## MINERAL INDUSTRY SURVEYS



## UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF MINES**

DOUGLAS McKAY, Secretary

J. J. FORBES, Director

Iron and Steel Scrap Monthly Report No. 170

#### IRON AND STEEL SCRAP IN DECEMBER 1954

Consumption of ferrous materials (scrap and pig iron) during December totaled 10,053,763 gross tons, an increase of 4 percent over November, and was the highest of any month during 1953, according to the Bureau of Mines, United States Department of the Interior. Scrap consumed for all purposes totaled 5,075,563 tons, an increase of 3 percent over November; pig iron consumption totaled 4,978,200 tons, an increase of 5 percent. The daily consumption rate of ferrous materials in December was 324,315 gross tons, slightly higher than in the previous month; the total melt, increased for the fifth consecutive month, and consisted of 50 percent scrap and 50 percent pig iron, compared with 51 and 49 percent, respectively, during November.

Preliminary totals for the consumption of ferrous materials (scrap and pig iron) during 1954 are: scrap 54,781,000 gross tons, and pig iron 52,374,000 tons, a total melt of 107,155,000 tons, representing a decrease of 21 percent from the record year 1953.

Continued high steel production during December, 2 percent greater than November, reflected increased consumption of ferrous materials (scrap and pig iron) in steel-making furnaces. Scrap and pig iron so used increased 2 percent and h percent, respectively, over November. The total melt (8,163,383 gross tone) in steel-making furnaces, 3 percent greater than the previous month, consisted of 46 percent scrap and 54 percent pig iron. Electric furnaces used 566,223 tons of scrap during December, a decrease of 1 percent from November.

Table 1 - Summary of production, receipts, consumption and consumers! stocks of iron and steel scrap and pig iron, July 1954 to December 1954, in gross tons

	Scrap	for Consump	tion	Consum	ption	Consumer at end	rs' Stocks of month
	Home	Purchased					
	Scrap	Scrap					/
Date	Produced	Received (Net)	Total	Scrap	Pig iron	Scrap	Pig iron
July 1954	2,351,004	1,717,506	4,068,510	3,909,336	3,990,431	5,798,311	2,465,967
Aug. 1954	2,411,599	1,846,944	4,258,543	4,164,703	4,013,552	5,891,822	2,538,723
Sept. 1954		1,795,827	4,222,155	4,298,495	4,005,578	5,812,356	بلدو,8بلبار2
Oct. 1954	2,623,832	2,163,398	4,787,230	4,782,488	4,518,770	5,811,262	2,357,134
Nov. 1954		2,500,293	5,237,695	4,928,850	4,764,215	6,117,512	2,261,366
Dec. 1954-	2,937,073	2,585,2925	5,522,365	5,075,563	4,978,200	6,561,511	2,264,482

Suppliers stocks included with consumers stocks.

Excludes 206,888 gross tons of scrap shipped, transferred or otherwise disposed of

during month.

Prepared by James E. Larkin and James C.O. Harris, March 2, 1955, under the supervision of Norwood B. Melcher, Chief, Branch of Ferrous Metals and Ferroalloys, Division of Minerals. 16386

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Stocks of ferrous materials (scrap and pig iron) held by consumers at the end of December totaled 8,825,996 tons, an increase of 5 percent over the previous month. Stocks of scrap at the end of December totaled 6,561,514 tons, an increase of 7 percent over November and 3 percent greater than stocks held by consumers on January 1; pig iron stocks totaled 2,264,482 tons, a slight increase over the previous month, but 9 percent less than a year ago.

The use of scrap and pig iron by gray iron foundries during December totaled 798,435 gross tons and 403,726 tons, respectively, each 8 percent above the previous month.

Total scrap for consumption (home scrap produced plus purchased scrap received) totaled 5,522,365 gross tons during December, compared with 5,237,695 gross tons in November; home scrap accounted for 2,937,073 tons and purchases 2,585,292 tons. Of the purchases 88 percent was received from dealers and 12 percent from other sources. Receipts of purchased scrap is a net figure, computed by deducting consumers scrap shipped, transferred or otherwise disposed of during the month from total scrap received from dealers and all others.

