



MINERAL INDUSTRY SURVEYS

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



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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN MAY 1969

Consumption of both ferrous scrap and pig iron increased 2 percent over that for April, reflecting an increase in steel production, according to the Bureau of Mines, U.S. Department of the Interior. Receipts of purchased scrap and the monthend scrap inventory decreased 3 and 2 percent, respectively, while production of home scrap was essentially unchanged from the previous month.

Total volume of ferrous scrap exports for the year through May edged ahead of those for the same period in 1968. May exports of iron and steel scrap were 15 percent higher than those for April and largely recovered the losses incurred by the dock strike earlier in the year. Continued high levels of steel production in Europe and Japan accounted for the strong overseas demand for scrap.

Schwitzer Steel Products of California, Inc., a West Coast broker-dealer of ferrous and nonferrous scrap, announced the installation of a new automobile shredder at its Oakland, Calif., processing plant. The new mill will process about 250,000 cars per year and will take junk cars from as far away as Oregon on the north, Nevada on the east, and Fresno, Calif., on the south. Part of the shredded product will be sold to domestic ferrous foundries and steel mills, and the remainder will be exported to the Orient. Operation of the mill, which was manufactured by Hammermills, Inc., of Cedar Rapids, Iowa, brings to a total of three the number of scrap fragmentizers operating in the San Francisco Bay area. Proler Steel Corp. with Hugo Neu Corp. and Learner Co. began operation of a large automobile shredder in San Francisco in 1967, and M&T Chemicals began operation of a medium-size shredder in South Francisco in 1968.

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TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, May 1969
(Short tons)

	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscel- laneous users	Total	Total Year to date 3/
SCRAP:					
Receipts -----	2,824,149	185,118	769,367	3,778,634	18,533,199
Production -----	4,214,611	91,434	483,540	4,789,585	23,249,327
Consumption by grades:					
Carbon steel -					
Low phosphorous plate and punchings	39,477	75,435	71,462	186,374	920,315
Cut structural and plate -----	35,509	19,156	82,184	136,849	697,747
No. 1 heavy melting steel -----	2,332,922	25,549	26,168	2,384,639	11,444,324
No. 2 heavy melting steel -----	565,874	374	15,642	581,890	2,724,002
No. 1 and electric furnace bundles	592,844	7,554	37,824	638,222	3,290,779
No. 2 and all other bundles -----	310,811	2,812	43,883	357,506	1,803,525
Turnings and borings -----	188,014	7,772	50,815	246,601	1,182,185
Slag scrap (Fe content) -----	348,484	299	2,823	351,606	1,552,783
Shredded or fragmented -----	55,662	3,904	7,024	66,590	331,793
All other carbon steel scrap -----	1,321,868	72,178	143,562	1,537,608	7,416,183
Stainless steel -----	81,969	2,790	3,268	88,027	439,027
Alloy steel (except stainless) -----	269,943	13,648	13,610	297,201	1,425,941
Cast iron (include borings) -----	459,565	28,028	709,448	1,197,041	6,023,585
Other grades of scrap -----	53,125	12,832	41,219	107,176	432,364
Total consumption -----	6,656,067	272,331	1,248,932	8,177,330	39,684,553
Shipments -----	522,424	6,003	44,935	573,362	2,669,726
Stocks end of month -----	6,232,955	315,298	820,452	7,368,705	-
PIG IRON:					
Receipts -----	437,573	7,067	305,540	750,180	3,525,395
Production -----	8,307,223	-	-	8,307,223	38,866,166
Consumption -----	7,972,488	9,207	299,971	8,281,666	39,294,958
Shipments -----	749,563	78	221	749,862	3,420,179
Stocks end of month -----	1,591,866	19,095	252,667	1,863,628	-

