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FRED A. SEATON, *Secretary*

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Iron and Steel Scrap  
Monthly Report No. 225  
(July through October 1959)

### FERROUS SCRAP: JULY THROUGH OCTOBER 1959

Because of the steel strike, July 15 through November 7, and the absence of statistics from many companies that provide basic information to the Bureau of Mines, United States Department of the Interior, the Bureau suspended issuance of its Monthly Ferrous Scrap and Pig Iron Reports with the July 1959 preliminary report I.S.P. No. 99. The present report covers detailed month-by-month data for July through October 1959. Separate monthly issuance of ferrous scrap information will be resumed beginning with the November 1959 report.

Table 1 - Summary of production, receipts, consumption, and consumers' stocks of ferrous scrap and pig iron, May 1959 to October 1959, in gross 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 <sup>1/</sup>
May 1959-	3,922,048	2,639,821	6,561,869	6,642,572	6,867,857	8,199,281	3,118,025
June 1959-	3,865,664	2,431,824	6,297,488	6,322,404	6,586,062	8,214,592	3,064,057
July 1959-	2,052,457	1,627,466	3,679,923	3,584,931	3,193,458	8,311,839	3,132,458
Aug. 1959-	825,543	1,206,767	2,032,310	1,875,165	895,659	8,472,823	3,121,644
Sept. 1959-	954,424	1,319,320	2,273,744	2,114,015	971,040	8,610,706	3,057,662
Oct. 1959-	987,039	1,460,243 <sup>2/</sup>	2,447,282	2,266,709	1,046,052	8,790,755	3,003,601

<sup>1/</sup> Suppliers' stocks included with consumers stocks.

<sup>2/</sup> Excludes 72,647 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Prepared by James E. Larkin, James C.O. Harris, and Selma D. Harris, Jan. 29, 1960, under the supervision of H.G. Iverson, Chief, Branch of Ferrous Metals and Ferroalloys, Division of Minerals.

Table 2 - Production and receipts of ferrous scrap by major consuming industries plants, in gross 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
May 1959	3,386,717	105,144	430,187	1,999,324	152,144	488,353
June 1959	3,325,669	110,515	429,480	1,790,576	154,483	486,765
July 1959	1,595,284	87,196	369,977	1,066,173	123,788	437,505
Aug. 1959	395,116	87,339	343,088	645,511	126,166	435,090
Sept. 1959	451,050	98,265	405,109	692,541	137,860	488,919
Oct. 1959	498,025	93,154	395,860	815,551	144,752	499,940

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

Table 3a - Scrap produced, received, and consumed during July, stocks at consumers plants July 31, 1959, and consumption year-to-date, by grades, in gross tons

Grades of scrap	Home scrap produced	Purchased scrap received		Total scrap consumed	Scrap stocks July 31	Consumption Year-to-date
		From dealers*	From others*			
No. 1 heavy melting steel	728,571	231,794	43,744	991,811	2,559,955	13,681,945
No. 2 heavy melting steel	101,544	130,566	13,154	262,980	723,413	2,882,722
No. 1 and electric furnace bundles	30,187	214,395	68,433	255,785	889,066	3,267,867
No. 2 and all other bundles	15,179	146,090	24,665	188,892	843,676	2,263,445
Low phosphorous scrap	68,701	176,522	25,799	251,973	485,377	2,273,119
Cast iron scrap other than borings	412,166	256,001	34,301	662,011	1,017,636	5,926,901
Turnings and/or borings, alloy free	29,437	112,014	30,769	151,776	195,732	1,724,854
Rerolling rails	-	15,027	12,633	36,637	133,340	285,861
Scrap rails	1,139	20,752	305	21,607	62,591	183,431
High speed steel	1,381	487	303	2,212	5,267	19,912
Stainless steel	21,117	4,996	1,220	25,724	106,534	408,565
All other alloy iron and steel	93,234	11,664	9,173	114,991	266,703	1,248,694
All other prepared scrap	349,479	101,046	29,238	493,318	622,106	5,375,989
Unprepared scrap	200,322	15,673	3,317	125,214	400,443	1,361,921
Total (all grades)	2,052,457	1,437,027	297,054	3,584,931	8,311,839	40,905,226

\* Includes 106,615 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Table 3b - Scrap produced, received, and consumed during August, stocks at consumers plants August 31, 1959, and consumption year-to-date, by grades, in gross tons

Grades of scrap	Home scrap produced	Purchased scrap received		Total scrap consumed	Scrap stocks Aug. 31	Consumption Year-to-date
		From dealers*	From others*			
No. 1 heavy melting steel	111,861	137,433	14,615	212,840	2,602,407	13,894,785
No. 2 heavy melting steel	52,584	86,650	11,966	140,592	733,298	3,023,314
No. 1 and electric furnace bundles	2,708	103,532	28,056	98,006	923,648	3,365,873
No. 2 and all other bundles	6,740	104,677	6,116	101,283	857,845	2,364,728
Low phosphorous scrap	65,042	170,017	17,006	224,619	511,304	2,497,738
Cast iron scrap other than borings	288,681	253,627	28,161	560,085	1,022,378	6,486,986
Turnings and/or borings, alloy free	20,832	80,748	16,844	101,720	197,668	1,826,574
Rerolling rails	-	17,333	23,001	30,499	142,716	316,360
Scrap rails	996	20,143	719	21,823	62,354	205,254
High speed steel	1,034	692	249	2,008	5,194	21,920
Stainless steel	11,409	4,463	803	16,520	105,715	425,085
All other alloy iron and steel	49,157	13,498	8,166	67,023	267,939	1,315,717
All other prepared scrap	153,644	78,096	8,601	230,112	626,134	5,606,101
Unprepared scrap	60,855	25,344	1,676	68,035	414,223	1,429,956
Total (all grades)	825,543	1,096,253	165,979	1,875,165	8,472,823	42,780,391

\* Includes 55,465 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Table 3c - Scrap produced, received, and consumed during September, stocks at consumers plants September 30, 1959, and consumption year-to-date, by grades, in gross tons

