,596	76,884	81,491

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
Value (thousand dollars)				
VRA countries:				
Australia -----	3,664	931	275	497
Austria -----	4,696	2,765	538	2,453
Brazil -----	1,128	1,036	224	364
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	26,170	26,282	9,045	14,196
Finland -----	42	5	0	16
Hungary -----	78	126	68	4
Japan -----	48,194	53,574	15,195	8,653
Mexico -----	163	198	17	36
China -----	67	83	33	9
Poland -----	0	3	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	1,044	55	0	0
Korea -----	2,141	2,054	584	686
Trinidad and Tobago -----	0	31	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	87,387	87,143	25,979	26,914
Other countries:				
Canada -----	47,317	44,285	9,434	12,032
Argentina -----	10	650	0	0
Switzerland -----	71	200	195	0
Taiwan -----	561	610	267	134
Israel -----	12	482	0	1,025
Turkey -----	58	54	0	24
Colombia -----	271	462	82	154
Sweden -----	512	111	56	307
Netherland Antilles -----	29	19	0	8
Chile -----	8	3	0	0
All others-----	51	10	0	80
Total-----	48,900	46,886	10,034	13,764
Grand total-----	136,287	134,029	36,013	40,678

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 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	6,529	205	6	93
Austria -----	32,169	74,215	28,877	0
Brazil -----	111,315	138,046	26,280	11,894
Czechoslovakia -----	2,312	9,330	3,260	1,385
East Germany -----	1,850	0	0	0
EC countries-----	573,065	616,422	169,252	98,572
Finland -----	3,187	3,097	358	1,835
Hungary -----	0	0	0	0
Japan -----	540,343	579,295	174,062	66,787
Mexico -----	140,133	133,064	41,612	19,422
China -----	0	968	311	178
Poland -----	5,603	2,353	1,636	930
Romania -----	14,509	14,914	7,485	1,514
Republic of South Africa ----	0	0	0	110
Korea -----	374,528	397,957	142,577	81,426
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	48,020	38,391	15,631	1,045
Yugoslavia -----	7,214	12,322	4,443	2,853
Total-----	1,860,777	2,020,579	615,790	288,044
Other countries:				
Canada -----	400,098	473,741	107,836	115,215
Argentina -----	96,895	71,650	26,344	13,505
Taiwan -----	77,484	52,185	19,864	2,287
India -----	18,466	16,177	8,340	38
Singapore -----	18,962	12,676	3,144	964
Sweden -----	16,887	9,902	3,595	3,139
Thailand -----	11,312	6,519	1,139	0
Egypt -----	4,048	5,969	3,204	1,375
Turkey -----	9,010	5,709	3,233	2,471
Israel -----	13,819	5,056	5,019	5
All others-----	21,010	6,279	2,249	3,596
Total-----	687,991	665,863	183,967	142,595
Grand total-----	2,548,768	2,686,442	799,757	430,639

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 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	3,059	71	2	37
Austria -----	20,476	36,745	13,730	0
Brazil -----	45,081	68,388	12,613	5,159
Czechoslovakia -----	994	3,987	1,567	514
East Germany -----	756	0	0	0
EC countries-----	363,826	412,796	111,223	59,822
Finland -----	1,719	1,680	214	841
Hungary -----	0	0	0	0
Japan -----	368,363	429,347	125,257	50,685
Mexico -----	72,723	70,991	22,209	10,435
China -----	0	626	133	123
Poland -----	2,372	1,026	600	540
Romania -----	5,346	5,651	2,816	493
Republic of South Africa ----	0	0	0	40
Korea -----	174,638	186,703	65,289	37,009
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,623	15,657	6,611	420
Yugoslavia -----	3,154	5,338	1,910	1,247
Total-----	1,082,130	1,239,006	364,174	167,365
Other countries:				
Canada -----	243,046	316,777	71,317	66,760
Argentina -----	54,467	40,840	14,881	8,747
Taiwan -----	33,418	23,789	8,362	1,118
India -----	7,560	7,310	3,532	46
Singapore -----	8,288	5,643	1,335	455
Sweden -----	19,510	12,057	4,548	3,275
Thailand -----	4,135	2,698	439	0
Egypt -----	1,427	2,162	1,195	477
Turkey -----	3,962	2,575	1,408	937
Israel -----	6,168	2,065	1,962	28
All others-----	11,530	5,011	1,326	1,452
Total-----	393,511	420,927	110,305	83,295
Grand total-----	1,475,641	1,659,933	474,479	250,660

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	309,960	368,963	116,153	109,165
Austria -----	142,198	152,420	55,212	6,773
Brazil -----	1,469,768	1,299,100	290,070	442,716
Czechoslovakia -----	7,985	18,801	4,779	4,412
East Germany -----	40,668	0	0	0
EC countries-----	5,393,240	4,589,344	1,177,413	1,133,232
Finland -----	203,107	187,846	48,641	36,964
Hungary -----	31,568	18,505	15,339	5,255
Japan -----	3,017,024	2,687,992	743,840	575,996
Mexico -----	665,773	501,740	180,826	100,622
China -----	57,626	38,252	6,736	15,786
Poland -----	59,519	76,324	18,653	10,930
Romania -----	46,272	51,405	30,828	7,418
Republic of South Africa ----	1,290	413	0	2,410
Korea -----	1,502,300	1,562,853	473,252	388,907
Trinidad and Tobago -----	70,160	54,329	15,822	25,936
Venezuela -----	212,539	99,923	40,237	15,501
Yugoslavia -----	23,691	33,841	10,840	5,655
Total-----	13,254,688	11,742,051	3,228,641	2,887,678
Other countries:				
Canada -----	3,091,045	3,080,428	660,433	950,142
Sweden -----	256,295	263,017	60,218	74,742
Argentina -----	202,795	198,547	86,142	18,961
Taiwan -----	202,732	129,668	55,337	15,281
Turkey -----	143,581	104,418	15,837	30,477
New Zealand -----	106,095	72,233	37,647	15,315
India -----	102,637	30,864	13,591	4,630
Colombia -----	8,034	24,274	7,671	591
Norway -----	16,972	20,281	3,165	9,994
Indonesia -----	28,197	14,899	1,962	6,340
All others-----	137,775	78,549	21,970	13,335
Total-----	4,296,158	4,017,178	963,973	1,139,808
Grand total-----	17,550,846	15,759,229	4,192,614	4,027,486

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	120,429	134,736	44,017	41,340
Austria -----	74,143	72,429	24,236	5,184
Brazil -----	416,532	440,325	98,357	126,940
Czechoslovakia -----	2,590	6,836	2,014	1,569
East Germany -----	12,344	0	0	0
EC countries-----	2,435,907	2,104,939	538,569	492,395
Finland -----	71,959	62,367	17,897	12,969
Hungary -----	8,890	4,919	3,885	1,377
Japan -----	1,873,636	1,725,046	467,299	377,620
Mexico -----	277,758	209,290	69,880	45,445
China -----	32,505	22,276	4,368	8,529
Poland -----	20,230	22,912	5,503	3,500
Romania -----	14,742	16,602	9,774	2,288
Republic of South Africa ----	1,044	419	0	788
Korea -----	691,693	676,737	211,313	172,251
Trinidad and Tobago -----	19,653	14,283	4,595	7,805
Venezuela -----	75,377	40,512	15,863	4,585
Yugoslavia -----	9,459	11,528	3,782	2,085
Total-----	6,158,891	5,566,156	1,521,352	1,306,670
Other countries:				
Canada -----	1,400,384	1,443,179	315,023	418,406
Sweden -----	147,237	139,246	35,478	37,498
Argentina -----	98,635	84,455	33,865	10,736
Taiwan -----	107,541	73,203	27,018	12,256
Turkey -----	45,013	30,927	5,074	8,765
New Zealand -----	42,398	28,240	14,439	4,534
India -----	39,598	15,595	6,567	2,289
Colombia -----	3,243	8,427	2,363	685
Norway -----	10,386	13,041	1,956	4,570
Indonesia -----	11,860	6,132	781	2,402
All others-----	76,171	46,467	11,191	8,852
Total-----	1,982,466	1,888,912	453,755	510,993
Grand total-----	8,141,357	7,455,068	1,975,107	1,817,663

^{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 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	0	0	0
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	20,041	10,749	971	1,010
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,679	2,101	1,226	136
Mexico -----	275	65	16	10
China -----	0	0	0	0
Poland -----	42	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	85	1/	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	22,122	12,915	2,213	1,156
Other countries:				
Canada -----	26,379	21,273	7,510	3,408
Sweden -----	12,320	14,318	4,171	2,650
Soviet Union -----	0	455	0	0
Switzerland -----	0	1/	0	0
Israel -----	0	1/	1/	0
Norway -----	0	1/	0	0
Taiwan -----	1/	1/	1/	0
Total-----	38,699	36,046	11,681	6,058
Grand total-----	60,821	48,961	13,894	7,214

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	0	0	0
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	18,089	17,382	2,223	1,978
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,134	2,744	1,562	169
Mexico -----	656	207	51	33
China -----	0	0	0	0
Poland -----	95	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	86	8	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	21,060	20,341	3,836	2,180
Other countries:				
Canada -----	37,599	28,560	10,611	4,625
Sweden -----	20,774	23,376	7,018	4,203
Soviet Union -----	0	812	0	0
Switzerland -----	0	4	0	0
Israel -----	0	8	4	0
Norway -----	0	1	0	0
Taiwan -----	8	14	14	0
Total-----	58,381	52,775	17,647	8,828
Grand total-----	79,441	73,116	21,483	11,008

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	0	0	0	0
Austria -----	126	464	140	56
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	9,271	11,130	2,213	4,109
Finland -----	6,444	4,884	1,004	478
Hungary -----	0	0	0	0
Japan -----	2,576	2,557	447	808
Mexico -----	0	0	0	0
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	2	0	1,069
Korea -----	545	1,158	544	308
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	18,962	20,195	4,348	6,828
Other countries:				
Sweden -----	1,510	972	125	291
Canada -----	178	247	232	35
Kenya -----	0	66	0	0
India -----	0	18	0	0
Taiwan -----	0	0	0	1/
Total-----	1,688	1,303	357	326
Grand total-----	20,650	21,498	4,705	7,154

See footnote(s) at end of table.

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	0	0	0	0
Austria -----	596	1,819	530	163
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	22,315	28,016	5,153	8,966
Finland -----	13,224	10,334	2,164	890
Hungary -----	0	0	0	0
Japan -----	5,706	5,620	1,031	1,721
Mexico -----	0	0	0	0
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	4	0	1,860
Korea -----	891	1,927	887	527
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	42,732	47,720	9,765	14,127
Other countries:				
Sweden -----	4,193	2,944	432	745
Canada -----	314	456	417	90
Kenya -----	0	111	0	0
India -----	0	43	0	0
Taiwan -----	0	0	0	7
Total-----	4,507	3,554	849	842
Grand total-----	47,239	51,274	10,614	14,969

1/ Less than 0.5 short ton.