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

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

3/ Year to date totals may not agree with a summation of prior monthly totals due to revisions after publication of monthly data.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, May 1969
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama -----	151,985	183,767	326,350	26,622	233,479	368,349
Arizona -----	W	W	W	W	W	W
Arkansas -----	W	W	W	-	W	-
California ----	136,397	112,367	269,458	8,940	250,485	203,111
Colorado -----	W	W	W	W	-	W
Connecticut ---	7,280	6,121	14,029	472	13,676	1,869
Delaware -----	W	W	W	W	W	W
Florida -----	W	W	W	-	W	W
Georgia -----	W	W	W	W	W	-
Illinois -----	322,548	407,022	762,279	42,630	883,124	628,322
Indiana -----	353,658	710,235	949,380	120,526	866,720	1,101,072
Iowa -----	36,644	14,704	54,115	254	32,677	2,877
Kansas -----	5,879	3,828	9,691	-	4,708	180
Kentucky -----	71,176	77,943	151,635	10,453	113,868	W
Louisiana -----	W	W	W	W	W	W
Maine -----	W	W	W	-	W	W
Maryland -----	62,869	250,939	295,287	29,124	118,305	W
Massachusetts -	4,480	5,633	9,850	201	4,698	2,439
Michigan -----	427,271	373,770	774,794	35,530	451,171	664,955
Minnesota -----	31,880	21,280	44,210	396	70,545	W
Mississippi ---	W	W	W	-	W	-
Missouri -----	79,810	25,136	95,464	633	182,809	1,689
Montana -----	W	W	W	W	W	W
Nebraska -----	W	W	W	W	W	W
Nevada -----	W	-	W	-	W	W
New Hampshire -	W	W	W	-	W	W
New Jersey ----	41,720	12,387	66,742	1,456	57,519	6,724
New York -----	106,890	209,983	344,055	4,768	342,389	523,712
North Carolina-	14,380	3,484	17,788	-	24,257	3,777
Ohio -----	731,205	818,075	1,403,139	118,740	1,057,273	1,390,103
Oklahoma -----	14,485	4,471	21,639	-	26,102	1,373
Oregon -----	4,494	4,379	18,854	746	19,153	W
Pennsylvania --	673,490	1,084,298	1,609,344	137,893	1,712,045	2,070,516
Rhode Island --	7,822	4,964	11,913	167	17,753	1,069
South Carolina-	1,982	2,491	4,174	-	1,391	W
Tennessee -----	22,998	17,001	37,807	1,234	13,366	9,781
Texas -----	158,211	133,939	287,934	15,239	250,450	10,279
Utah -----	12,264	81,730	90,331	85	228,489	164,721
Vermont -----	1,067	706	1,852	-	2,797	555
Virginia -----	21,440	16,378	39,846	609	22,458	W
Washington ----	42,785	11,966	49,062	776	78,242	W
West Virginia -	56,116	85,532	148,718	6,945	97,559	W
Wisconsin -----	45,739	47,328	82,574	7,942	37,108	14,547
Undistributed -	129,669	57,728	185,016	981	154,089	1,109,646
Total U.S. --	3,778,634	4,789,585	8,177,330	573,362	7,368,705	8,281,666

W Withheld to avoid disclosing individual company confidential data; included in Undistributed.

TABLE 3. - U.S. consumption of iron and steel scrap by grades, May 1968
(Short tons)