Grades of scrap	Home scrap produced	Purchased scrap received		Total scrap consumed	Scrap stocks Sept. 30	Consumption Year-to-date
		From dealers*	From others*			
No. 1 heavy melting steel-----	129,638	143,921	15,103	236,749	2,631,477	14,131,534
No. 2 heavy melting steel-----	57,236	94,773	11,802	159,024	738,601	3,182,338
No. 1 and electric furnace bundles-----	2,551	127,883	41,978	103,351	990,513	3,469,224
No. 2 and all other bundles-----	9,462	126,076	8,644	140,413	864,392	2,505,141
Low phosphorous scrap-----	72,298	183,978	24,181	258,386	536,127	2,756,124
Cast iron scrap other than borings-----	339,790	262,876	30,864	619,164	1,008,430	7,106,150
Turnings and/or borings, alloy free-----	27,468	95,264	22,532	117,117	206,323	1,943,691
Rerolling rails-----	-	14,438	26,529	32,660	141,111	349,020
Scrap rails-----	606	24,721	781	27,273	70,002	232,527
High speed steel-----	1,192	611	385	2,280	5,061	24,200
Stainless steel-----	12,826	4,316	182	14,686	107,438	439,771
All other alloy iron and steel-----	58,050	12,192	8,400	69,205	270,839	1,384,922
All other prepared scrap-----	169,762	75,568	16,281	253,484	625,163	5,859,585
Unprepared scrap-----	73,545	17,139	3,004	80,223	415,229	1,510,179
Total (all grades)-----	954,424	1,183,756	210,666	2,114,015	8,610,706	44,894,406

\* Includes 75,102 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Table 3d - Scrap produced, received, and consumed during October, stocks at consumers plants October 31, 1959, and consumption year-to-date, by grades, in gross tons

Grades of scrap	Home scrap produced	Purchased scrap received		Total scrap consumed	Scrap stocks Oct. 31	Consumption Year-to-date
		From dealers*	From others*			
No. 1 heavy melting steel-----	142,856	187,261	15,307	294,184	2,683,732	14,425,718
No. 2 heavy melting steel-----	65,742	116,349	11,732	172,526	752,618	3,354,864
No. 1 and electric furnace bundles-----	3,768	120,702	46,467	132,422	1,027,875	3,601,646
No. 2 and all other bundles-----	13,226	165,774	11,818	154,173	900,090	2,659,314
Low phosphorous scrap-----	68,813	198,509	23,301	254,863	568,259	3,010,987
Cast iron scrap other than borings-----	346,767	283,844	28,038	628,209	1,018,934	7,734,359
Turnings and/or borings, alloy free-----	27,280	101,523	27,562	119,659	224,872	2,063,350
Rerolling rails-----	-	16,860	15,500	35,566	145,844	384,586
Scrap rails-----	1,321	22,319	822	26,166	59,729	258,693
High speed steel-----	1,223	1,313	382	2,668	5,349	26,868
Stainless steel-----	13,584	4,555	1,000	19,745	106,708	459,516
All other alloy iron and steel-----	48,497	13,383	7,990	69,610	267,965	1,454,532
All other prepared scrap-----	179,119	76,973	14,270	275,282	616,022	6,134,867
Unprepared scrap-----	74,843	16,568	2,768	81,636	412,758	1,591,815
Total (all grades)-----	987,039	1,325,933	206,957	2,266,709	8,790,755	47,161,115

\* Includes 72,647 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Table 4 - Stocks of ferrous scrap and pig iron on hand at major consuming industries plants, at end of month, in gross tons

Date	Scrap Stocks				Pig Iron Stocks			
	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscellaneous users	Total	Mfgs. of steel ingots and castings	Mfgs. of steel castings	Iron foundries and miscellaneous users	Total
May 31, 1959-----	7,040,759	360,989	797,533	8,199,281	2,460,951	50,356	606,718	3,118,025
June 30, 1959-----	7,062,885	362,899	788,808	8,214,592	2,280,171	62,350	721,536	3,064,057
July 31, 1959-----	7,135,826	374,469	801,544	8,311,839	2,356,399	62,745	713,314	3,132,458
Aug. 31, 1959-----	7,263,966	390,447	818,410	8,472,823	2,398,408	55,572	667,664	3,121,644
Sept. 30, 1959-----	7,368,805	404,280	837,621	8,610,706	2,372,453	48,826	636,383	3,057,662
Oct. 31, 1959-----	7,516,277	420,328	854,150	8,790,755	2,357,220	43,165	603,216	3,003,601

Table 5a - Dealers, brokers, and automobile wreckers,<sup>1/</sup> receipts, shipments, and stocks of ferrous scrap, for July 1959, in gross tons

Grades of scrap	Receipts during month		Shipments <sup>2/</sup> during month		Stocks	
	July 1959	Change from previous month (percent)	To domestic consumers	For export	July 31 1959	Change from end of previous month (percent)
No. 1 heavy melting steel-----	46,278	+ 1	52,869	53,956	108,427	+ 9
No. 2 heavy melting steel-----	63,322	-13	45,030	42,889	148,019	+ 8
No. 1 and electric furnace bundles-----	7,582	-44	15,136	1,754	18,103	+40
No. 2 and all other bundles-----	59,683	+ 3	40,903	25,218	201,948	+14
Low phosphorous scrap-----	10,792	-21	28,208	322	33,420	+ 5
Cast iron scrap other than borings-----	41,708	- 6	64,274	9,899	64,578	3/
Turnings and/or borings, alloy free-----	17,314	- 7	24,642	140	67,756	+ 6
Rerolling rails-----	2,825	+209	3,225	1,968	10,392	- 4
Scrap rails-----	2,532	-48	3,175	-	17,131	+ 1
Highspeed steel-----	54	+20	46	-	121	+ 7
Stainless steel-----	1,580	-34	1,316	30	3,728	+15
All other alloy iron and steel-----	657	-48	916	-	2,377	+ 1
All other prepared scrap-----	9,334	-13	24,703	51,987	48,015	- 2
Unprepared scrap-----	284,411	+16	91,445	7,066	638,690	+13
Total (all grades)-----	548,072	+ 3	395,888	195,229	1,362,705	+11

1/ Covers 854 identical companies reporting for June and July.

2/ Includes shipments from yards, and direct shipments by dealers and brokers from other than yard operations.

3/ Less than 1 percent increase.

