



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN JUNE 1969

Following a 4-percent decline in steel production, consumption of ferrous scrap and pig iron decreased 4 and 5 percent, respectively, from that for May, according to the Bureau of Mines, U.S. Department of the Interior. Production of home scrap and receipts of purchased scrap dropped 3 and 4 percent, respectively, while pig iron production decreased 5 percent. The monthend inventory of iron and steel scrap declined somewhat and equaled a 28-day supply at the average daily consumption rate of 261,175 tons.

June scrap exports of 905,818 tons were 10 percent higher than those for May and amounted to the highest monthly total since June 1961, when 1.2 million tons were shipped abroad. Total export volume for the first half of the year reached about 3.5 million tons, more than 700,000 tons higher than the export volume for the same period in 1968. Exports to Japan increased 18 percent and accounted for 46 percent of the midyear total. Exports to Korea, Spain, and the United Kingdom increased sharply, while exports to Taiwan and West Germany decreased substantially.

Domestic iron and steel scrap purchased by U.S. and foreign consumers (receipts plus exports) totaled 7.1 million tons by midyear, an increase of 15 percent over that for the same period of 1968.

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, June 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 -----	2,721,515	164,227	745,862	3,631,604	22,164,803
Production -----	4,105,479	90,865	464,348	4,660,692	27,910,020
Consumption by grades:					
Carbon steel-					
Low phosphorus plate and punchings	39,399	66,949	62,871	169,219	1,089,534
Cut structural and plate -----	28,651	18,445	75,000	122,096	819,843
No. 1 heavy melting steel -----	2,220,862	24,086	22,377	2,267,325	13,711,649
No. 2 heavy melting steel -----	522,780	257	8,879	531,916	3,255,918
No. 1 and electric furnace bundles	568,137	7,175	29,348	604,660	3,895,439
No. 2 and all other bundles -----	298,220	3,344	45,937	347,501	2,151,026
Turnings and borings -----	207,225	7,160	46,029	260,414	1,442,599
Slag scrap (Fe content) -----	327,609	265	2,385	330,259	1,883,042
Shredded or fragmented -----	59,453	3,766	7,442	70,661	402,454
All other carbon steel scrap -----	1,287,612	71,104	137,510	1,496,226	8,912,409
Stainless steel -----	81,506	3,019	3,225	87,750	526,777
Alloy steel (except stainless) -----	258,029	11,068	13,063	282,160	1,708,101
Cast iron (include borings) -----	481,757	30,032	659,883	1,171,672	7,195,257
Other grades of scrap -----	40,721	13,550	39,119	93,390	525,754
Total consumption -----	6,421,961	260,220	1,153,068	7,835,249	47,519,802
Shipments -----	533,048	5,442	56,548	595,038	3,264,764
Stocks end of month -----	6,096,951	302,277	816,972	7,216,200	----
PIG IRON:					
Receipts -----	473,053	7,394	284,254	764,701	4,290,096
Production -----	7,921,558	-	-	7,921,558	46,787,724
Consumption -----	7,589,952	8,859	297,214	7,896,025	47,190,983
Shipments -----	719,550	76	38	719,664	4,139,843
Stocks end of month -----	1,676,918	17,535	237,298	1,931,751	----

