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UNITED STATES TARIFF COMMISSION

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# IRON AND STEEL

A SURVEY OF THE IRON AND STEEL INDUSTRIES AND  
INTERNATIONAL TRADE OF THE PRINCIPAL PRO-  
DUCING AND TRADING COUNTRIES WITH PAR-  
TICULAR REFERENCE TO FACTORS  
ESSENTIAL TO TARIFF  
CONSIDERATIONS

UNDER THE GENERAL PROVISIONS OF SECTION 332,  
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- B. Prices.**
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- D. Comparison of rates of duty on materials and products of the iron and steel industry under Tariff Acts of 1913, 1922, and 1930, and subsequent changes in rates by trade agreements.**
- E. Exchange rates.**

## APPENDIX A. WORLD PRODUCTION OF PIG IRON AND STEEL

TABLE 259.—*Pig iron and ferro-alloys: World production, by countries*

[Millions of long tons]

Area and country	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
<b>North America:</b>															
<b>UNITED STATES</b> .....	25.80	27.30	28.65	29.75	30.97	32.33	33.92	35.44	36.62	38.04	31.02	36.93	16.99	27.22	40.36
Canada.....	.68	.74	.82	.91	1.02	.71	.83	1.07	1.00	1.11	.86	1.00	.62	.40	.91
<b>Europe, excluding the Soviet Union:</b>															
Germany.....	10.91	12.89	13.63	15.25	16.49	12.29	10.08	11.15	11.42	10.51	6.19	6.03	7.73	9.28	4.86
Saar.....												.88	1.13	1.14	1.00
United Kingdom.....	9.53	10.01	9.58	9.75	10.26	8.92	8.79	9.05	9.32	9.09	7.40	8.03	2.62	4.90	7.44
France.....	2.52	3.97	4.40	4.86	5.12	2.65	.86	1.47	1.71	1.29	2.37	3.38	3.31	5.14	5.34
Belgium.....	1.59	1.82	2.01	2.26	2.45	1.43	.07	.13	.01		.25	1.10	.86	1.59	2.11
Luxemburg.....	1.53	1.66	1.70	2.22	2.51	1.80	1.87	1.92	1.51	1.25	.61	.68	.68	1.65	1.88
Czechoslovakia.....											.62	.73	.57	.33	.80
Austria.....	1.96	2.01	2.08	2.37	2.31	1.96	1.98	2.38	2.00		.06	.10	.22	.32	.34
Hungary.....											(1)	(1)	.07	.10	.12
Italy.....	.20	.34	.30	.37	.42	.38	.38	.48	.50	.33	(1)	.25	.10	.08	.17
Sweden.....	.44	.50	.62	.69	.72	.64	.77	.75	.84	.77	.50	.46	.31	.27	.30
Poland.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)	.40	.44	.47	.51
Spain.....	.42	.37	.40	.40	.42	.43	.43	.49	.35	.38	.29	.35	.24	.21	.39
Norway.....												.01	.02	.02	.08
Soviet Union.....	2.82	2.98	3.53	4.14	4.55	4.19	3.63	3.68	1.50		1.11	.11	.11	.18	.81
<b>Asia:</b>															
Japan, including Korea and Manchuria.....				.24	.24	.30	.35	.43	.49	.68	.79	.72	.65	.70	.80
India.....	.04	.04	.06	.15	.21	.24	.27	.25	.25	.27	.32	.31	.37	.34	.81
Australia.....	.03	.04	.04	.03	.05	.08	.15	.18	.15	.21	.25	.34	.35	.08	.33
Other countries.....					.16	(1)	(1)	(1)	(1)	(1)	(1)	.39	.35	.29	.50
Grand total.....	59.47	64.76	62.76	72.37	77.90	59.35	59.70	72.82	69.76	64.95	51.89	62.85	37.68	54.77	68.70

See footnotes at end of table.

IRON AND STEEL

TABLE 259.—*Pig iron and ferro-alloys: World production, by countries—Continued*

[Millions of long tons]

Area and country	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936 <sup>1</sup>	1937 <sup>2</sup>
<b>North America:</b>														
<b>UNITED STATES</b> .....	31.41	36.70	39.37	36.57	38.16	42.61	31.75	18.43	8.78	13.35	16.14	21.37	31.08	37.30
Canada.....	.62	.60	.81	.77	1.08	1.16	.81	.47	.16	.26	.43	.66	.75	.96
<b>Europe, excluding the Soviet Union:</b>														
Germany.....	7.68	10.01	9.50	12.90	11.62	13.19	9.54	5.97	3.87	5.19	8.61	12.64	15.06	15.71
Saar.....	1.37	1.43	1.61	1.74	1.91	2.07	1.88	1.49	1.33	1.57	1.80			
United Kingdom.....	7.81	6.29	2.46	7.29	6.61	7.59	6.19	3.77	3.57	4.14	5.97	6.42	7.72	8.49
France.....	7.57	8.36	9.28	9.13	9.52	10.20	9.88	8.07	5.45	6.22	6.06	5.70	6.14	7.71
Belgium.....	2.80	2.50	3.35	3.65	3.80	3.98	3.31	3.15	2.32	2.29	2.91	2.98	3.13	3.46
Luxemburg.....	2.12	2.33	2.52	2.69	2.73	2.86	2.43	2.02	1.93	1.86	1.95	1.94	1.95	2.50
Czechoslovakia.....	.97	1.28	1.07	1.30	1.54	1.62	1.42	1.20	.56	.49	.59	.80	1.12	1.62
Austria.....	.26	.37	.33	.43	.45	.45	.28	.14	.09	.09	.13	.19	.24	( <sup>3</sup> )
Hungary.....	.11	.09	.19	.29	.28	.36	.25	.20	.15	.09	.14	.18	.25	( <sup>3</sup> )
Italy.....	.34	.53	.55	.52	.55	.72	.57	.53	.48	.55	.56	.68	.79	.83
Sweden.....	.53	.45	.49	.45	.43	.52	.49	.41	.26	.34	.55	.60	.62	.66
Poland.....	.33	.31	.32	.61	.67	.69	.47	.34	.20	.30	.38	.39	.58	.67
Spain.....	.49	.46	.48	.60	.56	.74	.59	.47	.30	.32	.36	.33	.35	.21
Norway.....	.06	.08	.10	.11	.12	.15	.14	.10	.10	.11	.12	.13	.15	( <sup>3</sup> )
<b>Soviet Union</b> .....	.67	1.80	2.21	2.92	3.23	3.95	4.90	4.80	6.08	7.02	10.33	12.41	14.09	14.37
<b>Asia:</b>														
Japan, including Korea and Manchuria.....	.82	.92	1.16	1.26	1.52	1.51	1.64	1.39	1.52	1.99	2.34	2.77	3.00	3.31
India.....	.88	.89	.90	1.15	1.06	1.40	1.18	1.07	.91	1.07	1.33	1.47	1.54	( <sup>3</sup> )
<b>Australia</b> .....	.42	.44	.43	.47	.43	.46	.31	.23	.19	.34	.49	.70	.67	( <sup>3</sup> )
<b>Other countries</b> .....	.37	.38	.40	.40	1.34	1.18	1.21	.95	.87	.88	.75	.84	1.01	3.75
<b>Grand total</b> .....	67.13	75.69	77.53	85.25	87.91	97.41	79.24	55.20	39.12	48.47	61.94	73.10	90.19	101.55

<sup>1</sup> Not available.<sup>2</sup> Included in the Soviet Union.<sup>3</sup> Including Poland.<sup>4</sup> Preliminary.<sup>5</sup> Included in Other countries.

Sources: 1909-36, Statistics of the Iron and Steel Industries, British Iron and Steel Federation, 1937, pp. 166 and 167; 1937, Iron Age, Jan. 6, 1938, p. 94 (December estimated).

TABLE 260.—Steel ingots and castings: World production, by countries

[Millions of long tons]

Area and country	1900	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
<b>North America:</b>															
<b>UNITED STATES</b> .....	23.00	26.00	28.00	31.25	31.80	33.31	33.15	42.77	45.06	44.46	34.67	42.13	19.78	23.00	44.94
Canada.....	.68	.74	.79	.85	1.04	.74	.91	1.30	1.56	1.70	.98	1.11	.67	.48	.88
<b>Europe, excluding the Soviet Union:</b>															
Germany.....	11.23	12.80	14.08	16.00	17.22	12.80	12.00	14.64	18.26	12.87	7.73	6.60	8.98	11.53	6.20
Saar.....												.73	.91	1.24	.98
United Kingdom.....	4.88	6.37	6.46	6.80	7.06	7.84	8.85	8.99	9.72	9.54	7.89	9.07	3.70	4.88	3.48
France.....	2.99	3.26	2.78	4.26	4.61	2.61	1.07	1.92	2.20	1.78	2.15	3.00	2.05	4.46	4.08
Belgium.....	1.55	1.91	2.15	2.47	2.48	1.37	.10	.10	.01	.01	.53	1.28	.78	1.54	2.28
Italy.....	.88	1.01	.96	.97	.92	.80	.99	1.25	1.31	.98	.72	.76	.69	.67	1.12
Luxemburg.....	.68	.80	.70	.93	1.31	1.12	.97	1.29	1.07	1.87	.86	.57	.74	1.37	1.18
Czechoslovakia.....										1.00	.77	.96	.89	.63	.86
Austria.....	1.91	2.12	2.29	2.64	2.86	2.13	2.63	3.28	2.87	(1)	(1)	.19	.24	.48	.80
Hungary.....										(1)	(1)	.04	.09	.31	.28
Poland.....	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	.96	.84	.98	1.11
Sweden.....	.31	.46	.46	.51	.66	.50	.59	.60	.57	(1)	.54	.48	.43	.21	.37
Spain.....	.30	.31	.32	.33	.30	(1)	(1)	(1)	(1)	(1)	(1)	.25	.26	.35	.47
Soviet Union.....	* 1.07	* 2.48	* 2.67	* 4.42	* 4.76	* 4.06	* 4.82	(1)	(1)	(1)	(1)	.16	.18	.31	.59
<b>Asia:</b>															
Japan, including Korea and Manchuria.....					.24	.40	.50	.60	.78	.83	.83	.83	.85	.92	.97
India.....					.06	.07	.10	.13	.16	.18	.19	.16	.18	.15	.23
<b>Australia</b> .....					.01	.02	.06	.11	.15	.14	.18	.26	.28	.07	.37
<b>Other countries</b> .....					.04	.08	.04	.04	.04	.04	.04	.08	.05	.12	.20
<b>Grand total</b> .....	58.38	69.25	69.57	71.62	75.15	69.49	65.57	77.01	80.76	75.94	57.51	71.30	48.51	67.66	76.98

See footnotes at end of table.

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TABLE 260.—*Steel ingots and castings: World production, by countries—Continued*  
 [Millions of long tons]

Area and country	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936 <sup>4</sup>	1937 <sup>4</sup>
North America:														
UNITED STATES.....	37.93	45.39	48.29	44.94	51.54	56.43	40.70	25.95	13.68	23.23	26.06	34.09	47.77	49.80
Canada.....	.66	.76	.78	.92	1.24	1.39	1.01	.67	.34	.40	.74	.92	1.08	1.44
Europe, excluding the Soviet Union:														
Germany.....	9.68	12.00	12.15	16.06	14.29	15.99	11.36	8.16	5.68	7.49	11.73	16.19	18.90	19.31
Saar.....	1.45	1.55	1.71	1.86	2.04	2.17	1.91	1.61	1.44	1.65	1.92	1.86	1.95	2.43
United Kingdom.....	8.20	7.39	3.60	9.10	8.52	9.64	7.33	5.20	5.26	7.02	8.85	9.86	11.78	12.89
France.....	6.79	7.33	8.30	8.18	9.35	9.55	9.33	7.70	5.55	6.43	6.08	6.18	6.60	7.68
Belgium.....	2.83	2.51	3.32	3.62	3.84	4.04	3.30	3.06	2.75	2.69	2.90	2.98	3.13	3.91
Italy.....	1.34	1.76	1.75	1.57	1.93	2.11	1.72	1.39	1.37	1.74	1.80	2.18	1.99	2.10
Luxemburg.....	1.86	2.05	2.21	2.43	2.53	2.66	2.24	2.00	1.93	1.82	1.90	1.81	1.95	2.43
Czechoslovakia.....	1.20	1.48	1.55	1.66	1.70	2.11	1.81	1.50	.64	.69	.93	1.16	1.54	2.18
Austria.....	.37	.46	.47	.65	.63	.63	.47	.31	.20	.22	.30	.36	.41	( <sup>3</sup> )
Hungary.....	.24	.23	.32	.46	.48	.50	.36	.30	.25	.22	.31	.44	.46	( <sup>3</sup> )
Poland.....	.67	.77	.78	1.23	1.41	1.36	1.22	1.02	.54	.80	.84	.93	1.11	1.39
Sweden.....	.49	.47	.49	.49	.57	.68	.86	.53	.52	.62	.55	.88	.96	1.05
Spain.....	.53	.57	.60	.65	.76	.97	.86	.69	.62	.50	.64	.68	.68	.36
Soviet Union.....	.98	1.84	2.86	3.53	4.09	4.65	5.46	5.53	5.83	6.73	9.54	12.32	16.08	17.15
Asia:														
Japan, including Korea and Manchuria.....	1.11	1.32	1.52	1.70	1.92	2.31	2.29	1.84	2.36	3.18	3.74	4.86	5.00	5.48
India.....	.34	.45	.52	.57	.41	.58	.62	.63	.57	.69	.80	.86	.94	( <sup>3</sup> )
Australia.....	.86	.40	.37	.41	.41	.43	.31	.23	.22	.39	.52	.70	.75	( <sup>3</sup> )
Other countries.....	.20	.20	.20	.20	.20	.18	.20	.29	.25	.25	.32	.42	.69	4.10
Grand total.....	77.23	88.93	91.79	100.13	107.86	118.38	93.36	68.41	49.90	66.76	80.77	97.72	121.72	131.30

<sup>1</sup> Not available.

<sup>2</sup> Included in the Soviet Union.

<sup>3</sup> Including Poland.

<sup>4</sup> Preliminary.

<sup>5</sup> Included in Other countries.

Sources: 1909-36, Statistics of the Iron and Steel Industries, British Iron and Steel Federation, 1937, pp. 168 and 169; 1937, Iron Age, Jan. 6, 1938, p. 95 (December estimated).

## APPENDIX B. PRICES

**TABLE 261.—Iron ore, coke, steel scrap, pig iron, finished steel, raw materials, semimanufactured articles, finished products, and all commodities: United States price quotations and index numbers: <sup>1</sup> Yearly averages, 1913–37; monthly averages, 1926–37**

[1926 average=100. Price per long ton]

Year and month	Iron ore <sup>1</sup>		Coke <sup>2</sup>		Steel scrap <sup>4</sup>		Pig iron <sup>5</sup>		Finished steel <sup>6</sup>		Raw materials	Semimanufactured articles	Finished products	All commodities
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Indexes of the Bureau of Labor Statistics <sup>7</sup>			
1913.....	\$3.40	80	\$2.87	61	\$11.92	77	\$14.08	72	\$37.21	99	69	75	69	70
1914.....	2.85	87	1.98	45	10.86	67	12.87	63	32.10	90	68	70	68	68
1915.....	2.80	95	3.00	48	12.21	79	13.54	65	34.34	94	67	81	69	70
1916.....	3.55	94	4.41	101	17.22	111	19.43	95	39.74	111	83	118	82	85
1917.....	5.05	119	10.33	235	29.19	189	39.11	192	93.88	174	123	150	109	118
1918.....	5.45	128	6.72	153	28.76	186	33.24	163	79.34	147	136	154	125	131
1919.....	5.55	131	5.13	117	17.89	116	28.97	142	69.78	129	146	158	131	139
1920.....	6.55	154	12.08	269	23.71	153	42.76	209	96.08	160	152	198	150	164
1921.....	5.55	131	3.89	88	12.61	82	22.58	111	56.96	106	88	96	103	98
1922.....	5.05	119	7.55	179	15.83	102	34.06	118	50.20	98	96	96	97	96
1923.....	5.55	131	5.97	138	19.05	123	26.30	129	62.16	115	99	119	99	101
1924.....	4.75	112	3.83	87	17.15	111	30.90	102	58.28	108	98	108	96	98
1925.....	4.25	100	4.23	96	17.12	111	30.58	101	54.61	101	107	105	101	104
<i>1926</i>														
Year average.....	4.25	100	4.39	100	15.48	100	20.42	100	53.96	100	100	100	100	100
January.....	4.25	100	3.05	183	16.97	110	21.79	107	54.41	101	109	103	102	103
February.....	4.25	100	3.19	187	15.50	100	21.77	107	54.08	100	104	103	101	102
March.....	4.25	100	3.42	78	15.83	102	21.65	106	54.12	100	101	101	100	101
April.....	4.25	100	3.36	77	15.27	99	20.96	103	54.23	101	101	100	100	100
May.....	4.25	100	3.28	74	14.35	93	20.69	101	53.78	100	101	99	101	101
June.....	4.25	100	3.17	72	14.40	93	20.00	98	53.87	100	100	99	101	100
July.....	4.25	100	3.18	72	15.42	100	19.61	96	54.10	100	99	99	100	100
August.....	4.25	100	3.30	75	15.58	103	19.46	95	54.10	100	98	100	100	99
September.....	4.25	100	3.79	86	16.25	105	19.46	95	53.54	99	99	100	100	100
October.....	4.25	100	4.07	93	15.58	101	19.69	96	53.74	100	100	99	99	99
November.....	4.25	100	4.96	113	15.25	99	20.13	99	53.80	100	98	99	99	98
December.....	4.25	100	3.92	89	15.08	97	19.94	98	53.80	100	97	99	98	98

Footnotes at end of table.