Table 5b - Dealers, brokers, and automobile wreckers,<sup>1/</sup> receipts, shipments, and stocks of ferrous scrap, for August 1959, in gross tons

Grades of scrap	Receipts during month		Shipments <sup>2/</sup> during month		Stocks	
	August 1959	Change from previous month (percent)	To domestic consumers	For export	Aug. 31 1959	Change from end of previous month (percent)
No. 1 heavy melting steel-----	38,649	-17	45,994	50,585	102,428	+ 4
No. 2 heavy melting steel-----	60,984	- 6	39,151	44,066	157,379	+ 6
No. 1 and electric furnace bundles-----	8,424	+19	10,686	6,410	18,134	+14
No. 2 and all other bundles-----	49,226	-18	30,645	22,557	227,638	+11
Low phosphorous scrap-----	10,378	- 9	22,012	3,905	33,122	- 1
Cast iron scrap other than borings-----	43,212	+ 2	64,249	3,164	65,686	+ 3
Turnings and/or borings, alloy free-----	17,809	3/	21,633	290	75,637	+ 7
Rerolling rails-----	1,864	-35	7,551	17,000	8,463	-18
Scrap rails-----	3,072	+18	3,308	254	17,289	+ 4
Highspeed steel-----	84	+45	197	32	154	+23
Stainless steel-----	2,309	+46	1,796	30	4,559	+23
All other alloy iron and steel-----	780	+19	1,037	193	2,031	- 5
All other prepared scrap-----	14,390	+51	19,784	2,639	53,643	+12
Unprepared scrap-----	232,208	-19	74,061	14,146	644,298	+ 5
Total (all grades)-----	483,389	-13	342,104	165,271	1,410,461	+ 6

1/ Covers 833 identical companies reporting for July and August.

2/ Includes shipments from yards and direct shipments by dealers and brokers from other than yard operations.

3/ Less than 1 percent increase.

Table 5c - Dealers, brokers, and automobile wreckers,<sup>1/</sup> receipts, shipments, and stocks of ferrous scrap, for September 1959, in gross tons

Grades of scrap	Receipts during month		Shipments <sup>2/</sup> during month		Stocks	
	September 1959	Change from previous month (percent)	To domestic consumers	For export	Sept. 30 1959	Change from end of previous month (percent)
No. 1 heavy melting steel-----	46,012	+14	62,644	52,309	109,046	+ 8
No. 2 heavy melting steel-----	64,940	+15	41,208	51,279	167,548	+ 8
No. 1 and electric furnace bundles-----	7,641	-13	16,065	2,606	20,916	+ 6
No. 2 and all other bundles-----	50,780	+14	37,142	37,092	247,881	+ 4
Low phosphorous scrap-----	11,697	+13	30,908	3,977	31,298	- 7
Cast iron scrap other than borings-----	43,887	3/	68,570	4,143	69,692	+ 1
Turnings and/or borings, alloy free-----	18,201	+ 6	24,358	51	77,292	+ 9
Rerolling rails-----	1,487	-16	3,770	-	8,833	+ 4
Scrap rails-----	3,055	- 3	5,616	28	17,736	- 5
Highspeed steel-----	32	-62	113	-	126	-18
Stainless steel-----	2,130	-11	2,076	86	5,525	+19
All other alloy iron and steel-----	1,082	+39	774	203	16,796	+90
All other prepared scrap-----	11,565	-20	29,022	15,255	48,686	-19
Unprepared scrap-----	269,394	+ 9	108,730	8,589	678,357	+ 4
Total (all grades)-----	531,903	+ 8	430,996	175,618	1,499,732	+ 5

1/ Covers 875 identical companies reporting for August and September.

2/ Includes shipments from yards and direct shipments by dealers and brokers from other than yard operations.

3/ Less than 1 percent increase.

Table 5d - Dealers, brokers, and automobile wreckers,<sup>1/</sup> receipts, shipments, and stocks of ferrous scrap, for October 1959, in gross tons

Grades of scrap	Receipts during month		Shipments <sup>2/</sup> during month		Stocks	
	October 1959	Change from previous month (percent)	To domestic consumers	For export	Oct. 31 1959	Change from end of previous month (percent)
No. 1 heavy melting steel-----	60,824	+20	76,419	34,491	144,572	+10
No. 2 heavy melting steel-----	63,741	- 4	46,328	41,546	182,599	+ 5
No. 1 and electric furnace bundles-----	10,907	+39	24,961	4,171	27,025	+18
No. 2 and all other bundles-----	55,390	3/	39,904	29,333	267,124	+ 6
Low phosphorous scrap-----	12,916	- 6	35,309	92	35,052	4/
Cast iron scrap other than borings-----	44,639	+ 1	77,448	1,978	69,905	- 5
Turnings and/or borings, alloy free-----	19,823	+ 2	25,219	4	89,346	+ 8
Rerolling rails-----	1,303	-12	5,131	-	10,326	+17
Scrap rails-----	4,753	+44	3,993	-	17,525	3/
Highspeed steel-----	57	+63	126	-	158	+25
Stainless steel-----	1,731	-19	1,775	5	5,249	- 4
All other alloy iron and steel-----	1,089	- 7	772	147	3,038	-82
All other prepared scrap-----	13,141	+20	28,501	19,987	62,953	+34
Unprepared scrap-----	299,258	+ 5	53,333	2,626	808,680	+10
Total (all grades)-----	589,572	+ 5	419,219	134,380	1,723,552	+ 8

<sup>1/</sup> Covers 884 identical companies reporting for September and October.

<sup>2/</sup> Includes shipments from yards and direct shipments by dealers and brokers from other than yard operations.

<sup>3/</sup> Less than 1 percent decrease.

<sup>4/</sup> Less than 1 percent increase.

#### CONSUMPTION OF FERROUS SCRAP AND PIG IRON

Consumption of scrap in July totaled 3,584,931 gross tons which was at an average daily rate of 115,643 tons.

In July, open-hearth furnaces used 53 percent of the total scrap and 81 percent of the pig iron; electric furnaces in July used 9 percent of the combined total of ferrous scrap and pig iron charged to all furnaces, with open-hearth using 66 percent. Blast furnaces used 4 percent of the total scrap.

During July, steel-making furnaces (open-hearth, basic oxygen converter, Bessemer, and electric) accounted for 71 percent of the total scrap and 86 percent of the pig iron consumed. The remainder was used in iron-making furnaces, principally the cupola. Consumption by type of furnace during July is shown in the following table:

Table 6a - Consumption of ferrous scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during July 1959, by type of furnace, in gross tons

Type of furnace or equipment	Steel ingots and castings <sup>1/</sup>		Steel castings <sup>2/</sup>		Iron foundries and miscellaneous users		Total	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Open-hearth-----	1,853,632	2,592,756	42,364	7,864	-	-	1,895,996	2,600,620
Basic Oxygen Converter-----	29,379	73,288	-	-	-	-	29,379	73,288
Bessemer Converter-----	4,477	62,959	681	46	231	47	5,389	63,052
Electric <sup>3/</sup> -----	483,680	17,066	107,179	1,877	12,867	1,494	603,726	20,437
Total steel-making furnaces-----	2,371,168	2,746,069	150,224	9,787	13,098	1,541	2,534,490	2,757,397
Cupola-----	67,845	37,927	25,841	1,390	656,522	272,010	750,208	311,327
Air-----	2,932	724	23,116	3,329	61,393	12,338	87,441	16,391
Blast <sup>4/</sup> -----	137,926	-	-	-	-	-	137,926	-
Direct casting-----	-	63,863	-	-	-	44,480	-	108,343
Ferro-alloy-----	-	-	-	-	20,464	-	20,464	-
Miscellaneous-----	10,947	-	-	-	43,455	-	54,402	-
Total July 1959-----	2,590,818	2,848,583	199,181	14,506	794,932	330,369	3,584,931	3,193,458

<sup>1/</sup> Includes only those castings made by companies producing steel ingots.

