



# 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 JANUARY 1966

The consumption of scrap increased 9 percent in steelmaking furnaces in January, 1966, and the percentage of scrap in steelmaking metallics increased to 47 percent, according to the Bureau of Mines, U.S. Department of the Interior. Total consumption of scrap increased 6 percent. Iron and steel scrap was only 51 percent of total metallics consumed during January as the continued upswing in steel production was accompanied by an increase of 8 percent in pig iron production.

The increase in the percent of scrap in metallics for steelmaking resulted from an 11 percent increase in the consumption of scrap by the open-hearth furnace. Scrap was 43 percent of the metallics charged to open-hearth furnaces, 29 percent of that in basic oxygen converters, and over 98 percent of that in electric furnaces. In January, consumption of scrap in the three furnaces increased 11, 12, and 4 percent, respectively.

Table 1.-Production, receipts, consumption, and consumers' stocks of ferrous scrap and pig iron, August 1965 through January 1966  
(Short 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> |
| Aug.---- | 4,730,972             | 2,876,688                      | 7,607,660 | 7,515,039   | 7,762,047 | 7,183,767                         | 2,415,621              |
| Sept.--- | 4,433,937             | 2,599,926                      | 7,033,863 | 7,009,315   | 6,794,360 | 7,213,434                         | 2,445,897              |
| Oct.---  | 4,198,815             | 2,758,416                      | 6,957,231 | 6,740,869   | 6,378,373 | 7,431,684                         | 2,459,636              |
| Nov.---  | 3,834,601             | 2,731,694                      | 6,566,295 | 6,497,756   | 5,930,227 | 7,502,290                         | 2,449,845              |
| Dec.---  | 4,152,836             | 2,956,222                      | 7,109,058 | 7,001,143   | 6,501,902 | 7,637,656                         | 2,328,961              |
| Jan.---  | 4,175,387             | <u>2</u> /2,958,601            | 7,133,988 | 7,454,608   | 7,024,340 | 7,321,531                         | 2,234,851              |

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

<sup>2/</sup> Excludes 427,824 short tons of scrap shipped, transferred, or otherwise disposed of during month.

Prepared October 14, 1966, by Robert A. Whitman, Physical Scientist.

The consumption of scrap in cupola furnaces did not change from December 1965 to January 1966.

The daily consumption rate of scrap increased 6 percent in January and consumers' stocks declined to a 30-day supply. There was virtually no change in the amount of home scrap produced or purchased scrap received. Dealers furnished 80 percent of all purchased scrap. (Purchased scrap is a net figure computed by deducting scrap shipped, transferred, or otherwise disposed of by consumers, from total scrap received from dealers and all others.)

Table 2.-Production and receipts of ferrous scrap by major consuming industries' plants,  
August 1965 through January 1966  
(Short tons)

| Date          | Home scrap produced                      |                               |                                                | Purchased scrap received (net) 1/        |                               |                                                |
|---------------|------------------------------------------|-------------------------------|------------------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------|
|               | Mfgs. of<br>steel ingots<br>and castings | Mfgs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Mfgs. of<br>steel ingots<br>and castings | Mfgs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users |
| August-----   | 4,110,156                                | 124,408                       | 496,408                                        | 2,094,793                                | 161,639                       | 620,256                                        |
| September---- | 3,740,287                                | 134,940                       | 558,710                                        | 1,713,463                                | 180,819                       | 705,644                                        |
| October-----  | 3,482,265                                | 126,788                       | 589,762                                        | 1,830,884                                | 184,856                       | 742,676                                        |
| November----- | 3,154,670                                | 125,634                       | 554,297                                        | 1,816,534                                | 186,216                       | 728,944                                        |
| December----- | 3,421,389                                | 144,897                       | 586,550                                        | 1,947,205                                | 220,200                       | 788,817                                        |
| January-----  | 3,467,917                                | 133,420                       | 574,050                                        | 2,027,196                                | 183,416                       | 747,989                                        |