State	CARBON STEEL						Stainless & alloy steel	Cast iron (including borings)	Other grades of scrap including slag
	Low phos., cut struc- tural, and plate	No. 1 & 2 heavy melt- ing steel	No. 1-2 & all other bundles	Turnings & borings	Shredded or Fragmentized	All other carbon steel scrap			
Alabama -----	18,331	112,740	54,955	467	-	54,478	15,862	62,416	7,101
Arizona -----	W	-	14,295	-	-	W	W	W	W
Arkansas -----	-	-	-	-	-	W	-	-	-
California -----	5,768	45,526	28,666	3,842	9,125	97,946	777	46,586	30,212
Colorado -----	W	W	-	W	-	-	W	W	W
Connecticut -----	3,970	870	39	-	-	700	3,645	4,487	W
Delaware -----	W	W	W	W	W	W	W	W	-
Florida -----	W	W	W	-	-	W	-	W	-
Georgia -----	W	W	W	-	-	W	-	W	-
Illinois -----	41,636	227,351	133,038	17,544	7,109	202,087	18,964	108,886	5,664
Indiana -----	13,564	560,046	77,445	19,281	-	137,744	14,019	67,313	59,958
Iowa -----	6,586	8,138	4,744	14,202	186	3,442	170	12,173	4,474
Kansas -----	4,829	-	-	-	W	W	-	1,207	W
Kentucky -----	-	75,992	17,249	5,564	-	23,708	9,434	15,679	W
Louisiana -----	W	-	-	-	-	W	6,654	19,763	-
Maine -----	W	-	-	-	-	-	-	W	-
Maryland -----	3,887	W	37,783	W	-	W	-	-	34,685
Massachusetts -----	1,649	16	W	W	-	682	W	6,777	W
Michigan -----	23,449	41,605	143,009	16,878	W	287,531	11,020	214,306	41,922
Minnesota -----	1,301	19,596	W	W	-	2,598	W	9,611	W
Mississippi -----	-	-	W	-	W	W	-	-	-
Missouri -----	3,566	61,613	W	W	W	2,683	1,110	14,829	753
Montana -----	W	W	-	-	-	-	-	W	W
Nebraska -----	W	-	-	-	-	W	-	W	W
Nevada -----	W	-	-	-	-	-	-	-	-
New Hampshire -----	-	W	-	-	-	-	-	-	-
New Jersey -----	9,272	938	14,226	W	W	13,000	1,178	26,258	510
New York -----	6,401	163,400	24,075	7,631	481	46,049	13,825	53,433	28,760
North Carolina -----	W	-	W	-	-	W	-	9,274	-
Ohio -----	93,043	482,752	183,843	84,202	286	221,586	88,908	190,187	58,332
Oklahoma -----	-	W	W	-	W	-	-	W	W
Oregon -----	-	W	W	-	-	W	W	156	-
Pennsylvania -----	37,811	699,079	130,296	38,914	3,679	215,906	184,735	170,073	128,851
Rhode Island -----	-	W	W	-	-	1,717	W	4,821	W
South Carolina -----	W	-	-	75	-	W	-	3,432	-
Tennessee -----	6,958	W	W	-	-	W	-	22,402	5,942
Texas -----	8,831	94,996	26,137	22,524	W	72,256	4,030	42,834	8,576
Utah -----	W	W	W	W	-	W	W	W	-
Vermont -----	W	W	-	-	-	W	-	W	-
Virginia -----	6,295	W	W	-	W	6,267	W	21,001	-
Washington -----	1,834	20,780	W	-	W	1,069	893	6,550	W
West Virginia -----	W	12,158	W	-	W	W	148	4,205	W
Wisconsin -----	20,529	1,186	-	1,735	-	16,068	202	32,808	10,046
Undistributed -----	3,713	337,747	104,928	13,732	45,724	150,091	9,654	25,564	32,996
U.S. Total -----	323,223	2,966,529	995,728	246,601	66,580	1,537,608	385,228	1,197,041	458,782

W Withheld to avoid disclosing individual company confidential data; included in Undistributed.

FOREIGN TRADE

Exports of iron and steel scrap totaled 822,879 short tons in May compared with 712,585 tons in April. Exports of pig iron during May totaled 1,315 tons and 1,624 tons in April. Imports of scrap totaled 28,158 short tons in May compared with 36,381 tons in April. Of the scrap imported during May, 26,214 short tons came from Canada and 1,944 tons from other sources. Imports of pig iron totaled 29,107 short tons in May and 21,365 tons in April. In addition to the foregoing imports of pig iron during May there were 1,398 tons of sponge iron, valued at 173,267 imported, of which 571 tons came from Canada, 826 tons from Sweden and 1 ton from United Kingdom.

TABLE 4. - U.S. exports of iron and steel scrap, by countries

Country	May 1968		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	59,947	\$1,366,662	248,309	\$5,891,160
Hong Kong -----	157	39,450	185	55,549
Italy-----	127,805	4,183,766	240,914	7,216,745
Japan -----	375,242	9,469,127	1,155,648	30,627,021
Korea -----	53,196	1,941,903	245,469	8,116,717
Mexico -----	47,388	1,516,512	211,012	6,660,710
Spain -----	97,644	2,156,488	263,920	5,611,010
Sweden -----	40,670	2,478,162	63,524	6,685,348
Taiwan -----	2	730	27,801	987,502
United Kingdom -----	8,624	235,827	20,842	707,952
West Germany -----	2,250	369,119	3,076	577,480
Other Countries -----	9,954	1,092,282	79,882	3,752,421
Total -----	822,879	24,850,028	2,560,582	76,889,615

TABLE 5. - U.S. exports of iron and steel scrap, by grades

Grades of Scrap	May 1968		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-	273,474	\$7,784,284	995,493	\$29,506,100
No. 2 heavy melting steel scrap-	100,797	2,611,979	313,603	8,091,790
No. 1 bundles -----	48,603	1,313,906	96,040	2,570,292
No. 2 bundles -----	116,433	2,116,031	344,431	6,174,357
Borings, shovelings & turnings--	62,689	1,107,769	180,106	3,043,114
Iron scrap -----	39,690	1,223,847	151,077	4,494,771
Stainless steel scrap -----	12,749	3,836,670	35,233	9,241,258
All other scrap 1/ -----	168,444	4,855,542	444,599	13,767,933
Total -----	822,879	24,850,028	2,560,582	76,889,615

1/ Includes tin plate and terne plate.