<sup>2/</sup> Excludes companies that produce both steel castings and steel ingots.

<sup>3/</sup> Includes crucible furnaces.

<sup>4/</sup> Includes consumption in all blast furnaces producing pig iron.

# CONSUMPTION OF FERROUS SCRAP AND PIG IRON

Consumption of scrap in August totaled 1,875,165 gross tons which was at an average daily rate of 60,489 tons.

In August, open-hearth furnaces used 33 percent of the total scrap and 65 percent of the pig iron; electric furnaces in August used 14 percent of the combined total of ferrous scrap and pig iron charged to all furnaces, with open-hearth using 43 percent. Blast furnaces used 2 percent of the total scrap.

During August, steel-making furnaces (open-hearth, basic oxygen converter, Bessemer, and electric) accounted for 53 percent of the total scrap and 65 percent of the pig iron consumed. The remainder was used in iron-making furnaces, principally the cupola. Consumption by type of furnace during August is shown in the following table:

Table 6b - Consumption of ferrous scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during August 1959, by type of furnace, in gross tons

Type of furnace or equipment	Steel ingots and castings <sup>1/</sup>		Steel castings <sup>2/</sup>		Iron foundries and miscellaneous users		Total	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Open-hearth-----	573,974	570,825	40,569	7,844	-	-	614,543	578,669
Basic Oxygen Converter-----	-	-	-	-	-	-	-	-
Bessemer Converter-----	3,595	942	744	55	180	36	4,519	1,033
Electric <sup>3/</sup> -----	245,920	940	115,579	2,236	13,179	1,747	374,678	4,923
Total steel-making furnaces-----	823,489	572,707	156,892	10,135	13,359	1,783	993,740	584,625
Cupola-----	35,089	16,878	27,967	1,240	628,730	270,429	691,786	288,547
Air-----	882	369	16,368	2,795	63,934	12,773	81,184	15,937
Blast <sup>4/</sup> -----	44,292	-	-	-	-	-	44,292	-
Direct casting-----	-	6,550	-	-	-	-	-	6,550
Ferro-alloy-----	-	-	-	-	17,549	-	17,549	-
Miscellaneous-----	8,706	-	-	-	37,908	-	46,614	-
Total August 1959-----	912,458	596,504	201,227	14,170	761,480	284,985	1,875,165	895,659

<sup>1/</sup> Includes only those castings made by companies producing steel ingots.

<sup>2/</sup> Excludes companies that produce both steel castings and steel ingots.

<sup>3/</sup> Includes crucible furnaces.

<sup>4/</sup> Includes consumption in all blast furnaces producing pig iron.

# CONSUMPTION OF FERROUS SCRAP AND PIG IRON

Consumption of scrap in September totaled 2,114,015 gross tons which was at an average daily rate of 70,467 tons.

In September, open-hearth furnaces used 31 percent of the total scrap and 62 percent of the pig iron; electric furnaces in September used 15 percent of the combined total of ferrous scrap and pig iron charged to all furnaces, with open-hearth using 41 percent. Blast furnaces used 2 percent of the total scrap.

During September, steel-making furnaces (open-hearth, basic oxygen converter, Bessemer, and electric) accounted for 52 percent of the total scrap and 63 percent of the pig iron consumed. The remainder was used in iron-making furnaces, principally the cupola. Consumption by type of furnace during September is shown in the following table:

Table 6c - Consumption of ferrous scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during September 1959, by type of furnace, in gross tons

Type of furnace or equipment	Steel ingots and castings <sup>1/</sup>		Steel castings <sup>2/</sup>		Iron foundries and miscellaneous users		Total	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Open-hearth-----	610,499	594,774	39,020	7,652	-	-	649,519	602,426
Basic Oxygen Converter-----	-	-	-	-	-	-	-	-
Bessemer Converter-----	3,659	1,013	738	51	181	46	4,578	1,110
Electric <sup>3/</sup> -----	296,812	2,213	126,764	2,155	17,558	1,665	441,134	6,033
Total steel-making furnaces-----	910,970	598,000	166,522	9,858	17,739	1,711	1,095,231	609,569
Cupola-----	50,771	23,316	31,711	1,551	719,106	311,148	801,588	336,015
Air-----	693	318	22,083	3,148	76,314	14,591	99,090	18,057
Blast <sup>4/</sup> -----	46,170	-	-	-	-	-	46,170	-
Direct casting-----	-	7,399	-	-	-	-	-	7,399
Ferro-alloy-----	-	-	-	-	20,336	-	20,336	-
Miscellaneous-----	9,882	-	-	-	41,718	-	51,600	-
Total September 1959-----	1,018,486	629,033	220,316	14,557	875,213	327,450	2,114,015	971,040

<sup>1/</sup> Includes only those castings made by companies producing steel ingots.

<sup>2/</sup> Excludes companies that produce both steel castings and steel ingots.

<sup>3/</sup> Includes crucible furnaces.

<sup>4/</sup> Includes consumption in all blast furnaces producing pig iron.

# CONSUMPTION OF FERROUS SCRAP AND PIG IRON

Consumption of scrap in October totaled 2,266,709 gross tons which was at an average daily rate of 73,120 tons.

In October, open-hearth furnaces used 35 percent of the total scrap and 63 percent of the pig iron; electric furnace in October used 14 percent of the combined total of ferrous scrap and pig iron charged to all furnaces, with open-hearth using 44 percent. Blast furnaces used 2 percent of the total scrap.