Table 2 - Scrap produced and received during December, and stocks at consumers' plants December 31, 1954, in gross tons

	Home Scrap	Scrap	received	Scrap stocks
].	Produced	From Dealers	From Others	December 31
No. 1 heavy malting steel-	1,174,294	476,912	39,355	1,687,889
No. 2 heavy melting steel	506 بابلا	366,442	25,846	824,965
Bundles	90,540	617,586	72,677	1,053,911
Low phosphorous scrap	97,025	197,933	26,130	438,020
Cast iron scrap, other than borings	492,624	297,676	39,971	870,534
Turnings and/or borings, alloy free	38, 846	236,648	39,103	282,446
Rerolling rails	955	35,626	31,866	186,794
Scrap rails	3,533	26,524	2,511	80,145
High speed steel	2,057	713	508	7,140
Stainless steel	31,809	13,987	3,303	65,639
All other alloy iron and steel	121,111	14,815	11,327	246,870
All other prepared scrap	464,023	118,070	28,738	486,812
Unprepared scrap	275,750	54,355	13,558	330,349
Total scrap	2,937,073	2,457,287*	334,893*	6,561,514

<sup>\*</sup> Includes 206,888 gross tons of scrap shipped, transferred or otherwise disposed of during month.

Stocks of iron and steel scrap at the end of December totaled 6,561,511 tons, compared with 6,117,512 tons on November 30, and were equivalent to a 10-day supply at the December consumption rate.

Table 3 - Stocks of iron and steel scrap and pig iron on hand at major consuming industries plants, at end of month, in gross tons

		Scrap Stock	po.		P1	Pig Iron Stocks	9	
Date	Mfgrs. of Steel Ingots and Castings	Mfgrs. of Steel Castings	Iron Foundries and Miscel- laneous Users	Total	Mfgrs. of Steel Ingots and Castings	Mfgrs. of Steel Cestings	Iron Foundries and Miscel- laneous Users	Total
32 1921 30 1921 30 1921 30 1921 31 1921	1,618,123 1,726,110 1,613,292 1,638,245 1,893,991 5,301,226	342,766 333,616 332,806 337,822 349,159 350,902	837,422 832,096 836,258 835,195 874,362 909,386	5,798,311 5,891,822 5,882,356 5,812,362 6,117,512 6,561,514	1,880,081 1,977,538 1,910,580 1,826,245 1,726,796	18,913 12,513 12,513 12,614 12,014 12,014	536,973 524,852 1,91,755 1,85,265 1,88,512 1,61,768	2,165,967 2,538,723 2,448,914 2,357,134 2,261,366 2,264,482

Table \( \mu \) - Consumption of iron and steel scrap in the United States during November and December, by grades, in gross tons

	November	December	Year to date
No. 1 heavy malting steel	1,490,066	1,542,565	16,958,271
No. 2 heavy melting steel	486,191 671,781	140,050 677,773	5,305,752
Low phosphorous scrap	281,923	287,004	3,199,954
Cast iron scrap other than borings	729,108	768,621	8,169,018
Turnings and/or borings, alloy free	256,92	263,928	2,611,201
Sover wells and the second sec	24,433	10, 720 10, 720	330,600
High speed steel	8,2,8	180°2	24,151
Stainless steel	148,655	1,5,862	1,85,992
All other alloy from and steel	121,81	129,728	1,3%,306
All other prepared scrap	582,898	615,928	6,965,277
Unprepared scrapessessessessessessessessessessessessess	187,223	188,191	1,996,837
Total (all grades)	4,928,850	5,075,563	54,780,758

### DRALERS AND BROKERS

Companies reporting during December, indicated that by the end of the month, stocks had decreased 1 percent from November. During December, dealers and automobile wreckers received virtually the same quantity of scrap in their yards as during November, while shipments decreased 7 percent. Receipts in December, however, were 4 percent less than shipments. Of the scrap handled by dealers during December, five grades (No. 1 and No. 2 heavy melting steel, bundles, low phosphorous, and cast iron scrap, other than borings), represented 49 percent of the receipts, 75 percent of the shipments and 30 percent of the stocks at the end of the menth. Unprepared scrap received in dealers and automobile wreckers yards and stocks held in their yards constituted 36 and 58 percent, respectively, of total receipts and stocks.