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

Table 3.-Consumers' stocks, production, receipts, consumption and shipments of iron  
and steel scrap, by grades, January 1966  
(Short tons)

| Grades of scrap                        | Stocks at<br>beginning<br>of month <u>r/</u> | Home scrap<br>produced | Purchased<br>scrap<br>received <u>1/</u> | Consump-<br>tion | Ship-<br>ments | Stocks at<br>end of<br>month |
|----------------------------------------|----------------------------------------------|------------------------|------------------------------------------|------------------|----------------|------------------------------|
| Steel scrap, excludes rerolling rails: |                                              |                        |                                          |                  |                |                              |
| Carbon-----                            | 5,561,273                                    | 3,048,746              | 2,758,340                                | 5,706,723        | 308,931        | 5,352,705                    |
| Alloy, excludes stainless-----         | 392,394                                      | 233,467                | 49,998                                   | 281,038          | 9,027          | 385,794                      |
| Stainless-----                         | 131,712                                      | 41,358                 | 24,368                                   | 72,674           | 3,073          | 121,691                      |
| Cast iron, includes borings-----       | 1,556,772                                    | 851,816                | 553,719                                  | 1,394,173        | 106,793        | 1,461,341                    |
| Total-----                             | 7,642,151                                    | 4,175,387              | 3,386,425                                | 7,454,608        | 427,824        | 7,321,531                    |

r/ Revised. 1/ Purchased scrap received from dealers and all others.

Table 4.-Home scrap produced by source, by type of manufacturers, during January 1966  
(Short tons)

|                                                 | Source of scrap            |                       |                         | Total     |
|-------------------------------------------------|----------------------------|-----------------------|-------------------------|-----------|
|                                                 | Recirculating<br><u>1/</u> | Obsolete<br><u>2/</u> | Other including<br>slag |           |
| Manufacturers of steel ingots and castings----- | 3,005,585                  | 267,188               | 195,144                 | 3,467,917 |
| Manufacturers of steel castings-----            | 132,769                    | 473                   | 178                     | 133,420   |
| Iron foundries and miscellaneous users-----     | 563,192                    | 10,512                | 346                     | 574,050   |
| Total-----                                      | 3,701,546                  | 278,173               | 195,668                 | 4,175,387 |

1/ Includes home, plant, or recycled iron and steel scrap.

2/ Includes molds, stools, machinery, and buildings; excludes rerolling rails.

Table 5.-Consumption of iron and steel scrap at major consuming industries' plants,  
during January 1966, and consumption year to date, by grades  
(Short tons)

| Grades of scrap                        | Mfgrs. of<br>steel ingots<br>and castings | Mfgrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total<br>consump-<br>tion | Total<br>consumption<br>year to date |
|----------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------|---------------------------|--------------------------------------|
| Steel scrap, excludes rerolling rails: |                                           |                                |                                                |                           |                                      |
| Carbon-----                            | 4,970,593                                 | 269,249                        | 466,881                                        | 5,706,723                 | ---                                  |
| Alloy, excludes stainless-----         | 254,055                                   | 16,279                         | 10,704                                         | 281,038                   | ---                                  |
| Stainless-----                         | 67,504                                    | 2,586                          | 2,584                                          | 72,674                    | ---                                  |
| Cast iron, includes borings-----       | 513,567                                   | 32,281                         | 848,325                                        | 1,394,173                 | ---                                  |
| Total-----                             | 5,805,719                                 | 320,395                        | 1,328,494                                      | 7,454,608                 | ---                                  |

Table 6.-Stocks of iron and steel scrap and pig iron on hand at major consuming industries' plants  
at end of month  
(Short tons)