During October, steel-making furnaces (open-hearth, basic oxygen converter, Bessemer, and electric) accounted for 55 percent of the total scrap and 64 percent of the pig iron consumed. The remainder was used in the iron-making furnaces, principally the cupola. Consumption by type of furnace during October is shown in the following table:

Table 6d - Consumption of ferrous scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during October 1959, by type of furnace, in gross tons

Type of furnace or equipment	Steel ingots and castings <sup>1/</sup>		Steel castings <sup>2/</sup>		Iron foundries and miscellaneous users		Total	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Open-hearth-----	744,963	649,691	53,075	11,329	-	-	798,038	661,020
Basic Oxygen Converter-----	-	-	-	-	-	-	-	-
Bessemer Converter-----	4,428	1,058	796	61	211	34	5,435	1,153
Electric <sup>3/</sup> -----	300,582	1,597	117,626	2,308	26,929	1,844	445,137	5,749
Total steel-making furnaces-----	1,049,973	652,346	171,497	13,698	27,140	1,878	1,248,610	667,922
Cupola-----	63,863	26,055	33,558	1,535	701,148	324,089	798,569	351,679
Air-----	568	290	18,373	3,215	79,338	16,506	98,279	20,011
Blast <sup>4/</sup> -----	44,155	-	-	-	-	-	44,155	-
Direct casting-----	-	6,440	-	-	-	-	-	6,440
Ferro-alloy-----	-	-	-	-	23,977	-	23,977	-
Miscellaneous-----	8,396	-	-	-	44,723	-	53,119	-
Total October 1959-----	1,166,955	685,131	223,428	18,448	876,326	342,473	2,266,709	1,046,052
Total September 1959-----	1,018,486	629,033	220,316	14,557	875,213	327,450	2,114,015	971,040
Total August 1959-----	912,458	596,504	201,227	14,170	761,480	284,985	1,875,165	895,659
Total July 1959-----	2,590,818	2,848,583	199,181	14,506	794,932	330,369	3,584,931	3,193,458
Total June 1959-----	5,132,019	6,114,359	263,611	18,158	926,774	453,545	6,322,404	6,586,062
Total May 1959-----	5,468,703	6,400,158	256,307	16,732	917,562	450,967	6,642,572	6,867,857

<sup>1/</sup> Includes only those castings made by companies producing steel ingots.

<sup>2/</sup> Excludes companies that produce both steel castings and steel ingots.

<sup>3/</sup> Includes crucible furnaces.

<sup>4/</sup> Includes consumption in all blast furnaces producing pig iron.

Table 7a - 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	Scrap			Scrap stocks July 31, 1959	Pig iron consumed
	Home scrap produced	Purchased scrap received	Consumed		
United States, total-----	2,052,457	1,734,081 <sup>1/</sup>	3,584,931	8,311,839	3,193,458
New England, total-----	15,035	18,209	32,280	46,285	11,128
Connecticut-----	4,211	3,732	8,732	11,088	2,450
Maine and New Hampshire-----	483	385	867	1,251	323
Massachusetts-----	7,748	9,111	15,614	24,998	5,039
Rhode Island-----	1,794	4,060	5,407	7,777	2,707
Vermont-----	799	921	1,660	1,171	609
Middle Atlantic, total-----	544,204	373,564	836,072	2,353,463	891,667
New Jersey-----	7,874	27,559	27,881	67,866	8,712
New York-----	80,574	79,750	127,507	577,992	158,770
Pennsylvania (East) <sup>2/</sup> -----	136,589	118,036	253,448	611,653	211,827
Pennsylvania (West)-----	319,167	148,219	427,236	1,095,952	512,358
East North Central, total-----	1,038,857	868,630	1,819,671	3,442,095	1,474,395
Illinois-----	205,622	183,730	399,088	791,833	283,641
Indiana-----	219,243	133,180	362,447	987,661	361,699
Michigan-----	185,398	199,835	351,735	413,314	239,677
Ohio (East) <sup>3/</sup> -----	286,109	238,694	476,568	854,549	412,410
Ohio (West)-----	102,704	78,691	167,504	341,022	159,744
Wisconsin-----	39,781	34,500	62,329	53,716	17,224
West North Central, total-----	32,986	56,443	105,600	321,091	31,179
Iowa-----	8,798	18,587	25,711	33,577	5,799
Kansas and Nebraska-----	3,531	9,554	10,687	13,117	419
Minnesota-----	11,894	7,953	23,475	117,663	21,211
Missouri-----	8,763	20,349	45,727	156,734	3,750
South Atlantic, total-----	171,250	97,507	242,344	537,435	383,533
Delaware, District of Columbia, and Maryland-----	99,927	22,735	118,440	289,165	185,506
Florida and Georgia-----	5,128	16,129	23,970	14,308	828
North Carolina-----	2,102	4,247	5,744	3,790	1,878
South Carolina-----	1,012	518	2,371	2,277	1,253
Virginia and West Virginia-----	63,081	53,878	91,819	227,895	194,068
East South Central, total-----	107,974	138,264	213,593	465,189	206,241
Alabama-----	74,814	82,527	133,981	274,677	161,023
Kentucky, Mississippi, and Tennessee-----	33,160	55,737	79,612	190,512	45,218
West South Central, total-----	46,022	67,579	122,372	323,804	49,773
Arkansas, Louisiana, and Oklahoma-----	3,445	7,028	13,043	8,879	564
Texas-----	42,577	60,551	109,329	314,925	49,209
Rocky Mountain, total-----	40,757	23,535	62,553	259,193	84,723
Arizona and Nevada-----	1,933	5,053	5,815	19,723	15
Colorado and Utah-----	38,396	17,513	54,985	234,128	84,685
Idaho and Montana-----	428	969	1,753	5,342	23
Pacific Coast, total-----	55,372	90,350	150,446	563,284	60,819
California-----	47,362	65,805	115,279	432,541	60,487
Oregon-----	4,092	9,369	16,784	35,179	116
Washington-----	3,918	15,176	18,383	95,564	216

- <sup>1/</sup> Includes 106,615 gross tons that was shipped, transferred, or otherwise disposed of during the month.
- <sup>2/</sup> Pennsylvania is divided into East and West by the eastern boundary of the following counties: McKean, Cameron, Clearfield, Cambria, and Somerset.
- <sup>3/</sup> 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.