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	0	0	0	0
Austria -----	13	67	16	16
Brazil -----	2,239	730	58	536
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	62,089	69,081	21,520	17,194
Finland -----	9,355	3,951	614	919
Hungary -----	0	0	0	0
Japan -----	40,791	40,175	11,917	10,252
Mexico -----	22,362	31,782	5,878	14,480
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	388
Korea -----	6,768	5,002	1,516	2,478
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	20	0	0	0
Total-----	143,637	150,788	41,519	46,263
Other countries:				
Sweden -----	5,529	6,494	1,568	1,199
Canada -----	2,370	3,044	419	2,122
India -----	2,773	325	325	21
Switzerland -----	5	24	0	2
Taiwan -----	0	4	0	1
Singapore -----	28	1/	1/	1/
Total-----	10,705	9,891	2,312	3,345
Grand total-----	154,342	160,679	43,831	49,608

See footnote(s) at end of table.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	0	0	0	0
Austria -----	59	342	92	72
Brazil -----	3,846	1,277	103	900
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	119,032	133,863	42,479	29,731
Finland -----	19,548	8,483	1,345	1,929
Hungary -----	0	0	0	0
Japan -----	79,396	74,484	21,211	20,181
Mexico -----	41,946	56,223	9,644	25,741
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	714
Korea -----	11,926	9,155	2,734	4,303
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	32	0	0	0
Total-----	275,785	283,827	77,608	83,571
Other countries:				
Sweden -----	18,300	21,625	5,156	4,261
Canada -----	6,291	6,966	1,056	4,711
India -----	5,235	522	522	43
Switzerland -----	100	143	0	20
Taiwan -----	0	12	0	11
Singapore -----	124	2	2	1
Total-----	30,050	29,270	6,736	9,047
Grand total-----	305,835	313,097	84,344	92,618

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
			Quantity (short tons)	
VRA countries:				
Australia -----	4	0	0	0
Austria -----	130	136	33	29
Brazil -----	3,318	3,334	471	954
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	10,817	14,349	4,121	2,934
Finland -----	1/	0	0	24
Hungary -----	0	0	0	0
Japan -----	17,777	19,988	5,849	4,306
Mexico -----	19	15	0	0
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	2,610	3,822	1,101	666
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	53	259	88	72
Total-----	34,728	41,903	11,663	8,985
Other countries:				
Canada -----	5,374	5,089	1,271	1,279
Sweden -----	3,308	3,595	807	1,150
India -----	1,084	1,404	247	370
Switzerland -----	15	321	7	81
Taiwan -----	3	125	42	45
United Arab Emirates -----	0	44	0	0
Malaysia -----	0	12	0	0
Israel -----	0	1/	1/	1/
Norway -----	0	1/	0	0
Argentina -----	14	0	0	0
Total-----	9,798	10,590	2,374	2,925
Grand total-----	44,526	52,493	14,037	11,910

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
Value (thousand dollars)				
VRA countries:				
Australia -----	11	0	0	0
Austria -----	378	393	84	83
Brazil -----	7,704	7,410	898	2,208
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	28,981	38,206	11,226	7,216
Finland -----	2	0	0	54
Hungary -----	0	0	0	0
Japan -----	49,418	50,919	15,012	10,675
Mexico -----	39	23	0	0
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea -----	6,270	8,612	2,444	1,393
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	132	609	232	528
Total-----	92,935	106,172	29,896	22,157
Other countries:				
Canada -----	13,577	13,287	3,241	3,024
Sweden -----	8,921	9,287	2,123	3,075
India -----	2,623	3,144	588	815
Switzerland -----	65	1,400	29	373
Taiwan -----	9	288	106	80
United Arab Emirates -----	0	94	0	0
Malaysia -----	0	19	0	0
Israel -----	0	12	12	17
Norway -----	0	1	0	0
Argentina -----	28	0	0	0
Total-----	25,223	27,532	6,099	7,384
Grand total-----	118,158	133,704	35,995	29,541

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	3	3	0
Brazil -----	1,413	1,671	479	538
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	10,772	11,898	2,853	2,689
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,195	4,574	1,013	1,777
Mexico -----	0	0	0	0
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea -----	861	1,604	462	174
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	18,241	19,750	4,810	5,178
Other countries:				
Sweden -----	4,621	4,244	1,396	912
India -----	97	1,729	249	1,167
Taiwan -----	0	126	126	0
Canada -----	168	48	0	0
Total-----	4,886	6,147	1,771	2,079
Grand total-----	23,127	25,897	6,581	7,257

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	60	60	0
Brazil -----	2,774	3,000	759	975
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	27,607	29,757	7,344	6,183
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,460	10,044	2,189	3,527
Mexico -----	0	0	0	0
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea -----	1,807	2,978	877	296
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	43,648	45,839	11,229	10,981
Other countries:				
Sweden -----	11,714	10,708	3,679	2,083
India -----	190	3,144	470	1,981
Taiwan -----	0	252	252	0
Canada -----	451	113	0	0
Total-----	12,355	14,217	4,401	4,064
Grand total-----	56,003	60,056	15,630	15,045

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	1/	4	1/	0
Austria -----	1	8	2	6
Brazil -----	446	321	221	2
Czechoslovakia -----	0	4	4	0
East Germany -----	0	0	0	0
EC countries-----	6,443	6,070	1,415	1,696
Finland -----	0	10	1/	0
Hungary -----	0	0	0	0
Japan -----	3,393	2,677	845	569
Mexico -----	0	20	7	1/
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	619	778	292	233
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	10,902	9,892	2,786	2,506
Other countries:				
Sweden -----	2,051	2,531	589	758
Canada -----	2,404	2,156	548	563
Taiwan -----	867	1,441	344	468
Switzerland -----	284	591	45	125
India -----	1,613	337	169	82
Thailand -----	175	105	44	12
Israel -----	0	1/	1/	0
New Zealand -----	9	1/	0	0
Singapore -----	1/	0	0	0
Chile -----	21	0	0	0
Total-----	7,424	7,161	1,739	2,008
Grand total-----	18,326	17,053	4,525	4,514

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	97	151	45	0
Austria -----	11	32	13	15
Brazil -----	959	572	390	14
Czechoslovakia -----	0	17	17	0
East Germany -----	0	0	0	0
EC countries-----	24,110	22,369	5,451	6,356
Finland -----	0	182	46	0
Hungary -----	0	0	0	0
Japan -----	13,471	10,894	3,147	2,532
Mexico -----	0	33	18	2
China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	2,291	2,662	952	692
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	40,939	36,912	10,079	9,611
Other countries:				
Sweden -----	10,629	12,738	3,053	3,603
Canada -----	11,424	10,451	2,584	2,311
Taiwan -----	2,818	4,902	1,157	1,430
Switzerland -----	1,318	2,964	222	518
India -----	3,987	772	335	157
Thailand -----	617	392	160	55
Israel -----	0	10	5	0
New Zealand -----	18	3	0	0
Singapore -----	6	0	0	0
Chile -----	19	0	0	0
Total-----	30,836	32,232	7,516	8,074
Grand total-----	71,775	69,144	17,595	17,685

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	1/	7	3	0
Austria -----	929	441	132	228
Brazil -----	0	2	0	1
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	14,525	11,554	2,808	3,198
Finland -----	0	2	0	0
Hungary -----	0	0	0	0
Japan -----	8,787	11,333	3,453	2,486
Mexico -----	597	511	101	111
China -----	486	228	136	4
Poland -----	0	1/	0	1/
Romania -----	0	1,993	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	3,470	5,391	2,223	645
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	10	0	0
Yugoslavia -----	0	1/	0	0
Total-----	28,794	31,472	8,856	6,673
Other countries:				
Taiwan -----	8,216	9,333	2,755	1,672
Canada -----	5,711	4,479	1,094	754
Singapore -----	1,038	1,529	333	425
Sweden -----	3,225	908	265	189
Thailand -----	152	191	0	65
Malaysia -----	0	159	0	349
Hong Kong -----	11	114	0	0
Switzerland -----	6	25	16	2
India -----	66	6	2	5
Argentina -----	1/	3	0	2
All others-----	1/	1/	0	0
Total-----	18,425	16,747	4,465	3,463
Grand total-----	47,219	48,219	13,321	10,136

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
VRA countries:				
Australia -----	2	33	13	0
Austria -----	6,665	3,317	1,144	1,306
Brazil -----	0	6	0	4
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	44,642	51,152	12,510	13,397
Finland -----	0	25	0	0
Hungary -----	0	0	0	0
Japan -----	48,830	58,367	16,563	13,230
Mexico -----	2,439	1,558	353	325
China -----	1,293	604	363	11
Poland -----	0	11	0	11
Romania -----	0	717	0	0
Republic of South Africa -----	0	0	0	0
Korea -----	9,796	14,995	6,177	1,609
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	45	0	0
Yugoslavia -----	0	3	0	0
Total-----	113,667	130,833	37,123	29,893
Other countries:				
Taiwan -----	25,477	27,692	8,087	4,925
Canada -----	29,198	24,198	6,244	4,188
Singapore -----	3,040	4,343	983	1,168
Sweden -----	14,203	5,827	1,655	1,089
Thailand -----	320	475	0	148
Malaysia -----	0	414	0	898
Hong Kong -----	26	264	0	0
Switzerland -----	250	380	134	32
India -----	349	44	11	25
Argentina -----	7	27	0	9
All others-----	10	9	0	0
Total-----	72,880	63,673	17,114	12,482
Grand total-----	186,547	194,506	54,237	42,375

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	537	0	0	0
Austria -----	2,810	4,139	1,494	483
Brazil -----	2,542	2,766	451	1,588
Czechoslovakia -----	0	230	114	0
East Germany -----	2	0	0	0
EC countries-----	14,247	13,818	3,962	3,371
Finland -----	0	172	0	1/
Hungary -----	0	0	0	0
Japan -----	4,015	4,291	960	1,093
Mexico -----	230	83	0	80
China -----	74	299	60	1/
Poland -----	289	276	59	14
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea -----	694	254	52	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	313	99	40	0
Yugoslavia -----	0	0	0	0
Total-----	25,753	26,427	7,192	6,629
Other countries:				
Canada -----	7,142	12,371	4,099	1,446
Sweden -----	6,247	6,246	1,591	1,754
Colombia -----	0	62	0	0
Soviet Union -----	0	45	0	0
Norway -----	0	6	0	0
Switzerland -----	0	1/	1/	0
Argentina -----	42	0	0	0
Taiwan -----	0	0	0	12
India -----	54	0	0	0
Philippines -----	66	0	0	0
Total-----	13,551	18,730	5,690	3,212
Grand total-----	39,304	45,157	12,882	9,841

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	1,209	0	0	0
Austria -----	8,167	10,583	3,926	1,218
Brazil -----	4,166	3,784	577	987
Czechoslovakia -----	0	231	160	0
East Germany -----	8	0	0	0
EC countries -----	31,445	23,724	6,836	5,156
Finland -----	0	55	0	10
Hungary -----	0	0	0	0
Japan -----	9,901	9,010	2,068	2,462
Mexico -----	301	105	0	98
China -----	108	380	47	8
Poland -----	861	712	180	57
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea -----	1,442	408	99	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	428	127	54	0
Yugoslavia -----	0	0	0	0
Total-----	58,036	49,119	13,947	9,996
Other countries:				
Canada -----	10,490	8,408	2,572	1,745
Sweden -----	18,915	21,035	5,171	5,901
Colombia -----	0	145	0	0
Soviet Union -----	0	49	0	0
Norway -----	0	146	0	0
Switzerland -----	0	1	1	0
Argentina -----	76	0	0	0
Taiwan -----	0	0	0	21
India -----	107	0	0	0
Philippines -----	191	0	0	0
Total-----	29,779	29,784	7,744	7,667
Grand total-----	87,815	78,903	21,691	17,663

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
VRA countries:				
Australia -----	543	11	3	0
Austria -----	4,009	5,258	1,820	817
Brazil -----	9,958	8,823	1,680	3,620
Czechoslovakia -----	0	234	119	0
East Germany -----	2	0	0	0
EC countries-----	148,205	148,650	39,863	36,201
Finland -----	15,800	9,018	1,618	1,422
Hungary -----	0	0	0	0
Japan -----	84,212	87,696	25,711	21,426
Mexico -----	23,483	32,476	6,003	14,681
China -----	560	527	196	5
Poland -----	331	276	59	14
Romania -----	0	1,993	0	0
Republic of South Africa ----	0	2	0	1,457
Korea -----	15,653	18,010	6,191	4,505
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	313	109	40	0
Yugoslavia -----	73	260	88	72
Total-----	303,142	313,343	83,391	84,220
Other countries:				
Canada -----	49,727	48,708	15,173	9,608
Sweden -----	38,812	39,308	10,511	8,903
Taiwan -----	9,087	11,030	3,268	2,199
India -----	5,686	3,818	992	1,645
Singapore -----	1,066	1,529	334	425
Switzerland -----	310	961	67	209
Soviet Union -----	0	499	0	0
Thailand -----	327	296	44	77
Malaysia -----	0	171	0	349
Hong Kong -----	11	114	0	0
All others-----	154	183	0	2
Total-----	105,180	106,617	30,389	23,417
Grand total-----	408,322	419,960	113,780	107,637