Table 5 - Dealers and automobile wreckers, receipts, shipments and stocks of iron and steel scrap as percentage of previous month

	Receipts during December 1954	Shipments during December 1951	Stocks Dec. 31, 1954
No. 1 heavy melting steel	102	87	101
No. 2 heavy melting steel	98	92	102
Bundles	102	101	90
Low phosphorous scrap	80	70	97
Cast iron scrap other than borings	109	95	109
Turnings and/or borings, alloy free	111	100	90
Rerolling rails	192	48	513
Scrap rails	72	94	96
High speed steel	725	788	127
Stainless steel	111	124	90
All other alloy iron and steel	259	246	107
All other prepared scrap	96 98	92	100
Unprepared scrap	98	99	99
Total (all grades)	100	93	99

### CONSUMPTION OF SCRAP IRON AND STEEL AND PIG IRON

Consumption of scrap in December totaled 5,075,563 gross tons which was at an average daily rate of 163,728 tons or 13 percent less than for the year 1953.

In December, open-hearth furnaces used 63 percent of the total screp, and 83 percent of the pig iron compared with 64, and 83 percent, respectively, in November; electric furnaces in December used 6 percent of the ferrous materials (scrap and pig iron) charged to all furnaces, with open-hearth using 73 percent. During 1953, these percentages were 6 and 73, respectively. Elast furnaces used 6 percent of the total scrap; the corresponding percentage for the year 1953 was 6.

During December, steel-waking furnaces (open-hearth, Bessemer and electric) accounted for 75 percent of the total scrap, and 88 percent of the pig iron consumed, compared with 76 and 83, respectively, during November. In 1953, steel-waking furnaces used 77 percent of the total scrap, and 88 percent of the pig iron. The remainder was used in iron-waking furnaces, principally the cupola. Consumption by type of furnace during December is shown in the following table:

Table 6 - Consumption of iron and steel scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during December 1954, by type of furnace, in gross tons

Type of furnace or equipment		ngots and tings 1/		Castings /		mdries and meous Veers	Ťo	tal
or equipment	Screp	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Open-hearth	3,164,413	4,121,977	42,241	6,947	-	-	3,206,654	4,128,924
Bes semer	16,874	228,621	1,536	52	562	20	18,972	228,693
Klectrio	465,253	11,419	90,247	1,489	10,723	1,009	566,223	13,917
Total steel-making furnaces-	3,646,540	4,362,017	134,024	8,488	11,285	1,029	3,791,849	4,371,534
Cupola	58,720	55,538	11,213	12,612	698,502	335,576	798,435	403,726
Blast 3/	310,685	-	-	-	( -	-	310,685	-
Direct castings	-	107,382	-	-	<b>-</b>	75,729	-	183,111
Air	2,436	851	27,606	5,718	62,868	13,260	92,910	19,829
Ferro-alloy	-	<b>-</b>	-	-	18,972	-	18,972	-
Miscellaneous	20,935	-	-	-	41,777		62,712	
Total December 1954	4,039,316	4,525,788	202,843	26,818	833,404	425,594	5,075,563	4,978,200
Total November 1954	3,983,236	4,346,778	171,916	22,804	773,698	394,633	4,928,350	h.76h.215
Total October 1954-	3,848,989	4,103,939	175,121	26,133	758,378	388,698	4,782,488	4,518,770
Total September 1954	3,403,651	3,620,936	176,633	26,185	718,211	358,457	4,298,495	4,005,578
Total August 1954	3,277,656	3,626,462	179,188	26,531	707,859	360,559	4,164,703	4,013,552
Total July 1954	3,178,491	3,674,777	135,410	23,607	595,435		3,909,336	3,990,431