Table 7b - 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	Scrap			Scrap stocks Aug. 31, 1959	Pig iron consumed
	Home scrap produced	Purchased scrap received	Consumed		
United States, total-----	825,543	1,262,232 <sup>1/</sup>	1,875,165	8,472,823	895,659
New England, total-----	16,232	24,504	36,400	48,512	12,061
Connecticut-----	4,968	6,771	9,436	13,274	1,855
Maine and New Hampshire-----	471	785	1,277	1,195	270
Massachusetts-----	8,441	10,573	16,322	26,142	5,563
Rhode Island-----	1,611	5,412	7,745	6,646	3,776
Vermont-----	741	963	1,620	1,255	597
Middle Atlantic, total-----	135,439	222,025	323,819	2,371,629	95,707
New Jersey-----	7,491	26,793	32,690	68,445	9,465
New York-----	17,679	31,062	40,288	586,314	9,480
Pennsylvania (East) <sup>2/</sup> -----	53,295	84,477	137,911	608,547	50,090
Pennsylvania (West)-----	56,974	79,693	112,930	1,108,323	26,672
East North Central, total-----	480,735	651,809	1,011,256	3,535,678	455,545
Illinois-----	128,440	180,450	280,548	807,648	120,176
Indiana-----	38,242	89,357	90,554	1,023,194	21,875
Michigan-----	108,936	116,205	213,341	423,903	117,820
Ohio (East) <sup>3/</sup> -----	88,158	165,056	221,720	884,798	29,198
Ohio (West)-----	83,401	66,539	147,163	338,929	150,624
Wisconsin-----	33,558	34,202	57,930	57,206	15,852
West North Central, total-----	25,060	49,341	68,860	325,633	13,141
Iowa-----	10,252	17,513	28,709	32,561	6,311
Kansas and Nebraska-----	3,968	10,122	11,474	15,629	452
Minnesota-----	5,516	7,700	12,707	117,953	3,657
Missouri-----	5,324	14,006	15,970	159,490	2,721
South Atlantic, total-----	69,750	69,486	123,714	552,278	184,510
Delaware, District of Columbia, and Maryland-----	4,211	5,514	8,876	289,618	2,244
Florida and Georgia-----	4,050	15,869	11,895	22,959	1,070
North Carolina-----	1,783	3,758	4,206	4,573	1,440
South Carolina-----	1,004	637	2,382	2,016	1,349
Virginia and West Virginia-----	58,702	43,708	96,355	233,112	178,407
East South Central, total-----	43,906	80,652	120,276	468,691	90,475
Alabama-----	27,108	50,465	75,989	276,773	76,129
Kentucky, Mississippi, and Tennessee-----	16,798	30,187	44,287	191,918	14,346
West South Central, total-----	32,668	68,998	86,628	337,139	30,488
Arkansas, Louisiana, and Oklahoma-----	2,844	4,566	7,651	8,172	515
Texas-----	29,824	64,432	78,977	328,967	29,973
Rocky Mountain, total-----	3,566	17,700	22,257	258,097	3,833
Arizona and Nevada-----	1,181	4,815	6,429	19,209	7
Colorado and Utah-----	2,120	11,906	14,773	233,357	3,819
Idaho and Montana-----	265	979	1,055	5,531	7
Pacific Coast, total-----	18,187	77,717	81,955	575,166	9,899
California-----	12,832	58,264	63,345	438,132	9,612
Oregon-----	3,303	7,181	12,185	33,224	81
Washington-----	2,052	12,272	6,425	103,810	206

<sup>1/</sup> Includes 55,465 gross tons that was shipped, transferred, or otherwise disposed of during the month.

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

<sup>3/</sup> 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.

Table 7c - 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	Scrap			Scrap stocks Sept. 30, 1959	Pig iron consumed
	Home scrap produced	Purchased scrap received	Consumed		
United States, total-----	954,424	1,394,422 <sup>1/</sup>	2,114,015	8,610,706	971,040
New England, total-----	19,933	24,249	39,447	50,203	13,113
Connecticut-----	6,098	7,151	11,999	14,030	2,844
Maine and New Hampshire-----	525	769	1,227	1,206	321
Massachusetts-----	9,984	11,896	19,030	26,365	6,473
Rhode Island-----	2,510	3,210	5,313	7,186	2,760
Vermont-----	816	1,223	1,878	1,416	715
Middle Atlantic, total-----	156,057	283,259	347,857	2,424,262	103,780
New Jersey-----	7,582	23,834	31,609	67,246	6,344
New York-----	22,449	50,139	51,955	605,644	12,071
Pennsylvania (East) <sup>2/</sup> -----	59,341	122,969	145,588	617,971	56,826
Pennsylvania (West)-----	66,685	86,317	118,705	1,133,401	28,539
East North Central, total-----	566,465	713,236	1,167,393	3,608,801	506,084
Illinois-----	138,076	217,307	312,349	836,807	126,236
Indiana-----	43,717	73,552	99,662	1,041,267	23,534
Michigan-----	137,021	140,940	269,076	426,165	138,502
Ohio (East) <sup>3/</sup> -----	100,798	151,966	226,566	909,010	32,027
Ohio (West)-----	103,906	88,524	187,339	336,439	164,849
Wisconsin-----	42,947	40,947	72,401	59,113	20,936
West North Central, total-----	27,845	50,842	78,764	323,828	14,472
Iowa-----	11,963	20,191	33,077	31,684	7,200
Kansas and Nebraska-----	4,291	7,123	12,478	14,291	372
Minnesota-----	5,872	7,453	14,804	116,124	3,751
Missouri-----	5,719	16,075	18,405	161,729	3,149
South Atlantic, total-----	74,748	73,124	150,514	548,319	188,565
Delaware, District of Columbia, and Maryland-----	5,198	4,814	9,868	289,378	3,802
Florida and Georgia-----	6,603	18,715	25,251	23,526	1,132
North Carolina-----	2,221	3,906	5,456	3,908	1,845
South Carolina-----	1,337	718	2,512	2,039	1,398
Virginia and West Virginia-----	59,389	44,971	107,427	229,468	180,388
East South Central, total-----	46,232	95,236	126,699	480,367	97,838
Alabama-----	27,261	57,361	77,265	284,350	80,108
Kentucky, Mississippi, and Tennessee-----	18,971	37,875	49,434	196,017	17,730
West South Central, total-----	39,318	51,920	99,232	325,459	34,228
Arkansas, Louisiana, and Oklahoma-----	2,882	5,211	7,536	8,139	418
Texas-----	36,436	46,709	91,696	317,320	33,810
Rocky Mountain, total-----	3,318	15,796	19,820	257,316	3,251
Arizona and Nevada-----	1,172	4,901	6,266	18,941	5
Colorado and Utah-----	2,101	10,850	13,403	232,905	3,231
Idaho and Montana-----	45	45	151	5,470	15
Pacific Coast, total-----	20,508	86,760	84,289	592,151	9,709
California-----	14,190	55,514	61,779	439,677	9,379
Oregon-----	4,181	17,062	16,458	38,153	103
Washington-----	2,137	14,184	6,052	114,321	227

<sup>1/</sup> Includes 75,102 gross tons that was shipped, transferred, or otherwise disposed of during the month.

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

<sup>3/</sup> 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.