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TABLE 261.—Iron ore, coke, steel scrap, pig iron, finished steel, raw materials, semimanufactured articles, finished products, and all commodities: United States price quotations and index numbers: Yearly averages, 1913-37; monthly averages, 1926-37—Continued

[1926 average=100. Price per long ton]

Year and month	Iron ore		Coke		Steel scrap		Pig iron		Finished steel		Raw materials	Semimanufactured articles	Finished products	All commodities
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Indexes of the Bureau of Labor Statistics			
<i>1927</i>														
Year average.....	\$4.25	100	\$3.40	77	\$14.00	90	\$18.55	91	\$51.21	95	97	94	95	95
January.....	4.25	100	3.92	89	15.17	98	19.44	95	52.98	98	97	95	96	97
February.....	4.25	100	3.79	86	14.58	94	19.07	93	51.43	95	96	94	96	96
March.....	4.25	100	3.75	85	14.95	95	19.03	93	51.56	95	94	94	95	95
April.....	4.25	100	3.58	82	14.71	95	19.21	94	51.43	95	93	94	95	94
May.....	4.25	100	3.29	75	13.95	90	19.09	94	51.43	95	94	94	94	94
June.....	4.25	100	3.28	75	13.60	89	18.92	93	51.61	96	94	93	94	94
July.....	4.25	100	3.36	77	13.48	87	18.56	91	51.56	96	95	93	94	94
August.....	4.25	100	3.36	77	13.80	89	18.17	89	51.56	96	98	94	94	95
September.....	4.25	100	3.19	73	13.92	90	18.03	88	51.36	95	100	96	95	96
October.....	4.25	100	3.19	73	13.48	87	17.96	88	50.31	93	100	95	96	97
November.....	4.25	100	3.10	71	13.18	85	17.59	86	49.64	92	99	94	95	96
December.....	4.25	100	3.08	70	13.48	87	17.55	86	49.66	92	99	94	95	96
<i>1928</i>														
Year average.....	4.25	100	3.01	69	14.29	92	17.68	87	50.49	94	99	95	96	97
January.....	4.25	100	3.02	69	13.70	89	17.68	86	49.82	92	100	95	95	96
February.....	4.25	100	3.00	68	13.71	89	17.73	87	50.87	94	99	94	95	96
March.....	4.25	100	2.91	66	13.65	88	17.73	87	50.92	94	98	95	94	96
April.....	4.25	100	2.91	66	13.81	89	17.67	87	50.85	94	100	95	95	97
May.....	4.25	100	2.91	66	13.90	90	17.45	86	50.38	93	101	95	96	98
June.....	4.25	100	2.91	66	13.52	87	17.23	84	50.09	93	99	95	96	98
July.....	4.25	100	2.95	67	13.13	85	17.10	84	49.77	92	100	95	96	97
August.....	4.25	100	3.08	70	13.75	89	17.11	84	50.22	93	99	94	97	98
September.....	4.25	100	3.08	70	14.75	95	17.54	86	50.22	93	101	94	98	99
October.....	4.25	100	3.17	72	16.85	102	17.94	88	50.69	94	97	94	97	97
November.....	4.25	100	3.08	70	15.97	103	18.46	90	50.94	94	96	95	96	96
December.....	4.25	100	3.08	70	15.97	103	18.51	91	51.09	95	97	95	95	96

<i>1889</i>														
Year average.....	4.50	106	2.08	70	18.30	105	18.43	90	51.43	95	95	94	95	94
January.....	4.50	106	2.08	70	17.02	110	18.43	90	51.21	95	98	95	95	95
February.....	4.50	106	2.25	74	16.96	110	18.39	90	51.21	95	98	95	94	95
March.....	4.50	106	2.24	76	16.71	108	18.36	90	51.21	95	99	95	95	95
April.....	4.50	106	2.11	71	17.19	111	18.52	91	51.90	95	97	95	95	95
May.....	4.50	106	2.08	70	16.54	107	18.70	99	51.90	95	95	95	95	95
June.....	4.50	106	2.08	70	16.39	106	18.55	91	51.90	95	97	92	95	95
July.....	4.50	106	2.08	70	16.00	107	18.48	91	51.90	95	99	93	95	97
August.....	4.50	106	2.06	70	16.86	109	18.39	90	51.68	95	99	94	95	96
September.....	4.50	106	2.97	68	16.90	107	18.27	90	51.54	95	99	95	95	96
October.....	4.50	106	2.97	68	16.78	102	18.33	90	51.07	95	97	95	94	95
November.....	4.50	106	2.97	68	14.15	91	18.36	90	50.92	94	95	95	95	94
December.....	4.50	106	2.95	67	14.15	91	18.24	89	50.92	94	95	92	95	95
<i>1890</i>														
Year average.....	4.50	106	2.87	65	13.45	87	17.17	84	47.39	88	84	82	88	86
January.....	4.50	106	2.86	65	14.65	95	18.19	89	49.97	88	94	90	92	93
February.....	4.50	106	2.91	66	14.92	96	18.02	88	49.56	92	92	89	92	91
March.....	4.50	106	2.91	66	14.88	96	17.75	87	49.82	92	89	88	91	90
April.....	4.50	106	2.91	66	14.30	92	17.73	87	48.36	90	90	86	91	89
May.....	4.50	106	2.83	65	13.71	89	17.90	86	47.58	88	88	83	90	89
June.....	4.50	106	2.80	64	13.31	86	17.48	86	47.26	88	85	82	88	87
July.....	4.50	106	2.80	64	13.08	85	17.16	84	46.57	86	81	80	87	84
August.....	4.50	106	2.89	66	13.29	86	16.90	83	46.19	86	82	79	86	84
September.....	4.50	106	2.91	66	13.70	89	16.70	82	45.99	85	82	78	86	84
October.....	4.50	106	2.91	66	12.77	83	16.31	80	45.65	85	80	77	85	83
November.....	4.50	106	2.83	65	11.28	73	16.21	79	45.58	85	77	76	84	81
December.....	4.50	106	2.80	64	11.28	73	15.95	78	45.27	84	74	75	83	80
<i>1891</i>														
Year average.....	4.50	106	2.74	62	9.79	68	15.51	76	45.16	84	66	69	77	73
January.....	4.50	106	2.80	64	11.80	73	15.90	78	45.82	84	73	74	82	78
February.....	4.50	106	2.90	64	11.15	72	15.80	77	45.83	85	71	73	80	77
March.....	4.50	106	2.80	64	11.10	72	15.71	77	45.52	84	70	73	80	76
April.....	4.50	106	2.80	64	10.83	70	15.79	77	45.34	84	68	72	78	75
May.....	4.50	106	2.74	62	9.94	64	15.76	77	45.07	84	67	70	77	73
June.....	4.50	106	2.69	61	9.39	61	15.62	77	44.98	83	65	69	76	72
July.....	4.50	106	2.69	61	9.25	60	15.66	76	45.34	84	64	69	76	72
August.....	4.50	106	2.69	61	8.35	60	15.51	76	45.11	84	64	68	75	72
September.....	4.50	106	2.69	61	9.12	59	15.44	76	45.11	84	63	67	76	71
October.....	4.50	106	2.69	61	8.78	57	15.21	75	45.09	84	62	65	75	70
November.....	4.50	106	2.69	61	8.61	56	14.97	73	44.98	83	62	65	75	70
December.....	4.50	106	2.62	60	8.61	56	14.86	73	44.31	82	60	64	73	69

Footnotes at end of table.

TABLE 261.—Iron ore, coke, steel scrap, pig iron, finished steel, raw materials, semimanufactured articles, finished products, and all commodities: United States price quotations and index numbers: Yearly averages, 1913-37; monthly averages, 1926-37—Continued

[1926 average=100. Price per long ton]

Year and month	Iron ore		Coke		Steel scrap		Pig iron		Finished steel		Raw materials	Semimanufactured articles	Finished products	All commodities
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index				
Year average.....	4.50	106	2.28	52	7.54	49	14.00	69	43.84	81	55	59	70	65
January.....	4.50	106	2.52	57	8.41	54	14.08	72	43.39	82	58	63	72	67
February.....	4.50	106	2.52	57	8.27	53	14.51	71	43.14	80	57	62	71	66
March.....	4.50	106	2.52	57	8.23	53	14.45	71	43.43	81	56	61	72	66
April.....	4.50	106	2.52	57	8.12	53	14.35	70	44.13	82	56	60	71	66
May.....	4.50	106	2.46	56	7.48	48	14.12	69	44.13	82	54	58	70	64
June.....	4.50	106	2.24	51	6.89	45	14.01	69	44.15	82	53	58	70	64
July.....	4.50	106	2.24	51	6.46	42	13.76	67	44.26	82	55	56	71	65
August.....	4.50	106	2.24	51	6.93	45	13.69	67	44.15	82	56	58	71	65
September.....	4.50	106	2.24	51	7.09	50	13.64	67	44.02	82	56	61	70	65
October.....	4.50	106	2.03	46	7.62	49	13.63	67	44.13	82	55	61	70	64
November.....	4.50	106	1.96	45	7.45	48	13.59	67	43.64	81	54	59	69	64
December.....	4.50	106	1.96	45	6.92	45	13.56	66	43.64	81	52	58	68	63
Year average.....	4.50	106	2.70	62	9.47	61	15.20	74	43.52	81	57	65	71	66
January.....	4.50	106	1.96	45	6.77	44	13.58	66	43.23	80	50	57	67	61
February.....	4.50	106	1.96	45	6.83	44	13.58	66	43.08	80	48	56	66	60
March.....	4.50	106	1.96	45	6.96	45	13.56	66	43.08	80	49	57	66	60
April.....	4.50	106	1.96	45	7.73	50	13.76	67	41.96	78	50	57	66	60
May.....	4.50	106	1.96	45	9.70	63	14.48	71	42.04	78	54	61	67	63
June.....	4.50	106	2.03	46	9.07	65	15.01	74	42.45	79	56	65	69	65
July.....	4.50	106	2.59	59	11.27	73	15.50	76	43.75	81	62	69	72	69
August.....	4.50	106	2.86	65	12.08	78	16.09	79	43.86	81	61	72	73	70
September.....	4.50	106	2.80	64	11.35	73	16.71	82	43.95	81	62	73	75	71
October.....	4.50	106	3.92	89	10.56	68	16.61	81	45.09	84	62	73	75	71
November.....	4.50	106	4.20	90	9.94	64	16.61	81	44.69	83	62	71	75	71
December.....	4.50	106	4.20	90	10.50	68	16.90	83	44.98	83	62	72	75	71

<b>1934</b>														
Year average.....	4.50	106	4.24	97	11.07	72	17.86	86	47.11	87	89	73	78	78
January.....	4.50	106	4.08	92	11.73	76	14.90	83	44.98	83	84	72	76	73
February.....	4.50	106	3.92	89	12.25	79	16.90	83	44.98	83	85	75	77	74
March.....	4.50	106	3.92	89	12.32	83	16.90	83	44.98	83	85	74	77	74
April.....	4.50	106	4.31	96	12.54	81	17.07	84	46.05	85	85	74	77	73
May.....	4.50	106	4.31	96	11.57	75	17.90	88	49.26	91	85	74	78	74
June.....	4.50	106	4.31	96	10.67	69	17.90	88	49.26	91	87	73	78	75
July.....	4.50	106	4.31	96	10.53	68	17.90	88	47.96	89	86	73	78	75
August.....	4.50	106	4.31	96	10.15	66	17.90	85	47.58	88	72	73	79	76
September.....	4.50	106	4.31	96	9.68	62	17.90	88	47.58	88	74	73	80	78
October.....	4.50	106	4.31	98	9.54	62	17.90	88	47.58	88	73	73	79	77
November.....	4.50	106	4.31	98	10.04	65	17.90	88	47.58	88	72	71	79	77
December.....	4.50	106	4.31	98	11.43	74	17.90	88	47.58	88	73	71	80	77
<b>1935</b>														
Year average.....	4.50	106	4.04	92	11.88	78	18.03	86	47.62	88	77	74	83	80
January.....	4.50	106	4.31	98	12.18	79	17.90	88	47.58	88	77	71	81	79
February.....	4.50	106	4.31	98	11.96	77	17.90	88	47.58	88	77	72	82	80
March.....	4.50	106	4.31	98	11.06	71	17.90	88	47.58	88	77	72	82	79
April.....	4.50	106	4.31	98	10.46	68	17.90	88	47.58	88	78	72	82	80
May.....	4.50	106	4.31	98	10.70	69	17.84	87	47.58	88	78	74	82	80
June.....	4.50	106	4.02	92	10.74	69	17.84	87	47.58	88	76	74	82	80
July.....	4.50	106	3.86	83	10.96	71	17.84	87	47.58	88	76	73	82	79
August.....	4.50	106	3.88	84	12.25	79	17.84	87	47.58	88	77	73	83	81
September.....	4.50	106	3.64	83	12.71	82	17.84	87	47.58	88	77	74	83	81
October.....	4.50	106	3.85	90	12.67	82	17.87	87	47.71	88	77	76	83	81
November.....	4.50	106	4.03	92	12.90	83	18.84	92	47.71	88	77	76	83	81
December.....	4.50	106	4.00	91	13.33	86	18.84	92	47.71	88	78	75	83	81
<b>1936</b>														
Year average.....	4.50	106	4.12	94	14.82	96	18.90	93	48.12	89	80	76	82	81
January.....	4.50	106	4.09	93	13.47	87	18.84	92	47.71	88	78	75	82	81
February.....	4.50	106	4.09	93	14.12	91	18.84	92	47.24	88	79	75	82	81
March.....	4.50	106	4.09	93	14.75	95	18.84	92	46.79	87	77	74	81	80
April.....	4.50	106	4.09	93	14.59	94	18.84	92	46.97	87	77	75	82	80
May.....	4.50	106	4.09	93	13.39	87	18.84	92	46.97	87	76	74	81	79
June.....	4.50	106	4.09	93	12.31	83	18.84	92	47.08	87	78	74	81	79
July.....	4.50	106	3.92	89	13.29	86	18.84	92	48.36	90	80	75	82	81
August.....	4.50	106	4.04	92	15.04	97	18.73	92	48.36	90	82	76	82	82
September.....	4.50	106	4.13	94	16.45	106	18.73	92	48.64	90	82	76	82	82
October.....	4.50	106	4.20	96	16.83	107	18.73	92	49.21	91	82	76	82	82
November.....	4.50	106	4.20	96	16.31	105	18.98	93	49.21	91	83	79	83	82
December.....	4.50	106	4.39	100	17.10	110	19.73	97	51.07	95	86	82	84	84

Footnotes at end of table

TABLE 261.—Iron ore, coke, steel scrap, pig iron, finished steel, raw materials, semimanufactured articles, finished products, and all commodities: United States price quotations and index numbers: Yearly averages, 1913-37; monthly averages, 1926-37—Continued

[1926 average=100. Price per long ton]

Year and month	Iron ore		Coke		Steel scrap		Pig iron		Finished steel		Raw materials	Semimanufactured articles	Finished products	All commodities
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index				
Year average..... 1937	\$4.87	115	\$4.80	110	\$18.02	116	\$22.74	111	\$57.23	106	85	85	87	86
January.....	4.80	108	4.48	102	18.34	119	20.25	99	52.19	97	88	85	85	86
February.....	4.50	106	4.63	106	19.27	125	20.50	100	52.19	97	88	86	85	86
March.....	4.84	114	4.82	110	21.25	137	22.85	112	57.12	108	90	90	86	88
April.....	4.95	117	5.04	115	21.02	136	23.25	114	58.35	108	89	90	87	88
May.....	4.95	117	5.15	117	18.54	120	23.25	114	58.35	108	87	88	88	87
June.....	4.95	117	5.15	117	17.28	112	23.25	114	58.35	108	86	87	88	87
July.....	4.95	117	4.87	111	18.79	121	23.25	114	58.35	108	87	87	89	88
August.....	4.95	117	4.87	111	20.43	132	23.25	114	58.35	108	85	87	89	88
September.....	4.95	117	4.78	109	18.73	121	23.25	114	58.35	108	84	85	89	87
October.....	4.95	117	4.76	108	15.89	108	23.25	114	58.35	108	81	83	88	85
November.....	4.95	117	4.76	108	13.34	86	23.25	114	58.35	108	77	80	87	83
December.....	4.95	117	4.48	102	13.36	86	23.25	114	58.35	108	75	78	85	82

<sup>1</sup> In the case of raw materials, semimanufactured articles, finished products, and all commodities, index numbers only are shown.

<sup>2</sup> Mesabi non-Bessemer. Wholesale price at lower Lake ports.

<sup>3</sup> Connellsville furnace coke. Wholesale price at oven.

<sup>4</sup> Steel scrap composite includes No. 1 heavy melting-steel scrap, average of Pittsburgh, Chicago, and Philadelphia wholesale price quotations.

<sup>5</sup> Pig iron composite includes price quotations on basic pig iron at Valley furnace and foundry pig iron at Chicago, Birmingham, Buffalo, Valley, and Philadelphia.

<sup>6</sup> Finished steel composite is based on wholesale price quotations on steel bars, shapes, plates, plain wire, open-hearth rails, black pipe, and black sheets for the period prior to 1920; hot-rolled strip being added for the subsequent period.

<sup>7</sup> Based on wholesale prices; indexes to nearest decimal.

Sources: Compiled by the U. S. Tariff Commission from price quotations in Iron Age for coke, pig iron, steel scrap, and finished steel; from the Annual Statistical Reports of the American Iron and Steel Institute for iron ore; and from the Bureau of Labor Statistics for the indexes of raw materials, semimanufactured articles, finished products, and all commodities.

TABLE 262.—Selected steel products: United States price quotations and index numbers: Yearly averages 1913-37; monthly averages 1926-37

[1926 average=100. Price per long ton, Pittsburgh]

Year and month	Open-hearth steel billets		Soft steel bars		Plates		Structural shapes		Hot-rolled strip <sup>1</sup>		Hot-rolled sheets (10-gage)		Hot-rolled annealed sheets (24-gage) <sup>2</sup>		Cold-rolled sheets (20-gage) <sup>3</sup>		Tin plate		Wire rods		Plain wire	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1913.....	\$25.79	74	\$34.72	78	\$33.60	80	\$33.60	77	-----	-----	-----	-----	-----	-----	-----	-----	\$79.52	65	\$28.39	63	\$33.82	66
1914.....	20.08	57	25.76	58	25.64	61	25.76	59	-----	-----	-----	-----	-----	-----	-----	-----	73.47	60	25.52	57	30.09	55
1915.....	22.44	64	26.34	66	29.34	70	29.34	67	-----	-----	-----	-----	-----	-----	-----	-----	71.46	56	28.29	53	33.15	59
1916.....	43.95	126	69.61	134	79.07	188	87.12	181	-----	-----	-----	-----	-----	-----	-----	-----	118.72	96	55.84	194	55.33	98
1917.....	70.78	262	81.31	182	131.71	313	82.21	188	-----	-----	-----	-----	-----	-----	-----	-----	204.06	166	79.77	177	76.83	137
1918.....	47.33	135	64.74	145	72.58	172	66.68	153	\$87.36	170	-----	-----	-----	-----	-----	-----	173.15	141	57.00	127	72.80	130
1919.....	40.51	116	56.00	125	60.93	145	56.67	130	73.02	142	-----	-----	-----	-----	-----	-----	154.59	129	53.98	120	69.66	124
1920.....	56.22	161	72.13	161	73.47	175	66.06	161	110.88	215	\$104.38	197	-----	-----	-----	-----	168.67	137	69.55	155	79.07	141
1921.....	84.46	99	41.89	94	43.23	103	43.46	100	56.78	108	61.15	116	-----	-----	-----	-----	132.16	107	45.94	102	62.27	111
1922.....	33.95	97	38.53	86	38.53	92	38.30	88	53.31	104	53.98	102	-----	-----	-----	-----	105.95	86	40.49	90	51.74	92
1923.....	41.70	119	52.86	118	54.43	126	54.43	125	68.10	132	64.30	125	-----	-----	-----	-----	121.41	99	50.39	112	60.48	106
1924.....	37.97	109	49.28	110	47.49	113	49.06	112	57.57	112	62.50	118	-----	-----	-----	-----	123.30	100	48.31	107	59.14	108
1925.....	35.62	102	45.35	101	42.78	102	44.58	102	60.85	99	54.98	103	-----	-----	-----	-----	123.30	100	46.05	102	56.45	101
<b>1926</b>																						
Year average....	35.00	100	44.80	100	42.11	100	43.68	100	51.52	100	53.00	100	\$66.53	100	\$95.20	100	123.30	100	45.00	100	56.00	100
January.....	35.00	100	44.80	100	41.64	99	42.56	97	51.52	100	56.00	106	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
February.....	35.00	100	44.80	100	40.82	95	42.56	97	51.52	100	56.00	106	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
March.....	35.00	100	44.80	100	41.66	99	42.56	97	51.52	100	56.00	106	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
April.....	35.00	100	44.80	100	42.56	101	42.56	97	51.52	100	54.43	103	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
May.....	35.00	100	43.68	98	41.66	99	42.56	97	51.52	100	53.76	101	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
June.....	35.00	100	44.80	100	42.11	100	43.46	100	51.52	100	51.97	98	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
July.....	35.00	100	44.80	100	42.56	101	44.80	103	51.52	100	51.52	97	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
August.....	35.00	100	44.80	100	42.56	101	42.56	102	51.52	100	51.52	97	-----	-----	-----	-----	123.30	100	45.00	100	56.00	100
September.....	35.00	100	44.80	100	42.56	101	44.80	103	51.52	100	51.52	97	64.96	98	95.20	100	123.30	100	45.00	100	56.00	100
October.....	35.00	100	44.80	100	42.56	101	44.80	103	51.52	100	51.52	97	66.53	100	95.20	100	123.30	100	45.00	100	56.00	100
November.....	35.00	100	44.80	100	42.56	101	44.80	103	51.52	100	51.52	97	67.20	101	95.20	100	123.30	100	45.00	100	56.00	100
December.....	35.00	100	44.80	100	42.56	101	44.80	103	51.52	100	51.52	97	67.20	101	95.20	100	123.30	100	45.00	100	56.00	100

See footnotes at end of table.