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,
June 1969
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama -----	149,731	172,267	295,871	26,994	232,612	366,001
Arizona -----	W	W	W	W	W	W
Arkansas -----	W	W	W	-	W	-
California ---	125,956	123,522	259,665	21,298	219,108	187,804
Colorado -----	W	W	W	W	-	W
Connecticut --	9,038	5,152	13,235	439	14,192	1,761
Delaware -----	W	W	W	W	W	W
Florida -----	W	W	W	-	W	W
Georgia -----	W	W	W	W	W	-
Illinois -----	358,177	419,326	739,688	31,294	879,263	599,910
Indiana -----	336,065	708,779	972,504	143,414	795,692	1,095,277
Iowa -----	41,026	17,286	40,119	17,534	31,658	3,077
Kansas -----	5,316	3,483	9,215	-	4,292	174
Kentucky -----	68,460	60,807	130,269	8,424	104,442	W
Louisiana ----	W	W	W	W	W	W
Maine -----	W	W	W	-	W	W
Maryland -----	77,789	237,032	293,371	6,590	133,162	W
Massachusetts-	4,885	5,007	9,420	168	4,901	2,437
Michigan -----	414,633	358,088	733,886	34,101	456,049	657,279
Minnesota ----	22,277	22,286	41,075	180	73,859	W
Mississippi --	W	W	W	-	W	-
Missouri -----	62,656	23,830	89,022	564	177,296	1,868
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 ---	55,631	12,518	63,514	1,211	60,872	7,581
New York -----	105,732	210,038	343,995	5,786	308,342	506,519
North Carolina	14,826	5,893	21,332	-	23,644	2,785
Ohio -----	672,254	773,098	1,310,067	128,233	1,064,466	1,326,583
Oklahoma -----	16,658	3,840	21,579	-	25,011	1,277
Oregon -----	11,095	4,222	19,053	564	14,852	W
Pennsylvania -	614,423	1,044,752	1,543,999	134,986	1,692,304	1,941,311
Rhode Island--	5,282	3,627	11,140	160	15,362	799
South Carolina	1,651	2,346	3,819	-	1,359	W
Tennessee-----	18,754	15,750	34,955	916	11,975	10,779
Texas -----	157,704	130,619	253,832	15,514	268,694	9,156
Utah -----	9,887	79,432	81,119	30	236,658	160,244
Vermont -----	1,627	758	2,023	-	3,159	603
Virginia -----	20,450	15,683	36,060	592	21,939	W
Washington ---	39,879	11,797	49,497	1,357	79,067	W
West Virginia-	43,034	84,572	139,891	6,524	78,755	234,543
Wisconsin ----	42,671	47,033	80,459	6,844	38,829	13,849
Undistributed-	124,037	57,849	191,575	1,321	144,386	764,408
Total U.S. ---	3,631,604	4,660,692	7,835,249	595,038	7,216,200	7,896,025

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, June 1969
(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			
Alabama -----	13,632	92,153	59,568	749	-	45,797	12,964	64,016	6,992
Arizona -----	W	-	14,622	-	-	W	W	W	W
Arkansas -----	-	-	-	-	-	W	-	-	-
California -----	4,848	41,771	30,844	3,642	12,677	103,072	894	43,186	18,731
Colorado -----	W	W	-	W	-	-	W	W	W
Connecticut -----	4,108	686	45	-	-	654	3,345	4,110	W
Delaware -----	W	W	W	W	W	W	W	W	-
Florida -----	W	-	W	-	-	W	-	W	-
Georgia -----	W	W	W	-	-	W	-	W	-
Illinois -----	35,479	214,593	104,596	22,646	9,733	220,748	18,127	107,396	-
Indiana -----	13,088	523,991	100,964	19,086	-	130,929	16,064	95,304	6,370
Iowa -----	6,386	-	5,236	13,632	25	2,945	15	7,811	73,078
Kansas -----	4,440	-	-	-	W	W	-	7,811	4,069
Kentucky -----	-	64,016	18,087	-	-	19,995	9,077	1,243	-
Louisiana -----	W	-	-	3,833	-	W	-	11,454	W
Maine -----	W	-	-	-	-	W	-	-	-
Maryland -----	3,814	W	27,524	W	-	W	-	W	-
Massachusetts -----	1,554	9	W	W	-	694	7,127	28,555	25,369
Michigan -----	20,993	45,930	152,240	18,075	W	238,695	10,460	6,593	W
Minnesota -----	1,283	18,679	W	W	W	2,965	W	193,603	40,757
Mississippi -----	-	-	W	-	W	W	-	8,289	W
Missouri -----	3,800	55,365	W	W	W	2,661	-	-	W
Montana -----	-	W	W	W	-	-	1,119	14,653	1,106
Nebraska -----	W	-	-	-	-	W	-	W	W
Nevada -----	W	-	-	-	-	-	-	W	-
New Hampshire -----	-	W	-	-	-	-	-	-	-
New Jersey -----	8,218	1,970	14,874	W	W	10,585	1,417	23,750	527
New York -----	6,140	163,085	19,508	5,148	1,629	49,527	13,015	55,819	30,124
North Carolina -----	W	-	W	-	-	W	-	9,247	-
Ohio -----	79,245	453,312	153,678	90,516	162	212,120	87,550	176,544	56,940
Oklahoma -----	-	W	-	-	W	-	-	W	W
Oregon -----	-	W	W	-	-	W	W	155	-
Pennsylvania -----	39,152	691,403	125,356	43,122	2,809	195,681	175,786	165,140	105,550
Rhode Island -----	-	W	W	-	-	1,839	W	3,557	W
South Carolina -----	W	-	-	46	-	W	-	3,274	-
Tennessee -----	6,244	W	W	-	-	W	-	20,754	5,149
Texas -----	7,983	73,742	16,011	25,668	W	69,070	3,063	43,128	7,098
Utah -----	W	W	W	W	-	W	W	W	-
Vermont -----	-	W	-	-	-	W	-	W	-
Virginia -----	5,702	W	W	-	W	6,178	W	18,651	-
Washington -----	1,888	20,845	W	901	W	1,399	960	6,677	-
West Virginia -----	W	10,792	W	-	W	W	110	3,655	W
Wisconsin -----	19,999	1,367	-	1,793	-	16,266	183	32,283	8,568
Undistributed --	3,319	325,532	109,008	11,557	43,626	164,406	8,634	22,825	33,221
U.S. Total -----	291,315	2,799,241	952,161	260,414	70,661	1,498,226	369,910	1,171,672	423,649

