



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D. C. 20240



Stewart L. Udall, Secretary

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Iron and Steel Scrap
Monthly

IRON AND STEEL SCRAP IN MARCH AND APRIL 1966

Total domestic consumption of scrap in April was 6 percent less than in March 1966, and 4 percent less than in April 1965, according to the Bureau of Mines, U.S. Department of the Interior. Steelmaking furnaces accounted for 75 and 74 percent, respectively, of the total scrap consumed in March and April 1966. The remainder was used in ironmaking furnaces, principally the cupola.

Pig iron consumption also decreased in April, showing a decline of 3 percent from March 1966, and 2 percent for the like period in 1965.

Table 1.-Production, receipts, consumption, and consumers' stocks of ferrous scrap and pig iron, October 1965 through April 1966
(Short tons)

Date	Scrap for consumption			Consumption		Consumers' stocks at end of month	
	Home scrap produced	Purchased scrap received (net)	Total	Scrap	Pig iron	Scrap	Pig iron ^{1/}
Oct.----	4,198,815	2,758,416	6,957,231	6,740,869	6,378,373	7,413,684	2,459,636
Nov.----	3,834,601	2,731,694	6,566,295	6,497,756	5,930,227	7,502,290	2,449,845
Dec.----	4,152,836	2,956,222	7,109,058	7,001,143	6,501,902	7,637,656	2,328,961
Jan.----	4,175,387	2,958,601	7,133,988	7,454,608	7,024,340	7,321,531	2,234,851
Feb.----	4,266,550	2,980,457	7,247,007	7,272,378	6,956,304	7,304,715	2,160,050
Mar.----	4,959,020	^{2/} 3,582,873	8,541,893	8,484,577	8,051,897	7,357,207	2,090,975
Apr.----	4,760,329	^{2/} 3,291,892	8,052,221	7,944,961	7,848,743	7,471,151	2,134,887

^{1/} Suppliers' stocks included with consumers' stocks.

^{2/} Excludes 548,241 short tons of scrap shipped, transferred, or otherwise disposed of during month of March and 534,062 short tons for month of April.

Prepared November 14, 1966, by Robert A. Whitman, Physical Scientist.

Table 2.-Production and receipts of ferrous scrap by major consuming industries' plants,
October 1965 through April 1966
(Short tons)

Date	Home scrap produced			Purchased scrap received (net) ^{1/}		
	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscel- laneous users	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscel- laneous users
October-----	3,482,265	126,788	589,762	1,830,884	184,856	742,676
November-----	3,154,670	125,634	554,297	1,816,534	186,216	728,944
December-----	3,421,389	144,897	586,550	1,947,205	220,200	788,817
January-----	3,467,917	133,420	574,050	2,027,196	183,416	747,989
February-----	3,564,115	136,544	565,891	2,074,367	175,648	730,442
March-----	4,154,639	150,385	653,996	2,529,719	206,446	846,708
April-----	4,014,641	138,324	607,364	2,310,895	185,706	795,291

^{1/} Excludes scrap shipped, transferred or otherwise disposed of during the month.

Table 3.-Consumers' stocks, production, receipts, consumption and shipments of iron and steel scrap,
by grades, March and April 1966
(Short tons)

Grades of scrap	Stocks at beginning of month ^{r/}	Home scrap produced	Purchased scrap received ^{1/}	Consump- tion	Ship- ments	Stocks at end of month
<u>March</u>						
Steel scrap, excludes rerolling rails:						
Carbon-----	5,413,698	3,645,917	3,381,474	6,499,244	382,419	5,559,426
Alloy, excludes stainless-----	372,948	253,616	61,817	315,844	13,121	359,416
Stainless-----	117,384	51,981	39,620	89,467	3,454	116,064
Cast iron, includes borings-----	1,395,861	1,007,506	648,203	1,580,022	149,247	1,322,301
Total-----	7,299,891	4,959,020	4,131,114	8,484,577	548,241	7,357,207
<u>April</u>						
Steel scrap, excludes rerolling rails:						
Carbon-----	5,559,566	3,492,618	3,136,599	6,141,878	388,205	5,658,700
Alloy, excludes stainless-----	360,695	249,655	60,721	302,351	15,912	352,808
Stainless-----	116,008	51,912	40,724	82,831	3,293	122,520
Cast iron, includes borings-----	1,327,622	966,144	587,910	1,417,901	126,652	1,337,123
Total-----	7,363,891	4,760,329	3,825,954	7,944,961	534,062	7,471,151

^{r/} Revised.

