



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 MARCH 1969

Total consumption of iron and steel scrap, and pig iron, increased substantially during March, increasing by 12 percent and 13 percent, respectively, over February, according to the Bureau of Mines, U.S. Department of the Interior. Production of home scrap and receipts of purchased scrap both increased by 12 percent over that for February.

Steel production increased by 14 percent over the previous month, and consumers' stocks of ferrous scrap decreased slightly while pig iron stocks decreased 5 percent.

The daily consumption rate of scrap, 268,086 short tons, was 12 percent higher than the 1968 daily average and equated the monthend inventory to a 28-day supply.

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, March 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 -----	2,923,759	189,803	849,241	3,962,803	10,877,219
Production -----	4,240,614	97,963	518,351	4,856,928	13,661,295
Consumption by grades:					
Carbon steel -					
Low phosphorous plate and punchings--	41,339	72,319	71,966	185,624	547,449
Cut structural and plate -----	31,991	18,869	93,887	144,747	418,714
No. 1 heavy melting steel -----	2,361,391	25,671	23,501	2,410,563	6,668,907
No. 2 heavy melting steel -----	563,293	239	20,554	584,086	1,593,853
No. 1 and electric furnace bundles--	646,721	7,663	40,525	694,909	2,013,644
No. 2 and all other bundles -----	344,276	3,142	42,298	389,716	1,070,522
Turnings and borings -----	188,023	7,755	51,029	246,807	689,231
Slag scrap (Fe content) -----	328,785	376	2,466	331,627	873,747
Shredded or fragmentized -----	63,566	4,461	9,007	77,034	195,640
All other carbon steel scrap -----	1,302,763	76,800	145,209	1,524,772	4,397,287
Stainless steel -----	98,065	2,494	1,898	102,457	263,189
Alloy steel (except stainless) -----	287,509	12,791	12,325	312,625	837,504
Cast iron (include borings) -----	459,391	32,774	729,356	1,221,521	3,643,865
Other grades of scrap -----	28,007	14,727	41,441	84,175	239,221
Total consumption -----	6,745,120	280,081	1,285,462	8,310,663	23,452,773
Shipments -----	485,718	6,222	54,404	546,344	1,537,360
Stocks end of month -----	6,300,258	320,359	833,319	7,453,936	-
PIG IRON:					
Receipts -----	400,992	11,036	297,091	709,119	2,033,374
Production -----	8,137,289	-	-	8,137,289	22,498,452
Consumption -----	7,916,304	10,914	310,752	8,237,970	22,930,773
Shipments -----	698,371	226	277	698,874	1,913,852
Stocks end of month -----	1,705,358	19,939	245,891	1,971,188	-