| Date               | Scrap stocks                              |                                |                                                |           | Pig iron stocks                           |                                |                                                |           |
|--------------------|-------------------------------------------|--------------------------------|------------------------------------------------|-----------|-------------------------------------------|--------------------------------|------------------------------------------------|-----------|
|                    | Mfgrs. of<br>steel ingots<br>and castings | Mfgrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total     | Mfgrs. of<br>steel ingots<br>and castings | Mfgrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total     |
| Aug. 31, 1965----  | 5,887,004                                 | 365,343                        | 931,420                                        | 7,183,767 | 1,834,394                                 | 36,297                         | 544,930                                        | 2,415,621 |
| Sept. 30, 1965---- | 5,924,413                                 | 350,558                        | 938,463                                        | 7,213,434 | 1,881,632                                 | 32,798                         | 531,467                                        | 2,445,897 |
| Oct. 31, 1965----  | 6,124,658                                 | 347,605                        | 959,421                                        | 7,431,684 | 1,953,108                                 | 28,300                         | 478,228                                        | 2,459,636 |
| Nov. 30, 1965----  | 6,178,345                                 | 351,065                        | 972,880                                        | 7,502,290 | 1,961,549                                 | 28,237                         | 460,059                                        | 2,449,845 |
| Dec. 31, 1965----  | 6,243,376                                 | 372,930                        | 1,021,350                                      | 7,637,656 | 1,858,801                                 | 27,556                         | 442,604                                        | 2,328,961 |
| Jan. 31, 1966----  | 5,930,488                                 | 373,314                        | 1,017,729                                      | 7,321,531 | 1,809,246                                 | 26,289                         | 399,316                                        | 2,234,851 |

Table 7.-Pig iron stocks, production, receipts, consumption and shipments  
(Short tons)

|                    | Stocks at<br>beginning<br>of month <u>x/</u> | Produced<br>during the<br>month | Received<br>during the<br>month | Consumed<br>during the<br>month | Shipped to<br>others during<br>the month | Stocks at<br>end of<br>month |
|--------------------|----------------------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------------|------------------------------|
| December 1965----- | 2,454,398                                    | 6,342,869                       | 561,509                         | 6,501,902                       | 527,913                                  | 2,328,961                    |
| January 1966-----  | 2,329,952                                    | 6,912,855                       | 549,235                         | 7,024,340                       | 532,851                                  | 2,234,851                    |

x/ Revised.

Table 8.-Consumers' receipts and total consumption of iron and steel  
scrap, by grades, during January 1966  
(Short tons)

| Grades of scrap<br>(Excludes rerolling rails) | Receipts during the month |                |           | Total<br>consumption |
|-----------------------------------------------|---------------------------|----------------|-----------|----------------------|
|                                               | From<br>dealers           | From<br>others | Total     |                      |
| Carbon steel:                                 |                           |                |           |                      |
| Low phosphorus plate and punchings--          | 249,522                   | 63,211         | 312,733   | 373,232              |
| Cut structurals and plate-----                | 100,706                   | 1,662          | 102,368   | 107,957              |
| Steel car wheels-----                         | 10,910                    | 241            | 11,151    | 11,298               |
| No. 1 heavy melting-----                      | 420,347                   | 171,697        | 592,044   | 2,482,863            |
| No. 1 and electric furnace bundles--          | 440,903                   | 154,878        | 595,781   | 573,651              |
| No. 2 and all other bundles-----              | 427,953                   | 39,793         | 467,746   | 588,009              |
| Turnings and borings-----                     | 203,408                   | 5,876          | 209,284   | 214,027              |
| Slag scrap (Fe content)-----                  | 20,343                    | 41,386         | 61,729    | 248,172              |
| All other carbon steel scrap-----             | 327,199                   | 78,305         | 405,504   | 1,107,514            |
| Alloy steel, excludes stainless-----          | 33,681                    | 16,317         | 49,998    | 281,038              |
| Stainless steel-----                          | 21,350                    | 3,018          | 24,368    | 72,674               |
| Cast iron: Borings-----                       | 66,701                    | 34,396         | 101,097   | 145,053              |
| All other cast iron scrap-----                | 368,714                   | 83,908         | 452,622   | 1,249,120            |
| Total-----                                    | 2,691,737                 | 694,688        | 3,386,425 | 7,454,608            |