Consumption of iron and steel scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during 1953, and preliminary data for 1954, by type of furnace, in gross tons

		gots and ings 1/	Steel Ca	stings	Iron Foun	dries and ous Users	Tot	<u>al</u>
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Open-hearth	43,438,130	54,557,347	908,543	180,658	-	-	44,346,673	54,738,005
Bessemer	218,175	3,882,210	24,648	2,324	3,624	392	246,447	3,884,926
Klectric	6,581,023	122,170	1,398,133	24,533	196,505	15,443	8,175,661	162,146
Total steel-making furnaces	50,237,328	58,561,727	2,331,324	24,533 207,515	200,129	15,835	52,768,781	58,785,077
Cupola	593,319	580,048	597,408	158,833	8,304,066	4,216,049	9,494,793	4,954,930
Blast 3/	4,418,073	_	-				4,418,073	
Direct Castings		1,552,554	· -	<b>-</b>	-	1,131,269	-	2,683,823
Air	34,939	14,233	272,871	بلبلا و67	760,982	198,136	1,068,792	279,513
Ferro-alloy	-			-	333,189	•	333,189	
Miscellaneous	241,204	-	-	-	541,688	-	782,892	-
Total 1953	55,524,863	60,708,562	3,201,603	433,492	10,140,054	5,561,289	68,866,520	66,703,343
Open-hearth-	34,345,02h	13,342,711	501,564	78,951	-	-	34,846,588	43,421,662
Bessener	162,818	2,542,461	15,416	852	3,954	161	182,188	2,543,474
Klectric	4,907,945	118,815	1,044,688	18,211	147,811	18,232	6.100.444	155,258
Total steel-making furnaces-	39,415,787	46,003,987	1,561,668	98,014	151,765	18,393	41,129,220	46,120,394
Cupola	626,911	577,781	494,512	151,863	7,421,158	3,634,774	8,542,581	4,364,418
Blast 3/	3,234,343			-		-	3,234,343	.,,,
Direct castings		1,006,066	-	-	-	667,485	-	1,673,571
Air	27,327	10,759	21,5,208	50,582	612,672	153,817	855,207	215,158
Ferro-alloy-	-		-	-	272,863	-	272,863	-
Miscellaneous	247,710	-	-	-	498,834	-	746,544	-
Total 1954	43,552,078	47,598,613	2,271,388	300,459	8,957,292	4,474,469	54,780,758	52,373,541

<sup>1/</sup> Includes only those castings made by companies producing steel ingots.
2/ Excludes companies that produce both steel castings and steel ingots.
3/ Includes consumption in blast furnaces by both integrated and non-integrated mills.

<sup>1/</sup> Includes only those castings made by companies producing steel ingots.
2/ Excludes companies that produce both steel castings and steel ingots.
3/ Includes consumption in blast furnaces by both integrated and non-integrated mills.

Table 7 - Consumers' production, receipts, consumption and stocks of ferrous scrap, and consumption of pig iron in the United States, by State and Region, in gross tons