^{1/} Purchased scrap received from dealers and all others.

Table 4.-Home scrap produced by source, by type of manufacturers,
during March and April 1966
(Short tons)

	Source of scrap			Total
	Recirculating 1/	Obsolete 2/	Other including slag	
<u>March</u>				
Manufacturers of steel ingots and castings--	3,613,614	317,611	223,414	4,154,639
Manufacturers of steel castings-----	149,879	358	148	150,385
Iron foundries and miscellaneous users-----	640,250	13,235	511	653,996
Total-----	4,403,743	331,204	224,073	4,959,020
<u>April</u>				
Manufacturers of steel ingots and castings--	3,481,014	316,446	217,181	4,014,641
Manufacturers of steel castings-----	137,644	531	149	138,324
Iron foundries and miscellaneous users-----	596,181	10,256	927	607,364
Total-----	4,214,839	327,233	218,257	4,760,329

^{1/} Includes home, plant, or recycled iron and steel scrap.

^{2/} Includes molds, stools, machinery, and buildings; excludes rerolling rails.

Table 5.-Consumption of iron and steel scrap at major consuming industries' plants, during March and April 1966, and consumption year to date, by grades (Short tons)

Grades of scrap	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscel-laneous users	Total consump-tion	Total consumption year to date
<u>March</u>					
Steel scrap, excludes rerolling rails:					
Carbon-----	5,659,286	308,331	531,627	6,499,244	17,773,997
Alloy, excludes stainless-----	282,107	15,222	18,515	315,844	871,865
Stainless-----	83,665	2,952	2,850	89,467	236,275
Cast iron, includes borings-----	590,689	35,098	954,235	1,580,022	4,329,426
Total-----	6,615,747	361,603	1,507,227	8,484,577	23,211,563
<u>April</u>					
Steel scrap, excludes rerolling rails:					
Carbon-----	5,374,503	281,768	485,607	6,141,878	23,915,875
Alloy, excludes stainless-----	272,698	14,643	15,010	302,351	1,174,216
Stainless-----	77,087	2,705	3,039	82,831	319,106
Cast iron, includes borings-----	496,072	33,201	888,628	1,417,901	5,747,327
Total-----	6,220,360	332,317	1,392,284	7,944,961	31,156,524

Table 6.-Stocks of iron and steel scrap and pig iron on hand at major consuming industries' plants, at end of month (Short tons)

Date	Scrap stocks				Pig iron stocks			
	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscel-laneous users	Total	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscel-laneous users	Total
Oct. 31, 1965---	6,124,658	347,605	959,421	7,431,684	1,953,108	28,300	478,228	2,459,636
Nov. 30, 1965---	6,178,345	351,065	972,880	7,502,290	1,961,549	28,237	460,059	2,449,845
Dec. 31, 1965---	6,243,376	372,930	1,021,350	7,637,656	1,858,801	27,556	442,604	2,328,961
Jan. 31, 1966---	5,930,488	373,314	1,017,729	7,321,531	1,809,246	26,289	399,316	2,234,851
Feb. 28, 1966---	5,944,647	369,696	990,372	7,304,715	1,758,356	26,182	375,512	2,160,050
Mar. 31, 1966---	6,010,825	364,055	982,327	7,357,207	1,704,800	26,166	360,009	2,090,975
Apr. 30, 1966---	6,114,739	356,183	1,000,229	7,471,151	1,762,325	26,191	346,371	2,134,887

Table 7.-Pig iron stocks, production, receipts, consumption and shipments (Short tons)

	Stocks at beginning of month <u>r</u> /	Produced during the month	Received during the month	Consumed during the month	Shipped to others during the month	Stocks at end of month
February 1966-----	2,266,834	6,848,260	595,594	6,956,304	594,334	2,160,050
March 1966-----	2,158,176	7,920,751	741,367	8,051,897	677,422	2,090,975
April 1966-----	2,092,154	7,858,297	703,030	7,848,743	669,851	2,134,887

r/ Revised.