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January--March	
			1991	1992
			Value (thousand dollars)	
VRA countries:				
Australia -----	1,318	184	58	0
Austria -----	15,877	16,547	5,848	2,857
Brazil -----	19,449	16,050	2,727	5,088
Czechoslovakia -----	0	249	177	0
East Germany -----	8	0	0	0
EC countries-----	316,222	344,470	93,222	78,983
Finland -----	32,775	19,080	3,554	2,883
Hungary -----	0	0	0	0
Japan -----	220,316	222,082	62,784	54,496
Mexico -----	45,380	58,149	10,067	26,198
China -----	1,401	984	410	19
Poland -----	956	722	180	69
Romania -----	0	717	0	0
Republic of South Africa ----	0	4	0	2,574
Korea -----	34,510	40,746	14,170	8,820
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	428	172	54	0
Yugoslavia -----	164	612	232	528
Total-----	688,804	720,768	193,483	182,515
Other countries:				
Canada -----	109,343	92,439	26,726	20,693
Sweden -----	107,648	107,540	28,287	24,958
Taiwan -----	28,312	33,159	9,615	6,474
India -----	12,490	7,669	1,927	3,022
Singapore -----	3,170	4,345	985	1,170
Switzerland -----	1,732	4,893	386	942
Soviet Union -----	0	862	0	0
Thailand -----	937	867	160	203
Malaysia -----	0	433	0	898
Hong Kong -----	26	264	0	0
All others-----	350	568	21	26
Total-----	264,008	253,039	68,107	58,386
Grand total-----	952,812	973,807	261,590	240,901

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, 1990, 1991, and by specified periods, 1991 and 1992

(Per short ton)

Item	1990	1991	January-March	
			1991	1992
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	234	253	253	236
Plate-----	366	358	345	333
Sheet and strip:				
Hot rolled-----	328	316	323	306
Cold rolled-----	498	485	485	487
Galvanized-----	581	544	547	675
Tin plate-----	616	624	626	626
Tin free-----	581	606	606	630
Other coated-----	643	619	601	583
Average, sheet and strip--	471	454	460	475
Bar:				
Hot finished-----	463	462	487	459
Cold finished-----	684	701	697	738
Reinforcing-----	316	319	336	236
Light shapes-----	336	328	335	320
Average, bar-----	460	467	490	451
Wire rod-----	356	359	379	338
Wire-----	748	743	754	782
Wire products-----	996	1,030	1,043	1,018
Structural shapes and units:				
Heavy structurals-----	359	403	398	362
Fabricated structurals-----	1,371	1,373	1,338	1,173
Average, structurals-----	467	539	505	468
Rails and related products---	390	441	468	499
Pipe and tube:				
Oil country tubular goods--	720	755	741	860
Line pipe-----	510	597	562	556
Mechanical pipe-----	891	921	920	866
Structural pipe-----	538	519	526	496
Pressure tubing-----	1,093	1,081	1,193	936
Other (incl. standard)-----	503	522	490	519
Average, pipe and tube---	579	618	593	582
Average, carbon and certain alloy 1/ steel--	464	473	471	451

See footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1990, 1991, and by specified periods, 1991 and 1992

(Per short ton)

Item	1990	1991	January-March	
			1991	1992
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	1,306	1,493	1,546	1,526
Plate-----	2,288	2,385	2,256	2,092
Sheet and strip:				
Sheet-----	1,819	1,771	1,762	1,698
Strip-----	3,088	3,178	3,115	3,221
Average, sheet and strip:	1,982	1,949	1,924	1,867
Bars and shapes-----	2,654	2,547	2,564	2,481
Wire rod-----	2,421	2,319	2,375	2,073
Wire-----	3,916	4,054	3,887	3,917
Pipe and tube-----	3,951	4,034	4,072	4,180
Alloy tool steel (all forms)-	2,234	1,747	1,684	1,794
Average, stainless and alloy steel-----	2,333	2,319	2,299	2,238

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January-March	
			1991	1992
			Quantity (short tons)	
Carbon and certain alloy <u>3</u> / steel:				
Semifinished <u>2</u> / Ingots-----	65,400	2,706	2,120	424
Blooms and billets-----	488,780	586,127	199,305	165,770
Slabs and sheet bars-----	1,747,818	1,407,776	380,631	476,900
Total-----	2,301,998	1,996,610	582,056	643,094
Plate:				
Carbon-----	1,420,427	1,144,460	330,210	330,305
Alloy-----	131,644	125,105	25,374	43,268
Total-----	1,552,071	1,269,565	355,584	373,573
Sheet and strip:				
Hot rolled:				
Sheet-----	2,211,426	2,064,770	517,424	542,302
Strip-----	96,349	105,520	19,348	39,438
Cold rolled:				
Black plate-----	146,079	129,488	28,949	33,607
Electrical-----	76,163	81,976	18,787	22,837
Other sheet-----	1,799,888	1,614,662	426,107	395,711
Other strip-----	112,905	115,392	25,225	34,701
Galvanized-----	1,649,264	1,519,936	434,925	345,114
Tin plate-----	313,549	311,322	67,446	73,537
Tin free-----	114,045	114,267	26,880	36,035
Other coated-----	192,491	189,857	53,808	67,906
Total-----	6,712,159	6,247,191	1,618,899	1,591,189
Bar:				
Hot rolled:				
Carbon-----	464,375	421,611	70,301	69,392
Alloy-----	202,466	231,736	55,609	64,979
Cold rolled:				
Carbon-----	91,358	79,946	21,395	18,261
Alloy-----	44,295	38,520	13,664	8,654
Reinforcing-----	147,882	107,344	23,846	31,820
Light structural shapes-----	84,880	64,689	20,091	14,930
Total-----	1,035,255	943,845	204,906	208,037

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January-March	
			1991	1992
			Quantity (short tons)	
Wire rod and related products:				
Wire rod:				
Carbon-----	936,837	800,363	151,512	289,332
Alloy-----	19,276	20,663	6,678	6,792
Wire:				
Carbon-----	375,454	337,141	85,235	89,779
Alloy-----	38,555	37,609	9,019	9,445
Wire products:				
Nails-----	373,685	286,915	63,424	81,589
Barbed wire-----	15,350	11,167	3,836	3,344
Wire fencing-----	46,164	36,793	9,537	11,128
Bale ties-----	696	497	126	134
Wire strand-----	152,051	102,065	26,311	30,823
Wire rope-----	72,380	74,402	20,632	19,201
Milliners wire-----	0	0	0	1/
Total-----	2,030,446	1,707,616	376,310	541,566
Structurals:				
Heavy-----	911,556	519,377	157,974	137,357
Fabricated-----	109,037	84,984	20,243	20,541
Total-----	1,020,593	604,361	178,218	157,898
Rails and related products:				
Rails-----	301,410	254,189	65,398	64,945
Joint bars and tie plates-----	10,205	12,991	4,354	1,923
Track spikes-----	2,602	3,352	799	852
Wheels and axles-----	35,337	33,064	6,333	13,772
Total-----	349,555	303,596	76,884	81,492
Pipes and tubes:				
Oil country tubular goods-----	387,602	412,503	135,142	25,048
Line pipe-----	695,930	1,003,500	282,094	130,248
Mechanical pipe-----	186,242	169,257	49,572	37,104
Structural pipe-----	275,432	209,824	55,869	56,451
Pressure tubing-----	38,044	35,282	7,249	5,281
Other (including standard)-----	965,519	856,077	269,833	176,505
Total-----	2,548,769	2,686,443	799,760	430,638

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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January-March	
			1991	1992
			Quantity (short tons)	
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	273	2,702	522	32
Blooms and billets-----	41,560	32,516	10,013	4,729
Slabs and sheet bars-----	18,989	13,744	3,359	2,453
Total-----	60,822	48,962	13,895	7,214
Plate-----	20,651	21,498	4,705	7,155
Sheet and strip:				
Sheet:				
Hot rolled-----	6,822	4,699	1,455	2,714
Cold rolled-----	127,779	135,735	37,118	41,406
Strip-----	19,741	20,246	5,260	5,490
Total-----	154,342	160,680	43,833	49,610
Bars and shapes-----	44,526	52,493	14,038	11,907
Wire rod-----	23,128	25,897	6,581	7,257
Wire-----	18,328	17,054	4,526	4,515
Pipe and tube-----	47,220	48,218	13,321	10,137
Alloy tool steel (all forms):				
Semifinished 2/-----	3,260	10,608	3,879	1,613
Bars-----	26,843	25,407	5,930	5,805
Other-----	9,201	9,143	3,074	2,425
Total-----	39,304	45,158	12,882	9,843

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, 1990, 1991, and by specified periods, 1991 and 1992

Item	1990	1991	January-March	
			1991	1992
Share of product group totals (percent)				

Carbon and certain alloy <u>3</u> / steel:				
Semifinished <u>2</u> / Ingot-----	2.84	0.14	0.36	0.07
Blooms and billets-----	21.23	29.36	34.24	25.78
Slabs and sheet bars-----	75.93	70.51	65.39	74.16
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	91.52	90.15	92.86	88.42
Alloy-----	8.48	9.85	7.14	11.58
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	32.95	33.05	31.96	34.08
Strip-----	1.44	1.69	1.20	2.48
Cold rolled:				
Black plate-----	2.18	2.07	1.79	2.11
Electrical-----	1.13	1.31	1.16	1.44
Other sheet-----	26.82	25.85	26.32	24.87
Other strip-----	1.68	1.85	1.56	2.18
Galvanized-----	24.57	24.33	26.87	21.69
Tin plate-----	4.67	4.98	4.17	4.62
Tin free-----	1.70	1.83	1.66	2.26
Other coated-----	2.87	3.04	3.32	4.27
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	44.86	44.67	34.31	33.36
Alloy-----	19.56	24.55	27.14	31.23
Cold rolled:				
Carbon-----	8.82	8.47	10.44	8.78
Alloy-----	4.28	4.08	6.67	4.16
Reinforcing-----	14.28	11.37	11.64	15.30
Light structural shapes-----	8.20	6.85	9.80	7.18
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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Item	1990	1991	January-March	
			1991	1992
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	46.14	46.87	40.26	53.43
Alloy-----	0.95	1.21	1.77	1.25
Wire:				
Carbon-----	18.49	19.74	22.65	16.58
Alloy-----	1.90	2.20	2.40	1.74
Wire products:				
Nails-----	18.40	16.80	16.85	15.07
Barbed wire-----	0.76	0.65	1.02	0.62
Wire fencing-----	2.27	2.15	2.53	2.05
Bale ties-----	0.03	0.03	0.03	0.02
Wire strand-----	7.49	5.98	6.99	5.69
Wire rope-----	3.56	4.36	5.48	3.55
Milliners wire-----	0.00	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.32	85.94	88.64	86.99
Fabricated-----	10.68	14.06	11.36	13.01
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	86.23	83.73	85.06	79.69
Joint bars and tie plates-----	2.92	4.28	5.66	2.36
Track spikes-----	0.74	1.10	1.04	1.05
Wheels and axles-----	10.11	10.89	8.24	16.90
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	15.21	15.35	16.90	5.82
Line pipe-----	27.30	37.35	35.27	30.25
Mechanical pipe-----	7.31	6.30	6.20	8.62
Structural pipe-----	10.81	7.81	6.99	13.11
Pressure tubing-----	1.49	1.31	0.91	1.23
Other (including standard)-----	37.88	31.87	33.74	40.99
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, 1990, 1991, and by specified periods, 1991 and 1992--Continued