State and Region		· 1		Scrap		
Undistributed 93 h,016 h,573 28,506  New England, total 27,268 h8,63h 65,518 89,166  Commecticut 7,208 13,785 17,11h 17,053 Maine 3h3 637 692 1,h07 Massachusette 15,272 25,899 37,651 58,015 Mew Empshire 577 633 1,265 1,065 Member England 3,11h 6,735 6,619 7,989 Yermout 75h 9h5 2,11h 2,837  Hiddle Atlantic, total 832,336 691,376 1,362,821 1,863,745 1  New Jersey 11,121 12,768 25,096 25,705 475,712 Pennsylvania (Kest) 157,519 206,996 25,706 475,712 Pennsylvania (Kest) 157,519 206,996 25,706 475,712 Pennsylvania (West) 157,519 206,996 25,906 575,712 160,958 16h,601 293,528 515,191 179,168 Mem York Central, total 1,968,386 1,277,952 2,856,655 2,945,872 2 111inois 257,839 296,217 1,7015 616,161 18,611 19,600 Missech 17,739 366,886 17,5719 612,516 Michigan 237,852 251,126 59,575 612,516 Michigan 237,852 251,126 18,500 801,351 Missouri 32,822 31,887 58,766 63,923 Missouri 32,822 31,887 58,766 63,923 Missouri 22,457 17,669 17,381 123,025 Missouri 11,242 61,371 57,673 157,827 South Atlantic, total 21,905 181,678 355,399 324,200 Delaware, District of Columbia and Maryland 6,613 15,451 11,773 11,600 Morth Carolina 7,796 27,706 150,385 112,095 113,205 Missouri 11,730 7,757 157,577 157,527 South Atlantic, total 27,796 2,770 1,737 157,827 South Carolina 7,796 2,770 1,737 157,827 South Carolina 6,613 15,451 11,773 11,600 Morth Carolina 6,613 15,451 11,773 11,600 Mort	Pig Iron Consumed	Stocks	Consumed	Scrap		State and Region
Rew England, total	4,978,200	6,561,514	5,075,563	2,792,1801/	2,937,073	United States, total
Commeticat	-	28,586	4,573	4,016	93	Undistributed
Massachmsetts	21,233	89,166	65,518	48,634	27,268	New England, total
Massachmsetts	3,658	17,053	بليلا.17	13,785	7,208	Connecticut
Mew Hampshire   ST7   633   1,265   1,065   1,065   1,065   1,754   9,15   2,111   2,237     Middle Atlantic, total   832,336   691,376   1,362,821   1,863,715   1   Mew Jersey	293	1.407	692	637	31.3	Maine
Rhode Island	12,788 228	1.065	1,265		15,272	
Middle Atlantic, total   832,336   691,376   1,362,821   1,863,715   1	3,631	7,989	6,649	6,735	3,114	Rhode Island
New Jersey	635					Vermont
New Tork	1,4 <del>69</del> ,563	1,863,745			832,336	Middle Atlantic, total
Pennsylvania (East) 160,958 164,604 293,528 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 277,008 728,524 775,168 199,738 123,639 1164,039 11	16,163	67,674	51,064	142,768	14,121	
199,738   277,008   728,524   775,168	281,701 235,346	475,712	209,705	166,606	157,519	
Thinois	936,353	775,168	728,524	277,008	499,738	Pennsylvania (West)
Thdiana	2,355,314		2,456,655	1,277,952		•
Michigan	36h, 31h	816,442	477,045	296,247	257,839	
Chio (Rest)	674,668	632,516	589,575	254,126	387,822	
Chio (West)       81,713       86,123       136,303       188,451         Wisconsin       32,822       31,887       58,766       63,023         West North Centrel, total       50,954       132,073       139,902       320,519         Lowa       12,616       18,641       28,771       28,835         Kansas and Nebraska       1,639       4,392       5,877       10,832         Himseota       22,457       47,669       47,381       123,025         Missouri       214,242       61,371       57,873       157,827         South Atlantic, total       214,095       181,678       355,399       324,200         Delsware, District of       214,095       181,678       355,399       324,200         Delsware, District of       214,095       181,678       355,399       324,200         Delsware, District of       6,613       15,451       14,773       14,600         Florida and Georgia       6,613       15,451       14,773       14,600         North Carolina       2,796       2,370       1,897       1,732         Virginia and West Virginia       56,522       80,143       116,099       148,786         East South Central, total       16,934	315,022 859,625	304,009	21.5 300	242,003	237,45L	
Wisconsin         32,822         31,887         58,766         63,023           West North Central, total         50,954         132,073         139,902         320,519           Iowa         12,616         18,641         28,771         28,835           Kansas and Mebraska         1,639         4,392         5,877         10,832           Minnesota         22,457         47,669         47,381         123,025           Missouri         11,242         61,371         57,673         157,827           South Atlantic, total         214,095         181,678         355,399         324,200           Delaware, District of         201,095         181,678         355,399         324,200           Belaware, District of         6,613         15,451         14,773         14,600           Florida and Georgia         857         709         1,897         1,732           Virginia and West Virginia         857         709         <	125,292	188.451	136,303		81.713	
