



MINERAL INDUSTRY SURVEYS

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



Rogers C. B. Morton, Secretary

Thomas V. Falkie, Director

For information call D. H. Desy
Telephone: 703-557-0622

Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN APRIL 1974

Returns from 96% of reporting consumers indicated that consumption of iron and steel scrap in April on a daily average basis was 1.2% above that in March, according to the Bureau of Mines, U.S. Department of the Interior. Compared with March data, daily average production and net receipts were down 0.9% and up 10.7%, respectively, and stocks at the end of the month were up 6%.

Exports of ferrous scrap during the month were 0.6% above those for March 1974 and 7.6% below those for April 1973. Japan was the largest importer of U.S. scrap, taking 49.3% of the total exported in April 1974. The next largest importers were Mexico and Canada, which received 11.1% and 10.4%, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh and Philadelphia) at the end of April was \$116 per gross ton, up 146% from the April 1973 price of \$47.17.

Pig iron production and consumption on a daily average basis during the month were up 0.6% and 1.3%, respectively, from those of the previous month. Stocks of pig iron decreased 1.6% during April compared with those at the end of March 1974.

Final 1973 statistics on iron and steel scrap and pig iron are given in tables 12 through 14 of this release.

Table 1. - U.S. receipts, production, consumption, shipments, and stocks of iron and steel scrap and pig iron, by type of manufacturer (Short tons)

Item	April 1974 (preliminary) 1/				Final total for month of March 1974 4/	Total year through April 1974 5/
	Mfrs. of pig iron and steel ingots and castings 2/	Mfrs. of steel castings 3/	Iron foundries and miscellaneous users	Total for month of April 1974		
SCRAP:						
Receipts from dealers and other sources-----	3,105,356	186,029	947,527	4,238,912	4,019,260	15,040,632
Receipts from other own company plants-----	499,000	7,403	105,685	612,088	604,481	2,276,637
Production recirculating scrap-----	3,786,986	87,905	447,231	4,322,122	4,525,335	17,320,487
Production obsolete scrap-----	198,006	1,750	67,230	266,986	259,166	1,052,416
Consumption by grade:						
Carbon steel-						
Low-phosphorous plate and punchings-----	63,420	65,158	57,269	185,847	212,335	801,740
Cut-structural and plate-----	52,454	21,780	137,329	211,563	229,800	857,960
No. 1 heavy melting steel-----	2,470,186	20,529	36,308	2,527,023	2,520,899	9,659,848
No. 2 heavy melting steel-----	348,110	2,243	5,790	356,143	365,782	1,371,447
No. 1 and electric furnace bundles-----	727,840	5,455	36,598	769,893	789,778	3,348,137
No. 2 and all other bundles-----	317,399	1,649	60,864	379,912	392,585	1,474,151
Electric furnace 1 foot and under (not bundles)-----	21,470	6,019	24,366	51,855	43,054	151,460
Railroad rails-----	6,489	775	7,716	14,980	24,031	80,359
Machinery and cupola cast 6/-----	--	--	--	--	--	--
Turnings and borings-----	175,064	9,410	54,075	238,549	240,578	934,825
Slag scrap (Fe content 70%)-----	343,499	613	2,757	346,869	359,247	1,347,066
Shredded or fragmented-----	161,773	5,273	73,585	240,631	230,245	896,792
All other carbon steel scrap-----	1,225,602	76,214	155,321	1,457,137	1,523,342	5,861,688
Stainless steel scrap-----	97,788	2,356	3,417	103,561	109,224	392,524
Alloy steel (except stainless)-----	185,575	13,693	15,861	215,129	233,845	846,819
Ingot mold scrap-----	292,067	485	17,906	310,458	326,962	1,156,196
Cast iron borings-----	146,416	5,462	153,346	305,224	343,534	1,393,042
Motor blocks-----	157	1,616	83,678	85,451	83,484	328,942
Other iron scrap-----	116,757	17,750	334,108	468,615	400,823	1,595,629
Other mixed scrap-----	35,678	5,368	215,361	256,407	273,555	1,046,528
Consumption total-----	6,787,744	261,848	1,475,655	8,525,247	8,703,103	33,545,153
Shipments-----	476,940	1,972	31,675	510,587	571,844	1,994,329
Stocks end of month-----	5,934,818	228,390	1,026,813	7,190,021	6,781,720	--
FIG IRON:						
Receipts-----	521,442	5,286	302,633	829,361	813,349	3,210,316
Production-----	8,140,248	--	--	8,140,248	8,358,678	32,838,341
Consumption-----	8,010,752	4,023	284,516	8,299,291	8,467,066	33,265,165
Shipments-----	771,896	--	254	772,150	800,799	3,113,122
Stocks end of month-----	739,645	8,380	228,922	976,947	992,862	--