	:	:	:	January-March	
	:	:	:		
	:	:	:		
Item	:	1990	:	1991	:
	:		:		:
	:		:		:
	:		:	1991	:
	:		:		1992
	:	Share of product group totals (percent)			
	:				
Stainless and alloy tool steel:	:		:		:
Stainless:	:		:		:
Semifinished:	:		:		:
Ingots-----	:	0.45	:	5.52	:
Blooms and billets-----	:	68.33	:	66.41	:
Slabs and sheet bars-----	:	31.22	:	28.07	:
Total-----	:	100.00	:	100.00	:
Plate-----	:	100.00	:	100.00	:
Sheet and strip:	:		:		:
Sheet:	:		:		:
Hot rolled-----	:	4.42	:	2.92	:
Cold rolled-----	:	82.79	:	84.48	:
Strip-----	:	12.79	:	12.60	:
Total-----	:	100.00	:	100.00	:
Bars and shapes-----	:	100.00	:	100.00	:
Wire rod-----	:	100.00	:	100.00	:
Wire-----	:	100.00	:	100.00	:
Pipe and tube-----	:	100.00	:	100.00	:
Alloy tool steel (all forms):	:		:		:
Semifinished 2/-----	:	8.30	:	23.49	:
Bars-----	:	68.30	:	56.26	:
Other-----	:	23.41	:	20.25	:
Total-----	:	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, 1990, 1991, and by
specified periods, 1991 and 1992

(Short tons)

Item	1990	1991	January-March	
			1991	1992
Atlantic Coast-----	2,904,126	2,749,851	1,011,666	925,117
Great Lakes-Canadian border----	5,758,953	5,008,112	769,165	1,014,961
Gulf Coast-Mexican border-----	4,609,650	4,346,274	1,444,134	1,129,351
Off-shore-----	308,790	266,550	75,681	69,933
Pacific Coast-----	4,377,647	3,808,401	1,005,751	995,762
Total-----	17,959,166	16,179,187	4,306,397	4,135,124

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, 1990, 1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1990	1991	January-March	
			1991	1992
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	172,652	215,983	85,378	70,746
Plate-----	215,847	197,091	78,998	64,083
Sheet and strip-----	1,189,938	1,256,840	525,878	463,262
Bars and certain shapes-----	102,207	75,641	24,490	26,046
Wire rod-----	185,722	150,070	32,828	63,441
Wire-----	76,338	56,557	15,570	15,124
Wire products-----	211,516	142,681	33,867	42,811
Structural shapes and units--	192,938	91,410	22,916	31,206
Rails and related products--	26,018	27,479	10,592	11,130
Pipe and tube-----	360,166	366,681	129,103	91,958
Total-----	2,733,343	2,580,435	959,620	879,808
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	21,028	14,741	5,109	2,723
Plate-----	9,071	7,984	1,921	4,260
Sheet and strip-----	55,716	60,363	20,567	16,439
Bars and certain shapes-----	19,501	23,850	6,836	5,796
Wire rod-----	17,513	18,497	4,795	5,687
Wire-----	10,169	9,195	2,770	2,172
Pipe and tube-----	18,163	15,230	4,179	3,212
Tool steel (all forms)-----	19,621	19,555	5,869	5,020
Total-----	170,783	169,415	52,046	45,310
Grand Total-----	2,904,126	2,749,851	1,011,666	925,117

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, 1990, 1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1990	1991	January-March	
			1991	1992
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	376,130	147,430	29,809	15,779
Plate-----	578,160	481,880	60,540	115,384
Sheet and strip-----	2,380,594	2,134,104	228,634	338,472
Bars and certain shapes-----	590,935	557,758	85,244	118,096
Wire rod-----	387,724	394,153	63,944	121,748
Wire-----	202,258	197,111	49,495	54,613
Wire products-----	96,089	87,258	18,104	24,399
Structural shapes and units---	399,695	267,925	70,855	61,937
Rails and related products---	196,840	125,448	29,457	29,575
Pipe and tube-----	446,874	517,406	108,447	115,785
Total-----	5,655,302	4,910,472	744,529	995,788
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	26,516	21,834	7,611	3,408
Plate-----	5,084	3,143	655	505
Sheet and strip-----	33,840	26,619	5,119	6,811
Bars and certain shapes-----	8,597	9,236	1,822	2,302
Wire rod-----	1,064	1,866	283	266
Wire-----	4,816	5,214	1,199	1,593
Pipe and tube-----	7,942	7,264	1,713	1,452
Tool steel (all forms)-----	15,794	22,463	6,233	2,836
Total-----	103,651	97,639	24,636	19,173
Grand Total-----	5,758,953	5,008,112	769,165	1,014,961

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, 1990, 1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1990	1991	January-March	
			1991	1992
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	616,184	603,254	223,379	176,663
Plate-----	626,168	490,505	186,218	168,676
Sheet and strip-----	1,224,313	1,199,857	424,752	347,542
Bars and certain shapes-----	124,950	150,691	56,107	28,464
Wire rod-----	217,475	197,187	38,916	86,205
Wire-----	53,333	44,736	11,854	10,075
Wire products-----	175,874	133,800	36,105	42,408
Structural shapes and units--	197,391	128,798	49,681	41,090
Rails and related products--	55,424	61,407	22,571	34,628
Pipe and tube-----	1,236,295	1,233,240	372,164	162,303
Total-----	4,527,407	4,243,474	1,421,748	1,098,053
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	13,275	11,879	1,053	1,082
Plate-----	3,456	6,799	1,182	1,650
Sheet and strip-----	38,277	52,899	12,165	20,010
Bars and certain shapes-----	8,266	10,425	2,822	1,904
Wire rod-----	1,824	2,142	539	422
Wire-----	2,162	1,848	347	608
Pipe and tube-----	12,488	15,145	3,839	3,977
Tool steel (all forms)-----	2,495	1,663	439	1,643
Total-----	82,243	102,799	22,386	31,297
Grand Total-----	4,609,650	4,346,274	1,444,134	1,129,351

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, 1990, 1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1990	1991	January-March	
			1991	1992
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	3/	0	0	0
Plate-----	6,085	5,349	2,096	384
Sheet and strip-----	99,978	65,563	13,445	27,431
Bars and certain shapes-----	115,415	99,676	24,050	22,770
Wire rod-----	15,574	12,199	7,425	4,362
Wire-----	12,654	13,339	2,804	2,998
Wire products-----	8,213	5,953	2,216	1,490
Structural shapes and units--	12,233	11,587	3,227	1,441
Rails and related products--	624	439	30	127
Pipe and tube-----	37,894	49,995	19,304	8,865
Total-----	308,669	264,100	74,595	69,869
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	0	0	0	0
Sheet and strip-----	20	0	0	0
Bars and certain shapes-----	10	0	0	3/
Wire rod-----	0	0	0	0
Wire-----	64	64	21	0
Pipe and tube-----	8	2,386	1,065	65
Tool steel (all forms)-----	19	0	0	0
Total-----	120	2,450	1,086	65
Grand Total-----	308,790	266,550	75,681	69,933

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, 1990, 1991, and by specified periods, 1991 and 1992

(Short tons)

Item	1990	1991	January-March	
			1991	1992
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	1,137,032	1,029,943	243,490	379,905
Plate-----	125,811	94,740	27,733	25,046
Sheet and strip-----	1,817,335	1,590,827	426,190	414,483
Bars and certain shapes-----	101,747	60,079	15,015	12,661
Wire rod-----	149,617	67,417	15,078	20,369
Wire-----	69,425	63,008	14,531	16,414
Wire products-----	168,632	142,147	33,574	35,110
Structural shapes and units--	218,336	104,641	31,539	22,223
Rails and related products--	70,650	88,822	14,235	6,033
Pipe and tube-----	467,540	519,121	170,742	51,727
Total-----	4,326,124	3,760,745	992,125	983,970
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	3	507	123	0
Plate-----	3,039	3,574	946	740
Sheet and strip-----	26,489	20,799	5,982	6,350
Bars and certain shapes-----	8,152	8,981	2,558	1,904
Wire rod-----	2,728	3,392	964	883
Wire-----	1,117	733	188	142
Pipe and tube-----	8,619	8,193	2,524	1,431
Tool steel (all forms)-----	1,376	1,478	341	343
Total-----	51,523	47,657	13,626	11,792
Grand Total-----	4,377,647	3,808,401	1,005,751	995,762

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

SAM M. GIBBONS, FLORIDA
J.J. PICKLE, TEXAS
CHARLES B. RANGEL, NEW YORK
FORTNEY PETE STARK, CALIFORNIA
ANDY JACOBS, JR., INDIANA
HAROLD FORD, TENNESSEE
ED JENKINS, GEORGIA
THOMAS J. DOWNNEY, NEW YORK
FRANK J. GUARINI, NEW JERSEY
MARTY RUSSO, ILLINOIS
DON J. PEASE, OHIO
ROBERT T. MATSUI, CALIFORNIA
BERYL ANTHONY, JR., ARKANSAS
RONNIE G. FLIPPO, ALABAMA
BYRON L. DORGAN, NORTH DAKOTA
BARBARA B. KENNELLY, CONNECTICUT
BRIAN J. DONNELLY, MASSACHUSETTS
WILLIAM J. COYNE, PENNSYLVANIA
MICHAEL A. ANDREWS, TEXAS
SANDER M. LEVIN, MICHIGAN
JIM MOODY, WISCONSIN
BENJAMIN L. CARDIN, MARYLAND

BILL ARCHER, TEXAS
GUY VANDER JAGT, MICHIGAN
PHILIP M. CRANE, ILLINOIS
BILL FRENZEL, MINNESOTA
DICK SCHULZE, PENNSYLVANIA
BILL GRADISON, OHIO
WILLIAM M. THOMAS, CALIFORNIA
RAYMOND J. McGRATH, NEW YORK
MARK BROWN, COLORADO
ROD CHANDLER, WASHINGTON
E. CLAY SHAW, JR., FLORIDA
DON SUNDQUIST, TENNESSEE
NANCY L. JOHNSON, CONNECTICUT

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILIP D. MOSELEY, MINORITY CHIEF OF STAFF

COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES

WASHINGTON, DC 20515

November 27, 1989

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

DR/jn

28:1d 9 DEC 68

RECEIVED

RECEIVED
OFFICE OF THE CHAIRMAN
DEC 6
ALL: 07

SOCKET NUMBER
1541
Office of the Secretary Int'l Trade Commission

B-1

Appendix B

Letter from the Honorable Dan Rostenkowski, Chairman of the Committee
on Ways and Means, U.S. House of Representatives, Concerning
the Change in Publication Frequency

ONE HUNDRED FIRST CONGRESS
DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

SAM M. GIBBONS, FLORIDA	BILL ARCHER, TEXAS
J.J. PICKLE, TEXAS	GUY VANDER JAGT, MICHIGAN
CHARLES B. RANGEL, NEW YORK	PHILIP M. CRANE, ILLINOIS
FORTNEY PETE STARK, CALIFORNIA	BILL FRENZEL, MINNESOTA
ANDY JACOBS, JR., INDIANA	DICK SCHULZE, PENNSYLVANIA
HAROLD FORD, TENNESSEE	BILL GRADISON, OHIO
ED JENKINS, GEORGIA	WILLIAM M. THOMAS, CALIFORNIA
THOMAS J. DOWNEY, NEW YORK	RAYMOND J. McGRATH, NEW YORK
FRANK J. GUARINI, NEW JERSEY	HANK BROWN, COLORADO
MARTY RUSSO, ILLINOIS	ROD CHANDLER, WASHINGTON
DON J. PEASE, OHIO	E. CLAY SHAW, JR., FLORIDA
ROBERT T. MATSUI, CALIFORNIA	DON SUNDQUIST, TENNESSEE
BERYL ANTHONY, JR., ARKANSAS	NANCY L. JOHNSON, CONNECTICUT
RONNIE G. FLIPPO, ALABAMA	
BYRON L. DORGAN, NORTH DAKOTA	
BARBARA B. KENNELLY, CONNECTICUT	
BRIAN J. DONNELLY, MASSACHUSETTS	
WILLIAM J. COYNE, PENNSYLVANIA	
MICHAEL A. ANDREWS, TEXAS	
SANDER M. LEVIN, MICHIGAN	
JIM MOODY, WISCONSIN	
BENJAMIN L. CARDIN, MARYLAND	

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILIP D. MOSELEY, MINORITY CHIEF OF STAFF

COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES
WASHINGTON, DC 20515

November 7, 1990

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

Dear Madam Chairman:

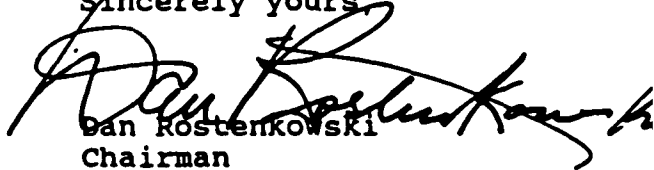
It has come to my attention that, in light of budget considerations and the scheduled termination in March 1992 of the steel voluntary restraint arrangements, you have recommended that publication of the Monthly Report on the Status of the Steel Industry (Investigation No. 332-226 under section 332 of the Tariff Act of 1930) be changed to a quarterly basis. The Committee on Ways and Means has no objection to such a change.