Table 8.-Consumers' receipts and total consumption of iron and steel scrap,
by grades, during March and April 1966
(Short tons)

Grades of scrap (Excludes rerolling rails)	Receipts during the month			Total consumption
	From dealers	From others	Total	
<u>March</u>				
Carbon steel:				
Low phosphorus plate and punchings---	301,502	76,927	378,429	458,059
Cut structurals and plate-----	118,188	1,721	119,909	128,082
Steel car wheels-----	13,199	364	13,563	13,288
No. 1 heavy melting-----	611,880	203,170	815,050	2,790,852
No. 1 and electric furnace bundles---	519,838	154,086	673,924	685,935
No. 2 and all other bundles-----	442,610	49,125	491,735	542,051
Turnings and borings-----	257,044	10,501	267,545	277,986
Slag scrap (Fe content)-----	37,397	55,068	92,465	289,439
All other carbon steel scrap-----	419,781	109,073	528,854	1,313,552
Alloy steel, excludes stainless-----	42,562	19,255	61,817	315,844
Stainless steel-----	35,060	4,560	39,620	89,467
Cast iron: Borings-----	68,919	33,866	102,785	133,991
All other cast iron scrap-----	436,433	108,985	545,418	1,446,031
Total-----	3,304,413	826,701	4,131,114	8,484,577
<u>April</u>				
Carbon steel:				
Low phosphorus plate and punchings---	248,971	76,495	325,466	409,285
Cut structurals and plate-----	99,588	2,049	101,637	120,445
Steel car wheels-----	12,239	212	12,451	13,939
No. 1 heavy melting-----	583,810	199,128	782,938	2,681,887
No. 1 and electric furnace bundles---	485,048	158,630	643,678	672,823
No. 2 and all other bundles-----	437,407	39,275	476,682	504,720
Turnings and borings-----	191,675	12,629	204,304	260,449
Slag scrap (Fe content)-----	40,295	64,544	104,839	291,608
All other carbon steel scrap-----	394,104	90,500	484,604	1,186,722
Alloy steel, excludes stainless-----	43,475	17,246	60,721	302,351
Stainless steel-----	35,819	4,905	40,724	82,831
Cast iron: Borings-----	66,530	29,155	95,685	125,730
All other cast iron scrap-----	387,591	104,634	492,225	1,292,171
Total-----	3,026,552	799,402	3,825,954	7,944,961

Table 9.-Consumers' production, receipts, consumption and stocks of iron and steel scrap, and consumption of pig iron in the United States, districts and States, March and April 1966
(Short tons)