1/ Based on 96% return of reporting consumers.

2/ Includes only those manufacturers of steel castings that also produce ingots.

3/ Excludes companies that produce both steel ingots and castings.

4/ Based on 97% return from reporting consumers.

5/ Cumulative totals may not agree with sum of monthly reports because of addition of reports from late respondents.

6/ Included in "Other mixed scrap."

Table 2. - Manufacturers of pig iron and steel ingots and castings 1/ - receipts, production, consumption, shipments, and stocks of pig iron and iron and steel scrap, by grade, April 1974 (preliminary) 2/

(Short tons)

Item	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (includes recirculating scrap)	Shipments of scrap	Ending stocks
	From brokers, dealers and other outside sources	From other company plants	Recirculating scrap resulting from current operations	Obsolete scrap (includes ingot molds and scrap from old equipment, obsolete buildings, etc.)			
SCRAP:							
Carbon steel -							
Low-phosphorous plate and punchings---	60,092	3,231	1,847	148	63,420	--	72,162
Cut-structural and plate-----	37,860	927	18,281	530	52,454	378	29,449
No. 1 heavy melting steel-----	696,384	213,478	1,756,380	17,987	2,470,186	190,206	1,716,668
No. 2 heavy melting steel-----	326,256	11,287	102,807	391	348,110	14,074	392,177
No. 1 and electric furnace bundles---	587,701	39,713	220,369	2,435	727,840	5,382	742,132
No. 2 and all other bundles-----	325,949	19,572	36,226	--	317,399	4,947	367,813
Electric furnace 1 foot and under (not bundles)-----	15,647	576	8,564	--	21,470	--	31,982
Railroad rails-----	9,382	--	--	--	6,489	--	14,307
Machinery and cupola cast 3/------	--	--	--	--	--	--	--
Turnings and borings-----	164,252	9,035	26,131	541	175,064	7,644	130,385
Slag scrap (Fe content 70%)-----	159,019	6,179	191,893	--	343,499	10,404	269,364
Shredded or fragmented-----	147,538	18,973	--	--	161,773	267	80,152
All other carbon steel scrap-----	379,944	22,793	924,206	4,690	1,225,602	93,669	604,429
Stainless steel scrap-----	41,092	6,066	62,750	43	97,788	5,744	133,886
Alloy steel (except stainless)-----	15,461	16,684	172,499	1,118	185,575	10,278	199,168
Ingot mold scrap-----	23,733	54,268	91,652	155,888	292,067	57,669	646,639
Cast iron borings-----	66,094	44,144	76,668	9,832	146,416	29,220	130,011
Motor blocks-----	275	--	--	--	157	--	215
Other iron scrap-----	32,061	21,067	87,102	4,402	116,757	44,025	360,171
Other mixed scrap-----	16,616	11,007	9,611	1	35,678	3,033	13,708
Total scrap-----	3,105,356	499,000	3,786,986	198,006	6,787,744	476,940	5,934,818
	Receipts		Production		Consumption	Shipments	Stocks
PIG IRON-----	521,442		8,140,248		8,010,752	771,896	739,645

1/ Includes only those manufacturers of steel castings that also produce ingots.
 2/ Based on 100% return of reporting consumers.
 3/ Included in "Other mixed scrap."