IRON AND STEEL



TABLE 262.—Selected steel products: United States price quotations and index numbers: Yearly averages 1913-37; monthly averages 1926-37—Continued

[1926 average=100. Price per long ton, Pittsburgh]

Year and month	Open-hearth steel billets		Soft steel bars		Plates		Structural shapes		Hot-rolled strip		Hot-rolled sheets (10-gage)		Hot-rolled annealed sheets (24-gage)		Cold-rolled sheets (20-gage)		Tin plate		Wire rods		Plain wire	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
<b>1927</b>																						
Year average....	\$33.27	95	\$41.22	92	\$40.77	97	\$40.99	94	\$50.62	98	\$49.28	93	\$64.51	97	\$93.41	98	\$122.75	100	\$42.44	94	\$53.98	96
January.....	35.00	100	44.25	99	42.56	101	44.25	102	52.42	102	50.40	95	65.18	98	93.63	98	123.20	100	45.00	100	55.78	100
February....	33.00	94	42.56	95	41.66	99	42.56	97	49.60	96	49.28	93	62.72	94	92.96	98	123.20	100	43.00	96	53.98	96
March.....	34.00	97	42.56	95	41.44	98	42.56	97	51.52	100	49.28	93	61.60	93	92.96	98	123.20	100	43.00	95	53.76	98
April.....	33.25	95	42.34	95	41.44	98	42.11	96	51.52	100	48.83	92	61.36	92	92.96	98	123.20	100	42.25	94	53.76	98
May.....	33.00	94	41.44	93	41.22	98	40.32	92	51.52	100	49.73	94	64.08	96	92.96	98	123.20	100	42.00	93	53.76	98
June.....	33.00	94	40.54	91	40.32	96	40.32	92	51.52	100	50.40	95	67.20	101	95.20	100	123.20	100	42.00	93	53.76	96
July.....	33.00	94	40.32	90	40.32	96	40.32	92	51.52	100	50.40	95	67.20	101	95.20	100	123.20	100	42.25	94	53.76	96
August.....	33.00	94	40.32	90	40.32	96	40.32	92	51.52	100	50.40	95	67.20	101	95.20	100	123.20	100	43.00	96	53.76	96
September..	33.00	94	39.87	89	39.87	95	39.87	91	51.52	100	50.40	95	67.20	101	95.20	100	123.20	100	43.00	96	53.76	96
October....	33.00	94	39.20	88	39.20	93	39.20	90	49.06	95	47.94	90	64.96	98	92.96	98	123.20	100	42.75	95	53.76	96
November..	33.00	94	39.65	89	39.65	94	39.65	91	47.04	91	47.04	89	62.27	94	92.29	94	123.20	100	41.00	91	53.76	95
December..	33.00	94	40.32	90	40.32	96	40.32	92	45.47	88	47.04	89	62.05	93	89.60	94	117.60	96	40.00	89	53.76	96
<b>1928</b>																						
Year average....	32.69	93	41.89	94	41.89	100	41.88	96	43.23	84	45.70	86	61.60	93	90.27	95	117.60	96	42.55	95	54.88	98
January.....	33.00	94	40.54	91	40.54	96	40.54	93	45.02	87	47.04	89	62.72	94	89.60	94	117.60	96	41.60	92	53.76	96
February....	33.00	94	41.44	93	41.44	98	41.44	95	46.59	90	47.04	89	64.96	98	91.39	96	117.60	96	43.00	96	55.55	99
March.....	33.00	94	41.44	93	41.44	98	41.44	95	47.04	91	47.04	89	64.74	97	92.96	98	117.60	96	44.00	98	56.00	100
April.....	33.00	94	41.44	93	41.44	98	41.44	95	47.04	91	46.59	88	62.05	93	90.50	95	117.60	96	44.00	98	56.00	100
May.....	33.00	94	41.44	93	41.44	98	41.44	95	43.90	85	44.80	84	60.70	91	89.60	94	117.60	96	44.00	98	56.00	100
June.....	33.25	95	41.44	93	41.44	98	41.44	95	41.44	80	44.80	84	59.36	89	89.60	94	117.60	96	42.00	93	56.00	100
July.....	32.00	92	41.44	93	41.44	98	41.44	95	41.44	80	44.80	84	58.69	88	89.60	94	117.60	96	42.00	93	54.21	97
August.....	32.00	92	42.56	95	42.56	101	42.56	97	41.44	80	44.80	84	59.36	89	89.60	94	117.60	96	42.00	93	53.76	96
September..	32.00	92	42.56	95	42.56	101	42.56	97	41.44	80	44.80	84	59.36	89	89.60	94	117.60	96	42.00	93	53.76	96
October....	32.80	94	42.78	96	42.56	101	42.56	97	41.44	80	44.80	84	61.60	93	89.60	94	117.60	96	42.00	93	53.76	96
November..	33.00	94	43.46	97	42.56	101	42.56	97	42.11	82	44.80	84	61.60	93	89.60	94	117.60	96	42.00	93	53.76	96
December..	33.00	94	42.56	95	42.56	101	42.56	97	40.32	78	46.59	88	63.39	95	91.39	96	117.60	96	42.00	93	55.55	99

1929		1930		1931																		
Year average...	34.66	99	43.01	96	43.23	103	43.01	99	42.11	82	47.49	90	62.29	95	60.94	95	119.84	97	41.30	92	54.16	95
January	33.00	94	42.56	95	42.56	101	42.56	97	42.11	78	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
February	32.00	94	42.56	95	42.56	101	42.56	97	42.11	78	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
March	34.00	97	42.56	95	42.56	101	42.56	97	42.11	78	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
April	34.80	99	43.68	98	43.68	104	43.68	100	42.56	83	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
May	36.00	103	43.68	98	43.68	104	43.68	100	42.56	83	47.71	90	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
June	35.25	101	43.68	98	43.68	104	43.68	100	42.56	83	49.28	93	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
July	35.00	100	43.68	98	43.68	104	43.68	100	42.56	83	47.94	90	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
August	35.00	100	43.68	98	43.68	104	43.68	100	42.56	83	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
September	35.00	100	43.68	98	43.68	104	43.68	100	42.56	83	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
October	35.00	100	43.68	98	43.68	104	43.68	100	42.56	83	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
November	35.00	100	43.68	98	43.68	104	43.68	100	42.56	83	47.04	89	63.84	95	61.84	95	119.84	97	42.00	93	56.00	100
December	34.60	99	42.56	95	42.56	101	42.56	97	42.56	83	48.83	92	61.00	93	59.18	94	119.84	97	40.00	89	53.76	96
Year average...	31.84	91	38.30	86	37.86	90	37.86	87	37.63	73	44.58	84	56.00	84	81.54	86	116.26	94	36.91	82	53.19	88
January	34.00	97	42.34	95	40.99	97	40.99	94	40.32	78	47.04	89	59.36	89	87.36	92	117.00	95	40.00	89	53.76	96
February	33.00	94	41.44	93	40.32	96	40.32	92	40.32	78	47.04	89	58.46	88	87.36	92	117.00	95	39.75	88	53.76	96
March	33.00	94	41.44	93	40.32	96	40.32	92	40.10	78	47.04	89	59.36	89	86.91	91	117.00	95	38.00	84	53.76	96
April	33.00	94	40.10	90	40.32	96	40.32	92	39.08	74	46.14	87	57.12	85	85.12	89	117.00	95	38.00	84	53.76	96
May	32.50	93	39.20	88	38.75	92	38.75	89	38.08	74	44.80	84	57.12	86	84.00	88	117.00	95	36.00	80	51.52	92
June	31.00	89	38.75	87	37.86	90	37.86	87	37.86	74	44.80	84	57.12	86	81.76	86	117.00	95	34.00	80	51.52	92
July	31.00	89	38.75	87	37.86	90	37.86	87	37.86	74	44.80	84	55.78	84	80.64	85	117.00	95	36.00	80	51.52	92
August	31.00	89	38.74	87	38.06	88	38.06	88	38.06	72	43.23	81	54.66	82	80.64	85	117.00	95	36.00	80	51.52	92
September	31.00	89	38.06	81	35.84	85	35.84	82	36.96	72	42.56	80	54.21	81	78.40	82	117.00	95	36.00	80	51.52	92
October	31.00	89	35.84	80	35.84	85	35.84	82	35.84	70	42.56	80	52.96	79	77.28	81	112.00	91	36.00	80	51.52	92
November	31.00	89	35.84	80	35.84	85	35.84	82	35.39	69	42.56	80	52.94	79	75.71	80	112.00	91	35.00	80	51.52	92
December	30.60	87	35.84	80	35.84	85	35.84	82	34.72	67	42.56	80	52.64	79	73.92	78	112.00	91	35.20	78	49.73	89
Year average...	29.36	84	36.51	82	36.29	86	36.29	83	34.50	67	41.66	79	52.19	78	70.11	74	110.66	90	35.03	78	49.28	88
January	30.00	86	36.74	82	36.74	87	36.74	84	34.72	67	42.56	80	52.64	79	73.92	78	112.00	91	35.00	78	49.28	88
February	30.00	86	36.96	83	36.96	88	36.96	85	34.72	67	42.56	80	52.64	79	87.36	92	112.00	91	35.00	78	49.28	88
March	30.00	86	36.96	83	36.96	88	36.96	85	34.72	67	42.56	80	51.74	78	72.58	78	112.00	91	35.00	78	49.28	88
April	30.00	86	36.96	83	36.96	88	36.96	85	34.72	67	41.44	78	50.40	76	69.44	79	112.00	91	35.00	78	49.28	88
May	29.50	84	36.96	83	36.96	88	36.96	85	34.72	67	41.44	78	48.18	72	67.87	72	112.00	91	35.00	78	49.28	88
June	29.00	83	36.96	83	36.96	88	36.96	85	34.72	67	41.44	78	49.28	74	67.65	71	112.00	91	35.00	78	49.28	88
July	29.00	83	36.51	82	36.51	87	36.51	84	34.72	67	41.44	78	53.76	81	69.44	73	112.00	91	35.00	78	49.28	88
August	29.00	83	35.84	80	35.84	85	35.84	82	34.72	67	41.44	78	53.76	81	69.44	73	112.00	91	35.00	78	49.28	88
September	29.00	83	35.84	80	35.84	85	35.84	82	34.72	67	41.44	78	53.76	81	69.44	73	112.00	91	35.00	78	49.28	88
October	29.00	82	35.84	80	35.84	85	35.84	82	34.50	67	41.44	78	53.76	81	69.44	73	106.40	86	35.00	78	49.28	88
November	29.00	82	35.84	80	35.84	85	35.84	82	33.60	65	41.44	78	53.76	81	69.44	73	106.40	86	35.00	78	49.28	88
December	28.60	82	35.39	79	34.50	82	33.60	77	33.88	66	40.32	76	52.64	79	67.65	71	106.40	86	35.40	79	49.28	88

See footnotes at end of table.

IRON AND STEEL

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TABLE 262.—Selected steel products: United States price quotations and index numbers: Yearly averages 1913-37; monthly averages 1926-37—  
Continued

[1926 average=100. Prices per long ton, Pittsburgh]

Year and month	Open-hearth steel billets		Soft steel bars		Plates		Structural shapes		Hot-rolled strip		Hot-rolled sheets (10-gage)		Hot-rolled annealed sheets (24-gage)		Cold-rolled sheets (20-gage)		Tin plate		Wire rods		Plain wire		
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	
<b>1932</b>																							
Year average...	\$26.51	76	\$35.17	79	\$31.17	84	\$35.17	81	\$32.03	62	\$38.30	72	\$48.61	73	\$62.72	66	\$105.06	85	\$37.00	82	\$49.28	88	
January....	27.75	79	33.60	75	33.60	80	33.60	77	31.58	61	39.20	74	49.78	75	64.96	68	106.40	86	37.00	82	49.28	88	
February...	27.00	77	33.60	75	33.60	80	33.60	77	31.86	61	39.20	74	48.16	72	62.72	66	106.40	86	37.00	82	49.28	88	
March.....	27.00	77	34.05	76	34.05	81	34.05	78	31.86	61	38.30	72	49.08	74	64.06	68	106.40	86	37.00	82	49.28	88	
April.....	27.00	77	35.84	80	35.84	85	35.84	82	31.36	61	38.08	72	49.28	74	64.96	68	106.40	86	37.00	82	49.28	88	
May.....	27.00	77	35.84	80	35.84	85	35.84	82	31.36	61	38.08	72	49.28	74	64.74	68	106.40	86	37.00	82	49.28	88	
June.....	26.50	76	35.84	80	35.84	85	35.84	82	31.58	61	38.08	72	49.28	74	63.84	67	106.40	86	37.00	82	49.28	88	
July.....	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	38.08	72	49.28	74	63.84	67	106.40	86	37.00	82	49.28	88	
August.....	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	38.08	72	48.38	74	62.94	66	106.40	86	37.00	82	49.28	88	
September..	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	38.08	72	47.04	71	61.60	65	106.40	86	37.00	82	49.28	88	
October....	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	38.08	72	48.61	73	59.36	62	106.40	86	37.00	82	49.28	88	
November...	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	38.08	72	47.04	71	58.91	62	101.92	83	37.00	82	49.28	88	
December..	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	38.08	72	47.04	71	59.36	62	95.20	77	37.00	82	49.28	88	
<b>1933</b>																							
Year average...	26.00	74	36.74	82	36.06	86	37.63	86	35.39	69	36.29	68	47.94	72	55.55	58	99.23	81	35.15	78	47.26	84	
January....	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	36.29	68	45.25	68	52.64	55	95.20	77	35.80	80	48.38	86	
February...	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	35.84	68	44.80	67	50.40	53	95.20	77	35.00	78	47.04	84	
March.....	26.00	74	35.84	80	35.84	85	35.84	82	32.48	63	34.72	65	44.80	67	51.52	54	95.20	77	35.00	78	47.04	84	
April.....	26.00	74	35.84	80	34.72	82	35.84	82	32.48	63	34.72	65	44.80	67	51.52	54	95.20	77	35.00	78	47.04	84	
May.....	26.00	74	35.84	80	33.60	80	35.84	82	33.36	65	32.26	61	45.70	69	52.42	55	95.20	77	35.00	78	47.04	84	
June.....	26.00	74	35.84	80	34.27	81	35.84	82	34.72	67	33.60	63	47.04	71	51.30	54	95.20	77	35.00	78	47.04	84	
July.....	26.00	74	35.84	80	35.84	85	35.84	82	35.84	70	36.96	70	50.40	76	53.76	56	95.20	77	35.00	78	47.04	84	
August.....	26.00	74	35.84	80	35.84	85	35.84	82	36.74	71	36.96	70	50.40	76	55.33	58	95.20	77	35.00	78	47.04	84	
September..	26.00	74	35.84	80	35.84	85	35.84	82	37.63	73	37.63	71	50.40	76	61.60	65	104.16	85	35.00	78	47.04	84	
October....	26.00	74	39.20	88	38.08	90	38.08	87	39.20	76	39.20	74	50.40	76	61.60	65	104.16	85	35.00	78	47.04	84	
November...	26.00	74	39.20	88	38.08	90	38.08	87	39.20	76	39.20	74	50.40	76	61.60	65	104.16	85	35.00	78	47.04	84	
December..	26.00	74	39.20	88	38.08	90	38.08	87	39.20	76	39.20	74	50.40	76	61.60	65	117.60	96	36.00	80	49.28	88	

1884		1885		1886																		
Year average...	27.10	77	40.54	91	29.57	95	39.37	91	41.44	80	41.44	76	53.98	81	66.30	70	117.00	95	37.37	85	30.65	91
January	26.00	74	39.20	88	28.09	90	38.06	87	39.20	78	39.20	74	20.40	78	61.00	65	117.00	95	38.00	80	49.26	88
February	26.00	74	39.20	88	28.09	90	38.06	87	39.20	78	39.20	74	20.40	78	61.00	65	117.00	95	38.00	80	49.26	88
March	26.00	74	39.20	88	28.09	90	38.06	87	39.20	78	39.20	74	20.40	78	61.00	65	117.00	95	38.00	80	49.26	88
April	26.76	76	40.10	90	28.98	93	38.98	89	40.54	79	40.54	76	52.64	79	63.84	67	117.00	95	38.50	81	49.95	89
May	26.00	83	42.56	95	41.44	98	41.44	95	44.80	87	44.80	84	59.36	89	70.56	74	117.00	95	38.00	84	51.52	92
June	29.00	83	42.56	95	41.44	98	41.44	95	44.80	87	44.80	84	59.36	89	70.56	74	117.00	95	38.00	84	51.52	92
July	27.40	78	40.77	91	40.54	96	40.54	98	42.11	82	42.11	79	55.33	83	66.98	70	117.00	95	38.00	84	51.52	92
August	27.00	77	40.32	90	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
September	27.00	77	40.32	90	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
October	27.00	77	40.32	90	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
November	27.00	77	40.32	90	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
December	27.00	77	40.32	90	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
Year average...	27.25	78	40.54	91	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.21	85	51.52	92
January	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
February	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
March	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
April	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
May	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
June	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
July	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
August	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
September	27.00	77	40.32	90	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
October	27.00	77	41.44	93	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	51.52	92
November	28.00	80	41.44	93	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.50	86	51.52	92
December	30.00	83	41.44	93	40.32	95	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	40.00	89	51.52	92
Year average...	29.68	85	43.23	97	41.44	98	41.44	95	42.78	83	43.01	81	55.78	84	67.65	71	117.00	95	39.12	87	53.96	95
January	29.00	83	41.44	93	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	40.00	89	51.52	92
February	29.00	83	41.44	93	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	40.00	89	51.52	92
March	28.20	81	41.44	93	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.40	85	51.52	92
April	28.00	80	41.44	93	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	53.76	95
May	28.00	80	41.44	93	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	53.76	95
June	28.00	80	41.44	93	40.32	96	40.32	92	41.44	80	41.44	78	53.76	81	66.08	69	117.00	95	38.00	84	53.76	95
July	30.00	86	43.68	98	42.56	101	42.56	97	43.68	85	43.68	82	56.00	84	68.32	72	117.00	95	38.00	84	53.76	95
August	30.00	86	43.68	98	42.56	101	42.56	97	43.68	85	43.68	82	56.00	84	68.32	72	117.00	95	38.00	84	53.76	95
September	30.00	86	44.13	99	42.56	101	42.56	97	43.68	85	43.68	82	56.00	84	68.32	72	117.00	95	38.00	84	53.76	95
October	32.00	91	45.92	103	42.56	101	42.56	97	43.68	85	43.68	82	58.24	88	68.32	72	117.00	95	40.00	89	56.00	100
November	32.00	91	45.92	103	42.56	101	42.56	97	43.68	85	43.68	82	58.24	88	68.32	72	117.00	95	40.00	89	56.00	100
December	32.00	91	45.92	103	42.56	101	42.56	97	43.68	85	43.68	82	58.24	88	68.32	72	117.00	95	40.00	89	56.00	100

See footnotes at end of table.