District and State	Home scrap produced	Total purchased scrap received 1/2	Consumption by grades					Scrap stocks	Pig iron consumption	
			Carbon steel (excludes re-rolling rails)	Alloy steel (excludes stainless)	Stainless steel	Cast iron (includes borings)	Total scrap			
March										
New England:										
Connecticut, Massachusetts, Rhode Island-----	22,538	28,478	21,355	1,234	3,044	24,767	50,400	45,115	13,349	
Maine, New Hampshire, Vermont-----	1,515	2,489	1,179	-----	-----	2,866	4,045	2,979	905	
Total-----	24,053	30,967	22,534	1,234	3,044	27,633	54,445	48,094	14,254	
Middle Atlantic:										
New Jersey-----	20,625	54,567	25,191	1,066	401	32,198	58,856	82,101	11,094	
New York-----	256,717	158,463	307,071	7,046	8,953	77,314	400,384	568,191	517,971	
Pennsylvania (East) 2/3-----	336,965	240,390	429,285	64,846	3,562	69,993	567,686	586,068	544,479	
Pennsylvania (West)-----	792,311	464,145	838,037	89,732	36,848	175,480	1,140,097	885,762	1,374,403	
Total-----	1,408,618	917,565	1,599,584	162,690	49,764	354,985	2,167,023	2,122,122	2,447,950	
East North Central:										
Illinois-----	411,837	421,081	617,572	20,650	3,316	129,821	771,359	834,457	572,563	
Indiana-----	636,642	381,564	801,406	11,301	2,797	104,886	920,390	749,687	1,068,014	
Michigan-----	440,196	442,417	541,477	4,116	11,036	298,818	855,447	391,951	700,958	
Ohio (East) 3/4-----	683,399	555,239	946,779	81,176	10,119	133,680	1,171,754	722,140	1,146,840	
Ohio (West)-----	162,543	232,857	213,673	952	118	104,774	319,517	144,284	236,863	
Wisconsin-----	60,901	58,123	58,024	532	355	51,972	110,883	52,994	19,843	
Total-----	2,395,518	2,091,281	3,178,931	118,727	27,741	823,951	4,149,350	2,895,513	3,745,081	
West North Central:										
Iowa-----	26,630	43,812	44,433	-----	-----	25,104	69,549	72,243	8,846	
Kansas and Nebraska-----	3,602	8,635	12,015	-----	88	3,571	15,589	9,130	565	
Minnesota-----	26,169	14,624	30,183	1,301	-----	14,142	45,042	56,769	53,660	
Missouri-----	26,272	80,538	77,971	-----	-----	17,117	95,745	174,773	3,954	
Total-----	84,673	147,609	164,602	1,301	88	59,934	225,925	312,915	67,025	
South Atlantic:										
Delaware and Maryland-----	289,021	71,212	309,636	1,440	-----	22,494	340,259	210,201	539,693	
Florida and Georgia-----	12,853	43,479	56,259	-----	6,689	2,026	58,285	64,690	1,020	
North Carolina and South Carolina-----	5,799	18,839	11,706	895	-----	13,654	25,483	18,536	5,117	
Virginia and West Virginia-----	88,208	137,343	194,099	-----	-----	24,970	219,841	118,526	218,999	
Total-----	395,881	270,873	571,700	2,335	6,689	63,144	643,868	411,953	764,829	
East South Central:										
Alabama-----	165,653	134,107	204,121	8,187	w/	59,840	272,153	328,686	318,772	
Kentucky, Mississippi, Tennessee-----	91,207	122,778	142,708	11,269	w/	43,682	198,845	224,149	193,365	
Total-----	256,860	256,885	346,829	19,456	w/	103,522	470,998	552,835	512,137	
West South Central:										
Arkansas, Louisiana, Oklahoma-----	7,133	18,411	21,847	3,296	-----	3,706	25,571	51,418	1,317	
Texas-----	110,460	125,592	161,368	-----	w/	52,362	217,073	227,154	122,503	
Total-----	117,593	144,003	183,215	3,296	w/	56,068	242,644	278,572	123,820	
Rocky Mountain:										
Arizona, Colorado, Montana, Nevada, Utah-----	114,385	69,446	150,033	3,896	-----	25,870	179,799	278,345	197,444	
Pacific Coast:										
California and Hawaii-----	144,306	151,204	221,425	1,086	191	62,323	285,025	307,185	174,059	
Oregon and Washington-----	17,133	51,281	60,391	1,823	694	2,592	65,900	149,673	5,298	
Total-----	161,439	202,485	281,816	2,909	885	64,915	350,925	456,858	179,357	
U.S. total-----	4,959,020	4,131,114	6,499,244	315,844	89,467	1,580,022	8,484,577	7,357,207	8,051,897	

See footnotes at end of table.