Table 3. - Manufacturers of steel castings 1/ - receipts, production, consumption, shipments, and stocks of pig iron and iron and steel scrap, by grade, April 1974 (preliminary) 2/

(Short tons)

Item	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (includes re-circulating scrap)	Shipments of scrap	Ending stocks
	From brokers, dealers, and outside sources	From other own company plants	Recirculating scrap resulting from current operations	Obsolete scrap (includes ingot molds and scrap from old equipment, obsolete buildings, etc.)			
SCRAP:							
Carbon steel -							
Low-phosphorous plate and punchings--	59,897	539	14,849	249	65,158	260	55,458
Cut-structural and plate-----	15,683	2,104	3,608	--	21,780	--	14,363
No. 1 heavy melting steel-----	14,711	2,291	4,523	--	20,529	--	24,518
No. 2 heavy melting steel-----	3,124	192	442	--	2,243	--	3,248
No. 1 and electric furnace bundles--	3,696	--	620	--	5,455	--	1,443
No. 2 and all other bundles-----	1,874	--	--	--	1,649	--	1,611
Electric furnace 1 foot and under (not bundles)-----	3,595	--	2,357	--	6,019	--	2,484
Railroad rails-----	1,308	--	--	--	775	--	1,830
Machinery and cupola cast 3/-----	--	--	--	--	--	--	--
Turnings and borings-----	9,057	26	1,958	--	9,410	210	3,828
Slag scrap (Fe content 70%)-----	--	--	587	--	613	--	70
Shredded or fragmented-----	7,071	--	--	--	5,273	--	3,627
All other carbon steel scrap-----	42,293	849	35,109	443	76,214	206	66,722
Stainless steel scrap-----	1,652	247	663	--	2,356	143	2,159
Alloy steel (except stainless)-----	6,337	1,117	8,472	27	13,693	1,067	15,467
Ingot mold scrap-----	423	--	--	--	485	--	2,090
Cast iron borings-----	3,221	--	2,158	--	5,462	7	2,456
Motor blocks-----	1,879	--	--	--	1,616	--	3,878
Other iron scrap-----	7,229	38	10,613	227	17,750	79	20,106
Other mixed scrap-----	2,979	--	1,946	804	5,368	--	3,032
Total scrap-----	186,029	7,403	87,905	1,750	261,848	1,972	228,390
PIG IRON-----	5,286		--		4,023	--	8,380

1/ Excludes companies that produce both steel ingots and castings.

2/ Based on 96% return of reporting consumers.

3/ Included in "Other mixed scrap."

Table 4. - Iron foundries and miscellaneous users - receipts, production, consumption, shipments,
and stocks of pig iron and iron and steel scrap, by grade, April 1974 (preliminary) 1/
(Short tons)

Item	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (includes recirculating scrap)	Shipments of scrap	Ending stocks
	From brokers, dealers and other outside sources	From other own company plants	Recirculating scrap resulting from current operations	Obsolete scrap (includes ingot molds and scrap from old equipment, obsolete buildings, etc.)			
SCRAP:							
Carbon steel -							
Low-phosphorous plate and punchings--	50,084	9,839	2,209	125	57,269	577	40,658
Cut-structural and plate-----	116,151	11,677	15,990	120	137,329	1,442	85,381
No. 1 heavy melting steel-----	21,701	4,709	5,818	--	36,308	1,597	48,556
No. 2 heavy melting steel-----	2,893	256	3,343	91	5,790	86	7,220
No. 1 and electric furnace bundles--	20,871	9,898	3,940	52	36,598	--	16,033
No. 2 and all other bundles-----	49,339	5,575	--	283	60,864	18	50,512
Electric furnace 1 foot and under (not bundles)-----	20,589	9,191	--	--	24,366	--	15,018
Railroad rails-----	7,595	--	1,572	--	7,716	--	19,286
Machinery and cupola cast <u>2/</u> -----	--	--	--	--	--	--	--
Turnings and borings-----	51,567	10,438	4,681	8	54,075	4,658	69,302
Slag scrap (Fe content 70%)-----	2,718	--	45	--	2,757	522	3,941
Shredded or fragmented-----	78,200	572	1,008	--	73,585	160	49,954
All other carbon steel scrap-----	162,040	6,268	10,859	268	155,321	1,920	171,083
Stainless steel scrap-----	6,675	--	504	7	3,417	15	16,242
Alloy steel (except stainless)-----	10,240	743	336	117	15,861	125	10,179
Ingot mold scrap-----	16,725	181	3,528	384	17,906	949	22,427
Cast iron borings-----	88,260	24,379	53,116	1,488	153,346	7,850	84,183
Motor blocks-----	56,312	1,235	34,429	--	83,678	203	47,823
Other iron scrap-----	96,176	8,564	234,169	3,853	334,108	10,300	174,835
Other mixed scrap-----	89,391	2,160	71,684	60,434	215,361	1,253	94,180
Total scrap-----	947,527	105,685	447,231	67,230	1,475,655	31,675	1,026,813
Receipts		Production		Consumption		Shipments	
302,633		--		284,516		254	
PIG IRON-----						228,922	