12,616   18,611   28,771   28,835   1,639   1,392   5,677   10,632   1,639   1,392   5,677   10,632   1,639   1,392   5,677   10,632   1,639   1,7,3669   1,7,381   123,025   11,212   61,371   57,873   157,827   11,212   61,371   57,873   157,827   11,212   61,371   57,873   157,827   11,212   61,371   57,873   157,827   11,212   61,371   6,613   15,151   11,773   11,600   11,773   11,600   15,151   11,773   11,600   15,151   11,773   11,600   1,375   6,102   1,795   1,675   1,792   1,792   1,792   1,792   1,792   1,792   1,792   1,795	16,393		58,766	31,887	32,822	
1,639	51,796					West North Central, total-
Minnesota   123,025   17,381   123,025   157,827   11,212   61,371   57,873   157,827   157,827   181,678   355,399   32h,200     Delaware, District of Columbia and Maryland   11,7,307   83,005   218,255   152,980   150,165   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,600   114,773   114,773   114,600   114,773   114,775	6,471	28,835			12,616	
Hissouri	498 42 <b>,6</b> 23	10,032	7,017	1,392		
South Atlantic, total   214,095   181,678   355,399   324,200	2,204	157,827	57,873	61,371	14,242	
Columbia and Maryland————————————————————————————————————	463,457	324,200	355,399	181,678	214,095	South Atlantic, total
Florida and Georgia   6,613   15,451   14,773   14,600						
North Carolina   2,796   2,370   1,375   6,102   1,732   56,522   80,113   116,099   118,786   150,385   217,959   267,065   180,931   150,385   217,959   267,065   180,931   150,385   150,385   150,385   112,659   150,385	316,257	152,980	218,255	83,005	11,7,307	
South Carolina—	1,502 1,206	6.102	11,375	2.370	2.706	
Virginia and West Virginia-         56,522         80,143         116,099         148,786           East South Central, total-         116,798         150,385         247,959         267,065           Alabama-         99,864         95,379         156,283         142,659           Kentucky, Hississippi, and Tennessee         46,934         55,006         91,676         124,406           West South Central, total-         45,395         92,207         126,327         186,794           Arkansas, Louisiana, and Oklahoma-         2,704         8,625         13,194         16,056           Texas-         42,691         83,582         113,133         170,738           Rocky Hountain, total-         78,146         49,993         114,039         159,165	1,002	1.732	1.897		857	
1   2,659   156,283   112,659   156,283   112,659   156,283   112,659   156,283   112,659   156,283   112,666   156,934   156,934   156,066   126,327   186,794   16	90يل ديلا	148,786	116,099	80,143	56,522	Virginia and West Virginia-
Rentucky, Hississippi, and   16,934   55,006   91,676   124,406     West South Central, total   15,395   92,207   126,327   186,794     Arkansas, Louisiana, and Oklahoma   2,704   8,625   13,194   16,056   12,691   83,582   113,133   170,738     Rocky Hountain, total   78,146   19,993   114,039   159,165	326,969	267,065	247,959	150,385	146,798	East South Central, total-
Temessee 46,934 55,006 91,676 124,406  West South Central, total 45,395 92,207 126,327 186,794  Arkansas, Louisiana, and Oklahoma 2,704 8,625 13,194 16,056 12,691 83,582 113,133 170,738  Rocky Hountain, total 78,146 49,993 114,039 159,165	252,566	142,659	156,283	95,379	99,864	
Arkansas, Louisiana, and 0klahoma 2,70k 8,625 13,19k 16,056 12,691 83,582 113,133 170,738  Rocky Mountain, total 78,1k6 k9,993 11k,039 159,165	74,403	06بار با12	91,676	55,006	46,934	
Oklahoma     2,70h     8,625     13,19h     16,056       Texas     h2,691     83,582     113,133     170,738       Rocky Mountain, total     78,1h6     h9,993     11h,039     159,165	52,960	186,794	126,327	92,207	45,395	West South Central, total-
Rocky Hountain, total 78,146 49,993 114,039 159,165	761	16,056		8,625	2,70h	
	52,199	170,738	113,133	83,582	42,691	Texas
ايما السيدة المستدة المؤوا المستدة المؤوا	168,036	159,165	114,039		78,31,6	Rocky Hountain, total-
Arisona and Nevada	2 168,008	20,946 130,30k	4,280 107,70h	4,795	1462 77.307	Arisona and Nevada
Idaho	12 14	2,268	615	974	59	Idabo
Montana 318 1,214 1,440 5,647 Pacific Coast, total 73,602 163,866 202,370 376,402	68,872					
California 66,801 131,163 171,467 279,950	<b>68,44,5</b>					· ·
Oregen 2,441 12,841 14,749 26,644 Washington 4,360 19,862 16,154 69,808	221 206	26,644	14,749	12,811	البلار2	Oregon