To reflect this change, the report's title should be changed to "Quarterly Report on the Status of the Steel Industry." The report should contain the same annual information, and year-to-date cumulative data for the current and past year. Under a quarterly publication schedule, the steel reports should be published in March, June, September, and December of each year, beginning in 1991. The final report in June 1992 should include data through March of that year.

If at any time the Committee determines that monthly publication is again required, it will make a request to that effect in writing.

Thank you for your cooperation in this matter.

Sincerely yours


Dan Rostenkowski
Chairman

DR/jnj

C-1

Appendix C

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-276 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-M

[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 678.3535 and 678.3545 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

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-M

[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 20438.

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 28, 1989.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-195 Filed 1-3-90; 8:45 am]

BILLING CODE 7020-02-M

[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 20438, 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.

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.

D-1

Appendix D

Notice of Change in Publication Frequency of Reports on the Status
of the Steel Industry in the Federal Register

On November 28, 1990, the Commission received a letter from Ambassador Carla A. Hills, the United States Trade Representative, stating that "We have concluded that we do not need further information on this subject at this time. Therefore, in the interest of conserving the Commission's resources, the investigation may be terminated at this time. A final report will not be needed."

Issued: December 3, 1990.

By Order of the Commission.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-29114 Filed 12-11-90; 8:45 am]
BILLING CODE 7020-02-M

[332-226]

Quarterly Report on the Status of the Steel Industry

AGENCY: United States International Trade Commission.

ACTION: Change in publication frequency of reports on the status of the steel industry.

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

Background

In response to a letter on November 9, 1990, from the Chairman, Committee on Ways and Means, U.S. House of Representatives, the Commission approved a change in the frequency of publication of the reports on the status of the steel industry (investigation No. 332-226) from monthly to quarterly.

To reflect this change, the report's title will be changed to "Quarterly Report on the Status of the Steel Industry." The report will contain the same annual information, and year-to-date cumulative data for the current and past year. Under the quarterly publication schedule, reports will be published in March, June, September, and December during 1991, and in March and June during 1992.

The Committee has noted that if at any time it determines that monthly publication is again required, it will make a request to that effect to the Commission in writing.

Notice of the institution of the investigation and of the initial series of reports was published in the *Federal Register* on April 23, 1986 (51 FR 15390). Notice of continuation of the investigation was published in the *Federal Register* on January 4, 1990 (55 FR 372).

Hearing impaired individuals are advised that information on this matter can be obtained by contacting the Commission's TDD terminal on (202) 252-1810.

Issued: November 30, 1990.

By order of the Commission.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-29115 Filed 12-11-90; 8:45 am]
BILLING CODE 7020-02-M

INTERSTATE COMMERCE COMMISSION

[Finance Docket No. 31778]

Dallas Area Rapid Transit Control Exemption, Dallas Area Rapid Transit Property Acquisition Corp.

AGENCY: Interstate Commerce Commission.

ACTION: Notice of exemption.

SUMMARY: The Commission exempts from the prior approval requirements of 49 U.S.C. 11343 *et seq.* Dallas Area Rapid Transit's continuance in control of Dallas Area Rapid Transit Property Acquisition Corporation, subject to standard labor protective conditions.

DATES: The exemption will be effective December 15, 1990. Petitions for reconsideration must be filed by January 2, 1991.

ADDRESSES: Send pleadings referring to Finance Docket No. 31778 to:

- (1) Office of the Secretary, Case Control Branch, Interstate Commerce Commission, Washington, DC 20423
- (2) DART's representatives:
Lonnie E. Blaydes, Jr., Dallas Area Rapid Transit, 601 Pacific Area, Dallas, TX 75202
Peter A. Gilbertson, Kevin M. Sheys, Weiner, McCaffrey, Brodsky, Kaplan & Levin, P.C., Suite 800, 1350 New York Avenue NW, Washington, DC 20005-4797.

FOR FURTHER INFORMATION CONTACT: Joseph H. Dettmar, (202) 275-7245. [TDD for hearing impaired (202) 275-1721.]

SUPPLEMENTARY INFORMATION: Additional information is contained in the Commission's decision. To purchase a copy of that decision, write to, call, or pick up in person from: Dynamic Concepts, Inc., Room 2229, Interstate Commerce Commission Building, Washington, DC 20423. Telephone: (202) 289-4357/4359. [Assistance for the hearing impaired is available through TDD services (202) 275-1721.]

Decided: December 8, 1990.

By the Commission, Chairman, Philbin, Vice Chairman Phillips, Commissioners Simmons, Emmett, and McDonald:
Sidney L. Strickland, Jr.,
Secretary.

[FR Doc. 90-29196 Filed 12-11-90; 8:45 am]
BILLING CODE 7035-01-M

[No. 37063¹]

Increased Rates in Coal, L&N RR

October 31, 1978.

AGENCY: Interstate Commerce Commission.

ACTION: Notice of reasons for denying a petition to begin a rulemaking proceeding.

SUMMARY: On July 25, 1990 Southern Electric System, a group of six southern electric power companies, included a request for rulemaking with an appeal about a discovery ruling in this coal rate reasonableness proceeding. In the appeal decision we are denying the request to begin a rulemaking proceeding. We are publishing our reasons for the denial as required by 49 U.S.C. 10326(a).

FOR FURTHER INFORMATION CONTACT: Joseph H. Dettmar, (202) 275-7245. [TDD for hearing impaired: (202) 275-1721].

SUPPLEMENTARY INFORMATION: Petitioner asked us to begin a rulemaking proceeding for the purpose of adopting discovery rules that will not allow disclosure of shipper-specific revenue information without the consent of the shipper, claiming that 49 U.S.C. 11910(a) mandates such an approach. However, section 11910(a) must be read in conjunction with 49 U.S.C. 11165 and 11166(a), which, respectively, authorize the release of cost data and authorize the ICC to obtain expense and revenue information for regulatory purposes. Petitioners contend that authorization to release "cost data" does not include release of revenue information. The last sentence of section 11166(a), however, reflects Congressional recognition that both expense and revenue information can be necessary for determining railroad costs in regulatory proceedings. Moreover, the constrained market pricing standards adopted in *Coal Rate Guidelines, Nationwide*, 1 I.C.C.2d 520 (1985); *aff'd Consolidated Rail Corp. v. U.S.*, 812 F.2d 1444 (3rd Cir. 1987).

¹ Includes that portion of Ex Parte No. 357, *Increased Freight Rates and Charges, Nationwide—8 Percent*, involving a requested 13-percent increase on coal rates on L&N and its connections. Also embraces No. 38025S, *The Dayton Power and Light Company v. Louisville and Nashville Railroad Company*.

E-1

Appendix E

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).

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.

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, 7224.10.0005, 7224.10.0075, 7224.10.0090 of the Harmonized Tariff Schedules of the United States (HTS).

(B) Stainless steel ingots; provided for in item 7218.10.0000 of the 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, 7224.90.0005, 7224.90.0040, 7224.90.0045, 7224.90.0060 7224.90.0065, 7224.90.0075 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 7224.90.0055 of the HTS.

(D) Stainless steel blooms and billets; provided for in items 7218.90.0005, 7218.90.0010, 7218.90.0015, 7218.90.0020, 7218.90.0025, 7218.90.0030, 7218.90.0032, 7218.90.0040, 7218.90.0045, 7218.90.0050, 7218.90.0055, 7218.90.0060, 7218.90.0065, 7218.90.0070, 7218.90.0075, 7218.90.0080, 7218.90.0085, 7218.90.0090, 7218.90.0095 of the HTS.

(E) Stainless steel slabs and sheet bars; provided for in item 7218.90.0035 7218.90.0038 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 7225.30.3005, 7225.30.3050, 7225.40.3005, 7225.40.3050 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, 7219.12.0005, 7219.12.0015, 7219.12.0030, 7219.12.0045, 7219.12.0060, 7219.12.0075, 7219.12.0080, 7219.21.0000, 7219.21.0005, 7219.22.0000, 7219.22.0005, 7219.22.0050, 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, 7225.30.7000, 7225.40.5030, 7225.40.7000, 7226.91.1030, 7226.91.1530 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, 7226.91.2530, 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, 7226.92.7005, 7226.92.7050, 7226.92.8000, 7226.92.8005, 7226.92.8050, 7226.92.8050, 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, 7220.20.6005, 7220.20.6050, 7220.20.7000, 7220.20.7005, 7220.20.7050, 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, 7227.90.6005, 7227.90.6050, 7228.20.1000, 7228.30.8000, 7228.30.8005, 7228.30.8050, 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, 7228.50.5005, 7228.20.5050, 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 7221.00.0005, 7221.00.0045, 7221.00.0060, 7221.00.0075, 7221.00.0080, 7222.10.0000, 7222.10.0005, 7222.10.0050, 7222.20.0005, 7222.20.0030, 7222.20.0045, 7222.20.0060, 7222.20.0075, 7222.30.0000 722.40.3060, 722.40.3080 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 7221.00.0015, 7221.00.0020, 7221.00.0030, 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 cm² 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, 7314.41.0030, 7314.41.0060, 7314.42.0000, 7314.42.0030, 7314.42.0060, 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, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3010, 7312.10.3012, 7312.10.3015, 7312.10.3020, 7312.10.3065, 7312.10.3070, 7312.10.3074, 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, 7304.20.1010, 7304.20.1020, 7304.20.1030, 7304.20.1040, 7304.20.1050, 7304.20.1060, 7304.20.1080, 7304.20.2000, 7304.20.2010, 7304.20.2020, 7304.20.2030, 7304.20.2040, 7304.20.2050, 7304.20.2060, 7304.20.2080, 7304.20.3000, 7304.20.3010, 7304.20.3020, 7304.20.3030, 7304.20.3040, 7304.20.3050, 7304.20.3060, 7304.20.3080, 7304.20.4000, 7304.20.4010, 7304.20.4020, 7304.20.4030, 7304.20.4040, 7304.20.4050, 7304.20.4060, 7304.20.4080, 7304.20.5010, 7304.20.5015, 7304.20.5030, 7304.20.5045, 7304.20.5050, 7304.20.5060, 7304.20.5075, 7304.20.6010, 7304.20.6015, 7304.20.6030, 7304.20.6045, 7304.20.6050, 7304.20.6060, 7304.20.6075, 7304.20.7000, 7304.20.8000, 7304.20.8030, 7304.20.8045, 7304.20.8060, 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, 7304.10.1030, 7304.10.1045, 7304.10.1050, 7304.10.1060, 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, 7304.39.0028, 7304.39.0032, 7304.39.0040, 7304.39.0044, 7304.39.0050, 7304.51.5045, 7304.51.5060, 7304.39.0052, 7304.39.0056, 7304.39.0068, 7304.39.0072, 7304.39.0075, 7304.51.0000, 7304.51.5090, 7304.59.1000, 7304.59.6000, 7304.59.8000, 7304.59.8020, 7304.59.8025, 7304.59.8035, 7304.59.8040, 7304.59.8050, 7304.59.8055, 7304.59.8065, 7304.59.8070, 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, 7304.39.0002, 7304.39.0004, 7304.39.0005, 7304.39.0006, 7304.39.0008, 7304.51.5015, 7304.51.5030, 7304.51.5050, 7304.59.2030, 7304.59.2040, 7304.59.2045, 7304.59.2050, 7304.59.2055, 7304.59.2060, 7304.59.2070, 7304.59.2080, 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 7304.41.0005, 7304.41.0010, 7304.41.0015, 7304.41.0045, 7304.41.0050, 7304.49.0005, 7304.49.0010, 7304.49.0015, 7304.49.0030, 7304.49.0045, 7304.49.0050, 7304.49.0060, 7306.40.1000, 7306.40.5005, 7306.40.5010, 7306.40.5015, 7306.40.5030, 7306.40.5045, 7306.40.5050, 7306.40.5060, 7306.40.5070, 7306.40.5075 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, 7304.39.0016, 7304.39.0020, 7304.39.0024, 7304.39.0025, 7304.39.0030, 7304.39.0036, 7304.39.0040, 7304.39.0048, 7304.39.0060, 7304.39.0062, 7304.39.0070, 7304.39.0076, 7304.39.0080, 7304.39.8010, 7304.39.8015, 7304.39.8030, 7304.39.8045, 7304.39.8060, 7304.39.8080, 7304.39.0090, 7304.51.5005, 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, 7224.10.0045, 7224.90.0010, 7224.90.0015, 7224.90.0020, 7224.90.0025, 7224.90.0030, 7224.90.0035, 7225.20.0000, 7225.30.1000, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.0500, 7226.91.1060, 7226.91.1560, 7226.91.2560, 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. Please refer to Notes section for further explanation.