Table 9.-Consumers' production, receipts, consumption and stocks of iron and steel scrap, and consumption of pig iron in the United States, by districts and States, January 1966 (Short tons)

| District and State                                                           | Home scrap produced | Total purchased scrap received 1/ | Consumption by grades                    |                                  |                 |                              |                 | Scrap stocks    | Pig iron consumption |
|------------------------------------------------------------------------------|---------------------|-----------------------------------|------------------------------------------|----------------------------------|-----------------|------------------------------|-----------------|-----------------|----------------------|
|                                                                              |                     |                                   | Carbon steel (excludes re-rolling mills) | Alloy steel (excludes stainless) | Stainless steel | Cast iron (includes borings) | Total scrap     |                 |                      |
| New England:                                                                 |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Connecticut, Massachusetts, Rhode Island, Maine, New Hampshire, Vermont----- | 19,935<br>1,196     | 25,298<br>1,749                   | 19,999<br>805                            | 990                              | 3,401           | 22,087<br>2,264              | 46,377<br>3,069 | 46,719<br>3,047 | 11,242<br>735        |
| Total-----                                                                   | 21,131              | 27,047                            | 20,704                                   | 990                              | 3,401           | 24,351                       | 49,446          | 49,766          | 11,977               |
| Middle Atlantic:                                                             |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| New Jersey-----                                                              | 18,182              | 35,439                            | 32,740                                   | 2,847                            | 304             | 25,189                       | 61,080          | 72,388          | 5,347                |
| New York-----                                                                | 225,410             | 174,256                           | 272,752                                  | 7,223                            | 6,946           | 75,113                       | 362,034         | 601,046         | 445,611              |
| Pennsylvania (East) 2/-----                                                  | 292,682             | 190,110                           | 382,461                                  | 58,102                           | 3,011           | 62,602                       | 506,176         | 595,315         | 512,770              |
| Pennsylvania (West)-----                                                     | 652,528             | 341,702                           | 706,194                                  | 78,832                           | 36,891          | 130,571                      | 948,488         | 990,510         | 1,185,432            |
| Total-----                                                                   | 1,188,802           | 681,507                           | 1,434,147                                | 147,004                          | 43,152          | 293,475                      | 1,877,778       | 2,259,259       | 2,149,160            |
| East North Central:                                                          |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Illinois-----                                                                | 356,632             | 378,344                           | 566,167                                  | 15,264                           | 2,407           | 136,246                      | 720,084         | 794,393         | 449,376              |
| Indiana-----                                                                 | 524,577             | 296,731                           | 729,128                                  | 10,466                           | 1,015           | 101,744                      | 842,353         | 654,350         | 942,274              |
| Michigan-----                                                                | 391,367             | 396,568                           | 497,554                                  | 3,221                            | 8,327           | 260,265                      | 769,367         | 392,219         | 709,970              |
| Ohio (East) 3/-----                                                          | 552,523             | 463,559                           | 817,992                                  | 74,708                           | 6,977           | 117,712                      | 1,017,349       | 681,837         | 955,345              |
| Ohio (West)-----                                                             | 137,310             | 171,022                           | 150,774                                  | 932                              | 59              | 90,945                       | 242,710         | 149,108         | 165,401              |
| Wisconsin-----                                                               | 56,427              | 49,630                            | 49,775                                   | 448                              | 315             | 46,352                       | 96,890          | 55,575          | 18,026               |
| Total-----                                                                   | 2,018,836           | 1,755,854                         | 2,811,390                                | 105,039                          | 19,060          | 753,264                      | 3,688,753       | 2,727,482       | 3,240,392            |
| West North Central:                                                          |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Iowa-----                                                                    | 21,521              | 46,085                            | 43,387                                   | -----                            | -----           | 18,631                       | 62,024          | 67,927          | 6,168                |
| Kansas and Nebraska-----                                                     | 4,531               | 9,968                             | 10,337                                   | -----                            | -----           | 3,644                        | 13,982          | 10,155          | 463                  |
| Minnesota-----                                                               | 19,243              | 14,484                            | 24,853                                   | -----                            | -----           | 13,621                       | 39,010          | 67,235          | 35,546               |