1/ Based on 95% return of reporting consumers.

2/ Included in "Other mixed scrap."

Table 5. - Consumption of iron and steel scrap and pig iron in the United States in April 1974 (preliminary),
by type of consumer and type of furnace or other use

(Short tons)

Type of furnace or other use	Manufacturers of pig iron and steel ingots and castings 1/		Manufacturers of steel castings 2/		Iron foundries and miscellaneous users		Total all types	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Blast furnace 3/-	351,014	--	--	--	--	--	351,014	--
Basic oxygen process 4/-	2,217,280	5,705,117	--	--	--	--	2,217,280	5,705,117
Open-hearth furnace	1,633,927	1,993,189	14,762	538	--	--	1,648,689	1,993,727
Electric furnace	2,510,935	82,205	222,960	2,229	273,237	13,417	3,007,132	97,851
Cupola furnace	18,630	22,050	20,316	511	1,078,466	137,891	1,117,412	160,452
Other (including air furnace) 5/-	55,958	44,547	3,810	745	123,951	6,730	183,719	52,022
Direct castings 6/-	--	163,644	--	--	--	126,478	--	290,122
Total	6,787,744	8,010,752	261,848	4,023	1,475,654	284,516	8,525,246	8,299,291

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

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

3/ Includes consumption in all blast furnaces producing pig iron.

4/ Includes scrap and pig iron processed in metallurgical blast cupolas and used in oxygen converters.

5/ Includes vacuum melting furnaces and miscellaneous uses.

6/ Includes ingot molds and stools.

Table 6. - Manufacturers of pig iron and steel ingots and castings 1/ - receipts, production, consumption, shipments, and stocks of pig iron and iron and steel scrap, by grade, March 1974 (final) 2/

(Short tons)

Item	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (includes re-circulating scrap)	Shipments of scrap	Ending stocks
	From brokers, dealers and other outside sources	From other own company plants	Recirculating scrap resulting from current operations	Obsolete scrap (includes ingot molds and scrap from old equipment, obsolete buildings, etc.)			
SCRAP:							
Carbon steel -							
Low-phosphorous plate and punchings-----	68,473	3,701	1,753	--	69,130	--	70,209
Cut-structural and plate-----	27,434	2,609	22,867	250	56,274	22	24,683
No. 1 heavy melting steel-----	689,844	188,903	1,802,728	24,030	2,460,381	193,139	1,684,821
No. 2 heavy melting steel-----	275,400	12,725	98,105	470	355,648	12,564	313,713
No. 1 and electric furnace bundles-----	535,458	47,394	244,532	1,347	748,720	9,787	622,909
No. 2 and all other bundles-----	316,919	16,874	39,358	--	332,535	7,852	311,505
Electric furnace 1 foot and under (not bundles)-----	10,591	408	8,489	--	31,458	--	28,665
Railroad rails-----	13,782	70	--	--	15,236	--	11,414
Machinery and cupola cast 3/4-----	--	--	--	--	--	--	--
Turnings and borings-----	137,846	8,291	25,031	510	181,862	10,251	111,856
Slag scrap (Fe content 70%)-----	150,540	13,755	202,101	--	356,949	6,369	267,789
Shredded or fragmented-----	139,202	18,312	--	--	155,671	--	78,121
All other carbon steel scrap-----	309,720	29,300	1,036,257	7,452	1,283,313	112,132	588,123
Stainless steel scrap-----	37,966	3,542	66,628	97	103,741	4,288	127,911
Alloy steel (except stainless)-----	17,286	15,383	180,128	580	205,173	10,169	191,977
Ingot mold scrap-----	37,783	38,758	105,277	141,331	309,988	74,332	669,909
Cast iron borings-----	53,223	48,008	78,771	10,643	140,829	28,239	108,937
Motor blocks-----	207	--	--	--	328	--	48
Other iron scrap-----	35,616	30,560	84,098	4,755	122,943	53,828	376,251
Other mixed scrap-----	32,089	5,799	6,089	--	42,421	3,288	15,165
Total scrap-----	2,889,379	484,392	4,002,212	191,465	6,972,600	526,260	5,604,006
Receipts		Production		Consumption		Stocks	
535,354		8,358,678		8,166,848		775,120	
PIG IRON-----							