Appendix F

U.S. Exports, by Country or Region of Destination, 1990, 1991
and Specified Periods, 1991 and 1992

Table F-1.--Steel mill products and certain fabricated steel products: U.S. exports, by specified markets, 1990, 1991, and by specified periods, 1991 and 1992

Market	1990	1991	January--March	
			1991	1992
	Quantity (short tons)			
Countries				
Canada	1,777,729	1,722,616	500,733	412,251
Mexico	715,570	1,324,147	270,860	408,724
Korea	308,795	870,706	140,820	71,379
Japan	479,299	703,823	115,650	44,651
Taiwan	19,017	440,037	31,698	5,690
EC countries	323,136	262,977	90,862	38,687
Venezuela	34,098	116,903	15,953	25,295
China	9,077	100,358	9,036	15,690
Algeria	323	79,907	6	8,608
Indonesia	49,103	75,168	34,272	6,105
Egypt	51,739	75,069	27,497	2,237
Malaysia	10,674	73,854	11,077	1,275
Singapore	28,993	64,288	6,519	6,289
Nigeria	19,298	60,220	7,511	4,725
Australia	18,793	55,836	4,930	3,026
Hong Kong	19,903	45,441	3,540	6,608
Saudi Arabia	15,560	44,812	3,841	11,516
Thailand	62,662	36,143	4,655	9,163
Turkey	18,161	35,436	5,194	1,257
Ecuador	48,534	32,806	7,412	12,929
Argentina	4,846	24,243	1,625	7,621
Pakistan	27,554	20,961	7,171	3,832
Costa Rica	13,646	19,706	1,477	2,233
Guatemala	23,112	19,334	2,264	2,927
Dominican Republic	52,485	18,718	4,756	4,693
Israel	9,919	18,426	4,108	1,393
Brazil	15,404	15,264	2,844	2,785
Morocco	59,872	14,534	5,455	9
Bahamas	11,442	14,244	2,995	3,766
Peru	14,629	14,152	2,428	1,359
Colombia	19,514	13,610	1,412	14,244
Republic of South Africa	15,221	13,315	977	214
Soviet Union	46,394	12,768	518	55
Panama	5,946	12,453	1,928	2,761
Trinidad and Tobago	10,735	10,408	2,562	2,518
All others	167,973	154,129	19,836	34,501
Total	4,509,156	6,616,812	1,354,422	1,180,566

Table F-2.--Steel mill products and certain fabricated steel products: U.S. exports, by specified markets, 1990, 1991, and by specified periods, 1991 and 1992--Continued

Market	1990	1991	January--March	
			1991	1992
	Value (thousand dollars)			
Countries				
Canada -----	1,277,330	1,302,876	364,157	326,306
Mexico -----	530,191	829,369	171,365	251,992
Korea -----	132,114	315,840	57,692	29,894
Japan -----	174,776	236,544	43,023	17,371
Taiwan -----	28,977	133,389	14,339	8,925
EC countries-----	311,725	319,886	117,822	58,897
Venezuela -----	31,273	88,125	15,253	21,532
China -----	22,958	79,228	8,190	15,611
Algeria -----	651	40,399	201	6,932
Indonesia -----	20,564	22,199	9,917	1,971
Egypt -----	34,214	38,294	13,322	2,576
Malaysia -----	6,955	25,708	4,229	1,256
Singapore -----	29,038	45,297	6,461	7,611
Nigeria -----	37,021	102,337	8,149	5,410
Australia -----	30,563	29,566	6,503	3,743
Hong Kong -----	13,015	30,956	4,088	5,560
Saudi Arabia -----	21,171	58,256	5,294	13,160
Thailand -----	19,825	15,882	2,150	6,991
Turkey -----	10,587	17,171	4,282	1,661
Ecuador -----	15,141	15,157	3,636	3,457
Argentina -----	6,144	17,357	2,370	7,053
Pakistan -----	11,252	12,514	4,394	1,834
Costa Rica -----	6,043	8,996	1,974	1,795
Guatemala -----	9,846	8,660	1,162	1,766
Dominican Republic -----	18,187	11,152	2,147	2,423
Israel -----	19,323	29,480	7,246	2,356
Brazil -----	23,006	18,695	4,437	3,044
Morocco -----	19,140	3,711	3,364	97
Bahamas -----	9,161	13,721	3,151	3,260
Peru -----	11,322	12,240	2,342	1,317
Colombia -----	12,440	15,720	2,161	11,088
Republic of South Africa -----	13,718	12,909	1,757	797
Soviet Union -----	21,483	10,330	963	181
Panama -----	5,103	10,327	1,949	1,853
Trinidad and Tobago -----	12,637	10,949	3,433	2,121
All others-----	195,232	224,444	32,018	36,762
Total-----	3,142,126	4,167,684	934,941	868,603

Table F-3.--Steel mill products and certain fabricated steel products: U.S. exports, by specified markets, 1990, 1991, and by specified periods, 1991 and 1992

Market	1990	1991	January--March	
			1991	1992
Unit Value				
Countries				
Canada -----	718.52	756.34	727.25	791.52
Mexico -----	740.93	626.34	632.67	616.53
Korea -----	427.84	362.74	409.69	418.80
Japan -----	364.65	336.09	372.01	389.03
Taiwan -----	1,523.72	303.13	452.37	1,568.52
EC countries-----	964.69	1,216.40	1,296.71	1,522.38
Venezuela -----	917.13	753.83	956.10	851.23
China -----	2,529.13	789.46	906.41	994.96
Algeria -----	2,011.48	505.58	32,318.81	805.30
Indonesia -----	418.79	295.33	289.37	322.83
Egypt -----	661.28	510.12	484.48	1,151.71
Malaysia -----	651.59	348.09	381.79	984.97
Singapore -----	1,001.55	704.59	991.13	1,210.20
Nigeria -----	1,918.35	1,699.39	1,084.94	1,144.98
Australia -----	1,626.28	529.51	1,318.88	1,236.83
Hong Kong -----	653.93	681.25	1,154.74	841.39
Saudi Arabia -----	1,360.56	1,300.00	1,378.11	1,142.80
Thailand -----	316.38	439.43	461.94	763.00
Turkey -----	582.96	484.58	824.26	1,322.11
Ecuador -----	311.97	462.03	490.60	267.40
Argentina -----	1,267.88	715.98	1,459.08	925.50
Pakistan -----	408.35	597.01	612.74	478.55
Costa Rica -----	442.85	456.50	1,336.64	804.04
Guatemala -----	426.00	447.93	513.14	603.34
Dominican Republic -----	346.51	595.81	451.39	516.17
Israel -----	1,948.18	1,599.92	1,763.95	1,691.47
Brazil -----	1,493.52	1,224.71	1,560.04	1,092.75
Morocco -----	319.68	255.34	616.56	10,772.69
Bahamas -----	800.61	963.26	1,052.25	865.63
Peru -----	773.99	864.85	964.40	968.88
Colombia -----	637.50	1,155.05	1,530.68	778.43
Republic of South Africa -----	901.25	969.48	1,797.95	3,718.84
Soviet Union -----	463.06	809.04	1,860.27	3,294.02
Panama -----	858.20	829.28	1,011.22	671.25
Trinidad and Tobago -----	1,177.21	1,052.02	1,339.89	842.31
All others-----	1,162.28	1,456.21	1,614.14	1,079.62
Total-----	696.83	629.86	690.29	735.75

Appendix G

**Exports to the United States of Steel Products Covered by
the VRAs, October 1984-December 1985, 1986, 1987, 1988,
January-September 1989, and October 1989-December 1990**

Table G-1

Exports to the United States of steel products covered by the VRAs, October 1984 through December 1985

Country ¹	Actual exports	Final 15-month export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
	<u>-----Metric tons-----</u>		<u>Percent</u>	<u>Metric tons</u>
Australia.....	181,918	190,623	95.4	-8,705
Brazil.....	1,760,482	1,806,681	97.4	-46,199
Czechoslovakia.....	44,418	44,418	100.0	0
East Germany.....	136,080	137,981	98.6	-1,901
EC-10 ²	4,403,871	4,401,534	100.1	2,337
Finland.....	252,826	254,752	99.2	-1,926
Hungary.....	28,626	62,370	45.9	-33,744
Japan.....	6,711,886	6,218,545	107.9	493,341
Korea.....	2,196,426	2,129,460	103.1	66,966
Mexico.....	367,161	476,417	77.1	-109,256
Poland.....	112,863	102,060	110.6	10,803
Portugal.....	145,648	118,842	122.6	26,806
Romania.....	329,027	326,590	100.7	2,437
Spain.....	693,265	693,938	99.9	-673
South Africa.....	531,821	554,654	95.9	-22,833
Venezuela.....	373,262	416,431	89.6	-43,169
Yugoslavia.....	84,280	62,763	134.3	21,517
Total.....	18,353,860	17,998,059	102.0	355,801

¹No agreement was in place in this time period for Austria, People's Republic of China, and Trinidad and Tobago.

²Excludes Spain and Portugal.

Source: U.S. Department of Commerce, Office of Agreements Compliance.

Table G-2

Exports to the United States of steel products covered by the VRAs, 1986

Country ¹	Actual exports	Final 1986 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
	-----Metric tons-----		Percent	Metric tons
Australia.....	203,595	208,993	97.42	-5,398
Austria.....	121,431	120,284	100.95	1,147
Brazil.....	1,183,446	1,238,947	95.52	-55,501
Czechoslovakia.....	32,615	37,014	88.12	-4,399
East Germany.....	83,411	83,927	99.39	-516
EC-10 ²	4,837,051	4,713,349	102.62	123,702
Finland.....	178,490	173,057	103.14	5,433
Hungary.....	20,954	30,845	67.93	-9,891
Japan.....	3,837,715	4,046,011	94.85	-208,296
Korea.....	1,445,928	1,401,403	103.18	44,525
Mexico.....	335,076	342,850	97.73	-7,774
Poland.....	61,773	71,905	85.91	-10,132
Portugal.....	18,406	18,571	99.11	-165
Romania.....	81,273	84,372	96.33	-3,099
Spain.....	543,244	582,203	93.31	-38,959
Venezuela.....	141,580	158,914	89.09	-17,334
Yugoslavia.....	13,316	13,295	100.16	21
Total.....	13,139,304	13,325,940	98.60	-186,636

¹No agreement was in place at this time for the People's Republic of China and Trinidad and Tobago.

²Excludes Spain and Portugal.

Source: U.S. Department of Commerce, Office of Agreements Compliance.