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, March 1969
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama -----	164,876	169,434	316,426	33,201	234,360	360,264
Arizona -----	17,520	3,120	20,556	W	W	W
Arkansas -----	W	W	W	-	W	-
California ---	115,263	114,954	242,354	8,301	289,101	215,729
Colorado -----	W	W	W	W	W	W
Connecticut --	9,725	6,342	15,514	533	13,294	1,946
Delaware -----	W	W	W	-	W	W
Florida -----	W	W	W	-	W	W
Georgia -----	W	W	W	W	W	888
Illinois -----	416,865	389,470	758,295	28,296	957,139	567,414
Indiana -----	347,702	726,914	987,590	85,695	840,292	1,140,170
Iowa -----	43,590	17,131	62,672	280	38,484	3,786
Kansas -----	6,444	3,600	9,638	-	3,918	199
Kentucky -----	79,739	76,550	148,581	6,625	125,309	W
Louisiana ----	W	W	W	W	W	W
Maine -----	W	W	W	-	W	W
Maryland -----	32,694	247,538	283,954	10,915	158,181	W
Massachusetts-	4,333	5,547	9,468	217	4,927	2,361
Michigan -----	430,527	382,158	792,104	7,646	429,432	659,612
Minnesota ----	22,792	24,031	42,471	1,945	50,576	W
Mississippi --	W	W	W	-	W	-
Missouri -----	74,129	24,950	93,795	682	160,963	1,498
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 ---	49,752	12,998	63,494	1,615	71,836	6,161
New York -----	118,486	221,440	348,283	4,381	409,618	509,601
North Carolina	18,015	3,616	18,806	-	20,734	3,114
Ohio -----	790,042	816,710	1,472,530	118,366	1,023,358	1,378,467
Oklahoma -----	14,650	4,453	20,524	8	27,591	1,500
Oregon -----	17,509	4,819	18,821	404	28,461	W
Pennsylvania -	711,733	1,108,068	1,664,099	189,671	1,653,357	2,069,683
Rhode Island -	6,341	3,938	9,213	-	16,885	659
South Carolina	1,566	2,503	3,990	-	1,316	W
Tennessee ----	25,153	15,613	38,341	1,330	11,576	11,949
Texas -----	161,005	147,240	271,588	21,842	265,013	20,911
Utah -----	9,626	72,243	86,120	27	231,539	169,165
Vermont -----	1,485	789	2,118	-	3,038	644
Virginia -----	22,817	16,916	39,295	1,169	22,888	W
Washington ---	35,347	13,584	47,032	1,622	69,044	W
West Virginia-	76,587	84,450	141,372	13,051	117,444	W
Wisconsin ----	43,448	48,865	89,088	7,343	38,915	14,360
Undistributed-	93,042	86,944	192,531	1,179	135,347	1,097,889
Total U.S. ---	3,962,803	4,856,928	8,310,663	546,344	7,453,936	8,237,970

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, March 1969
(Short tons)

State	CARBON STEEL						Cast iron (include 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 fragment- ized	All other carbon steel			
Alabama -----	18,230	118,510	51,477	1,312	-	50,854	11,081	58,546	6,416
Arizona -----	133	-	12,699	-	-	4,666	61	51	2,946
Arkansas -----	-	-	-	-	-	-	-	-	-
California -----	4,094	52,643	34,782	3,770	9,607	100,808	841	32,192	3,617
Colorado -----	W	W	-	W	-	-	W	-	W
Connecticut -----	4,443	565	51	W	W	914	4,188	5,000	W
Delaware -----	W	W	W	-	W	W	W	-	-
Florida -----	W	W	-	-	-	W	-	W	-
Georgia -----	W	W	W	-	-	W	-	W	-
Illinois -----	47,089	224,831	117,248	22,985	10,029	208,890	17,828	100,834	8,561
Indiana -----	16,141	545,570	114,569	19,867	-	149,820	11,763	69,260	60,800
Iowa -----	7,356	10,800	3,423	16,297	631	3,909	-	15,256	5,000
Kansas -----	4,652	-	-	-	W	W	-	1,371	-
Kentucky -----	-	75,889	15,291	5,074	-	22,387	9,536	14,668	W
Louisiana -----	W	-	-	-	-	W	-	-	-
Maine -----	W	-	-	-	-	-	-	W	-
Maryland -----	4,413	W	27,174	W	-	W	8,776	16,799	31,082
Massachusetts -----	1,566	72	W	W	-	754	W	6,417	W
Michigan -----	24,870	42,009	148,912	22,081	W	261,696	13,035	228,822	34,595
Minnesota -----	557	19,681	W	W	W	1,552	W	8,625	W
Mississippi -----	-	-	W	W	W	W	-	-	-
Missouri -----	3,857	63,302	W	W	W	2,594	1,071	14,777	1,305
Montana -----	W	W	-	-	-	-	-	W	W
Nebraska -----	W	-	-	-	-	W	-	W	W
Nevada -----	W	-	-	-	-	-	-	W	-
New Hampshire -----	-	W	-	-	-	-	-	-	-
New Jersey -----	7,690	1,509	14,739	W	W	11,348	699	24,706	579
New York -----	5,488	146,034	26,631	7,893	2,405	47,318	14,754	67,160	30,600
North Carolina -----	W	-	W	-	-	W	-	9,399	-
Ohio -----	85,924	491,717	241,531	81,009	279	214,702	104,734	196,812	55,822
Oklahoma -----	-	W	-	-	-	W	-	-	W
Oregon -----	-	W	W	-	-	-	W	-	-
Pennsylvania -----	41,358	717,330	155,712	40,912	3,521	202,211	202,453	189,481	111,121
Rhode Island -----	-	W	W	-	-	1,465	W	3,104	W
South Carolina -----	W	-	-	153	-	W	-	3,175	-
Tennessee -----	8,337	W	W	-	-	W	-	22,867	5,752
Texas -----	7,185	84,833	19,338	7,832	W	70,553	4,182	51,555	10,932
Utah -----	W	W	W	W	W	W	W	W	-
Vermont -----	-	W	-	-	-	W	-	1,516	-
Virginia -----	7,267	W	W	-	-	7,702	W	19,603	-
Washington -----	2,457	24,021	W	946	W	1,796	723	1,590	-
West Virginia -----	W	10,411	W	W	W	W	8	4,141	W
Wisconsin -----	23,424	1,524	-	1,912	-	18,257	166	34,239	11,566
Undistributed -----	3,840	383,398	101,048	14,964	50,562	142,576	9,183	19,555	35,108
U.S. Total -----	330,371	2,994,649	1,084,625	246,807	77,034	1,524,772	415,082	1,221,521	415,802