1/ Includes only those manufacturers of steel castings that also produce ingots.

2/ Based on 100% return of reporting consumers.

3/ Included in "Other mixed scrap."

Table 7. - Manufacturers of steel castings, 1/ - receipts, production, consumption, shipments, and stocks of pig iron and iron and steel scrap, by grade, March 1974 (final) 2/ (Short tons)

Item	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (includes re-circulating scrap)	Shipments of scrap	Ending stocks
	From brokers, dealers and other outside sources	From other own company plants	Recirculating scrap resulting from current operations	Obsolete scrap (includes ingot molds and scrap from old equipment, obsolete buildings, etc.)			
SCRAP:							
Carbon steel -							
Low-phosphorous plate and punchings-----	56,408	256	15,340	130	69,053	553	44,843
Cut-structural and plate-----	19,265	2,545	3,023	--	24,032	60	14,716
No. 1 heavy melting steel-----	14,271	2,524	5,100	--	23,009	--	23,981
No. 2 heavy melting steel-----	3,609	156	1,032	--	3,754	--	1,733
No. 1 and electric furnace bundles-----	5,625	--	564	--	5,959	--	2,582
No. 2 and all other bundles-----	1,351	--	--	--	1,392	--	1,386
Electric furnace 1 foot and under (not bundles)---	3,806	--	2,357	--	5,971	--	2,551
Railroad rails-----	1,533	--	--	--	992	--	1,297
Machinery and cupola cast 3/-----	--	--	--	--	--	--	--
Turnings and borings-----	8,464	18	1,962	--	9,214	433	2,407
Slag scrap (Fe content 70%)-----	--	--	606	--	624	--	96
Shredded or fragmented-----	7,153	--	--	--	6,910	--	1,829
All other carbon steel scrap-----	49,105	826	33,891	568	75,991	116	64,783
Stainless steel scrap-----	1,338	269	766	--	2,322	184	2,147
Alloy steel (except stainless)-----	6,452	1,190	9,547	--	14,992	1,266	14,385
Ingot mold scrap-----	1,012	--	--	--	554	--	2,152
Cast iron borings-----	3,431	--	2,538	--	5,357	32	2,546
Motor blocks-----	1,153	--	--	--	2,352	6	3,647
Other iron scrap-----	7,734	84	10,463	59	18,766	401	19,828
Other mixed scrap-----	2,789	--	2,166	460	5,741	30	2,671
Total scrap-----	194,499	7,868	89,355	1,217	276,985	3,081	209,580
	Receipts		Production		Consumption	Shipments	Stocks
PIG IRON-----	5,386		--		4,822	2	7,104

1/ Excludes companies that produce both steel ingots and castings.

2/ Based on 97% return of reporting consumers.

3/ Included in "Other mixed scrap."