Table G-3

Exports to the United States of steel products covered by the VRAs, 1987

Country	Actual exports	Final 1987 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
	-----Metric tons-----		Percent	Metric tons
Australia.....	204,955	217,399	94.28	-12,444
Austria.....	123,341	160,031	77.07	-36,690
Brazil.....	1,314,650	1,256,036	104.67	58,614
Czechoslovakia.....	37,400	37,875	98.75	-475
East Germany.....	93,490	98,796	94.63	-5,306
EC-10 ¹	4,685,700	4,780,998	98.01	-95,298
Finland.....	167,308	171,997	97.27	-4,689
Hungary.....	30,257	30,845	98.09	-588
Japan.....	4,167,471	4,757,619	87.60	-590,148
Korea.....	1,445,030	1,463,808	98.72	-18,778
Mexico.....	311,986	358,962	86.91	-46,976
People's Republic of China.....	56,714	61,689	91.94	-4,975
Poland.....	93,144	93,338	99.79	-194
Portugal.....	30,718	31,613	97.19	-895
Romania.....	97,397	107,411	90.68	-10,014
Spain.....	477,433	579,042	82.45	-101,609
Trinidad & Tobago...	73,585	59,866	122.92	13,719
Venezuela.....	225,718	240,679	93.78	-14,961
Yugoslavia.....	10,979	10,141	108.26	838
Total.....	13,647,276	14,518,145	94.00	-870,869

¹Excludes Spain and Portugal.

Source: U.S. Department of Commerce, Office of Agreements Compliance.

Table G-4

Exports to the United States of steel products covered by the VRAs, 1988

Country	Actual exports	Final 1988 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
	-----Metric tons-----		Percent	Metric tons
Australia.....	229,854	242,764	94.68	-12,910
Austria.....	119,958	221,186	54.23	-101,228
Brazil.....	1,138,533	1,238,507	91.93	-99,974
Czechoslovakia.....	26,741	35,777	74.74	-9,036
East Germany.....	86,704	98,472	88.05	-11,768
EC-10 ¹	4,770,649	5,673,758	84.08	-903,109
Finland.....	190,385	223,348	85.24	-32,963
Hungary.....	30,481	30,845	98.82	-364
Japan.....	4,124,771	5,722,082	72.09	-1,597,311
Korea.....	1,359,248	1,760,326	77.22	-401,078
Mexico.....	372,847	451,123	82.65	-78,276
People's Republic of China.....	63,300	70,293	90.05	-6,993
Poland.....	73,153	77,411	94.50	-4,258
Portugal.....	15,115	26,564	56.90	-11,449
Romania.....	81,768	99,783	81.95	-18,015
Spain.....	498,811	691,736	72.11	-192,925
Trinidad & Tobago...	34,685	39,486	87.84	-4,801
Venezuela.....	127,851	195,145	65.52	-67,294
Yugoslavia.....	12,574	18,140	69.32	-5,566
Total.....	13,357,428	16,916,746	78.96	-3,559,318

¹Excludes Spain and Portugal.

Source: U.S. Department of Commerce, Office of Agreements Compliance.

Table G-5

Exports to the United States of steel products covered by the VRAs, January through September 1989

Country	Actual exports	Final 1989 export ceiling	Percent of export ceiling filled	Tonnage exceeding limits
	-----Metric tons-----		Percent	Metric tons
Australia.....	143,372	171,774	83.47	-28,402
Austria.....	68,383	154,384	44.29	-86,001
Brazil.....	863,721	1,008,569	85.64	-144,848
Czechoslovakia.....	17,644	28,231	62.50	-10,587
East Germany.....	35,237	74,845	47.08	-39,608
European Community ¹	3,018,777	4,382,688	68.88	-1,363,911
Finland.....	110,301	162,086	68.05	-51,785
Hungary.....	21,544	23,133	93.13	-1,589
Japan.....	2,604,827	4,148,053	62.80	-1,543,226
Korea.....	783,176	1,311,290	59.73	-528,114
Mexico.....	298,401	456,153	65.42	-157,752
People's Republic of China.....	41,398	55,205	74.99	-13,807
Poland.....	54,885	62,627	87.64	-7,742
Romania.....	42,268	69,334	60.96	-27,066
Trinidad & Tobago...	36,584	39,901	91.69	-3,317
Venezuela.....	134,776	154,351	87.32	-19,575
Yugoslavia.....	6,719	16,421	40.92	-9,702
Total.....	8,282,013	12,319,045	67.23	-4,037,032

¹Includes Spain and Portugal.

Source: U.S. Department of Commerce, Office of Agreements Compliance.

Table G-6

Exports to the United States of steel products covered by the VRAs, October 1, 1989 through December 31, 1990

Country	Actual exports	Final 1989 export ceiling ~	Percent of export ceiling filled	Tonnage exceeding limits
	-----Metric tons-----		Percent	Metric tons
Australia ¹	362,313	425,291	85.19	-62,978
Austria.....	178,319	278,304	64.07	-99,985
Brazil ¹	1,916,917	2,185,765	87.70	-268,848
Czechoslovakia.....	15,978	41,875	38.16	-25,897
East Germany.....	43,783	112,500	38.92	-68,717
European Community ²	5,714,499	7,601,802	75.17	-1,887,303
Finland ¹	266,471	281,035	94.82	-14,564
Hungary.....	38,549	50,000	77.10	-11,451
Japan.....	3,789,353	5,464,729	69.34	-1,675,376
Korea.....	1,820,990	2,528,694	72.01	-707,704
Mexico ¹	687,126	1,062,282	64.68	-375,156
People's Republic of China ¹	75,193	89,737	83.79	-14,544
Poland.....	78,654	143,750	54.72	-65,096
Romania.....	71,935	120,000	59.95	-48,065
Trinidad & Tobago ¹ ..	74,544	127,009	58.69	-52,465
Venezuela.....	252,161	369,097	68.32	-116,936
Yugoslavia.....	33,805	50,000	67.61	-16,195
Total.....	15,420,590	20,931,870	73.67	-5,511,280

¹ Preliminary.

² Includes Spain and Portugal.

Source: U.S. Department of Commerce, Office of Agreements Compliance.

Appendix H

October VRA Signatories' Ceilings Tables Based on Apparent
Consumption Forecasts of DRI

A U S T R A L I A

December 1991 Forecast of End Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for End Period (1,000s)*	Arrangement I.P.	Unadjusted End Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted End Period Export Ceiling
Semi-Finished Steel	20,445	0.205%	41,911	+++	+++	41,911
Coated Flat Rolled	3,715	1.305%	48,474	+++	+++	48,474
Other Flat Rolled	8,364	0.225%	18,818	+++	+++	18,818
Pipe and Tube	1,481	0.450%	6,665	+++	+++	6,665
Other Finished Steel	6,061	0.115%	6,970	+++	+++	6,970

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

+++ Not yet available

A U S T R I A

December 1991 Forecast of End Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for End Period (1,000s)	Arrangement I.P.	Unadjusted End Period Ceiling*	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted End Period Export Ceiling
Flat Rolled Products	12,078	0.30%	36,234	+++	+++	36,234
Stainless Bar	n/a	***	63	+++	n/a	63
Stainless Rod	n/a	***	63	+++	n/a	63
OCTG	307	1.40%	4,298	+++	+++	4,298
Other Pipe and Tube	1,174	0.30%	3,522	+++	+++	3,522
Other Steel Products	6,817	0.11%	7,498	+++	+++	7,498
Alloy Tool Steel	19	4.00%	760	+++	+++	760

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

*** Export ceilings are fixed tonnages.

+++ Not yet available

B R A Z I L - B

December 1991 Forecast of End Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for End Period (1,000s)*	Arrangement I.P.	Unadjusted End Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted End Period Export Ceiling
Semi-Finished Products	20,445	1.057%	216,098	+++	+++	216,098
Billets	n/a	***	43,352	+++	n/a	43,352
Plate	1,167	1.444%	16,844	+++	+++	16,844
Hot Rolled Sheet and Strip	3,876	1.226%	47,514	+++	+++	47,514
Cold Rolled Sheet and Strip	3,209	1.173%	37,642	+++	+++	37,642
Cold Rolled Strip	116	3.318%	3,857	+++	+++	3,857
Other Sheet and Strip	3,827	0.188%	7,195	+++	+++	7,195
Tin Plate	672	0.168%	1,129	+++	+++	1,129
Electrical Sheet and Strip	113	0.209%	235	+++	+++	235
Electrogalvanized Sheet	579	0.100%	579	+++	+++	579
C/A Hot Finished Bar	2,493	1.284%	32,007	+++	+++	32,007
C/A Cold Finished Bar	318	0.934%	2,972	+++	+++	2,972
C/A Wire Rod	1,132	1.953%	22,098	+++	+++	22,098
Angles, Shapes, Sections	1,589	0.450%	7,148	+++	+++	7,148
Structurals	1,245	0.185%	2,304	+++	+++	2,304
Rail Products	64	3.245%	2,085	+++	+++	2,085
Wire and Wire Products	340	2.010%	6,829	+++	+++	6,829
Wire Strand	n/a	***	1,384	+++	n/a	1,384
Wire Rope	41	0.676%	275	+++	+++	275
Rails	113	0.000%	0	+++	+++	0
OCTG	n/a	***	500	+++	n/a	500
Line Pipe	438	4.724%	20,668	+++	+++	20,668
Other Pipe and Tubes	737	2.192%	16,144	+++	+++	16,144
Standard Pipe	397	3.408%	13,530	+++	+++	13,530
Structural Pipe	86	1.218%	1,044	+++	+++	1,044
Mechanical Pipe	217	0.865%	1,879	+++	+++	1,879
Stainless and Pressure Pipe	37	1.261%	460	+++	+++	460
Specialty Products	78	3.088%	2,393	+++	+++	2,393
Stainless Bar	38	2.848%	1,068	+++	+++	1,068
Stainless Wire Rod and Wire	21	3.704%	778	+++	+++	778
Alloy Tool Steel	19	2.712%	515	+++	+++	515

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

*** Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

DEC 31 1991

H-5

EUROPEAN COMMUNITIES

December 1991 Forecast of End Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for End Period (1,000s)*	Arrangement I.P.~	Unadjusted End Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted End Period Export Ceiling
Semi-Finished Products	20,445	0.76%	155,378	+++	+++	155,378
Slab	n/a	***	142,948	+++	n/a	142,948
Plate	1,144	7.13%	81,585	+++	+++	81,585
Hot Rolled Sheet	3,876	7.29%	282,524	+++	+++	282,524
Cold Rolled Sheet	2,740	5.94%	162,741	+++	+++	162,741
Black Plate	83	12.84%	10,657	+++	+++	10,657
Cold Rolled Strip	116	5.34%	6,208	+++	+++	6,208
Electrical Sheet and Strip	113	4.98%	5,603	+++	+++	5,603
Stainless Plate	22	5.89%	1,311	+++	+++	1,311
Stainless Sheet and Strip	270	5.94%	16,038	+++	+++	16,038
Tin Plate	672	2.96%	19,884	+++	+++	19,884
Tin-Free Steel	237	4.22%	9,991	+++	+++	9,991
Other Coated Flat Rolled Products	2,806	4.51%	126,551	+++	+++	126,551
Electroalvanized	n/a	***	31,638	+++	n/a	31,638
Rebar	1,053	0.09%	947	+++	+++	947
Hot Finished Bar	1,440	3.09%	44,504	+++	+++	44,504
Cold Finished Bar	318	6.63%	21,100	+++	+++	21,100
Stainless Bar	38	7.40%	2,775	+++	+++	2,775
Carbon Wire Rod	1,093	5.70%	62,273	+++	+++	62,273
Stainless Wire Rod	12	13.16%	1,612	+++	+++	1,612
Alloy Wire Rod	39	19.68%	7,675	+++	+++	7,675
Bar Shapes Under 80mm	279	2.48%	6,919	+++	+++	6,919
Structurals	1,177	14.15%	166,476	+++	+++	166,476
Sheet Piling	69	23.70%	16,291	+++	+++	16,291
Fabricated Structurals	n/a	****	4,137	+++	n/a	4,137
Stainless Wire	9	15.34%	1,342	+++	+++	1,342
Wire Strand	n/a	****	12,450	+++	n/a	12,450
Wire Rope	n/a	****	2,450	+++	n/a	2,450
Carbon/Alloy Wire	n/a	****	45,650	+++	n/a	45,650
Wire Products	n/a	****	6,375	+++	n/a	6,375
Rails	113	9.26%	10,418	+++	+++	10,418
Rail Products	n/a	****	975	+++	n/a	975
Total Pipe and Tube	1,481	8.82%	130,624	+++	+++	130,624
OCTG	307	9.00%	27,630	+++	+++	27,630
Alloy Tool Steel	19	11.02%	2,094	+++	+++	2,094
Other Specialty Steel	n/a	****	3,025	+++	n/a	3,025