Table 7d - 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	Scrap			Scrap stocks Oct. 31, 1959	Pig iron consumed
	Home scrap produced	Purchased scrap received	Consumed		
United States, total-----	987,039	1,532,890 <sup>1/</sup>	2,266,709	8,790,755	1,046,052
New England, total-----	21,257	25,965	43,144	51,345	13,450
Connecticut-----	6,544	8,428	13,333	15,123	2,527
Maine and New Hampshire-----	663	982	1,644	1,147	340
Massachusetts-----	10,408	12,407	19,822	27,134	6,687
Rhode Island-----	2,861	3,052	6,564	6,429	3,087
Vermont-----	781	1,096	1,781	1,512	809
Middle Atlantic, total-----	162,679	309,784	373,491	2,511,327	114,969
New Jersey-----	8,475	30,539	33,763	72,829	7,351
New York-----	21,438	38,575	52,109	610,977	11,841
Pennsylvania (East) <sup>2/</sup> -----	65,855	136,939	153,364	664,277	69,627
Pennsylvania (West)-----	66,911	103,731	134,255	1,163,244	26,150
East North Central, total-----	581,209	799,259	1,238,283	3,703,278	533,573
Illinois-----	140,026	230,813	329,119	865,328	132,883
Indiana-----	47,706	81,537	101,384	1,063,991	23,616
Michigan-----	137,214	155,450	268,749	445,691	142,061
Ohio (East) <sup>3/</sup> -----	97,436	178,769	256,442	925,125	43,852
Ohio (West)-----	113,245	109,933	207,977	341,942	169,470
Wisconsin-----	45,582	42,757	74,612	61,201	21,691
West North Central, total-----	28,019	67,463	87,455	330,421	17,661
Iowa-----	13,125	25,526	36,575	33,392	8,069
Kansas and Nebraska-----	3,595	7,494	11,566	13,629	351
Minnesota-----	6,234	7,961	15,303	114,757	4,334
Missouri-----	5,065	26,482	24,011	168,643	4,907
South Atlantic, total-----	82,049	85,011	181,509	533,171	203,582
Delaware, District of Columbia, and Maryland-----	5,197	4,812	10,760	288,228	3,881
Florida and Georgia-----	7,099	16,763	30,646	17,405	1,308
North Carolina-----	1,897	4,274	6,202	3,621	2,020
South Carolina-----	1,401	668	2,557	2,031	1,248
Virginia and West Virginia-----	66,455	58,494	131,344	221,886	195,125
East South Central, total-----	47,030	91,087	129,831	486,319	106,271
Alabama-----	28,974	51,275	79,293	285,249	89,675
Kentucky, Mississippi, and Tennessee-----	18,056	39,812	50,538	201,070	16,596
West South Central, total-----	39,692	52,679	103,491	311,544	38,123
Arkansas, Louisiana, and Oklahoma-----	2,155	5,175	6,770	8,327	457
Texas-----	37,537	47,504	96,721	303,217	37,666
Rocky Mountain, total-----	3,002	14,826	18,062	256,976	5,634
Arizona and Nevada-----	968	3,470	5,756	17,517	3
Colorado and Utah-----	1,989	11,302	12,159	234,037	5,604
Idaho and Montana-----	45	54	147	5,422	27
Pacific Coast, total-----	22,102	86,816	91,443	606,374	12,789
California-----	16,031	56,318	63,540	445,281	12,406
Oregon-----	3,296	20,138	17,419	44,127	103
Washington-----	2,775	10,360	10,484	116,966	280

<sup>1/</sup> Includes 72,647 gross tons that was shipped, transferred, or otherwise disposed of during the month.

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

<sup>3/</sup> 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.

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

State and Region	Consumption during July 1959			Consumption during August 1959		
	Total scrap	Pig iron	Total charge	Total scrap	Pig iron	Total charge
United States, total-----	1,895,996	2,600,620	4,496,616	614,543	578,669	1,193,212
New England and Middle Atlantic, total-----	568,002	771,788	1,339,790	135,144	57,823	192,967
Massachusetts, New Jersey, & Rhode Island	4,767	1,902	6,669	5,148	2,488	7,636
New York-----	76,465	148,363	224,828	3,795	417	4,212
Pennsylvania (East)-----	179,926	187,060	366,986	76,972	40,107	117,079
Pennsylvania (West)-----	306,844	434,463	741,307	49,229	14,811	64,040
East North Central, total-----	940,165	1,180,467	2,120,632	375,973	328,540	704,513
Illinois-----	222,636	226,082	448,718	173,651	100,620	274,271
Indiana-----	304,698	341,040	645,738	33,871	1,604	35,475
Michigan and Wisconsin-----	101,775	153,268	255,043	63,237	83,091	146,328
Ohio (East)-----	225,035	313,945	538,980	35,448	7,208	42,656
Ohio (West)-----	86,021	146,132	232,153	69,766	136,017	205,783
West North Central, total-----	26,092	19,873	45,965	1,199	291	1,490
Minnesota and Missouri-----	26,092	19,873	45,965	1,199	291	1,490
South Atlantic, total-----	156,791	367,623	524,414	55,131	172,046	227,177
Delaware, Maryland and West Virginia-----	156,791	367,623	524,414	55,131	172,046	227,177
East and West South Central, total-----	115,070	160,261	275,331	30,336	19,969	50,305
Alabama, Kentucky, Tennessee, and Texas-----	115,070	160,261	275,331	30,336	19,969	50,305
Rocky Mountain and Pacific Coast, total-----	89,876	100,608	190,484	16,760	-	16,760
California, Colorado, and Utah-----	89,876	100,608	190,484	16,760	-	16,760

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

State and Region	Consumption during Sept. 1959			Consumption during October 1959		
	Total scrap	Pig iron	Total charge	Total scrap	Pig iron	Total charge
United States, total-----	649,519	602,426	1,251,945	798,038	661,020	1,459,058
New England and Middle Atlantic, total-----	146,517	63,836	210,353	157,914	72,608	230,522
Massachusetts, New Jersey, & Rhode Island-----	4,123	2,212	6,335	5,531	2,522	8,053
New York-----	3,200	398	3,598	2,452	245	2,697
Pennsylvania (East)-----	79,155	45,559	124,714	83,931	57,144	141,075
Pennsylvania (West)-----	60,039	15,667	75,706	66,000	12,697	78,697
East North Central, total-----	378,789	340,477	719,266	478,308	370,332	848,640
Illinois-----	185,176	104,662	289,838	208,134	111,122	319,256
Indiana-----	6,642	621	7,263	37,585	2,048	39,633
Michigan and Wisconsin-----	65,612	81,644	147,256	62,246	86,283	148,529
Ohio (East)-----	27,117	6,484	33,601	53,308	16,850	70,158
Ohio (West)-----	94,242	147,066	241,308	117,035	154,029	271,064
West North Central, total-----	2,244	585	2,829	8,178	2,646	10,824
Minnesota and Missouri-----	2,244	585	2,829	8,178	2,646	10,824
South Atlantic, total-----	63,917	173,178	237,095	86,680	186,394	273,074
Delaware, Maryland, and West Virginia-----	63,917	173,178	237,095	86,680	186,394	273,074
East and West South Central, total-----	43,422	24,350	67,772	48,096	27,271	75,367
Alabama, Kentucky, Tennessee, and Texas-----	43,422	24,350	67,772	48,096	27,271	75,367
Rocky Mountain and Pacific Coast, total-----	14,630	-	14,630	18,862	1,769	20,631
California, Colorado, and Utah-----	14,630	-	14,630	18,862	1,769	20,631