Table 9.-Consumers' production, receipts, consumption and stocks of iron and steel scrap, and consumption of pig iron in the United States, by districts and States, March and April 1966 (Continued)
(Short tons)

District and State	Home scrap produced	Total purchased scrap received 1/	Consumption by grades					Scrap stocks	Pig iron consumption	
			Carbon steel (excludes re-rolling rails)	Alloy steel (excludes stainless)	Stainless steel	Cast iron (includes borings)	Total scrap			
April										
New England:										
Connecticut, Massachusetts, Rhode Island	21,968	29,951	20,464	1,148	2,397	25,203	49,212	46,115	12,029	
Maine, New Hampshire, Vermont	1,340	2,516	1,147	-----	-----	2,704	3,851	2,852	765	
Total	23,308	32,467	21,611	1,148	2,397	27,907	53,063	48,967	12,794	
Middle Atlantic:										
New Jersey	20,909	49,315	31,560	1,113	325	29,348	62,346	88,281	7,740	
New York	250,400	145,818	297,255	7,933	8,359	75,211	388,798	539,657	493,166	
Pennsylvania (East) 2/	326,368	280,761	408,703	67,031	3,325	60,098	539,157	648,514	563,111	
Pennsylvania (West)	772,503	433,988	808,135	82,800	34,394	162,628	1,087,957	838,930	1,375,472	
Total	1,370,260	909,882	1,545,653	158,877	46,443	327,285	2,078,258	2,115,382	2,439,493	
East North Central:										
Illinois	400,084	385,952	613,090	18,886	3,672	110,534	746,182	850,218	578,823	
Indiana	616,139	340,758	760,476	12,336	2,519	92,274	867,605	764,549	1,058,096	
Michigan	416,626	400,115	505,433	3,871	12,215	253,697	775,216	420,509	691,057	
Ohio (East) 3/	638,262	513,781	880,892	76,899	7,630	116,675	1,082,016	753,620	1,095,155	
Ohio (West)	163,015	222,231	196,302	1,044	-----	102,433	299,829	157,672	224,578	
Wisconsin	58,370	55,436	52,989	467	287	47,959	101,702	55,645	18,952	
Total	2,292,496	1,918,273	3,009,182	113,503	26,323	723,572	3,872,590	3,002,213	3,666,661	
West North Central:										
Iowa	24,367	37,931	43,418	-----	-----	20,561	63,980	68,822	6,254	
Kansas and Nebraska	4,299	10,052	9,471	-----	80	3,561	13,034	10,502	474	
Minnesota	25,201	16,308	28,486	988	-----	13,336	42,262	55,943	53,507	
Missouri	22,395	73,508	73,065	-----	-----	15,730	89,420	179,776	3,292	
Total	76,262	137,799	154,440	988	80	53,188	208,696	315,043	63,527	
South Atlantic:										
Delaware and Maryland	280,590	81,887	304,367	2,032	-----	22,406	334,716	222,539	542,698	
Florida and Georgia	11,320	25,725	46,914	-----	5,911	3,126	50,040	51,535	1,302	
North Carolina and South Carolina	5,042	16,677	9,251	776	-----	10,799	20,173	20,619	4,295	
Virginia and West Virginia	87,341	113,326	171,405	-----	-----	22,145	194,203	124,398	203,313	
Total	384,293	237,615	531,937	2,808	5,911	58,476	599,132	419,091	751,608	
East South Central:										
Alabama	158,817	131,134	192,747	4,680	✓/	65,992	263,419	337,252	312,967	
Kentucky, Mississippi, Tennessee	63,688	100,928	95,122	8,528	✓/	37,067	141,535	239,502	84,264	
Total	222,505	232,062	287,869	13,208	✓/	103,059	404,954	576,754	377,231	
West South Central:										
Arkansas, Louisiana, Oklahoma	6,978	12,487	22,022	4,013	-----	3,603	25,643	44,710	1,169	
Texas	117,106	98,511	143,093	-----	✓/	46,851	194,030	239,256	127,629	
Total	124,084	110,998	165,115	4,013	✓/	50,454	219,673	283,966	128,798	
Rocky Mountain:										
Arizona, Colorado, Montana, Nevada, Utah	117,602	60,262	149,876	4,485	-----	18,641	173,002	280,632	232,537	
Total	117,602	60,262	149,876	4,485	-----	18,641	173,002	280,632	232,537	
Pacific Coast:										
California and Hawaii	131,188	130,828	207,759	1,025	166	49,959	258,909	284,864	171,866	
Oregon and Washington	18,331	57,768	68,436	2,296	602	5,360	76,694	144,239	4,228	
Total	149,519	188,596	276,195	3,321	768	55,319	335,603	429,103	176,094	
U.S. total	4,760,329	3,825,954	6,141,878	302,351	82,831	1,417,901	7,944,961	7,471,151	7,848,743	

^{1/} Includes 548,241 short tons that was shipped, transferred or otherwise disposed of during the month of March, and 534,062 short tons during the month of April.