<sup>1/</sup> Includes 206,888 gross tons that was shipped, transferred or otherwise disposed of during December.

Table 8 - Consumption of ferrous scrap and pig iron in open-hearth furnaces in the United States, by State and Region, in gross tons

	Consus	ption during I	December 1954
State and Region	Total scrap	Pig iron	Total charge
United States, total	3,206,654	4,128,924	7,335,578
New England, total	26,397	7,577	33,974
Connecticut, Massachusetts, and Rhode Island	26 <b>,</b> 397	7,577	33,974
Middle Atlantic, total	989,858	1,291,000	2,280,858
New Jersey and New York	223,556 213,105 553,197	270,228 203,621 817,151	493,784 416,726 1,370,348
East North Central, total	1,466,003	1,885,654	3,351,657
Illinois	266,839 517,701 11,3,31,1 1,69,801 68,315	261,388 649,073 222,996 641,200 110,997	528,227 1,166,774 366,340 1,111,004 179,312
West North Central, total	59,508	39,374	98,882
Minnesota and Missouri	59,508	39,374	98,882
South Atlantic, total	283,413	430,944	714,357
Delaware and MarylandGeorgia and West Virginia	189,988 93,425	295,428 135,516	485,416 228,941
East South Central, total	101,475	227,387	328,862
Alabama and Kentucky	101,475	227,387	328,862
West South Central, tobal	81,156	39,061	120,217
Oklahoma and Texas	81,156	39,061	120,217
Rocky Mountain, total	92,557	152,676	245,233
Colorado and Utah	92,557	152,676	245,233
Pacific Coast, total	106,287	55,251	161,538
California and Washington	106,287	55,251	161,538

# FOREIGN TRADE 1/

According to the Bureau of the Census, exports of iron and steel scrap totaled 292,315 gross tons in December and 138,285 tons in November; exports of pig iron during December totaled 2,713 tons and 143 tons in November. Imports of scrap totaled 26,799 gross tons in December compared with 39,229 tons in November. Imports of pig iron totaled 10,386 gross tons in December and 18,697 tons in November. In addition to the above imports of pig iron during December there was 1,297 tons of sponge iron, valued at \$268,977, imported, of which 155 tons came from Canada and 1,142 tons from Sweden.

Table 9 - Imports of iron and steel scrap into the United States in December 1954 and year 1954 by countries (U. S. Department of Commerce)

	Decemb	er 1954	January to I	December 1954
Country	Gross tons	Value	Gross tons	Value
anada and Newfoundland	23,802 40 137 2,820	\$787,004 7,122 3,836 68,997	199,092 2,582 809 333 1,251 9,369	\$5,419,249 42,327 28,393 57,137 33,971 370,377
Total	26,799	\$866,969	213,436	\$5,951,454

Table 10 - Exports of iron and steel scrap from the United States by countries (U. S. Department of Commerce)

	Decem	ber 1954	January to	December 1954
Country	Gross tons	Value	Gross tons	Value
Canada	2,728	\$116,717	40,451	\$1,354,121
Italy	89,106	2,907,978	بلبلبار 156	5,045,047
apan	8,986	391,536	292,058	11,782,400
exico	12,900	399,156	201,866	5,932,527
pain-	•	"	48,653	1,467,117
nited Kingdom	70,885	2,407,219	161,914	5,070,046
est Germany	73,403	2,243,449	227,582	7,411,777
ll others	34,307	1,279,618	224,766	8,279,820
Total	292,315	\$9,745,673	1,353,734	\$46,342,855

Table 11 - Exports of iron and steel scrap from the United States by grades (U. S. Department of Commerce)

	Decem	ber 1954	January to	December 1954
	Gross tons	Value	Gross tons	Value
o. 1 and No. 2 heavy				
melting sorsp	177,824	\$5,920,711	900,993	\$30,433,710
led sheet melting scrap	101.051	3,240,118	289,023	9,270,083
orings, showelings and		-,,		,, ., .,
turnings	389	13,235	13,783	370,651
on scrap	389 9,888 636 2,527	325,250	91.478	2,863,308
rolling material	636	21,412	11, 896	865,413
1 other scrap 2/	2.527	224,947	91,478 14,896 43,561	2,539,690
- Amor PATER 5			4,7,5,742	-,,,,,,,,,
Total	292,315	\$9,745,673	1,353,734	\$46,342,855

<sup>1/</sup> To conform with other data in this report foreign trade data include tin plate scrap.

Z/ Includes terms plate, tin plate, circles, cobbles strip and scroll shear butts.

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