IRON AND STEEL

TABLE 262.—Selected steel products: United States price quotations and index numbers: Yearly averages 1913-37; monthly averages 1926-37—Continued

[1926 average= 100. Price per long ton, Pittsburgh]

Year and month	Open-hearth steel billets		Soft steel bars		Plates		Structural shapes		Hot-rolled strip		Hot-rolled sheets (10-gage)		Hot-rolled annealed sheets (24-gage)		Cold-rolled sheets (20-gage)		Tin plate		Wire rods		Plain wire			
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index		
1937																								
Year average...	\$36.45	104	\$53.76	120	\$49.50	118	\$49.50	113	\$52.64	102	\$52.64	99	\$69.22	104	\$78.18	82	\$116.93	95	\$46.27	102	\$63.62	114		
January	34.00	97	49.28	110	45.92	109	45.92	105	48.16	94	48.16	91	62.72	94	72.80	76	108.64	88	43.00	96	58.24	104	104	
February	34.00	97	49.28	110	45.92	109	45.92	105	48.16	94	48.16	91	62.72	94	72.80	76	108.64	88	43.00	96	58.24	104	104	
March	36.40	104	53.54	119	49.28	117	49.28	113	52.42	102	52.42	99	68.99	104	77.95	82	108.64	88	46.20	102	63.39	113	113	
April	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	117.84	95	47.00	104	64.96	116	116	
May	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
June	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
July	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
August	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
September	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
October	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
November	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	
December	37.00	106	54.88	123	50.40	120	50.40	115	53.76	104	53.76	101	70.56	106	79.52	84	119.84	97	47.00	104	64.96	116	116	

<sup>1</sup> Prices quoted only on strip wider than 6 inches prior to June 1, 1932.

<sup>2</sup> Prices on this gage not quoted in Iron Age prior to Sept. 1, 1926.

<sup>3</sup> Automobile body and light cold-rolled sheets. Automobile body classification dropped in November 1932. Quotations for 1933-37 are on light cold-rolled sheets. Quotations on 20-gage not reported in Iron Age prior to Sept. 1, 1926.

Source: Compiled by the U. S. Tariff Commission from price quotations appearing in Iron Age.

TABLE 203-A.—Selected steel products: Continental European export price quotations, yearly averages, 1926-33. F. o. b., channel or northern seaports

Year and country	Merchant bars		Structural shapes		Plates (ship, bridge, and tank)		Sheets, black, 24-gage	
	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton
<b>1926</b>								
Belgium.....	5-3-0	25.61	4-10-6	24.56	5-11-4	27.48	10-5-2	30.64
France.....	5-3-9	25.61	4-10-5	24.64	5-10-8	27.31	10-5-4	30.68
Germany.....	5-4-7	26.81	4-10-9	24.62	5-16-0	28.63	11-5-8	35.63
<b>1927</b>								
Belgium.....	4-16-1	23.73	4-13-4	23.08	6-0-5	29.74	9-17-7	48.79
France.....	4-16-1	23.73	4-11-9	22.66	6-0-8	29.80	9-17-7	48.79
Germany.....	4-18-10	24.41	4-18-1	24.22	6-6-4	30.95	11-4-2	35.36
<b>1928</b>								
Belgium.....	5-13-7	28.08	4-16-9	23.92	6-5-7	31.05	10-9-9	31.85
France.....	5-13-7	28.08	4-16-8	23.90	6-5-7	31.05	10-9-8	31.77
Germany.....	5-13-9	28.12	4-16-7	23.88	6-7-10	31.60	11-11-9	37.29
<b>1929</b>								
Belgium.....	5-15-1	28.40	5-1-6	25.04	6-5-8	31.01	10-11-9	32.25
France.....	5-15-1	28.40	5-1-6	25.04	6-5-8	31.01	10-11-9	32.25
Germany.....	5-15-5	28.72	5-3-3	25.23	6-5-7	30.99	10-17-11	38.77
<b>1930</b>								
Belgium.....	4-16-9	23.90	4-12-3	22.79	5-16-1	28.67	9-9-8	46.85
France.....	4-17-0	23.96	4-12-3	22.79	5-14-5	28.26	9-9-8	46.85
Germany.....	4-18-2	24.25	4-12-10	22.63	5-16-0	28.66	9-10-5	47.03
<b>1931</b>								
Belgium.....	3-9-10	17.27	3-5-3	16.13	4-12-1	22.77	8-0-1	39.58
France.....	3-9-10	17.27	3-5-2	16.11	4-1-3	20.09	8-0-0	39.56
Germany.....	3-10-9	17.49	3-6-2	16.35	4-3-5	20.62	7-17-10	39.02
<b>1932</b>								
Belgium.....	2-9-2	12.16	2-4-4	10.96	2-18-4	14.42	5-16-6	28.80
France.....	2-9-2	12.16	2-4-6	11.00	2-18-4	14.42	6-10-2	32.18
Germany.....	2-10-4	12.44	2-6-0	11.37	3-0-2	14.88	6-9-5	32.00

Note.—Continental export prices for iron and steel products were quoted in pounds sterling until Sept. 21, 1931, when Great Britain suspended specie payments; thereafter they were quoted in pounds gold. Pounds sterling were converted at average exchange rates until Sept. 21, 1931, after which the parity of the pound gold, \$4.8666 was used.

Source: Iron Trade Review, 1926-June 1930; Steel, July 1930-32.

TABLE 263-B.—Selected steel products: Continental European export price quotations, monthly averages, March, June, September, and December, 1933-37. F. o. b. channel or northern seaports

	Billets		Merchant bars		Plates, 5 m/m		Structural shapes		Strip	
	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton
<i>1933</i>										
March.....	2-2-0	10.38	2-8-6	11.99	3- 5-0	16.07	2- 2-6	10.51	3-10-0	17.31
June.....	2-7-0	14.19	3-0-0	18.11	3-18-6	23.70	2-15-0	16.60	3-12-6	21.89
September.....	2-7-0	17.29	3-0-0	22.07	3-18-6	28.88	2-15-0	20.24	3-15-0	27.59
December.....	2-7-0	18.21	3-2-6	24.22	4- 1-0	31.39	2-17-6	22.28	3-15-0	29.06
<i>1934</i>										
March.....	2-7-0	19.67	3-5-0	27.21	4- 2-6	34.53	3- 0-0	25.12	4- 0-0	33.49
June.....	2-7-0	19.67	3-3-9	26.69	4- 2-6	34.53	3- 1-6	25.74	4- 0-0	33.49
September.....	2-7-0	19.67	3-3-9	26.69	4- 2-6	34.53	3- 1-6	25.74	4- 0-0	33.49
December.....	2-7-0	19.67	3-3-9	26.69	4- 2-6	34.53	3- 1-6	25.74	4- 0-0	33.49
<i>1935</i>										
March.....	2-7-0	19.67	3-3-0	26.69	4- 2-6	34.53	3- 1-6	25.74	4- 0-0	33.49
June.....	2-7-0	19.67	3-3-0	26.69	4- 2-6	34.53	3- 1-6	25.74	4- 0-0	33.49
September.....	2-7-0	19.67	3-3-9	26.69	4- 5-0	35.58	3- 1-6	25.74	4- 0-0	33.49
December.....	2-7-0	19.67	3-3-9	26.69	4- 5-0	35.58	3- 1-6	25.74	4- 0-0	33.49
<i>1936</i>										
March.....	2-7-0	19.67	3-3-0	26.69	4- 5-0	35.58	3- 1-6	25.74	4- 0-0	33.49
June.....	2-7-0	19.67	3-3-9	26.69	4- 5-0	35.58	3- 1-6	25.74	4- 0-0	33.49
September.....	2-7-0	19.67	3-5-0	27.21	4- 5-0	35.58	3- 1-6	25.74	4- 0-0	33.49
December.....	2-7-0	19.67	3-5-0	27.21	5- 0-0	41.86	3- 1-6	25.74	4- 0-0	33.49
<i>1937</i>										
March.....	3-7-0	28.05	5-0-0	41.86	5-15-0	48.14	4-17-6	40.81	6- 0-0	50.23
June.....	4-7-6	36.83	5-0-0	41.86	6- 2-6	51.28	4-17-6	40.81	6-10-0	54.42
September.....	5-7-6	45.00	6-0-0	50.23	7- 2-6	59.65	5- 7-6	45.00	6-10-0	54.42
December.....	5-7-6	45.00	6-0-0	50.23	7- 2-6	59.65	5- 7-6	45.00	6-10-0	54.42

	Sheets, black, 24-gage		Wire rods		Plain wire, bare		Galvanized wire, bare		Standard rails	
	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton	Pounds gold per metric ton	Dollars per long ton
<b>1933</b>										
March.....	5-16-6	26.80	4-10-0	22.25	5-7-4	26.56	6-6-0	31.15	5-10-0	37.20
June.....	5-18-0	26.62	4-10-0	27.17	5-7-4	32.45	6-6-0	33.04	5-10-0	33.21
September.....	6-0-0	44.15	4-10-0	33.11	5-7-4	39.55	6-6-0	45.35	5-10-0	40.47
December.....	6-0-0	43.80	4-10-0	34.88	5-7-4	41.66	6-6-0	46.33	5-10-0	42.68
<b>1934</b>										
March.....	5-18-0	49.39	4-10-0	37.67	5-7-4	45.00	6-7-4	53.37	5-10-0	46.05
June.....	5-15-0	48.14	4-10-0	37.67	5-7-4	45.00	6-7-4	53.37	5-10-0	46.05
September.....	5-15-0	48.14	4-10-0	37.67	5-7-4	45.00	6-7-4	53.37	5-10-0	46.05
December.....	5-15-0	48.56	4-10-0	37.67	5-7-4	45.00	6-7-4	53.37	5-10-0	46.05
<b>1935</b>										
March.....	5-16-0	48.56	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
June.....	5-16-0	48.56	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
September.....	5-16-0	48.56	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
December.....	5-16-0	48-56	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
<b>1936</b>										
March.....	5-16-0	48.56	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
June.....	5-16-0	48.56	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
September.....	6-10-0	54.42	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
December.....	6-5-0	52.32	4-10-0	37.67	5-8-0	43.95	5-17-6	49.19	5-10-0	46.05
<b>1937</b>										
March.....	7-15-0	64.88	6-0-0	50.23	7-0-0	58.60	8-0-0	66.98	5-15-0	48.14
June.....	8-10-0	71.16	7-0-0	58.60	7-10-0	62.79	8-0-0	66-98	5-15-0	48.14
September.....	8-15-0	73.25	6-2-6	51.26	7-0-0	58.60	8-15-0	73.25	5-15-0	48.14
December.....	8-15-0	73.25	6-0-0	50.23	7-0-0	58.60	8-15-0	73.25	5-15-0	48.14

NOTE.—Pounds gold converted to United States dollars at the following rates: For 1933, March, \$4.8966; June, \$5.9421; September, \$7.2420; December, \$7.6279. These rates are computed on the basis of the exchange value of the Swiss franc, which currency was

the most stable during 1933; for 1934 and subsequent years, \$8.2307, the rate quoted by the Federal Reserve Board was used.

Source: Steel.



TABLE 264.—Selected steel products: United Kingdom export price quotations; Yearly averages, 1926-32; monthly averages, March, June, September, and December 1933-37. F. o. b. ports of shipment, prices per long ton

Year	Merchant bars		Structural shapes		Plates (ship, bridge, and tank)		Sheets, black (24 gage)		Sheets, galvanized (24 gage), corrugated		Tin plate		
	Pounds sterling	Dollars	Pounds sterling	Dollars	Pounds sterling	Dollars	Pounds sterling	Dollars	Pounds sterling	Dollars	Base box of 108 pounds		Per long ton
											Pounds sterling	Dollars	Dollars
1926.....	7-6-2	35.50	6-8-1	31.11	7-3-2	34.78	10-10-5	51.11	16-10-6	80.28	1-0-6	4.98	103.29
1927.....	7-10-11	36.68	6-10-0	33.05	7-15-4	37.75	10-19-10	53.42	14-9-9	70.42	0-19-1	4.64	96.24
1928.....	7-5-8	35.44	7-6-11	35.75	8-1-11	39.40	10-6-4	50.20	13-6-9	64.90	0-18-3	4.44	92.09
1929.....	8-1-10	39.31	7-7-6	35.82	8-2-6	39.46	10-0-2	48.62	13-7-2	64.88	0-18-6	4.49	93.13
1930.....	7-12-4	38.49	7-15-0	37.68	8-5-0	40.11	9-16-3	47.71	11-15-2	57.17	0-17-10	4.34	90.01
1931.....	7-6-8	33.27	7-15-0	35.15	8-5-0	37.41	8-15-0	39.68	10-2-8	45.95	0-14-9	3.34	69.27
1932.....	6-3-10	21.71	7-7-6	25.86	8-15-0	30.68	8-3-9	28.71	9-13-5	33.91	0-15-4	2.69	55.79
1933*													
March.....	6-10-0	22.31	7-7-6	25.32	8-10-0	29.18	8-10-0	29.18	10-10-0	36.04	0-15-9	2.70	56.07
June.....	6-10-0	26.88	7-7-6	26.50	8-5-0	34.12	8-12-6	35.67	10-12-6	43.94	0-17-0	3.52	72.91
September.....	6-15-0	31.49	7-7-6	34.40	8-5-0	33.48	9-0-0	41.98	11-0-0	51.31	0-16-9	3.91	81.03
December.....	6-15-0	34.53	7-7-6	37.73	8-0-0	40.93	9-5-0	47.32	11-5-0	57.55	0-17-0	4.35	90.19
1934													
March.....	7-5-0	36.93	7-7-6	37.57	8-0-0	40.75	9-5-0	47.12	11-5-0	57.31	0-16-6	4.20	87.17
June.....	7-10-0	37.96	7-7-6	37.23	8-0-0	40.39	9-5-0	46.70	11-5-0	56.79	0-17-3	4.35	90.30
September.....	7-10-0	37.46	7-7-6	36.83	8-0-0	39.95	9-5-0	46.20	11-5-0	56.18	0-18-2	4.54	94.08
December.....	7-10-0	37.09	7-7-6	36.48	8-0-0	38.57	9-5-0	45.75	11-5-0	55.64	0-18-2	4.49	93.17
1935													
March.....	7-10-0	35.82	7-7-6	35.22	8-0-0	38.21	9-5-0	44.18	11-5-0	53.73	0-18-2	4.34	89.97
June.....	7-10-0	37.01	7-7-6	36.39	8-0-0	39.48	9-5-0	45.65	11-5-0	55.52	0-18-2	4.48	92.96
September.....	7-10-0	36.98	7-7-6	36.36	8-0-0	39.45	9-5-0	45.61	11-5-0	55.47	0-18-2	4.48	92.88
December.....	7-10-0	36.97	7-10-0	36.97	8-1-3	39.74	9-10-0	46.82	11-10-0	56.68	0-18-9	4.62	95.84
1936													
March.....	7-15-0	38.52	7-10-0	37.28	8-1-3	40.08	9-15-0	48.46	11-15-0	58.41	0-18-9	4.66	96.66
June.....	7-15-0	38.90	7-10-0	37.64	8-1-3	40.47	9-15-0	48.94	11-15-0	58.98	0-18-9	4.71	97.60
September.....	8-10-10	42.81	8-6-0	41.55	8-12-6	43.44	10-0-0	50.36	11-15-0	59.18	0-18-9	4.72	97.94
December.....	8-10-0	41.72	8-6-0	40.49	8-12-6	42.33	10-5-0	50.80	12-15-0	62.57	0-18-9	4.60	95.44
1937													
March.....	9-10-0	46.41	9-2-6	44.58	10-3-9	49.77	13-0-0	63.51	16-0-0	78.16	1-0-6	5.01	103.85
June.....	11-0-0	54.29	10-12-6	52.44	11-11-3	57.07	15-0-0	74.03	18-15-0	92.54	1-4-6	6.05	125.40
September.....	11-0-0	54.48	10-12-6	52.63	11-11-3	57.27	15-0-0	74.30	18-15-0	92.87	1-6-0	6.44	133.55
December.....	12-5-0	61.21	10-12-6	53.09	11-11-3	57.77	15-0-0	74.95	18-15-0	93.68	1-9-3	5.81	120.48

NOTE.—Pounds sterling converted to United States dollars at the average rates of exchange. (See appendix E, table 273.) Prices for tin plate also shown per base box.

Source: Iron Trade Review, 1926-June 1930; Steel, July 1930-37.