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

FOREIGN TRADE

Exports of iron and steel scrap totaled 905,818 short tons in June compared with 822,879 tons in May. Exports of pig iron during June totaled 879 tons and 1,315 tons in May. Imports of scrap totaled 47,913 short tons in June compared with 28,158 tons in May. Of the scrap imported during June, 46,173 short tons came from Canada and 1,740 tons from other sources. Imports of pig iron totaled 75,066 short tons in June and 39,107 tons in May. In addition to the foregoing imports of pig iron during June there were 400 tons of sponge iron, valued at \$53,855 imported from Canada.

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

Country	June 1969		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	37,503	\$894,949	285,812	6,786,109
Hong Kong -----	31	20,441	216	75,990
Italy -----	90,988	2,383,835	331,902	9,600,580
Japan -----	425,954	11,695,296	1,581,602	42,322,317
Korea -----	47,227	1,389,643	292,696	9,506,360
Mexico -----	54,370	1,885,572	265,382	8,546,282
Spain -----	85,286	1,800,076	349,206	7,411,086
Sweden -----	7,757	1,098,764	71,281	7,784,112
Taiwan -----	1,974	123,881	29,775	1,111,383
United Kingdom -----	112,935	3,482,920	133,777	4,190,872
West Germany -----	1,760	353,835	4,836	931,315
Other Countries -----	40,033	1,327,620	119,915	5,080,041
Total -----	905,818	26,456,832	3,466,400	103,346,447

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

Grades of scrap	June 1969		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap -----	396,332	\$11,949,175	1,391,825	\$41,455,275
No. 2 heavy melting steel scrap -----	81,600	2,251,957	395,203	10,343,747
No. 1 bundles -----	58,929	1,697,429	154,969	4,267,721
No. 2 bundles -----	119,092	2,223,944	463,523	8,398,301
Borings, shovelings & turnings -----	50,344	844,747	230,450	3,887,861
Iron scrap -----	53,600	1,492,380	204,677	5,987,151
Stainless steel scrap ----	4,984	1,530,948	40,217	10,772,206
All other scrap <u>1</u> /-----	140,937	4,466,252	585,536	18,234,185
Total -----	905,818	26,456,832	3,466,400	103,346,447

1/ Includes tin plate and terne plate.