Table 8. - Iron foundries and miscellaneous users - receipts, production, consumption, shipments, and stocks of pig iron and iron and steel scrap, by grade, March 1974 (final) 1/ (Short tons)

Item	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (includes re-circulating scrap)	Shipments of scrap	Ending stocks
	From brokers, dealers and other outside sources	From other company plants	Recirculating scrap resulting from current operations	Obsolete scrap (includes ingot molds and scrap from old equipment, obsolete buildings, etc.)			
SCRAP:							
Carbon steel -							
Low-phosphorous plate and punchings-----	55,023	9,876	8,071	126	74,152	2,846	41,614
Cut-structural and plate-----	112,055	20,748	19,750	180	149,494	1,303	82,082
No. 1 heavy melting steel-----	31,394	3,973	5,179	--	37,509	1,563	54,338
No. 2 heavy melting steel-----	3,094	248	3,770	84	6,380	88	6,507
No. 1 and electric furnace bundles-----	21,701	13,640	2,696	52	35,099	--	17,570
No. 2 and all other bundles-----	45,505	7,763	--	1,330	58,658	52	55,197
Electric furnace 1 foot and under (not bundles)---	5,743	--	--	--	5,625	--	4,237
Railroad rails-----	7,171	--	1,572	--	7,803	--	17,883
Machinery and cupola cast 2/-----	--	--	--	--	--	--	--
Turnings and borings-----	55,342	9,764	5,493	10	49,502	5,353	61,989
Slag scrap (Fe content 70%)-----	1,905	--	65	--	1,674	--	4,325
Shredded or fragmented-----	74,672	--	252	--	67,664	572	44,314
All other carbon steel scrap-----	161,620	4,987	13,608	--	164,038	3,257	149,789
Stainless steel scrap-----	6,890	6	431	4	3,161	4	12,487
Alloy steel (except stainless)-----	11,334	32	257	39	13,680	30	14,750
Ingot mold scrap-----	17,330	--	379	669	16,420	506	20,746
Cast iron borings-----	75,135	22,252	108,547	2,024	197,348	7,201	93,141
Motor blocks-----	53,437	1,436	29,215	--	80,804	146	39,397
Other iron scrap-----	92,860	8,841	169,486	1,605	259,114	16,263	160,036
Other mixed scrap-----	103,171	8,655	64,997	60,361	225,393	3,319	87,732
Total scrap-----	935,382	112,221	433,768	66,484	1,453,518	42,503	968,134
Receipts		Production		Consumption		Shipments	Stocks
272,609		--		295,396		1,248	210,638
PIG IRON-----							

1/ Based on 96% return of reporting consumers.

2/ Included in "Other mixed scrap."

Table 9. - Consumption of iron and steel scrap and pig iron in the United States in March 1974 (final)
by type of consumer and type of furnace or other use

(Short tons)

Type of furnace or other use	Manufacturers of pig iron and steel ingots and castings 1/		Manufacturers of steel castings 2/		Iron foundries and miscellaneous users		Total all types	
	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron	Scrap	Pig iron
Blast furnace 3/-	354,617	--	--	--	--	--	354,617	--
Basic oxygen process 4/-	2,274,142	5,840,519	--	--	--	--	2,274,142	5,840,519
Open-hearth furnace	1,687,218	2,014,071	14,298	1,003	--	--	1,701,516	2,015,074
Electric furnace	2,560,016	97,187	235,959	2,460	288,536	13,527	3,084,511	113,174
Cupola furnace	46,329	20,745	23,111	554	1,076,751	139,720	1,146,191	161,019
Other (including air furnace) 5/-	50,278	37,712	3,617	805	88,231	7,640	142,126	46,157
Direct castings 6/-	--	156,614	--	--	--	134,509	--	291,123
Total	6,972,600	8,166,848	276,985	4,822	1,453,518	295,396	8,703,103	8,467,066

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

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

3/ Includes consumption in all blast furnaces producing pig iron.

4/ Includes scrap and pig iron processed in metallurgical blast cupolas and used in oxygen converters.

5/ Includes vacuum melting furnaces and miscellaneous uses.