## APPENDIX C. TRADE AGREEMENT CONCESSIONS OBTAINED BY UNITED STATES ON IRON AND STEEL

**TABLE 265.—Iron and steel products: Reductions and bindings of import duties granted to the United States by Nicaragua, Haiti, and Colombia in agreements concluded under the Trade Agreements Act of June 12, 1934**

Contracting country and commodity	Pre- vious duty <sup>1</sup>	New duty <sup>1</sup>	Import from United States by other con- tracting country in 1933
	U. S. dollars per long ton Free	U. S. dollars per long ton Free	Value in U. S. dollars ( <sup>2</sup> )
Nicaragua (effective Oct. 1, 1936): Railroad and streetcar rails and accessories, such as frogs, spikes, angles, and fishplates.....			
Haiti (effective June 3, 1935):			
Cast iron:			
Conduits and pipes.....	12.19	12.19	} 3,404
Pipe fittings.....	40.64	40.64	
Wrought iron, steel, and malleable cast iron:			
Pipes or conduits, black, galvanized, polished, painted or not, including stove pipes.....	14.22	14.22	} 7,012
T-joints, elbows, valves, joints, sockets, cocks, taps, and pipe or conduit accessories.....	101.61	101.61	
Colombia (effective May 20, 1936):			
Sheets of iron or steel. Under Numeral 360: Galvanized or varnished sheets, perforated or not, plain or corrugated for roofing, ordinary tin plate in sheets.....	17.38	11.58	230,832
Ordinary tin plate in sheets for the manufacture of containers.....	11.58	11.58	119,722
Tin plate in sheets, stamped, lacquered, painted, etc.....	23.17	23.17	8,168
Wire of iron or steel, bare or covered (insulated). Under Numeral 362:			
Iron wire impregnated with steel, ungalvanized, appropriate for the manufacture of brads or nails; wire cables, or iron and steel.....	6.95	6.95	124,828
Barbed wire for fencing and staples.....	5.79	5.79	162,483
Tubes or elbows of iron or steel with a diameter of less than 5 centimeters (other, see Numeral 497).....	17.38	17.38	99,328
Chains of iron or steel, each link of which has an opening of:			
More than 1 centimeter.....	17.88	17.88	2,906
1 centimeter or less.....	28.96	28.96	831

<sup>1</sup> Duty rates were converted at following rates of exchange: Colombia, peso=\$0.57; Haiti, gourde=\$0.20.

<sup>2</sup> United States exports less than \$1,000 in 1935.

Source: Releases of the U. S. Departments of State and Commerce.

TABLE 266.—Iron and steel products: Concessions<sup>1</sup> granted by Cuba to the United States in a trade agreement effective since Sept. 3, 1934

Commodity	Import duties on United States products <sup>2</sup>		Preferential reductions based on "minimum" duties	
	New	Old	New	Old
<b>Cast iron:</b>				
Pipes with diameter of 6 inches or less:	<i>Dollars per long ton</i>		<i>Percent</i>	
Drain or soil.....	\$ 16.50	\$ 19.04	35	25
Reinforced pressure.....	\$ 5.48	19.04	40	25
Fittings for pipes above:				
Drain or soil.....	\$ 16.50	22.84	35	25
Reinforced pressure.....	\$ 5.48	22.84	40	25
Pipes and fittings of all kinds with diameter of more than 6 inches:				
Pipes.....	\$ 3.65	4.57	40	25
Fittings.....	\$ 3.65	22.84	40	25
Other pipe accessories, not specified.....	18.27	22.84	40	25
Other articles.....	12.18	15.23	40	25
<b>Wrought iron or steel, rolled:</b>				
Bars of all shapes, including rods, rims, and hoops.....	\$ 3.05	3.05	60	25
Sheets, not polished or tinned:				
Thickness of 3 mm or more.....	8.53	10.66	40	25
Thickness of less than 3 mm and strap iron.....	9.14	11.42	40	25
Sheets, polished, corrugated, perforated, cold-rolled, galvanized or not, and polished strap iron.....	\$ 12.18	15.23	40	25
<b>Wrought iron and steel, finished shapes:</b>				
Wheels of 100 kilos or less.....	11.37	12.18	30	25
Fishplates, bearings, sleepers, mill-rolled axles or straight axles, springs for railways and tramcars, and journal boxes.....	6.09	7.61	40	25
Piping, cylindrical, triangular, octagonal, or any other form, whether or not coated or galvanized, except special tubes for boilers.....	3.05	3.81	40	25
<b>Wire, whether galvanized or not:</b>				
Diameter over 2 mm and not over 3 mm.....	3.55	3.81	30	25
Diameter over 1/4 mm and not over 2 mm.....	6.09	7.61	40	25
Cables.....	9.14	11.42	40	25
Fencing and grillwork, not ornamental, for farms.....	6.09	7.61	40	25
<b>Large structural beams, bars, and shapes of all kinds, not fabricated:</b>	\$ 3.25	3.35	60	25
<b>Anchors and chains for vessels, and machinery, moorings, switches, and signal disks.....</b>	9.90	11.42	35	25

<sup>1</sup> Concessions were also obtained on boiler tubes; nails, brads, and rivets; and screws, nuts, bolts, washers, etc.

<sup>2</sup> Converted at average rate of exchange in August 1934 (Cuban peso=\$0.9992). The public-works surtax of 3 percent of the duty is not included in the rates shown.

<sup>3</sup> Bound against increase during the life of the agreement.

TABLE 267.—Iron and steel products: Fixed reductions and bindings of import duties granted to the United States by Canada in a trade agreement effective since Jan. 1, 1936

Commodity	Rates of duty paid by—				Imports into Canada for fiscal year ending Mar. 31—					
	United States in 1935	United States in 1936	Lowest British Empire rate in 1936	United Kingdom after Feb. 26, 1937	1936-37			1934-35		
					Total	United States	United Kingdom	Total	United States	United Kingdom
Value in thousands of Canadian dollars										
<i>Reductions in duty</i>										
Axles, axle bars, n. o. p., and axle blanks and parts thereof, for vehicles other than railways, n. o. p.-----	35%	30%	22½%	22½%	1,013	1,010	4	395	395	-----
Fittings for pipes and tubes-----	30%	27½%	20%	20%	1,551	1,519	11	127	227	-----
Woven or welded wire fencing, coated or not, n. o. p., wire cloth or wire netting, coated or not-----	35%	30%	25%	20%	636	171	281	94	44	40
Chains, n. o. p., and complete parts thereof-----	35%	30%	20%	15%	450	350	90	65	55	8
<i>Existing duties bound</i>										
Structural shapes, unfabricated, weighing not less than 35 pounds per lineal yard <sup>1</sup> -----	\$3 ton	\$3 ton	Free	* Free	9,008	8,921	133	974	997	236

<sup>1</sup> 35 percent under both the general and the previous intermediate tariff. All other rates in this column are the same as the previous intermediate rates.

<sup>2</sup> Does not include angles and beams for ships, which are duty-free, nor certain smaller

shapes, the maximum limits of which are: 6 inches for I beams, angles, and Z's; and 7 inches for channels.

\* Margin of preference bound at \$3.

TABLE 268.—Iron and steel products: Canadian duty reductions resulting from most-favored-non-British-nation treatment provided for in trade agreement with Canada effective Jan. 1, 1936

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Commodity	Rates of duty paid by—				Imports into Canada for fiscal year ending Mar. 31—					
	United States in 1935	United States in 1936	Lowest British Empire rate in 1936	United Kingdom after Feb. 26, 1937	1929-30			1934-35		
					Total	United States	United Kingdom	Total	United States	United Kingdom
					Value in thousands of Canadian dollars					
Axles and axle bars, etc., for railway vehicles, etc.	30%	27½%	10%	17½%	16	16		17	3	14
Castings of iron or steel, being molds, n. o. p.	10%	7½%	Free	Free	55	55		21	21	
Castings of iron, n. o. p.:										
Malleable	27½%	25%	15%	15%	196	190	6	258	255	2
Nonmalleable	27½%	25%	15%	15%	871	866	4	287	286	1
Castings of steel, n. o. p.	27½%	25%	15%	15%	315	310	3	128	127	1
Forgings of iron or steel, etc., n. o. p.	30%	27½%	20%	17½%	920	881	39	407	393	2
Hoop, band or strip, cold rolled, etc., more than 0.080 inch in thickness, n. o. p.¹	30%	27½%	15%	12½%	27	27		22	21	1
Hoop, band or strip, being tagging metal, etc.	5%	Free	Free	Free	9	9		7	5	1
Sheets, plates, etc., not rolled, valued not less than 5 cents per pound	15%	12½%	5%	Free	(²)	(²)	(²)	25	18	6
Sheets, hoops, etc., for use in buckle clasps, etc.	5%	Free	Free	Free	67	63	2	51	48	
Sheets, plates, etc., tempered, etc., for manufacture of saws	12½%	10%	5%	Free	48	39	1	74	20	22
Bars and rods; billets less than 60 pounds per linear yard:										
Cold-rolled, etc., n. o. p.¹	30%	25%	15%	10%	284	238	26	231	151	61
Hot-rolled, value not less than 4 cents per pound, n. o. p.¹	15%	12½%	Free	Free	843	309	420	810	246	411
Not further processed than hammered or pressed, n. o. p.¹	30%	25%	15%	10%	14	9	3	8	7	1
Bars, hot-rolled, for manufacture of shovels	\$3 ton	\$2.75 ton	Free	Free	84	84		22	22	
Sheets, hoop, etc., for manufacture of shovels										
Railway rails, of any weight, punched, etc.	\$7 ton	\$6 ton	\$4.50 ton	\$4.50 ton	853	781	10	232	209	2
Shapes or sections for manufacture of hinges	10%	7½%	Free	Free	(²)	(²)	(²)	6	6	
Plates, hot- or cold-rolled, flanged, dished, or curved, n. o. p.¹	30%	25%	10%	5%	20	20		12	11	1
Sheets, hot- or cold-rolled, more than 0.080 inch thick, n. o. p.¹	\$7 ton	\$6 ton	\$4.25 ton	\$4.25 ton	847	736	24	525	461	31
Sheets, plates, etc.:										
Corrugated, coated or not ²	25%	20%	15%	10%	103	102	1	10	2	8
Coated with metal, n. o. p.¹ (1930-31 figures include zinc coated.)	15%	12½%	7½%	5%	1,865	957	897	158	127	22
Coated with paint, etc.¹	15%	12½%	7½%	5%	87	78	9	54	52	2
Cold-rolled, for manufacture of typewriters, etc.	10%	7½%	Free	Free	10	10		15	14	1

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Sheets, hot- or cold-rolled, for manufacture of hollow ware, etc. <sup>1</sup> .....	12½%	10%	Free	Free	133	94	28	265	211	74
Sheets, cold-rolled, blue polished, for manufacture of cooking and heating apparatus <sup>1</sup> .....	12½%	10%	Free	Free	67	33	34	32	31	.....
Steel angles, beams, etc., punched, etc., n. o. p. ....	40%	26%	26%	20%	167	145	22	65	6	37
Cast-iron pipe: Under 5 cents per pound.....	\$14 ton	\$10.80 ton	\$7 ton	\$5 ton	221	136	28	7	1	6
Not otherwise provided for.....	10%	7½%	5%	Free						
Pipes and tubes, wrought iron or steel, plain or coated: Not joined, etc., not more than 2¼ inches in diameter <sup>1</sup> .....	15%	10%	5%	5%	77	77	.....	9	9	.....
Welded or seamless, over 10¼ inches in diameter.....	20%	15%	10%	4 Free	1,032	960	67	29	25	16
Welded or seamless, etc., not over 10¼ inches in diameter.....	20%	27½%	15%	15%	619	524	70	301	169	23
Pipes and tubes n. o. p. <sup>1</sup> .....	20%	27½%	15%	12½%	330	313	5	65	60	4
Wire of steel: Not less than 2¾ cents per pound, for wire rope.....	7½%	5%	Free	Free	1,136	77	1,056	766	79	698
Single, not covered, for trolling.....	10%	7½%	Free	Free	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4	4	.....
Woven or welded wire fencing, 0.144 to 0.080 inch.....	15%	12½%	Free	Free	64	63	2	6	6	.....
Woven netting, coated, etc., for fur farms.....	20%	27½%	15%	12½%	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	63	.....	63
Total of values shown.....	.....	.....	.....	.....	11,379	8,175	2,783	4,900	3,106	1,508

<sup>1</sup> Margin of preference bound at not less than 17½ percent.  
<sup>2</sup> Values in the column 1929-30 relate to 1930-31.

<sup>3</sup> Not shown separately.  
<sup>4</sup> Margin of preference bound at 15 percent.

TABLE 269.—Iron and steel products: French duty reductions on important items<sup>1</sup> resulting from most-favored-nation treatment provided for in the trade agreement with France, effective June 15, 1936

Commodity	Rate of duty on United States products (U. S. dollars per long ton) <sup>2</sup>			Imports from United States in 1934	
	Previous duty <sup>3</sup>	New duty <sup>4</sup>	Ratio of previous duty to new duty	U. S. dollars <sup>5</sup>	Percent total value <sup>6</sup>
Iron and steel sheets with more than 0.6 percent silicon—not cut <sup>7</sup> .....	\$40.87 I	\$36.85	1.11	14,057	33.8
Iron, tinned, or coated with copper, lead, or zinc: <sup>7</sup>					
More than 0.6 mm thick.....	49.74 I	34.84	1.43	6,897	2.0
0.6 mm or less in thickness.....	53.29 I	36.21	1.47		
Wire of iron or steel <sup>8</sup> .....	37.28 to 227.77	24.85 to 217.72	1.05 to 1.54	19,772	4.5
Waste and scrap iron:					
Cast iron.....	2.65 I	1.78	1.49	10,641	29.7
Wrought iron or steel.....	1.27 I	.87	1.46	69,169	9.0
Tubes of iron or steel of any diameter, double or lap-welded, and tubes of inside diameter of more than 100 mm welded by any process <sup>7</sup> .....	98.65 I	73.96	1.33	8,802	4.9
Iron or steel unions of all kinds <sup>7</sup> .....	334.96 G	83.74	4.00	13,203	.9
Seamless iron or steel tubes and worms, having an inside diameter of:					
More than 35 mm and a thickness of 3 mm or more.....	146.31 I	97.54	1.50	115,414	13.8
More than 35 mm and a thickness of less than 3 mm.....	217.36 I	144.90			
9 to 35 mm with a thickness of 3 mm or more.....	209.02 I	139.34			
9 to 35 mm with a thickness of less than 3 mm.....	309.34 I	206.20			
5 to 9 mm.....	773.36 I	515.58			
2 to 5 mm.....	1,740.07 I	1,160.04			
2 mm or less.....	15,467.25 I	10,311.50			
Total.....				287,955	

<sup>1</sup> This table includes all items on which there was previously a discriminatory rate and imports of which from the United States amounted to 100,000 francs (\$8,564) or more in 1934.

<sup>2</sup> Converted at the average rate of exchange in June 1936 (franc=6.5634 cents).

<sup>3</sup> The letter "G" following a rate means that the rate shown is the general (i. e., the maximum) rate, and "I" that it is intermediate between the minimum and the general rate.

<sup>4</sup> In every case the minimum rate.

<sup>5</sup> Converted at the average rate of exchange in 1934 (franc=6.5688 cents).

<sup>6</sup> The figures in the column are based on total imports from all non-French countries, imports from French colonies being disregarded.

<sup>7</sup> Subject to import quota.

<sup>8</sup> Wire is grouped into 12 classifications. United States wire was already assessed the minimum duty on 1 classification, and reductions, therefore, applied only to 11 classifications.

<sup>9</sup> Includes imports for one classification on which there was no reduction in duty.

**APPENDIX D. COMPARISON OF RATES OF DUTY ON MATERIALS FOR AND PRODUCTS OF THE IRON AND STEEL INDUSTRIES UNDER TARIFF ACTS OF 1913, 1922, AND 1930 AND SUBSEQUENT CHANGES IN RATES BY TRADE AGREEMENTS**

*TABLE 270.—Iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements*

Para- graph, act of 1930	Classification	Rates of duty					
		Trade agreements			Act of 1930	Act of 1922	Act of 1913
		New rate	Effective date	Agreement			
301	Iron in pigs and iron kettledge.....				\$1.125 per ton.....	75 cents per ton <sup>1</sup> .....	Free.
	Granular or sponge iron <sup>2</sup> .....	\$1.25 per ton.....	Aug. 5, 1935	Swedish.....	\$2.25 per ton.....	( <sup>3</sup> ).....	( <sup>3</sup> ).....
	Wrought and cast scrap iron, scrap steel <sup>4</sup> .....				75 cents per ton.....	75 cents per ton <sup>5</sup> .....	Free. <sup>7</sup>
	Hammer scale, roll scale, and mill scale <sup>4</sup> .....				do.....	do. <sup>1</sup> .....	Do. <sup>1</sup>
	Alloy content of products enumerated in paragraph 301: <sup>3</sup>						
	Vanadium content in excess of $\frac{1}{10}$ of 1 percent.....				\$1 per pound.....	( <sup>3</sup> ).....	( <sup>3</sup> ).....
	Tungsten content in excess of $\frac{1}{10}$ of 1 percent.....				72 cents per pound.....	( <sup>3</sup> ).....	( <sup>3</sup> ).....
	Molybdenum content in excess of $\frac{1}{10}$ of 1 percent.....				65 cents per pound.....	( <sup>3</sup> ).....	( <sup>3</sup> ).....
	Chromium content in excess of $\frac{1}{10}$ of 1 percent.....				3 cents per pound.....	( <sup>3</sup> ).....	( <sup>3</sup> ).....
	303	Bar iron: <sup>6</sup>					
Valued at not over 1 cent per pound.....						$\frac{3}{4}$ cent per pound.....	} 5 percent. <sup>11</sup>
Valued at not above $1\frac{1}{2}$ cents per pound.....		$\frac{3}{4}$ cent per pound.....	May 1, 1935	Belgian.....	$\frac{3}{4}$ cent per pound.....	$\frac{3}{4}$ cent per pound.....	
Valued above 1 cent, and not above $1\frac{1}{2}$ cents per pound.....						$\frac{3}{4}$ cent per pound.....	
Valued above $1\frac{1}{4}$ , and not above $2\frac{3}{4}$ cents per pound.....						$\frac{3}{4}$ cent per pound.....	
Valued above $2\frac{3}{4}$ , and not above $3\frac{3}{4}$ cents per pound.....		$\frac{3}{4}$ cent per pound.....	Aug. 5, 1935	Swedish.....	$\frac{3}{4}$ cent per pound.....	$\frac{3}{4}$ cent per pound.....	} 5 percent. <sup>11</sup>
Valued above $3\frac{3}{4}$ , and not above 5 cents per pound.....		$\frac{3}{4}$ cent per pound.....	do.....	do.....	1 cent per pound.....	1 cent per pound.....	
Valued above 5 cents per pound.....		1 cent per pound.....	do.....	do.....	$1\frac{1}{4}$ cents per pound.....	$1\frac{1}{4}$ cents per pound.....	
Iron in slabs, blooms, loops, or other forms less finished than iron in bars and more advanced than pig iron, except castings:							
Valued at not over 1 cent per pound.....						$\frac{3}{4}$ cent per pound.....	} Free.
Valued at not above $1\frac{1}{2}$ cents per pound.....		$\frac{3}{4}$ cent per pound.....	May 1, 1935	Belgian.....	$\frac{3}{4}$ cent per pound.....	$\frac{3}{4}$ cent per pound.....	
Valued above 1 cent, and not above $1\frac{1}{2}$ cents per pound.....						$\frac{3}{4}$ cent per pound.....	
Valued above $1\frac{1}{4}$ , and not above $2\frac{3}{4}$ cents per pound.....						$\frac{3}{4}$ cent per pound.....	
Valued above $2\frac{3}{4}$ , and not above $3\frac{3}{4}$ cents per pound.....		$\frac{3}{4}$ cent per pound.....	Aug. 5, 1935	Swedish.....	$\frac{3}{4}$ cent per pound.....	$\frac{3}{4}$ cent per pound.....	} Free.
Valued above $3\frac{3}{4}$ , and not above 5 cents per pound.....	$\frac{3}{4}$ cent per pound.....	do.....	do.....	1 cent per pound.....	1 cent per pound.....		
Valued above 5 cents per pound.....	1 cent per pound.....	do.....	do.....	$1\frac{1}{4}$ cents per pound.....	$1\frac{1}{4}$ cents per pound.....		