^{2/} Pennsylvania is divided into East and West by the eastern boundary of the following counties: McKean, Cameron, Clearfield, Cambria, and Somerset.

^{3/} Ohio is divided into East and West by the eastern boundary of the following counties: Ottawa, Sandusky, Seneca, Crawford, Morrow, Delaware, Franklin, Pickaway, Ross, Pike, and Scioto.

^{4/} Figures withheld to avoid disclosing individual company confidential data; included in U.S. total.

CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON

Consumption of scrap in March and April 1966 averaged 273,696 and 264,832 short tons per day respectively, compared with the average daily consumption of 247,560 tons for the year 1965.

In March, open-hearth furnaces used 45 percent of the total scrap, and 44 percent in April, while electric furnaces accounted for 19 percent during each of the respective months. Blast furnaces used 6 percent of the total scrap consumed. Consumption by type of furnace during the two months is shown in table 10.

Table 10.-Consumption of iron and steel scrap, and pig iron, by type of manufacturers and furnaces during March and April 1966 (Short tons)

Type of furnace or equipment	Steel ingots and castings 1/		Steel castings 2/		Iron foundries and miscellaneous users		Total	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
March								
Basic oxygen converters 3/	917,330	2,196,455	-----	-----	-----	-----	917,330	2,196,455
Bessemer converters	766	34,855	486	-----	6,926	1,986	8,178	36,841
Open-hearth furnaces	3,726,925	5,073,150	65,472	7,610	-----	-----	3,792,397	5,080,760
Electric furnaces 4/	1,346,359	12,015	239,856	3,765	28,290	4,913	1,614,505	20,693
Total steelmaking furnaces	5,991,380	7,316,475	305,814	11,375	35,216	6,899	6,332,410	7,334,749
Blast furnaces 5/	470,095	-----	-----	-----	-----	-----	470,095	-----
Cupola furnaces	144,746	35,145	33,717	1,288	1,277,090	304,837	1,455,553	341,270
Air furnaces	4,728	1,319	22,072	3,685	128,480	10,666	155,280	15,670
Direct castings	-----	287,978	-----	-----	-----	72,230	-----	360,208
Ferroalloy	-----	-----	-----	-----	55,824	-----	55,824	-----
Miscellaneous	4,798	-----	-----	-----	10,617	-----	15,415	-----
Total:								
Mar. 1966	6,615,747	7,640,917	361,603	16,348	1,507,227	394,632	8,484,577	8,051,897
Feb. 1966	5,625,572	6,564,659	316,163	14,321	1,330,643	377,324	7,272,378	6,956,304
Jan. 1966	5,805,719	6,649,029	320,395	15,015	1,328,494	360,296	7,454,608	7,024,340
Dec. 1965	5,327,002	6,147,658	345,856	15,203	1,328,285	339,041	7,001,143	6,501,902
Nov. 1965	4,918,489	5,581,006	311,228	14,090	1,268,039	335,131	6,497,756	5,930,227
Oct. 1965	5,113,126	5,995,137	314,933	15,001	1,312,810	368,235	6,740,869	6,376,373

See footnotes at end of table.