6/ Includes ingot molds and stools.

FOREIGN TRADE

Exports of iron and steel scrap totaled 691,828 short tons in April compared with 687,614 tons in March. Exports of pig iron during April totaled 31,452 tons and 12,808 tons in March. Imports of scrap totaled 13,954 short tons in April compared with 20,034 tons in March. Of the scrap imported during April, 13,832 short tons came from Canada and 122 tons from other sources. Imports of pig iron totaled 21,521 short tons in April and 14,144 tons in March. In addition to the foregoing imports of pig iron during April there were 501 tons of sponge iron, valued at \$108,654 imported, of which 230 tons came from Canada, and 271 tons from other countries.

Table 10. - U.S. exports of iron and steel scrap 1/, by country

Country	April 1974		Year to date	
	Short tons	Value	Short tons	Value
Argentina-----	9,263	\$970,384	53,522	\$3,479,711
Canada-----	72,243	3,762,170	268,728	12,109,711
China, People's Rep. of---	8,702	320,777	189,348	12,407,178
Greece-----	813	70,406	42,530	3,703,222
Italy-----	45,569	4,661,176	174,913	15,297,009
Japan-----	341,051	27,106,402	967,874	75,179,784
Korea, Republic of-----	49,617	6,708,662	361,564	34,528,837
Mexico-----	76,589	4,086,090	281,555	19,095,613
Spain-----	70,744	6,647,864	330,448	23,615,545
Taiwan-----	1,220	86,845	322,375	26,537,772
Thailand-----	-	-	19,935	1,503,374
Other Countries-----	16,017	1,868,778	55,010	5,891,229
Total-----	691,828	56,289,554	3,067,802	233,348,985

1/ Excludes ships, boats, and other vessels for breaking up (for scrapping) which was included in 1965-1970 figures.

Table 11. - U.S. exports of iron and steel scrap, by grade

Grade of Scrap	April 1974		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	197,001	\$16,531,698	985,623	\$76,914,999
No. 2 heavy melting steel scrap-----	76,949	6,105,655	325,939	24,280,711
No. 1 bundles-----	968	38,641	25,412	1,758,740
No. 2 bundles-----	144,789	8,824,568	516,248	30,913,993
Borings, shovelings and turnings-----	33,916	1,331,452	173,823	9,110,383
Stainless steel-----	2,306	1,018,279	11,851	4,507,282
Shredded steel scrap-----	160,453	16,479,074	698,146	61,779,970
Iron scrap (excluding borings and shovelings)	40,516	2,602,232	169,594	11,603,489
All other steel scrap <u>1/</u>	34,930	3,357,955	161,166	12,479,418
Total-----	691,828	56,289,554	3,067,802	233,348,985
Ships, boats, and other vessels for breaking up (for scrapping)-----	45,767	5,333,102	102,127	10,753,122
Total-----	737,595	61,622,656	3,169,929	244,102,107

1/ Includes tinplate and terneplate.

Table 12. - Consumer receipts, production, consumption, shipments and stocks
of iron and steel scrap and pig iron in 1973, by grade
(Thousand short tons)