See footnotes at end of table.

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TABLE 270.—Iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements—Continued

Para- graph. act of 1930	Classification	Rates of duty							
		Trade agreements			Act of 1930	Act of 1922	Act of 1913		
		New rate	Effective date	Agreement					
304	Muck bars, pieces thereof except crop ends: <sup>12</sup> Valued at not over 1 cent per pound..... Valued at not above 1½ cents per pound..... Valued above 1 cent, and not above 1½ cents per pound..... Valued above 1½, and not above 2½ cents per pound..... Valued above 2½, and not above 3½ cents per pound..... Valued above 3½, and not above 5 cents per pound..... Valued above 5 cents per pound.....	2½ <sup>100</sup> cent per pound.....	May 1, 1935	Belgian...	¾ cent per pound	¾ cent per pound <sup>13</sup> ¾ cent per pound <sup>14</sup>	5 percent. <sup>15</sup>		
	Round iron in coils or rods: Valued at not over 1 cent per pound..... Valued at not above 1½ cents per pound..... Valued above 1 cent, and not above 1½ cents per pound..... Valued above 1½, and not above 2½ cents per pound..... Valued above 2½, and not above 3½ cents per pound..... Valued above 3½, and not above 5 cents per pound..... Valued above 5 cents per pound.....	2½ <sup>100</sup> cent per pound.....	May 1, 1935	Belgian...	¾ cent per pound	¾ cent per pound <sup>13</sup> ¾ cent per pound <sup>14</sup>		Do.	
	Steel ingots, clogged ingots, blooms, and slabs, by whatever process made: <sup>16 14 11</sup> Valued not above 1 cent per pound..... Valued at not above 1½ cents per pound..... Valued above 1 cent, and not above 1½ cents per pound..... Valued above 1½, and not above 2½ cents per pound..... Valued above 2½, and not above 3½ cents per pound..... Valued above 3½, and not above 5 cents per pound..... Valued above 5, and not above 8 cents per pound..... Valued above 8, and not above 12 cents per pound..... Valued above 12, and not above 16 cents per pound..... Valued above 16 cents per pound.....	2½ <sup>100</sup> cent per pound..... 37½ <sup>100</sup> cent per pound..... 20 percent.....	May 1, 1935 May 1, 1935 Aug. 5, 1935	Belgian... Belgian... Swedish...	¾ cent per pound... ¾ cent per pound... ¾ cent per pound... 1 cent per pound... 1½ cents per pound... 1 cent per pound... 1½ cents per pound... 1 cent per pound... 1 cent per pound... 2½ cents per pound... 3½ cents per pound... 20 percent.....	¾ cent per pound <sup>13</sup> ¾ cent per pound <sup>14</sup> ¾ cent per pound <sup>13</sup> ¾ cent per pound <sup>14</sup> 1 cent per pound <sup>15</sup> 1 cent per pound <sup>16</sup> 1½ cents per pound <sup>17</sup> 1½ cents per pound <sup>18</sup> 1 cent per pound <sup>19</sup> 1 cent per pound <sup>20</sup> 2½ cents per pound <sup>21</sup> 3½ cents per pound <sup>22</sup> 20 percent.....			15 percent. <sup>10</sup> Free. <sup>17</sup>

Billets and bars, whether solid or hollow: <sup>10 14 15</sup>						
Valued at not above 1 cent per pound.....						½ cent per pound.....
Valued at not above 1½ cents per pound:						
Weighing not more than 30 pounds per linear foot.....	2½ cent per pound.....	May 1, 1935	Belgian.....	½ cent per pound.....		
Weighing more than 30 pounds per linear foot.....	do.....	do.....	do.....			
Valued above 1 cent and not above 1½ cents per pound.....						½ cent per pound.....
Valued above 1½ cents and not above 2½ cents per pound:						
Weighing not more than 30 pounds per linear foot.....	½ cent per pound.....	May 1, 1935	Belgian.....	½ cent per pound.....	½ cent per pound.....	15 percent. <sup>10</sup>
Weighing more than 30 pounds per linear foot.....	27½ cent per pound.....	do.....	do.....			8 percent. <sup>11</sup>
do.....	do.....					Free. <sup>17</sup>
Valued above 2½ and not above 3½ cents per pound.....				½ cent per pound.....	½ cent per pound.....	
Valued above 3½ and not above 6 cents per pound.....	20 percent.....	Aug. 5, 1935	Swedish.....	1 cent per pound.....	1 cent per pound.....	
Valued above 6 and not above 8 cents per pound.....				1½ cents per pound.....	1½ cents per pound.....	
Valued above 8 and not above 12 cents per pound.....				2½ cents per pound.....	2½ cents per pound.....	
Valued above 12 and not above 16 cents per pound.....				3½ cents per pound.....	3½ cents per pound.....	
Valued above 16 cents per pound.....				20 percent.....	20 percent.....	
Die blocks or blanks; shafting; pressed, sheared, or stamped shapes, not advanced in value or condition by any process or operation subsequent to the process of stamping; hammer molds or swaged steel; gun-barrel molds not in bars; all descriptions and shapes of dry sand, loam, or iron molded steel castings; sheets and plates and steel, n. s. p. f.: <sup>10 14 15</sup>						
Valued not above 1 cent per pound.....					½ cent per pound.....	
Valued at not above 1½ cents per pound.....	2½ cent per pound.....	May 1, 1935	Belgian.....	½ cent per pound.....	½ cent per pound.....	15 percent. <sup>10</sup>
Valued above 1 cent and not above 1½ cents per pound.....					½ cent per pound.....	8 percent. <sup>11</sup>
Valued above 1½ and not above 2½ cents per pound.....	½ cent per pound.....	May 1, 1935	Belgian.....	½ cent per pound.....	½ cent per pound.....	Free. <sup>17</sup>
Valued above 2½ and not above 3½ cents per pound.....				½ cent per pound.....	½ cent per pound.....	
Valued above 3½ and not above 6 cents per pound.....	20 percent.....	Aug. 5, 1935	Swedish.....	1 cent per pound.....	1 cent per pound.....	12 percent. <sup>10</sup>
Valued above 6 and not above 8 cents per pound.....				1½ cents per pound.....	1½ cents per pound.....	
Valued above 8 and not above 12 cents per pound.....				2½ cents per pound.....	2½ cents per pound.....	
Valued above 12 and not above 16 cents per pound.....				3½ cents per pound.....	3½ cents per pound.....	
Valued above 16 cents per pound.....				20 percent.....	20 percent.....	
Concrete reinforcement bars: <sup>5</sup>						
Valued at not above 1½ cents per pound.....	2½ cent per pound.....	May 1, 1935	Belgian.....	½ cent per pound.....	½ cent per pound.....	
Valued above 1½ and not above 2½ cents per pound.....	½ cent per pound.....	do.....	do.....	½ cent per pound.....	½ cent per pound.....	
Valued above 2½ and not above 3½ cents per pound.....				½ cent per pound.....	½ cent per pound.....	
Valued above 3½ and not above 5 cents per pound.....	20 percent.....	Aug. 5, 1935	Swedish.....	1 cent per pound.....	½ cent per pound.....	15 percent. <sup>10</sup>
Valued above 5 and not above 8 cents per pound.....				1½ cents per pound.....	½ cent per pound.....	18 percent. <sup>11</sup>
Valued above 8 and not above 12 cents per pound.....				2½ cents per pound.....		
Valued above 12 and not above 16 cents per pound.....				3½ cents per pound.....		
Valued above 16 cents per pound.....				20 percent.....		
Steel circular saw plates.....				¼ cent per pound <sup>10</sup>	¼ cent per pound <sup>11</sup>	12 percent.
Hollow bars and hollow drill steel valued at more than 4 cents per pound. <sup>18</sup>				¾ cent per pound <sup>10</sup>		8 percent. <sup>11</sup>

Footnotes at end of table.

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TABLE 270.—Iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements—Continued

Para- graph, act of 1930	Classification	Rates of duty					
		Trade agreements			Act of 1930	Act of 1922	Act of 1913
		New rate	Effective date	Agreement			
305	In addition to the rates of duty provided for in paragraphs 303, 304, 307, 308, 312, 313, 315, 316, 317, 318, 319, 322, 323, 324, 327, and 328 of this schedule, there shall be levied, collected, and paid on all steel or iron in the materials and articles enumerated or described in such paragraphs: <sup>21</sup> Valued at not more than 3½ cents per pound..... Valued at more than 3½, and not more than 8 cents per pound..... Valued at more than 8 cents per pound..... (1) If such steel or iron contains more than ¼ percent of vanadium, or more than ¼ percent of tungsten, molybdenum, or chromium, or more than ½ percent of nickel, cobalt, or any other metallic element used in alloying steel or iron. <sup>22</sup> <sup>23</sup> (2) Additional cumulative duty on the— Vanadium content in excess of ¼ percent..... Tungsten content in excess of— ½ percent..... ¾ percent..... Molybdenum content in excess of— ½ percent..... ¾ percent..... Chromium content in excess of ¼ percent.....	4 percent.....	Aug. 5, 1935	Swedish.....	8 percent..... do..... do.....	8 percent..... do..... do.....	15 percent. <sup>24</sup>
					\$1 per pound..... 72 cents per pound.....		
					65 cents per pound..... 3 cents per pound.....	65 cents per pound <sup>24</sup> ..... 85 cents per pound <sup>24</sup> .....	
307	Boiler or other plate iron or steel, except crucible plate steel and saw plate steel, not thinner than 10⁄1000 inch, cut or sheared to shape or otherwise, or unsheared, and skelp iron or steel sheared or rolled in grooves, valued at: <sup>21</sup> 1 cent per pound or less..... Not above 3 cents per pound..... Above 1 cent per pound, and not above 3 cents per pound..... Over 3 cents per pound.....	¾ cent per pound.....	May 1, 1935	Belgian.....	¾ cent per pound..... ¾ cent per pound..... 20 percent.....	¾ cent per pound..... ¾ cent per pound..... 20 percent.....	12 percent. <sup>24</sup>
308	Sheets of iron or steel, common or black, of whatever dimensions, and skelp iron or steel: <sup>21</sup> Valued at 3 cents per pound or less— Thinner than 10⁄1000 and not thinner than 3⁄1000 inch..... Thinner than 3⁄1000 and not thinner than 2⁄1000 inch.....	¾ cent per pound..... ¾ cent per pound.....	May 1, 1935..... do.....	Belgian..... do.....	¾ cent per pound..... ¾ cent per pound.....	¾ cent per pound..... ¾ cent per pound.....	Do. <sup>24</sup> Do. <sup>24</sup>

	Thinner than $\frac{3}{16}$ cent and not thinner than $\frac{1}{16}$ cent inch.	$\frac{3}{16}$ cent per pound.	do.	do.	$\frac{3}{16}$ cent per pound.	$\frac{3}{16}$ cent per pound.	Do. <sup>11</sup>
	Thinner than $\frac{1}{16}$ cent inch.	$\frac{1}{16}$ cent per pound.	do.	do.	$\frac{1}{16}$ cent per pound.	$\frac{1}{16}$ cent per pound.	Do. <sup>11</sup>
	Corrugated or crimped.	$\frac{1}{16}$ cent per pound.	do.	do.	$\frac{1}{16}$ cent per pound.	$\frac{1}{16}$ cent per pound.	Do. <sup>11</sup>
	Valued at more than 3 cents per pound, all the foregoing.				30 percent.	30 percent.	Do. <sup>11</sup>
300	Iron or steel plates or sheets, by whatever name designated, other than polished, planished, or glazed, herein provided for, which have been pickled or cleaned by acid, or by any other material or process, or which are cold-rolled, smoothed only, not polished.				$\frac{1}{16}$ cent per pound additional to rates provided on corresponding thicknesses of common or black sheet iron or steel.	$\frac{1}{16}$ cent per pound additional to rates provided on corresponding thicknesses of common or black sheet iron or steel.	15 percent.
	Iron or steel sheets and plates, <sup>12</sup> polished, planished, or glazed, by whatever name designated.				$\frac{1}{16}$ cents per pound.	$\frac{1}{16}$ cents per pound.	Do.
	Iron or steel sheets, plates, bars, and rods, <sup>13</sup> and all hoop, band, or scroll iron or steel, except what are known commercially as tin plates, terneplates, and taggers tin, when galvanized or coated with zinc, spalter, or other metals, or any alloy of those metals.				$\frac{1}{16}$ cent per pound additional to rates provided when not galvanized or coated.	$\frac{1}{16}$ cent per pound additional to rates provided when not galvanized or coated.	Do. <sup>11</sup>
	Sheets or plates composed of iron, steel, copper, nickel, or other metal with layers of other metal or metals imposed thereon by forging, hammering, rolling, or welding.				30 percent.	30 percent.	Do.
310	Sheets or plates of iron or steel, or taggers iron or steel, coated with tin or lead, or with a mixture of which these metals, or either of them, is a component part, by the dipping or any other process, and commercially known as tin plates, terneplates, and taggers tin.				1 cent per pound.	1 cent per pound.	Do.
312	Beams, girders, joists, angles, channels, car-truck channels, tees, columns and posts, or parts or sections of columns and posts, and deck and bulb beams, together with all other structural shapes of iron or steel: Not assembled, manufactured, or advanced beyond hammering, rolling, or casting. Machined, drilled, pinched, assembled, fitted, fabricated for use, or otherwise advanced beyond hammering, rolling, or casting. Sheet piling.	15 percent.	May 1, 1935.	Belgian.	$\frac{1}{4}$ cent per pound.	$\frac{1}{4}$ cent per pound.	10 percent.
					20 percent.	20 percent.	Do.
313	Hoop, band, and scroll iron or steel, n. s. p. l., valued at 3 cents per pound or less, 3 inches or less in width: <sup>14</sup> Thinner than $\frac{1}{16}$ cent and not thinner than $\frac{1}{16}$ cent inch. Thinner than $\frac{3}{16}$ cent and not thinner than $\frac{1}{16}$ cent inch. Bands and strips of iron or steel, whether in long or short lengths, n. s. p. l.: Bands. Strips.				$\frac{1}{4}$ cent per pound.	$\frac{1}{4}$ cent per pound. <sup>15</sup>	Do. <sup>11</sup>
					$\frac{1}{16}$ cent per pound.	$\frac{1}{16}$ cent per pound.	Do. <sup>11</sup>
					$\frac{3}{16}$ cent per pound.	$\frac{3}{16}$ cent per pound.	
					$\frac{1}{16}$ cent per pound.	$\frac{1}{16}$ cent per pound.	Do. <sup>11</sup>
					25 percent.	25 percent.	
					do.	do.	12 percent. <sup>16</sup>

Footnotes at end of table.

TABLE 270.—Iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements—Continued

Para- graph, act of 1930	Classification	Rates of duty					
		Trade agreements			Act of 1930	Act of 1922	Act of 1913
		New rate	Effective date	Agreement			
314	Hoop or band iron, and hoop or band steel, cut to lengths, or wholly or partly manufactured into hoops or ties, coated or not coated with paint or any other preparation, with or without buckles or fastenings for baling cotton or any other commodity.	3/10 cent per pound...	May 1, 1935...	Belgian...	3/4 cent per pound...	3/4 cent per pound...	Free.
315	Rivet, screw, fence, and other iron or steel wire rods, whether round, oval, or square, or in any other shape, nail rods and flat rods up to 6 inches in width ready to be drawn or rolled into wire or strips, all the foregoing in coils or otherwise: Valued at not over 2 1/4 cents per pound..... Valued at over 2 1/2 and not over 4 cents per pound..... Valued at over 4 cents per pound..... Iron or steel wire rods which have been tempered or treated in any manner or partly manufactured.	2 3/100 cent per pound Rate bound..... do.....	do Aug. 5, 1935 do	do Swedish do	3/10 cent per pound... 3/4 cent per pound... 3/4 cent per pound additional to rates otherwise provid- ed thereon.	3/10 cent per pound... 3/4 cent per pound... 3/4 cent per pound additional to rates otherwise provid- ed thereon.	Free. <sup>41</sup> 15 percent. <sup>42</sup> 10 percent.
	Iron or steel bars and rods of whatever shape or section which are cold-rolled, cold-drawn, cold-hammered, or polished in any way in addition to the ordinary process of hot rolling or hammering.				1/8 cent per pound additional to rates provided on bars or rods of what- ever section or shape which are hot rolled.	1/8 cent per pound additional to rates provided on bars or rods of what- ever section or shape which are hot rolled.	Do.
	Strips, plates, or sheets of iron or steel of whatever shape, other than polished, planished, or glanced sheet iron or sheet steel, which are cold-hammered, blued, brightened, tempered, or polished by any process to such perfected surface finish or polish better than the grade of cold-rolled, smoothed only.				3/10 cent per pound additional to rates provided on plates, strips, or sheets of iron or steel of common or black finish of corresponding thickness or value.	3/10 cent per pound additional to rates provided on plates, strips, or sheets of iron or steel of common or black finish of corresponding thickness or value.	15 percent. <sup>43</sup> <sup>44</sup> 12 percent.
316 (a)	Round iron and steel wire: Valued not above 6 cents per pound: Not smaller than 3/1000 inch in diameter..... Smaller than 3/1000 and not smaller than 3/1000 inch in diameter.				3/4 cent per pound... 1 1/4 cents per pound.	3/4 cent per pound... 1 1/4 cents per pound.	15 percent. Do.