Table 10.-Consumption of iron and steel scrap, and pig iron, by type of manufacturers and furnaces during March and April 1966 (Continued)
(Short tons)

Type of furnace or equipment	Steel ingots and castings 1/		Steel castings 2/		Iron foundries and miscellaneous users		Total	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
April								
Basic oxygen converters 3/-----	871,401	2,119,168	-----	-----	-----	-----	871,401	2,119,168
Bessemer converters-----	709	35,269	457	-----	5,800	2,094	6,966	37,363
Open-hearth furnaces-----	3,441,883	5,020,906	59,443	7,427	-----	-----	3,501,326	5,028,333
Electric furnaces 4/-----	1,292,574	7,555	221,794	3,502	24,130	3,539	1,538,498	14,596
Total steelmaking furnaces-----	5,606,567	7,182,898	281,694	10,929	29,930	5,633	5,918,191	7,199,460
Blast furnaces 5/-----	470,596	-----	-----	-----	-----	-----	470,596	-----
Cupola furnaces-----	133,749	24,716	31,561	1,451	1,197,259	286,792	1,362,569	312,959
Air furnaces-----	4,263	1,247	19,062	3,278	109,641	9,831	132,966	14,356
Direct castings-----	-----	244,675	-----	-----	-----	77,293	-----	321,968
Ferroalloy-----	-----	-----	-----	-----	45,040	-----	45,040	-----
Miscellaneous-----	5,185	-----	-----	-----	10,414	-----	15,599	-----
Total:								
Apr. 1966-----	6,220,360	7,453,536	332,317	15,658	1,392,284	379,549	7,944,961	7,848,743
Mar. 1966-----	6,615,747	7,640,917	361,603	16,348	1,507,227	394,632	8,484,577	8,051,897
Feb. 1966-----	5,625,572	6,564,659	316,163	14,321	1,330,643	377,324	7,272,378	6,956,304
Jan. 1966-----	5,805,719	6,649,029	320,395	15,015	1,328,494	360,296	7,454,608	7,024,340
Dec. 1965-----	5,327,002	6,147,658	345,856	15,203	1,328,285	339,041	7,001,143	6,501,902
Nov. 1965-----	4,918,489	5,581,006	311,228	14,090	1,268,039	335,131	6,497,756	5,930,227

1/ Includes only those castings made by companies producing steel ingots.
2/ Excludes companies that produce both steel castings and steel ingots.
3/ Includes scrap and pig iron processed in metallurgical blast cupola and used in oxygen converters.
4/ Includes crucible furnaces.
5/ Includes consumption in all blast furnaces producing pig iron.

Table 11.-Consumption of iron and steel scrap and pig iron in open-hearth
furnaces in the United States, by districts and States,
during March and April 1966
(Short tons)

District and State	Scrap	Pig iron	Total charge
<u>March</u>			
New England and Middle Atlantic:			
New York and Rhode Island-----	161,583	253,888	415,471
Pennsylvania (East)-----	368,189	473,630	841,819
Pennsylvania (West)-----	644,510	908,227	1,552,737
Total-----	1,174,282	1,635,745	2,810,027
East North Central:			
Illinois-----	248,329	368,940	617,269
Indiana-----	711,917	801,973	1,513,890
Michigan and Wisconsin-----	130,823	107,093	237,916
Ohio (East)-----	492,369	747,701	1,240,070
Ohio (West)-----	175,166	224,139	399,305
Total-----	1,758,604	2,249,846	4,008,450
West North Central:			
Minnesota and Missouri-----	29,259	49,031	78,290
Total-----	29,259	49,031	78,290
South Atlantic:			
Delaware, Maryland, West Virginia-----	396,206	627,380	1,023,586
Total-----	396,206	627,380	1,023,586
East and West South Central:			
Alabama, Kentucky, Texas-----	206,238	337,965	544,203
Total-----	206,238	337,965	544,203
Rocky Mountain and Pacific Coast:			
California, Colorado, Utah-----	227,808	180,793	408,601
Total-----	227,808	180,793	408,601
U.S. total-----	3,792,397	5,080,760	8,873,157
<u>April</u>			
New England and Middle Atlantic:			
New York and Rhode Island-----	167,143	244,335	411,478
Pennsylvania (East)-----	345,455	495,011	840,466
Pennsylvania (West)-----	615,773	927,003	1,542,776
Total-----	1,128,371	1,666,349	2,794,720
East North Central:			
Illinois-----	233,440	370,834	604,274
Indiana-----	655,182	795,520	1,450,702
Michigan and Wisconsin-----	124,126	104,166	228,292
Ohio (East)-----	421,341	695,278	1,116,619
Ohio (West)-----	154,148	212,601	366,749
Total-----	1,588,237	2,178,399	3,766,636
West North Central:			
Minnesota and Missouri-----	27,132	49,207	76,339
Total-----	27,132	49,207	76,339
South Atlantic:			
Delaware, Maryland, West Virginia-----	372,085	603,330	975,415
Total-----	372,085	603,330	975,415
East and West South Central:			
Alabama, Kentucky, Texas-----	178,133	320,822	498,955
Total-----	178,133	320,822	498,955
Rocky Mountain and Pacific Coast:			
California, Colorado, Utah-----	207,368	210,226	417,594
Total-----	207,368	210,226	417,594
U.S. total-----	3,501,326	5,028,333	8,529,659