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

FOREIGN TRADE

Exports of iron and steel scrap totaled 529,964 short tons in March compared with 232,933 tons in February. Exports of pig iron during March totaled 736 tons and 270 tons in February. Imports of scrap totaled 29,359 short tons in March compared with 20,881 tons in February. Of the scrap imported during March, 29,255 short tons came from Canada and 104 tons from other sources. Imports of pig iron totaled 20,281 short tons in March and 5,764 tons in February. In addition to the foregoing imports of pig iron during March there were 1,018 tons of sponge iron, valued at \$118,061 imported, of which 201 tons came from Canada and 817 tons from Sweden.

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

Country	March 1969		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	63,290	\$1,445,346	137,414	\$3,316,090
Hong Kong-----	-	-	6	3,749
Italy-----	27,896	707,656	39,712	1,347,736
Japan -----	251,851	6,589,278	451,633	12,116,633
Korea -----	52,638	1,659,930	120,135	3,886,686
Mexico -----	46,762	1,406,937	110,291	3,419,011
Spain -----	39,226	714,032	77,194	1,483,552
Sweden -----	6,882	1,419,961	11,647	2,615,677
Taiwan -----	5,467	218,649	16,910	499,439
United Kingdom -----	9,189	283,428	11,907	462,285
West Germany -----	89	9,245	588	184,939
Other Countries -----	26,674	876,841	47,681	1,985,958
Total -----	529,964	15,331,303	1,025,118	31,321,755

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

Grades of scrap	March 1969		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap -----	242,523	\$7,136,130	423,705	\$12,726,005
No. 2 heavy melting steel scrap-----	59,620	1,566,982	129,582	3,362,596
No. 1 bundles -----	9,543	249,785	24,402	640,855
No. 2 bundles -----	60,304	1,056,167	113,161	2,033,408
Borings, shovelings & turnings -----	34,435	586,996	86,062	1,454,664
Iron scrap -----	21,569	614,635	72,093	2,246,202
Stainless steel scrap -----	7,139	1,527,870	15,873	3,903,112
All other scrap <u>1/</u> -----	94,831	2,592,738	160,240	4,954,913
Total -----	529,964	15,331,303	1,025,118	31,321,755

1/ Includes tin plate and terne plate.