	Smaller than $\frac{3}{16}$ inch in diameter Valued above 6 cents per pound	20 percent	Aug. 4, 1934	Swedish	1 $\frac{1}{4}$ cents per pound 25 percent	1 $\frac{1}{4}$ cents per pound 25 percent	Do. Do. Do. <sup>41</sup>
	Wire composed of iron, steel, or other metal, n. s. p. f. (except gold, silver, platinum, <sup>42</sup> tungsten, or molybdenum). <sup>43</sup>				do.	do.	
	Flat wires and all steel in strips not thicker than $\frac{1}{16}$ inch and not exceeding 16 inches in width, whether in long or short lengths, in coils or otherwise, and whether rolled or drawn through dies or rolls, or otherwise produced: Not thicker than $\frac{1}{16}$ of 1 inch. Thicker than $\frac{1}{16}$ and not thicker than $\frac{3}{16}$ of 1 inch.	15 percent 20 percent	Aug. 4, 1934 do	Swedish do	do. do.	do. do.	15 percent <sup>44</sup> or 12 percent <sup>45</sup> 18 percent.
	Thicker than $\frac{3}{16}$ of 1 inch						
	Wire of iron, steel, or other metal <sup>46</sup> coated by dipping, galvanizing, sherardizing, electrolytic, or any other process with zinc, tin, or other metal.				$\frac{3}{8}$ cent per pound additional to rate imposed on wire of which made.	$\frac{3}{8}$ cent per pound additional to rate imposed on wire of which made.	18 percent <sup>46</sup> 18 percent.
	Wire rope				35 percent	35 percent	30 percent. Do. <sup>47</sup>
	Wire strand <sup>48</sup>				do.	do.	15 percent <sup>48</sup> Free.
317	Galvanized wire fencing composed of wires not larger than $\frac{3}{16}$ inch and not smaller than $\frac{1}{16}$ inch in diameter.				$\frac{1}{4}$ cent per pound	$\frac{1}{4}$ cent per pound	Do.
	Galvanized wire n. s. p. f., not larger than $\frac{3}{16}$ inch and not smaller than $\frac{1}{16}$ inch in diameter, of the kind commonly used for fencing purposes.				do.	do.	Do.
319 (a)	Wire commonly used for baling hay or other commodities.				do.	do.	Do.
	Forgings of iron or steel, or of combined iron and steel, not machined, tooled, or otherwise advanced in condition by any process or operation subsequent to the forging process, n. s. p. f.				25 percent	25 percent	12 percent.
322	Rail braces, <sup>49</sup> and all other railway bars made of iron or steel, and railway bars made in part of steel, T-rails, and punched iron or steel flat rails.				$\frac{1}{2}$ cent per pound	$\frac{1}{2}$ cent per pound	Free.
	Railway fishplates or splice bars, and tie plates, <sup>50</sup> made of iron or steel.				$\frac{1}{4}$ cent per pound	$\frac{1}{4}$ cent per pound	10 percent.
323	Axes <sup>51</sup> and parts thereof, axle bars, axle blanks, and forgings for axes, of iron or steel, without reference to the stage or state of manufacture, n. s. p. f., valued at not more than 6 cents per pound.				$\frac{3}{4}$ cent per pound	$\frac{3}{4}$ cent per pound	Do.
324	Wheels for railway purposes, and parts thereof, of iron or steel, <sup>52</sup> and steel-tired wheels for railway purposes, wholly or partly finished, and iron or steel locomotive, car, or other railway tires and parts thereof, wholly or partly manufactured.				1 cent per pound	1 cent per pound	20 percent.
327	Cast hollow ware, coated, glazed, or tinned, but not including enameled ware and hollow ware containing electrical elements. <sup>53</sup>				20 percent	20 percent	10 percent.
	Cast-iron andirons, plates, stove plates, sadirons, tailors' irons, hatters' irons, but not including electric irons, <sup>54</sup> and castings and vessels wholly of cast iron.				do.	do.	Do.

Footnotes at end of table.

TABLE 270.—Iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements—Continued

Para- graph, act of 1930	Classification	Rates of duty					
		Trade agreements			Act of 1930	Act of 1922	Act of 1913
		New rate	Effective date	Agreement			
327	Cast-iron pipe of every description, and cast-iron fittings for cast-iron pipe. <sup>60</sup> Castings of iron or cast-iron plates which have been chiseled, drilled, machined, or otherwise advanced in condition by processes or operations subsequent to the casting process but not made up into articles, or parts thereof, or finished machine parts. <sup>61</sup>	15 percent.....	June 15, 1936	French.....	25 percent..... 20 percent.....	20 percent <sup>60</sup> ..... do.....	10 percent. <sup>60</sup> Do.
328	Castings of malleable iron n. s. p. f. Tubes, pipes, flues, and stays, iron or steel, lap-welded, butt-welded, seamed, or jointed, not thinner than $\frac{5}{16}$ inch: Not less than $\frac{1}{4}$ inch in diameter..... Less than $\frac{3}{8}$ and not less than $\frac{1}{4}$ inch in diameter..... Less than $\frac{1}{4}$ inch in diameter..... Made of charcoal iron.....				do.....   ¾ cent per pound..... 1¼ cents per pound..... 1¾ cents per pound..... 1¼ cents per pound, minimum..... 25 percent.....	do.....   ¾ cent per pound..... 1¼ cents per pound..... 1¾ cents per pound..... 1¼ cents per pound, minimum..... 25 percent.....	Do.   20 percent. <sup>61</sup> Do. <sup>62</sup> Do. <sup>62</sup>  Do.
1800	Tubes, iron or steel, finished or unfinished, <sup>63</sup> n. s. p. f..... All barbed wire, whether plain or galvanized.....				Free..... Free.....	Free..... Free.....	Do. Free.

<sup>1</sup> \$1.125 per ton, by Presidential proclamation effective Mar. 25, 1927, under section 315.  
<sup>2</sup> New classification in act of 1930.  
<sup>3</sup> Dutiable at 30 percent as "mineral substances, wholly or partly manufactured, n. s. p. f.," or free as "metals unwrought."  
<sup>4</sup> Classification uncertain.  
<sup>5</sup> *Provided further*, That nothing shall be deemed scrap iron or scrap steel except second-hand or waste or refuse iron or steel fit only to be remanufactured (acts of 1913, 1922, and 1930).  
<sup>6</sup> Scrap valued at not more than 7 cents per pound, dutiable at 75 cents per ton; when valued at more than 7 cents per pound, classified and dutiable as waste, n. s. p. f., at 10 percent (act of 1922). This provision was stricken from the act of 1930.  
<sup>7</sup> Scrap iron and steel (act of 1913).  
<sup>8</sup> Classified and dutiable as iron or steel scrap when valued at not more than 7 cents per pound; when valued at more than 7 cents per pound, classified and dutiable as waste, n. s. p. f., at 10 percent.

<sup>90</sup> On any material provided for in par. 304 containing molybdenum and tungsten (act of 1922).  
<sup>61</sup> *Provided*, That all sheets or plates of iron or steel thinner than  $\frac{10}{1000}$  inch shall be subject to duty as iron or steel sheets (acts of 1922 and 1930).  
<sup>62</sup> Boiler or other plate iron or steel \* \* \* n. s. p. f. in this section; sheets of iron or steel, common or black, of whatever dimensions, whether plain, corrugated or crimped, \* \* \* and skip iron or steel, whether sheared or rolled in grooves, or otherwise.  
<sup>63</sup> *Provided*, That all sheets or plates of common or black iron or steel not thinner than  $\frac{10}{1000}$  of an inch shall pay duty as plate iron or plate steel (act of 1930). "Pay" changed to "be subject to" in act of 1922.  
<sup>64</sup> "Plates" added in acts of 1922 and 1930.  
<sup>65</sup> "Bars" and "rods" added by acts of 1922 and 1930. "Strips" mentioned in act of 1913. All iron or steel sheets, plates or strips, and all hoop, band, or scroll iron or steel when galvanized or coated with zinc, spelter, or other metals, or any alloy of those metals (act of 1913).

- \* No corresponding provision. No additional duty.
- <sup>10</sup> See par. 205 additional duties on materials and articles containing any metallic element used in alloying steel or iron.
- <sup>11</sup> Bar iron, square iron, rolled or hammered . . . bars or shapes of rolled or hammered iron, n. s. p. f.
- <sup>12</sup> "Pieces thereof except drop ends" added in act of 1930.
- <sup>13</sup> Muck bars.
- <sup>14</sup> See par. 206 for definition of steel.
- <sup>15</sup> "Alloys n. s. p. f. used as substitutes for steel in the manufacture of tools" which appears in the acts of 1913 and 1922, was stricken from the act of 1930.
- <sup>16</sup> All the foregoing when made by the crucible, electric, or cementation process, either with or without alloys, and finished by rolling, hammering, or otherwise and all steels by whatever process made, containing alloys such as nickel, cobalt, vanadium, chromium, tungsten, wolfram, molybdenum, titanium, iridium, uranium, tantalum, boron, and similar alloys (act of 1913).
- <sup>17</sup> Steel ingots, oxygen ingots, blooms and slabs, die blocks or blanks, and billets, if made by the Bessemer, Siemens-Martin, open-hearth, or similar processes, not containing alloy such as nickel, cobalt, vanadium, chromium, tungsten, or wolfram, molybdenum, titanium, iridium, uranium, tantalum, boron, and similar alloys (act of 1913).
- <sup>18</sup> Steel bars, and tapered or beveled bars; mill shafting; pressed, sheared, or stamped shapes not advanced in value or condition by any process or operation subsequent to the process of stamping; hammer molds or swaged steel; gun-barrel molds not in bars; all descriptions and shapes of dry sand, loam, or iron molded steel castings, sheets, and plates; all the foregoing, if made by the Bessemer, Siemens-Martin, open-hearth, or similar processes, not containing alloys such as nickel, cobalt, vanadium, chromium, tungsten or wolfram, molybdenum, titanium, iridium, uranium, tantalum, boron, and similar alloys (act of 1913).
- <sup>19</sup> Crucible plate steel, cut or sheared to shape or otherwise, or unshaped (act of 1913).
- <sup>20</sup> "Concrete reinforcement bars" added in act of 1930.
- <sup>21</sup> Structural shapes.
- <sup>22</sup> "Provided, That on steel circular saw plates there shall be levied, collected, and paid an additional duty of  $\frac{3}{4}$  of 1 cent per pound" added in acts of 1922 and 1930.
- <sup>23</sup> "Provided further, That on hollow bars and hollow drill steel valued at more than 4 cents per pound there shall be levied, collected, and paid an additional duty of  $\frac{3}{4}$  of 1 cent per pound" added in act of 1930.
- <sup>24</sup> Additional to duty provided for on hollow bars and steel, n. s. p. f.
- <sup>25</sup> In addition to the rates of duty provided for in this schedule on steel in all forms and shapes by whatever process made, and by whatever name designated, whether cast, hot or cold-rolled, forged, stamped, or drawn (act of 1922).
- <sup>26</sup> Containing more than  $\frac{1}{10}$  percent of nickel, cobalt, vanadium, chromium, tungsten, molybdenum, or any other metallic element used in alloying steel (act of 1922).
- <sup>27</sup> "Provided, That phosphorus shall not be considered as alloying material unless present in the steel or iron in excess of 5 percent, nor shall manganese or silicon be so considered unless either is present in the steel in excess of 1 percent, or unless either is present in the iron in excess of 8 percent (act of 1930).
- <sup>28</sup> "Provided, That manganese and silicon shall not be considered as alloying material unless present in the steel in excess of 1 percent manganese or silicon (act of 1922).
- <sup>29</sup> All steels by whatever process made, containing alloys such as nickel, cobalt, vanadium, chromium, tungsten, wolfram, molybdenum, titanium, iridium, uranium, tantalum, boron, and similar alloys (act of 1913).

- <sup>30</sup> Structural shapes, acts of 1913 and 1922.
- <sup>31</sup> "Provided, That barrel hoops of iron or steel, and hoop or band iron, or hoop or band steel, flared, splayed, or punched, with or without buckles or fastenings, shall pay no more duty than that imposed on the hoop or band iron or steel from which they are made (acts of 1930 and 1922).
- <sup>32</sup> Hoop, band, or scroll iron or steel not otherwise provided for in this section, and barrel hoops of iron or steel, wholly or partly manufactured.
- <sup>33</sup> Strips of iron or steel, n. s. p. f.
- <sup>34</sup> "Provided, That all round iron or steel rods smaller than 20/100 inch in diameter shall be classified and dutiable as wire.
- <sup>35</sup> Horsehoes nail rods free in act of 1913.
- <sup>36</sup> . . . rolled wire rods in coils or bars not smaller than 20/100 inch in diameter . . . when made by the crucible, electric, or cementation process . . . and finished by rolling, hammering, or otherwise.
- <sup>37</sup> Strips not thicker than number 15 wire gage nor wider than 5 inches; and sheets.
- <sup>38</sup> Plates and strips, n. s. p. f.
- <sup>39</sup> Wire, n. s. p. f.
- <sup>40</sup> "Except gold, silver, or platinum" added in acts of 1922 and 1930.
- <sup>41</sup> "Tungsten or molybdenum" added in act of 1930.
- <sup>42</sup> Steel in strips not thicker than number 15 wire gage and not exceeding 5 inches in width (act of 1913).
- <sup>43</sup> Strips of iron or steel, n. s. p. f. (act of 1913).
- <sup>44</sup> "Other metal" added in acts of 1922 and 1930.
- <sup>45</sup> Wire rope.
- <sup>46</sup> "Wire strand" added in acts of 1922 and 1930.
- <sup>47</sup> Articles manufactured wholly or in chief value of any wire or wires provided for in this section.
- <sup>48</sup> Rail braces added in acts of 1922 and 1930 (classified as manufactures of metal n. s. p. f. at 20 percent in act of 1913).
- <sup>49</sup> The plates added in acts of 1922 and 1930 (classified as manufactures of metal n. s. p. f. at 20 percent in act of 1913).
- <sup>50</sup> "Provided, That when iron or steel axes are imported fitted in wheels, or parts of wheels, of iron or steel, they shall be dutiable at the same rate as the wheels in which they are fitted.
- <sup>51</sup> "Provided, That when wheels for railway purposes, or parts thereof, of iron or steel, are imported with iron or steel axes fitted in them, the wheels and axes together shall be dutiable at the same rate as is provided for the wheels when imported separately.
- <sup>52</sup> "But not including enameled ware and hollow ware containing electrical elements" added in acts of 1922 and 1930.
- <sup>53</sup> "But not including electric irons" added in acts of 1922 and 1930.
- <sup>54</sup> "Cast-iron fittings for cast-iron pipes" added in act of 1930; fittings might also have been classified as "manufactures of metal, n. s. p. f." under the acts of 1913 and 1922.
- <sup>55</sup> "Or parts thereof" added in acts of 1922 and 1930.
- <sup>56</sup> Lap-welded, butt-welded, seamed, or jointed iron or steel tubes, pipes, flues, or stays.
- <sup>57</sup> "Unfinished" added in acts of 1922 and 1930.

NOTE.—Trade agreement rates as of June 1, 1938, apply to imports from all countries except Germany after Oct. 14, 1935, and the former Republic of Austria after May 5, 1938. In general, imports from Cuba are subject to rates 20 percent below the lowest rates accorded to other countries and shipments from the Philippines are admitted free.



In table 271 only the more important materials (other than those valued chiefly for their iron content) which become ingredients of iron and steel or which are used during the production processes are listed. The principal ferro-alloys and the ores containing alloying metals are shown, together with the less important ores on which concessions in import duties were made by trade agreements. Certain other important materials included, such as zinc and tin, are used by the industry in the production of galvanized products, tin plate, and so on. In addition, important refractory materials, such as dead-burned magnesite and chrome brick, are included in the table. Materials such as coke, limestone, and others are not listed either because of their relative unimportance or because they are not imported to any extent.

TABLE 271.—Materials used in the production of iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements

Para- graph of act of 1930	Classification	Rates of duty					
		Trade agreements			Act of 1930	Act of 1922	Act of 1913
		New rate	Effective date	Agreement			
302 (a) (d)	Manganese ore or concentrates <sup>1</sup> .....	¼ cent per pound <sup>2</sup> ..	Jan. 1, 1936	Brazilian..	1 cent per pound <sup>3</sup> ...	1 cent per pound <sup>4</sup> ...	Free. <sup>4</sup>
	Ferromanganese: <sup>5</sup> Containing more than 1 percent of carbon, but less than 4 percent. Containing not less than 4 percent of carbon.....	¾ cent per pound, plus 1¼ times rate on manganese ore, but not more than 1¾ cents per pound.	Jan. 1, 1936	Canadian..	1¼ cents per pound <sup>6</sup> ..	1¼ cents per pound <sup>6</sup> ..	Do. <sup>7</sup>
(e)	Ferromanganese and spiegeleisen, <sup>8</sup> containing not more than 1 percent of carbon.				1¼ cents per pound and 15 percent. <sup>4</sup>	1¼ cents per pound and 15 percent. <sup>9</sup>	Do. <sup>7</sup>
301	Spiegeleisen, <sup>8</sup> containing more than 1 percent carbon.....				75 cents per ton.....	75 cents per ton.....	Do.
302 (i)	Ferrosilicon containing: 8 percent or more and less than 80 percent of silicon..	1¼ cents per pound <sup>1</sup> ..	Jan. 1, 1936	Canadian..	2 cents per pound <sup>1</sup> ..	2 cents per pound <sup>1</sup> ..	15 percent.
	80 percent or more and less than 90 percent of silicon..				3 cents per pound <sup>1</sup> ..	3 cents per pound <sup>1</sup> ..	Do.
	90 percent or more and less than 99 percent of silicon..				4 cents per pound <sup>1</sup> ..	4 cents per pound <sup>1</sup> ..	Do.
	99 percent or more of silicon.....				8 cents per pound <sup>1</sup> ..	8 cents per pound <sup>1</sup> ..	Do.
(j)	Alumin. ferro-silicon aluminum, ferroaluminum silicon: Containing 20 but not more than 52 percent of alumi- num, and having silicon and iron as the other prin- cipal component elements.	1¾ cents per pound.	Feb. 15, 1936	Swiss.....	5 cents per pound <sup>1</sup> ..		
	Not specially provided for.....	2¼ cents per pound.	do.....	do.....	do.....	25 percent <sup>10</sup> .....	Do. <sup>10</sup>
1647	Chromite or chrome ore.....				Free.....	Free.....	Free.
302 (k)	Ferrocrome or ferrochromium containing: 8 percent or more of carbon.....	1½/100 cents per pound. <sup>11</sup>	Aug. 15, 1935	Swedish..	2½ cents per pound <sup>11</sup>	3½ cents per pound <sup>11</sup>	15 percent. <sup>7</sup>
	Less than 8 percent of carbon.....	25 percent.....	do.....	do.....	30 percent.....	30 percent.....	Do. <sup>7</sup>
201 (a)	Chrome brick, n. s. p. f.....				25 percent.....	25 percent.....	(10 percent. <sup>12</sup> 15 percent. <sup>13</sup> )

See footnotes at end of table.