## FOREIGN TRADE 1/

The Office of Export Supply, United States Department of Commerce, issued scrap export licenses for 211,641 gross tons during August; 259,797 tons during September; 576,601 tons during October; 305,198 tons during November; and 313,439 tons during December 1959. According to the Bureau of the Census, exports of pig iron during July, August, September, and October totaled 1,734, 3,007, 67, and 50 gross tons, respectively. Imports of pig iron totaled 91,482 gross tons in July, 72,738 tons in August, 45,908 tons in September, and 46,364 tons in October. In addition to the foregoing imports of pig iron, during July, there was 1,623 tons of sponge iron, valued at \$194,597, imported, of which 92 tons came from Canada and 1,531 tons from Sweden; during August, 104 tons of sponge iron, valued at \$19,082, imported, all from Canada; during September, 786 tons of sponge iron, valued at \$93,952, imported, of which 63 tons came from Canada and 723 tons from Sweden; during October, 484 tons of sponge iron, valued at \$66,052, imported, of which 91 tons came from Canada and 393 tons from Sweden.

Table 9 - Imports 2/ of ferrous scrap into the United States, by countries  
(U. S. Department of Commerce)

Country	July 1959		August 1959		September 1959		October 1959		January through October 1959	
	Gross tons	Value	Gross tons	Value	Gross tons	Value	Gross tons	Value	Gross tons	Value
Canada-----	20,871	\$737,563	25,470	\$1,020,818	13,578	\$523,894	15,301	\$637,435	178,802	\$6,913,768
Cuba-----	193	866	184	1,458	266	2,093	552	4,756	2,643	28,821
France-----	49	10,882	2,471	159,385	-	-	-	-	4,708	335,103
Japan-----	22	8,500	-	-	-	-	-	-	103	33,704
United Kingdom-----	3,199	166,101	-	-	-	-	37	10,144	11,485	556,162
West Germany-----	195	36,979	-	-	70	4,991	-	-	3,728	280,778
All others-----	107	22,099	2,875	211,512	620	38,787	24	11,685	19,861	1,258,224
Total-----	24,636	\$982,990	31,000	\$1,393,173	14,534	\$569,765	15,914	\$664,020	221,330	\$9,406,560

1/ To conform with other data in this report foreign tradedata include tin plate scrap.

2/ Preliminary data subject to revision. Value may differ widely because of variations in quality, classes, and grade combinations.

Table 10 - Exports 1/ of ferrous scrap from the United States, by countries  
(U. S. Department of Commerce)

Country	July 1959		August 1959		September 1959		October 1959		January through October 1959 2/	
	Gross tons	Value	Gross tons	Value	Gross tons	Value	Gross tons	Value	Gross tons	Value
Argentina-----	14	\$512	27	\$760	178	\$7,500	-	-	941	\$52,041
Canada-----	31,086	1,207,725	52,241	2,114,424	46,575	1,993,589	44,247	1,809,597	398,966	16,220,304
Italy-----	43,054	1,197,580	48,684	1,526,204	68,656	2,209,269	48,609	1,696,140	258,700	8,058,652
Japan-----	285,558	10,715,149	324,528	12,737,672	183,568	7,063,828	230,518	9,066,177	2,150,478	80,210,523
Mexico-----	47,056	1,814,167	28,883	1,086,119	36,361	1,443,729	30,680	1,199,018	300,150	11,334,722
Nicaragua-----	553	19,350	556	19,445	489	17,148	437	19,619	3,952	142,489
Spain-----	-	-	-	-	6,895	319,958	-	-	62,923	2,565,709
Taiwan-----	-	-	8,706	355,819	9,300	345,029	7,410	347,808	56,596	2,290,901
All others-----	35,148	1,180,606	28,853	1,134,054	28,805	1,168,063	18,842	685,542	144,747	5,224,020
Total-----	442,469	\$16,135,089	492,478	\$18,974,497	380,827	\$14,568,113	380,743	\$14,823,901	3,377,453	\$126,099,361

Table 11 - Exports 1/ of ferrous scrap from the United States, by grades  
(U. S. Department of Commerce)

	July 1959		August 1959		September 1959		October 1959		January through October 1959 2/	
	Gross tons	Value	Gross tons	Value	Gross tons	Value	Gross tons	Value	Gross tons	Value
No. 1 heavy melting steel scrap-----	180,499	\$7,284,302	207,555	\$8,839,382	153,139	\$6,261,217	152,451	\$6,364,260	1,328,269	\$53,908,603
No. 2 heavy melting steel scrap-----	99,383	3,548,187	126,679	4,693,694	95,176	3,578,900	102,951	3,879,512	876,468	31,914,007
No. 1 baled sheet melting scrap-----	8,977	322,654	20,769	890,736	16,192	701,358	17,323	793,201	118,977	5,056,280
No. 2 baled sheet melting scrap-----	85,412	2,167,650	81,288	2,094,772	69,047	1,829,196	55,341	1,604,118	553,448	14,624,096
Borings, shoveling, & turnings-----	3,677	102,657	10,592	287,557	3,437	95,872	5,385	145,240	55,615	1,471,800
Iron scrap-----	32,762	1,082,421	29,918	1,170,619	27,732	1,148,252	25,372	974,437	299,513	11,654,720
Rerolling mat 1-----	11,821	776,651	2,159	138,190	1,203	78,775	3,928	295,902	30,164	2,100,175
All other scrap 3-----	19,938	850,567	13,518	859,547	14,901	874,543	17,992	767,231	114,999	5,369,680
Total-----	442,469	\$16,135,089	492,478	\$18,974,497	380,827	\$14,568,113	380,743	\$14,823,901	3,377,453	\$126,099,361

1/ Preliminary data subject to revisions. Value may differ widely because of variations in quality, classes, and grade combinations.

2/ Year-to-date data revised.

3/ Includes tin plate and terne plate scrap.