* 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.

n/a Not Applicable

+++ Not yet Available

FINLAND

December 1991 Forecast of End Period U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing
(Metric Tons)

Categories	Apparent Consumption Forecast for End Period (1,000s)*	Arrangement I.P.	Unadjusted End Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted End Period Export Ceiling
Semi-Finished	20,445	0.016%	3,271	1,500	+++	4,771
Carbon/Alloy Flat Rolled	8,071	0.442%	35,675	1,125	+++	36,800
Cold Rolled Sheet	2,823	0.114%	3,218	+++	+++	3,218
Cold Rolled Strip	116	0.457%	531	+++	+++	531
Stainless Flat Rolled	292	0.978%	2,858	+++	+++	2,858
Coated Flat Rolled	3,715	0.130%	4,829	+++	+++	4,829
Electrogalvanized Sheet	579	0.130%	752	+++	+++	752
Bar and Rod	3,992	0.037%	1,477	375	+++	1,852
Carbon Cold Finished Bar	257	0.010%	26	+++	+++	26
Wire and Wire Products	349	0.024%	84	+++	+++	84
Pipe and Tube	1,481	0.140%	2,073	+++	+++	2,073
OCTG	307	0.200%	614	+++	+++	614
Other Steel Products	1,720	0.012%	206	+++	+++	206

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

+++ Not yet available

J A P A N

December 1991 Forecast of U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing During the
Final Period of January 1, 1991 through March 31, 1992
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#	Arrangement ~ I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	99,600	0.088%	87,648	6,125	1,400	95,173
Plate	5,886	1.050%	61,803	4,279	(644)	65,438
Sheet and Strip	51,798	6.090%	3,154,498	207,677	105,489	3,467,664
Cold Rolled Sheet and Strip	14,268	4.870%	694,852	39,168	20,196	754,216
Coated Sheet and Strip	12,965	12.500%	1,620,625	109,418	(18,353)	1,711,690
Electrogalvanized	2,718	16.820%	457,168	29,371	(23,602)	462,937
Electrical Sheet and Strip	545	7.090%	38,641	1,050	(400)	39,291
Tin Plate	3,346	6.150%	205,779	3,178	5,211	214,168
Tin-Free Steel	1,182	7.030%	83,095	(1,122)	4,369	86,342
Bar	13,766	0.640%	88,102	5,814	570	94,486
Cold Finished	1,534	2.130%	32,674	2,074	500	35,248
Stainless Bar	189	10.470%	19,788	1,280	(419)	20,649
Wire Rod and Wire Products	7,292	6.400%	466,688	31,892	(14,713)	483,867
Carbon/Alloy Wire Rod	5,638	6.300%	355,194	23,538	(6,642)	372,090
Stainless Rod	57	10.440%	5,951	106	(104)	5,953
Structural Shapes	8,692	7.550%	656,246	45,090	(11,305)	690,031
Rail and Rail Products	861	10.150%	87,392	(2,901)	(11,472)	73,019
Fabricated Structural	n/a	***	63,066	4,036	n/a	67,102
Welded H-Beams	n/a	***	37,500	2,400	n/a	39,900
Pipe and Tube	7,685	9.190%	706,252	30,009	(14,359)	721,902
OCTG	1,396	9.660%	134,854	7,226	(15,166)	126,914
Line Pipe	2,501	16.480%	412,165	18,227	6,984	437,376
Structural Pipe	466	12.760%	59,462	3,932	(3,600)	59,794
Alloy Tool Steel	87	5.890%	5,124	400	59	5,583

Final Period Apparent Consumption ("AC") is defined as Forecasted 1991 AC + 0.25 * 1992 AC.

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

*** Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

K O R E A

December 1991 Forecast of U.S. Apparent Consumption of Arrangement Products Subject to Export Licensing During the Final Period of January 1, 1991 through March 31, 1992 (Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	99,600	0.271%	269,916	+++	4,312	274,228
Plate	5,780	1.170%	67,626	+++	(707)	66,919
Sheet and Strip	50,505	2.380%	1,202,019	+++	38,640	1,240,659
HR S & S	18,199	3.160%	575,088	+++	35,034	610,122
CR S & S	14,268	2.520%	359,554	+++	10,780	370,334
C/A Strip	n/a	***	1,500	+++	n/a	1,500
Coated	12,965	1.800%	233,370	+++	(2,700)	230,670
Electro-Galv	n/a	***	33,750	+++	n/a	33,750
Electrical	n/a	***	1,500	+++	n/a	1,500
Stainless Flat-Rolled	1,399	0.940%	13,151	+++	(17)	13,134
Bar	13,766	0.640%	88,102	+++	599	88,701
Stainless Bar	189	1.600%	3,024	+++	(62)	2,962
Wire, Wire Rod & Wire Prod.	7,292	2.430%	177,196	+++	(5,783)	171,413
Stainless Wire	n/a	***	1,125	+++	n/a	1,125
C/A Wire	n/a	***	10,625	+++	n/a	10,625
Stainless Rod	57	1.980%	1,129	+++	(19)	1,110
Structurals	8,692	1.380%	119,950	+++	(2,147)	117,803
Rails	572	0.650%	3,718	+++	139	3,857
Fab. Structurals	n/a	***	68,040	+++	n/a	68,040
Wire Rope	n/a	***	57,500	+++	n/a	57,500
Wire Strand	n/a	***	36,751	+++	n/a	36,751
Pipe & Tube	7,685	7.900%	607,115	+++	(12,732)	594,383
Structural	466	4.430%	20,644	+++	(1,329)	19,315
OCTG	1,396	2.900%	40,484	+++	(4,553)	35,931
Standard	2,079	17.930%	372,765	+++	(2,690)	370,075
Alloy Tool Steel	87	2.160%	1,879	+++	21	1,900

Final Period Apparent Consumption ("AC") is defined Forecasted 1991 AC + 0.25 * 1992 AC.

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

*** Export ceilings are fixed tonnages.

+++ Not yet available

n/a Not Applicable

MEXICO

December 1991 Forecast of U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing During the
Final Period of January 1, 1991 through March 31, 1992
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#*a	Arrangement I.P.	Unadjusted Final Period Ceilings	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Semi-Finished Steel	99,600	0.27%	268,920	1,621	3,818	274,359
C/A Flat Rolled	38,792	0.33%	128,014	9,606	4,981	142,601
C/A HR Sheet and Strip	18,199	0.27%	49,137	3,538	3,236	55,911
C/A CR Sheet and Strip	14,268	0.22%	31,390	2,501	836	34,727
Plate	5,780	0.81%	46,818	234	(434)	46,618
Stainless Flat Rolled	1,399	1.02%	14,270	514	(18)	14,766
Coated Flat Rolled	17,493	0.77%	134,696	10,233	(7)	144,922
Bar and Rod	19,650	1.15%	225,975	17,102	(218)	242,859
Carbon CF Bar	1,243	0.62%	7,707	564	143	8,414
Carbon Wire Rod	5,443	2.51%	136,619	10,456	(2,430)	144,645
Stainless Bar and Rod	246	0.03%	74	2	(2)	74
Angles, Shapes, Sections/Rail and Rail Products	8,692	0.83%	72,144	5,708	(1,145)	76,707
Wire and Wire Products	1,634	3.47%	57,394	4,949	(3,960)	58,383
Wire Rope	209	2.94%	6,145	0	1,981	8,126
Wire Strand	n/a	***	2,317	4,100	n/a	6,417
Panels and Mesh	1,614	1.00%	16,140	(361)	(1,135)	14,644
Other Wire and Wire Products and Fence	1,614	2.10%	33,894	1,190	(2,402)	32,682
Pipe and Tube	7,685	2.95%	226,708	15,753	(4,233)	238,228
OCTG	1,396	2.60%	36,296	2,779	(3,140)	35,935
Line Pipe	2,501	4.17%	104,292	5,344	1,638	111,274
Standard Pipe	2,079	4.83%	100,416	8,039	(632)	107,823
Tool Steel	87	0.36%	313	26	3	342

Final Period Apparent Consumption ("AC") is defined as Forecasted 1991 AC + 0.25 * 1992 AC.

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

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

*** Export ceiling is fixed tonnage.

n/a Not Applicable

V E N E Z U E L A

December 1991 Forecast of U.S. Apparent Consumption of
Arrangement Products Subject to Export Licensing During the
Final Period of January 1, 1991 through March 31, 1992
(Metric Tons)

Categories	Apparent Consumption Forecast for the Final Period (1,000s)#	Arrangement I.P.	Unadjusted Final Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Final Period Export Ceiling
Carbon/Alloy Flat-Rolled and						
Stainless	40,191	0.223%	89,626	+++	3,963	93,589
Coated Flat-Rolled	17,493	0.195%	34,111	+++	(2)	34,109
Bar and Rod	19,650	0.358%	70,347	+++	(79)	70,268
Carbon Wire Rod	5,443	0.339%	18,452	1,020	(380)	19,092
Rebar	5,174	0.754%	39,012	(1,020)	(769)	37,223
Pipe & Tube	7,685	0.844%	64,861	(2,087)	(1,401)	61,373
OCTG	1,396	0.000%	0	+++	0	0
Line	2,501	2.246%	56,172	+++	1,011	57,183
Standard	2,079	0.540%	11,227	(2,087)	(81)	9,059
Other Steel Products	10,433	0.129%	13,459	+++	(374)	13,085
Semi-Finished	99,600	0.069%	68,724	+++	1,098	69,822

Final Period Apparent Consumption ("AC") is defined as Forecasted 1991 AC + 0.25 * 1992 AC.

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

+++ Not yet available

December 1991
1992 Export Ceilings of Fixed Tonnage Countries
(Metric Tons)

P O L A N D

Product Category	Tons
-----	----
Plate	7,500
Stainless Bars	0
Stainless Rod	0
Wire Rod	2,500
Structurals	7,500
Wire and Wire Products	6,250
OCTG	0
Other Pipe & Tube	2,500
All Other Steel Products	2,410
Alloy Tool Steel	90
Total	28,750

E A S T G E R M A N Y

Product Category	Tons
-----	----
Flat Rolled Products	13,500
Stainless Bars	0
Stainless Rod	0
Wire Rod	5,000
OCTG	0
Other Pipe & Tube	1,500
All Other Steel Products	2,500
Alloy Tool Steel	0
Total	22,500

Y U G O S L A V I A

Product Category	Tons
-----	----
Stainless Bars	100
Stainless Rod	300
Wire and Wire Products	2,800
OCTG	0
Other Pipe & Tube	2,200
Other Steel Products	4,600
Alloy Tool Steel	0
Total	10,000

H U N G A R Y

Product Category	Tons
-----	----
Flat Rolled Products	8,250
Stainless Bars	50
Stainless Rod	50
OCTG	0
All Other Steel Products	1,625
Alloy Tool Steel	25
Total	10,000

C Z E C H O S L O V A K I A

Product Category	Tons
-----	----
Flat Rolled Products	4,000
Stainless Bars	25
Stainless Rod	50
Wire Rod	2,750
OCTG	500
All Other Steel Products	1,000
Alloy Tool Steel	50
Total	8,375

R O M A N I A

Product Category	Tons
-----	----
Plate	16,000
Sheet & Strip	1,000
Stainless Bars	0
Stainless Rod	0
OCTG	500
Other Pipe & Tube	6,000
All Other Steel Products	500
Alloy Tool Steel	0
Total	24,000

1992 Export Ceilings of Fixed Tonnage Countries

THE PEOPLE'S REPUBLIC
OF CHINA

Product Category -----	Metric Tons -----
Nails	9,000
All Other Steel Products	9,625
Total	18,625

TRINIDAD AND TOBAGO

Product Category -----	Net Tons -----
Semi-Finished Steel	5,500
Bars and Rod	26,000
Wire Rod	19,500
All Other Steel Products	3,500
Total	35,000