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TABLE 271.—Materials used in the production of iron and steel: Comparison of Tariff Acts of 1913, 1922, and 1930 and changes by trade agreements—Continued

Para- graph of act of 1930	Classification	Rates of duty					
		Trade agreements			Act of 1930	Act of 1922	Act of 1913
		New rate	Effective date	Agreement			
302 (c) (h)	Tungsten ore or concentrates <sup>14</sup> Ferrotungsten, ferrochromium tungsten, and tungsten nickel.				50 cents per pound 60 cents per pound <sup>14</sup> and 25 percent.	45 cents per pound 60 cents per pound <sup>14</sup> and 25 percent.	Free. 15 percent. <sup>15</sup>
302 (b) (f)	Molybdenum ore or concentrates <sup>14</sup> Ferromolybdenum, calcium molybdate, and all other compounds and alloys of molybdenum.				35 cents per pound 50 cents per pound <sup>14</sup> and 15 percent.	35 cents per pound 50 cents per pound and 15 percent.	Free. <sup>16</sup> 15 percent. <sup>10 17.</sup>
302 (m) 1719	Ferrophosphorus Vanadium ore.				Free. Free.	25 percent. Free.	Do. Free.
302 (m) 1719	Ferrovanadium Titanium ore.	15 percent.	Jan. 1, 1936	Canadian.	Free. 25 percent.	Free. 25 percent.	Free. 15 percent.
302 (m) 1719	Ferrotitanium	15 percent.	Jan. 1, 1936	Canadian.	Free.	Free.	Free.
302 (o)	Alloys, not specially provided for, used in the manufacture of steel or iron <sup>18</sup> and containing not less than 28 percent of iron, not less than 18 percent of aluminum, not less than 18 percent of silicon, and not less than 18 percent of manganese.	12½ percent.	Feb. 15, 1936	Swiss.	25 percent. do.	25 percent. do.	15 percent. Do.
1719	Zirconium ores or concentrates.	Duty-free status bound.	Jan. 1, 1936	Brazilian.	Free.	Free.	Free.
302 (m) 393	Ferrozirconium Zinc-bearing ores of all kinds <sup>19 20</sup> containing: Less than 10 percent of zinc. 10 and less than 20 percent of zinc. 20 and less than 25 percent of zinc. 25 percent or more of zinc.				25 percent. 1½ cents per pound <sup>21</sup> do <sup>21</sup> do <sup>21</sup> do <sup>21</sup>	25 percent. Free. ¼ cent per pound <sup>21</sup> 1 cent per pound <sup>21</sup> 1½ cents per pound <sup>21</sup>	15 percent. <sup>10</sup> 10 percent. Do. Do. Do.
394	Zinc: Blocks, pigs, or slabs <sup>22</sup> Dust Old and worn-out, fit only to be remanufactured.				1¾ cents per pound do. 1½ cents per pound.	1¾ cents per pound do. 1½ cents per pound.	15 percent. Do. Do.
1734	Ores of nickel; nickel matte; nickel oxide.	(Duty-free status) bound.	Jan. 1, 1936	Canadian.	Free.	Free. 1 cent per pound <sup>23</sup>	Free. 10 percent. <sup>23</sup>
389	(Nickel and alloys (except those provided for in paragraph 302 or 390) in which nickel is the component material of chief value: Pigs, ingots, shot <sup>24</sup> , and cathodes <sup>24</sup> .)				3 cents per pound.	3 cents per pound.	10 percent. 20 percent. <sup>24</sup>
1785	Tin ore or cassiterite, and black oxide of tin.				Free <sup>25</sup> .	Free <sup>25</sup> .	Free. <sup>25</sup>
1786	Tin in bars, blocks, or pigs, and grain or granulated and scrap tin, including scrap tin plate.				do <sup>25</sup> .	do <sup>25</sup> .	Do. <sup>25</sup>

204	Magnesite: Dead burned and grain and periclase, not suitable for manufacture into oxychloride cements.				2¾ cent per pound.	2¾ cent per pound.	Free. <sup>17</sup>
201(a)	Magnesite brick				{¾ cent per pound and 10 percent.	¾ cent per pound and 10 percent.	10 percent. <sup>18</sup> 15 percent. <sup>18</sup>
207	{Fluorspar, containing not more than 97 percent calcium fluoride.	Dead burned basic refractory material containing 6 percent or more of lime and consisting chiefly of magnesia and lime—27½ percent.	Jan. 1, 1936...	Canadian.	\$8.40 per ton.	{\$.50 per ton <sup>28</sup> \$.84 per ton <sup>29</sup>	\$1.50 per ton.
214	(Dead burned dolomite) Earthy or mineral substances, wholly or partly manufactured, not decorated.						
					30 percent.	30 percent.	20 percent.

<sup>1</sup> Duty on the metallic content of the metal named. Cuban manganese ore or concentrates are free of duty.

<sup>2</sup> Containing in excess of 10 percent manganese; includes ferruginous manganese ore and manganiferous iron ore (act of 1930).

<sup>3</sup> Containing in excess of 30 percent manganese; ore containing not more than 30 percent manganese, free (act of 1922).

<sup>4</sup> Manganese, oxide, and ore of.

<sup>5</sup> *Provided*, That ferromanganese for the purpose of this act shall be such iron manganese alloys as contain 30 percent or more of manganese (acts of 1922 and 1930).

<sup>6</sup> On the manganese contained therein.

<sup>7</sup> Carbon content not specified in act of 1913.

<sup>8</sup> *Provided*, That spiegeleisen for the purposes of this act shall be an iron manganese alloy containing less than 30 percent of manganese (acts of 1930 and 1922).

<sup>9</sup> 2½ cents per pound, by Presidential proclamation, effective July 18, 1932, under sec. 336.

<sup>10</sup> Alloys used in the manufacture of steel, n. s. p. f.

<sup>11</sup> On the chromium contained therein.

<sup>12</sup> Not glazed, enameled, painted, vitrified, ornamented, or decorated.

<sup>13</sup> Glazed, enameled, painted, vitrified, ornamented, or decorated.

<sup>14</sup> Duty on the metallic content of the metal named.

<sup>15</sup> Ferrotungsten, \* \* \* and other alloys used in the manufacture of steel.

<sup>16</sup> Minerals, crude.

<sup>17</sup> Calcium molybdate, chemical compounds, mixtures, and salts, n. s. p. f. (act of 1913).

<sup>18</sup> "Or iron," added in act of 1930.

<sup>19</sup> "Except pyrites containing not more than 3 per centum of zinc," and "*Provided*, That such duties shall not be applied to the zinc contained in lead or copper ores unless actually recovered," added in act of 1930.

<sup>20</sup> Proviso regarding sampling or smelting.

<sup>21</sup> On the zinc contained therein.

<sup>22</sup> "Slabs" added in act of 1922.

<sup>23</sup> Nickel oxide.

<sup>24</sup> Articles or wares, n. s. p. f.

<sup>25</sup> *Provided*, That there shall be imposed and paid upon cassiterite, or black oxide of tin, a duty of 4 cents per pound, and upon bar, block, pig tin, and grain or granulated, a duty of 6 cents per pound when it is made to appear to the satisfaction of the President of the United States that the mines of the United States are producing 1,500 tons of cassiterite and bar, block, and pig tin per year. The President shall make known this fact by proclamation, and thereafter said duties shall go into effect (acts of 1930 and 1922).

<sup>26</sup> *Provided*, That there shall be imposed and paid upon cassiterite, or black oxide of tin, and upon bar, block, pig tin, and grain or granulated, a duty of 4 cents per pound when it is made to appear to the satisfaction of the President of the United States that the mines of the United States are producing 1,500 tons of cassiterite and bar, block, and pig tin per year. The President shall make known this fact by proclamation, and thereafter said duties shall go into effect (act of 1913).

<sup>27</sup> Not purified.

<sup>28</sup> Fluorspar, to Nov. 15, 1928.

<sup>29</sup> Containing not over 93 percent calcium fluoride, commencing Nov. 16, 1928.

## APPENDIX E. EXCHANGE RATES

**TABLE 272.—Average annual rates of exchange: United States and Canada**  
[United States cents per Canadian dollar]

Year	Rate	Year	Rate
1926.....	99.9889	1932.....	88.0900
1927.....	99.9720	1933.....	91.9590
1928.....	99.9094	1934.....	101.0060
1929.....	99.2470	1935.....	99.4630
1930.....	99.8420	1936.....	99.9130
1931.....	98.3530	1937.....	100.0040

Source: Federal Reserve Bulletins.

**TABLE 273.—Average rates of exchange: United States and United Kingdom**  
[United States cents per United Kingdom pound sterling]

Period	Rate	Period	Rate
1926.....	488.8235		
1927.....	486.1024		
1928.....	490.6222	March..... 1935	477.6211
1929.....	485.6900	June.....	493.4922
1930.....	486.2100	September.....	493.0654
1931.....	453.5000	December.....	492.8772
1932.....	350.6100		
		March..... 1936	497.0700
March..... 1933	349.2800	June.....	501.9200
June.....	413.5581	September.....	503.6300
September.....	466.4722	December.....	490.7800
December.....	511.5690		
		March..... 1937	488.5100
March..... 1934	309.3917	June.....	493.5500
June.....	504.8406	September.....	495.3000
September.....	499.4056	December.....	499.6400
December.....	494.5798		
		March..... 1938	488.4473

Source: Federal Reserve Bulletins.

TABLE 274.—Average exchange rates used in converting foreign tariffs

[See tables 231, 232, 236, and 239, Ch. IX]

Country	Monetary unit for duty purposes	Annual average 1913	December average 1924	December average 1936	October average 1937	March average 1938
		United States cents per foreign monetary unit				
United Kingdom	Pound sterling	<sup>1</sup> 486.66	441.71	490.78	495.51	498.4473
Australia	Shilling	<sup>1</sup> 24.3328	24.4255	19.5495	19.74	19.8569
Canada	Canadian dollar	<sup>1</sup> 100.0000	99.6543	100.062	100.017	99.7182
India	Rupee	<sup>2</sup> 32.57	35.2888	37.088	37.410	37.6375
South Africa	Pound	<sup>1</sup> 486.66	486.02	485.33	490.89	493.7443
Belgium-Luxemburg	Franc	<sup>1</sup> 19.2953	4.9650	3.3802	3.3718	3.3760
Czechoslovakia	Crown	<sup>3</sup> 20.26	3.0204	3.52	3.4969	3.5017
France	Franc	<sup>1</sup> 19.2953	5.3988	4.6675	3.3491	3.1224
Germany	Reichsmark	<sup>1</sup> 23.82	23.8031	40.23	40.157	40.2407
Italy	Lira	<sup>1</sup> 19.2953	<sup>4</sup> 19.2953	5.2609	5.2604	5.2605
Netherlands	Florin	<sup>1</sup> 40.20	40.4162	54.566	55.284	55.5561
Sweden	Crown	<sup>1</sup> 26.80	26.9531	25.300	25.546	25.6743
China	Customs gold unit	<sup>5</sup> 73	<sup>6</sup> 81	67.276	66.321	<sup>7</sup> 65.893
Japan	Yen	49.52	38.4400	28.512	28.853	28.8636
Argentina	"Gold" peso <sup>8</sup>	98.29	88.3177	<sup>9</sup> 74.3591	<sup>9</sup> 75.0727	<sup>9</sup> 75.53
Brazil	Milreis	32.16	11.5058	<sup>9</sup> 8.6981	<sup>9</sup> 8.7232	<sup>9</sup> 8.8744
Chile	Peso	<sup>10</sup> 36.499	<sup>10</sup> 35.2188	<sup>9</sup> 6.1719	<sup>9</sup> 5.1694	<sup>9</sup> 5.1680
Colombia	do.					<sup>9</sup> 54.6483
Cuba	do.					99.016
Mexico	do.	42.41	48.8114	27.750	27.750	25.5966
Venezuela	Bolivar					<sup>11</sup> 31.348

<sup>1</sup> Par of exchange.<sup>2</sup> Average for fiscal year 1912-13.<sup>3</sup> Par of exchange of Austro-Hungarian crown.<sup>4</sup> Gold lira, par of exchange.<sup>5</sup> Haikwan tael in 1913 and 1924.<sup>6</sup> January 1938 average.<sup>7</sup> Paper peso rate multiplied by a constant factor of 2.2727 to obtain the value of the so-called gold peso in which duties were levied.<sup>8</sup> Except in Argentina, this rate corresponds approximately to the official or quasi-official rate in the foreign country, which in each case is higher, expressed in United States currency, than the free-market rate. The official rate in Argentina would give a conversion factor of between 70 and 71 cents per customs "gold" peso (see footnote 7 of this table); duties converted by this factor would be about 6 percent lower than those shown for the respective months for Argentina in the tables of Ch. IX.<sup>9</sup> Free-market rate quoted in New York. The Brazilian official rate was abolished on Nov. 16, 1937. The free-market rate in Brazil, which is utilized for the payment of new imports, was 5.0579 cents per milreis.<sup>10</sup> Gold peso equal to 18 pence. Source: U. S. Department of Commerce.<sup>11</sup> Official bank rate in Venezuela. Open market rate is lower. Source: U. S. Department of Commerce.

GENERAL NOTE.—In the South American countries included in this table there existed also free-market rates of exchange in each of the periods for which rates are shown subsequent to December 1924. If these free-market rates in the several countries had been used, the specific duties converted to United States currency in the tables of Ch. IX would be lower by the following percentages:

	December 1936	October 1937	March 1938 (or Apr. 1, 1938)
Argentina	8.8	9.6	22.8
Brazil	31.8	32.3	13.9
Chile	33.1	24.3	26.8
Colombia			4.2
Venezuela			3.3

Sources: 1913—Handbook of Foreign Currency and Exchange, U. S. Department of Commerce, Bureau of Foreign and Domestic Commerce. 1924, 1936, 1937, and 1938—Federal Reserve Bulletin, except as otherwise indicated. Returns of the Foreign Trade of China for Chinese customs gold unit. The number of decimal places shown is the same in each case as the number used for the conversions; only significant ciphers are shown.

TABLE 275.—Currencies of selected countries: Par of exchange 1913 and 1929, principal government measures since 1929 and quoted rates, March 1938

Country	Monetary unit	Par of exchange <sup>1</sup>		Principal governmental measures affecting currencies—1929-38			Rates of exchange March 1938		Exchange control	
		1913	January 1929	Official suspension of gold standard	Date of depreciation or devaluation	Date of new gold parity	As quoted (average for March)	Value in terms of predevaluation dollar	Introduced	Abandoned
UNITED STATES.....	Dollar.....	<i>U. S. cents</i> 100.00	<i>U. S. cents</i> 100.00	Apr. 20, 1933	Apr. 1933	Jan. 31, 1934	<i>U. S. cents</i> 100.00	<i>U. S. cents</i> 89.06	Mar. 6, 1933	Nov. 12, 1934
Argentina.....	Peso.....	96.48	96.48	Dec. 17, 1929	Nov. 1929	.....	* 23.28	19.66	Oct. 12, 1931	.....
Belgium.....	Franc.....	19.30	2.78	Mar. 30, 1935	Mar. 1935	{Mar. 31, 1935 <sup>2</sup> Mar. 31, 1936	* 3.38	2.00	Mar. 18, 1935	Apr. 26, 1935
Brazil.....	Milreals.....	82.16	11.92	.....	Dec. 1929	.....	* 5.87	2.47	May 18, 1931	.....
Canada.....	Dollar.....	100.00	100.00	Oct. 19, 1931	Sept. 1931	.....	99.73	58.89	.....	.....
China.....	Shanghai tael.....	65.91	65.12	.....	.....	.....	* 29.22	16.67	Sept. 9, 1934	.....
Cuba.....	Peso.....	100.00	100.00	Nov. 21, 1933	Nov. 21, 1933	.....	99.92	56.01	June 2, 1934	July 13, 1934
France.....	Franc.....	19.30	3.92	.....	.....	{Sept. 1936 Oct. 1, 1936 May 5, 1938	* 5.12	1.84	.....	.....
Germany.....	Reichsmark.....	23.82	23.82	.....	.....	.....	* 40.24	23.77	July 13, 1931	.....
India.....	Rupee.....	32.87	36.45	Sept. 21, 1931	Sept. 1931	.....	37.64	22.28	.....	.....
Japan.....	Yen.....	49.85	45.51	Dec. 13, 1931	Dec. 1931	.....	28.86	17.04	.....	.....
Mexico.....	Peso.....	42.41	48.37	July 25, 1931	Aug. 1931	.....	25.00	15.13	.....	.....
Netherlands.....	Florin.....	40.20	40.20	Sept. 27, 1936	Sept. 1936	.....	55.56	32.81	.....	.....
Sweden.....	Krona.....	26.80	26.80	Sept. 29, 1931	Sept. 1931	.....	25.67	15.16	.....	.....
Union of South Africa.....	Pound.....	486.66	486.66	Dec. 28, 1932	Jan. 1933	.....	468.74	294.56	.....	.....
United Kingdom.....	do.....	486.66	486.66	Sept. 21, 1931	Sept. 1931	.....	496.45	294.38	.....	.....

<sup>1</sup> Quoted rates of exchange shown for Brazil, China, India, and Mexico in 1913 and 1929, and in addition for Japan in 1929.

<sup>2</sup> Nominal quotations as given by the Federal Reserve Board. For Argentina the rate is for the paper peso whereas the par of exchange in 1913 and 1929 is for the "gold" peso.

<sup>3</sup> Date of provisional devaluation. Permanent devaluation occurred 1 year later.

<sup>4</sup> The currency of Luxemburg, a member of the Belgo-Luxemburg Economic Union, was on par with the Belgian franc prior to Apr. 1, 1935, when the Belgian franc was devalued by a greater percentage than the Luxemburg franc making 1 Luxemburg franc the equivalent of 1½ Belgian francs.

<sup>5</sup> Nominal quotation for the yuan; the yuan or Chinese dollar, having a fine silver content equal to 71½ percent of the Shanghai tael, was introduced in April 1933.

<sup>6</sup> Present rate (May 27, 1938), 2.7650 cents.

<sup>7</sup> The quotation for the reichsmark is largely nominal since many of Germany's foreign exchange transactions are conducted in other forms of currency at a discount based on quotations of the reichsmark.

<sup>8</sup> The exchange control of July 1, 1932, designed to prevent the flight of capital was supplemented by that of Jan. 8, 1937, which applied to payments for imports.

GENERAL NOTE.—The foreign countries for which data are shown are those prominent either as markets for iron and steel products of the United States or as sources of United States imports of such products. (See Ch. IV and V.) The Soviet Union, one of the chief markets for United States ferrous products, is not shown because of the nominal character of its exchange rates since the war.

Sources: Handbook of Foreign Currency and Exchange, 1930, Department of Commerce; Money and Banking, 1936-37, vol. I, League of Nations; Federal Reserve Bulletin, May 1938.