Grades of scrap	Receipts	Production	Consumption	Shipments	Stocks Dec. 31
MANUFACTURERS OF PIG IRON AND STEEL INGOTS AND CASTINGS					
Carbon steel:					
Low-phosphorous plate and punchings-----	531	11	532	2	58
Cut-structural and plate-----	660	103	782	3	48
No. 1 heavy melting steel-----	10,146	21,904	30,375	2,486	1,881
No. 2 heavy melting steel-----	2,644	1,412	4,008	93	333
No. 1 and electric furnace bundles-----	6,448	814	7,544	53	566
No. 2 and all other bundles-----	3,043	500	3,549	76	292
Turnings and borings-----	1,826	300	1,992	155	154
Slag scrap (Fe content)-----	1,563	2,346	3,658	124	240
Shredded or fragmentized-----	1,789	--	1,778	1	70
All other carbon steel scrap-----	3,744	14,957	17,491	1,220	859
Stainless steel-----	429	670	1,036	46	119
Alloy steel (except stainless)-----	538	1,939	2,399	79	189
Cast iron (includes borings)-----	2,577	5,151	6,364	1,346	1,120
Other grades of scrap-----	717	299	959	49	44
U.S. total-----	36,655	50,406	82,467	5,733	5,973
PIG IRON-----	4,768	100,542	96,604	8,327	955
MANUFACTURERS OF STEEL CASTINGS					
Carbon steel:					
Low-phosphorous plate and punchings-----	621	172	800	1	47
Cut-structural and plate-----	230	13	236	5	12
No. 1 heavy melting steel-----	146	81	226	1	19
No. 2 heavy melting steel-----	13	--	13	--	--
No. 1 and electric furnace bundles-----	71	--	73	--	4
No. 2 and all other bundles-----	19	--	18	--	1
Turnings and borings-----	73	7	80	3	5
Slag scrap (Fe content)-----	1	3	3	--	--
Shredded or fragmentized-----	76	--	77	--	2
All other carbon steel scrap-----	586	306	879	11	70
Stainless steel-----	15	12	25	2	2
Alloy steel (except stainless)-----	81	69	137	15	17
Cast iron (includes borings)-----	166	113	285	3	30
Other grades of scrap-----	47	52	97	2	3
U.S. total-----	2,145	828	2,949	43	212
PIG IRON-----	66	--	64	1	8

Table 12. - Consumer receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron in 1973, by grade--Continued
(Thousand short tons)

Grades of scrap	Receipts	Production	Consumption	Shipments	Stocks Dec. 31
IRON FOUNDRIES AND MISCELLANEOUS USERS					
Carbon steel:					
Low-phosphorous plate and punchings-----	1,222	57	1,247	14	70
Cut-structural and plate-----	1,092	134	1,202	10	79
No. 1 heavy melting steel-----	455	79	485	29	32
No. 2 heavy melting steel-----	175	4	175	2	18
No. 1 and electric furnace bundles-----	435	1	423	--	28
No. 2 and all other bundles-----	623	14	607	--	58
Turnings and borings-----	724	50	722	45	57
Slag scrap (Fe content)-----	6	6	13	1	--
Shredded or fragmentized-----	567	--	562	1	30
All other carbon steel scrap-----	1,858	136	2,035	29	131
Stainless steel-----	15	--	13	--	3
Alloy steel (except stainless)-----	116	4	117	1	19
Cast iron (includes borings)-----	4,408	5,649	9,725	289	355
Other grades of scrap-----	440	433	846	28	27
U.S. total <u>1</u> /-----	12,136	6,567	18,173	449	907
PIG IRON-----	3,236	--	3,148	112	252
TOTAL--ALL TYPES OF MANUFACTURERS					
Carbon steel:					
Low-phosphorous plate and punchings-----	2,374	240	2,579	17	175
Cut-structural and plate-----	1,982	250	2,220	18	139
No. 1 heavy melting steel-----	10,747	22,064	31,086	2,516	1,932
No. 2 heavy melting steel-----	2,832	1,416	4,196	95	351
No. 1 and electric furnace bundles-----	6,954	815	8,040	53	598
No. 2 and all other bundles-----	3,685	514	4,174	76	351
Turnings and borings-----	2,623	357	2,794	203	216
Slag scrap (Fe content)-----	1,570	2,355	3,674	125	240
Shredded or fragmentized-----	2,432	--	2,418	2	102
All other carbon steel scrap-----	6,188	15,399	20,405	1,260	1,060
Stainless steel-----	459	682	1,074	48	124
Alloy steel (except stainless)-----	735	2,012	2,653	95	225
Cast iron (includes borings)-----	7,151	10,913	16,374	1,638	1,505
Other grades of scrap-----	1,204	784	1,902	79	74
U.S. total-----	50,936	57,801	103,589	6,225	7,092
PIG IRON <u>2</u> /-----	8,070	100,542	99,816	8,440	1,215

1/ Data may not add to totals shown because of independent rounding.

2/ Includes all pig iron used in reporting establishments.