FOREIGN TRADE

Exports of iron and steel scrap totaled 425,375 short tons in April compared with 346,564 short tons in March. Exports of pig iron during April totaled 1,035 tons and 1,798 tons in March. Imports of scrap were 87,223 tons in March and 145,780 tons in April. Of the scrap imported during March 85,696 tons came from Canada and 1,527 tons from other sources. In April 145,764 tons came from Canada and only 16 tons from other sources. Imports of pig iron totaled 28,092 short tons in March and 95,504 short tons in April. Sponge iron imports for March totaled 3,438 tons valued at \$399,918, of which 651 tons came from Canada and 2,787 tons from Sweden. Imports in April totaled 3,004 tons, valued at \$298,992, of which 1,276 tons came from Canada and 1,728 tons from Sweden.

Table 12.-U.S. exports of iron and steel scrap, by countries

Country	March 1966		April 1966		Jan. through Apr. 1966	
	Short tons	Value	Short tons	Value	Short tons	Value
Canada-----	64,126	\$1,913,145	75,552	\$2,173,903	229,898	\$6,838,086
France-----	-----	-----	-----	-----	6,744	310,081
Germany, West-----	4,024	141,999	-----	-----	9,906	299,843
Italy-----	21,487	515,575	-----	-----	121,100	2,839,839
Japan-----	103,268	2,678,434	232,599	5,907,737	659,701	18,072,508
Korea-----	12,829	531,121	18,290	693,372	31,119	1,224,493
Mexico-----	85,719	2,829,332	62,247	2,126,000	263,244	8,629,784
Spain-----	9,340	181,574	9,471	212,680	54,050	1,283,624
Sweden-----	1,494	189,562	4,898	253,260	23,408	1,099,398
Taiwan-----	10,458	324,206	20,949	916,884	35,905	1,456,596
All others-----	33,809	939,865	1,369	77,517	107,859	3,110,298
Total-----	346,554	10,244,813	425,375	12,361,353	1,542,934	45,164,550

Table 13.-U.S. exports of iron and steel scrap, by grades

Grades of scrap	March 1966		April 1966		Jan. through Apr. 1966	
	Short tons	Value	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	96,019	\$3,179,175	114,922	\$3,863,478	495,008	\$16,299,384
No. 2 heavy melting steel scrap-----	64,652	1,838,280	53,928	1,512,780	251,459	7,105,737
No. 1 bundles-----	11,436	345,292	2,732	93,580	66,721	2,012,605
No. 2 bundles-----	115,740	2,552,265	138,620	2,857,551	434,619	9,255,220
Borings, shovelings, and turnings-----	16,422	386,559	42,152	918,013	103,284	2,205,972
Iron scrap-----	15,054	477,521	21,184	539,622	67,540	1,918,566
Stainless steel scrap-----	2,671	508,930	2,147	532,857	8,470	1,961,509
All other scrap ^{1/} -----	24,560	956,791	49,690	2,043,472	115,833	4,405,557
Total-----	346,554	10,244,813	425,375	12,361,353	1,542,934	45,164,550

^{1/} Includes tin plate and terne plate.