| Missouri-----                                                                | 22,626              | 76,881                            | 78,067                                   | 1,162                            | -----           | 15,277                       | 94,091          | 170,542         | 3,877                |
| Total-----                                                                   | 67,921              | 147,418                           | 156,644                                  | 1,162                            | -----           | 51,173                       | 209,107         | 315,859         | 46,054               |
| South Atlantic:                                                              |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Delaware and Maryland-----                                                   | 215,198             | 27,678                            | 226,808                                  | 1,669                            | -----           | 18,558                       | 252,556         | 180,235         | 440,629              |
| Florida and Georgia-----                                                     | 7,433               | 18,411                            | 32,146                                   | -----                            | -----           | 1,474                        | 33,680          | 65,418          | 753                  |
| North Carolina and South Carolina-----                                       | 4,390               | 17,763                            | 10,565                                   | -----                            | -----           | 11,101                       | 21,979          | 15,863          | 4,205                |
| Virginia and West Virginia-----                                              | 82,894              | 117,838                           | 179,763                                  | 1,168                            | -----           | 19,379                       | 200,027         | 117,768         | 194,769              |
| Total-----                                                                   | 309,915             | 181,690                           | 449,282                                  | 2,837                            | -----           | 50,512                       | 508,182         | 373,284         | 640,356              |
| East South Central:                                                          |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Alabama-----                                                                 | 155,383             | 128,443                           | 200,444                                  | 7,864                            | -----           | 63,539                       | 271,847         | 341,287         | 295,058              |
| Kentucky, Mississippi, Tennessee-----                                        | 79,473              | 97,111                            | 132,736                                  | 5,913                            | -----           | 41,310                       | 180,501         | 243,786         | 151,084              |
| Total-----                                                                   | 234,856             | 225,554                           | 333,180                                  | 13,777                           | -----           | 104,849                      | 452,348         | 585,073         | 446,142              |
| West South Central:                                                          |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Arkansas, Louisiana, Oklahoma, Texas-----                                    | 6,304               | 19,532                            | 19,555                                   | 3,636                            | -----           | 3,283                        | 22,856          | 54,904          | 1,089                |
| Total-----                                                                   | 92,833              | 108,967                           | 131,381                                  | -----                            | -----           | 46,750                       | 181,827         | 200,445         | 99,031               |
| Rocky Mountain:                                                              |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| Arizona, Colorado, Montana, Nevada, Utah-----                                | 97,670              | 57,395                            | 148,504                                  | 3,103                            | -----           | 21,530                       | 173,137         | 284,134         | 193,920              |
| Total-----                                                                   | 97,670              | 57,395                            | 148,504                                  | 3,103                            | -----           | 21,530                       | 173,137         | 284,134         | 193,920              |
| Pacific Coast:                                                               |                     |                                   |                                          |                                  |                 |                              |                 |                 |                      |
| California and Hawaii-----                                                   | 122,506             | 129,376                           | 182,788                                  | 1,920                            | 167             | 40,699                       | 225,574         | 326,793         | 192,076              |
| Oregon and Washington-----                                                   | 14,613              | 52,065                            | 59,148                                   | 1,570                            | 595             | 4,287                        | 65,600          | 144,532         | 4,143                |
| Total-----                                                                   | 137,119             | 181,441                           | 241,936                                  | 3,490                            | 762             | 44,986                       | 291,174         | 471,325         | 196,219              |
| U.S. total-----                                                              | 4,175,387           | 3,386,425                         | 5,706,723                                | 281,038                          | 72,674          | 1,394,173                    | 7,454,608       | 7,321,531       | 7,024,340            |

1/ Includes 427,824 short tons that was shipped, transferred or otherwise disposed of during the month.

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

3/ 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.

W/ Figures withheld to avoid disclosing individual company confidential data; included in U.S. totals.

CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON

Consumption of scrap in January totaled 7,454,608 short tons which was at an average daily rate of 240,471 tons or 3 percent less than for the year 1965.

In January, open-hearth furnaces used 46 percent of the total scrap, and 64 percent of the pig iron compared with 44 and 65 percent, respectively, in December; electric furnaces in January used 10 percent of the combined total of iron and steel scrap and pig iron charged to all furnaces, with open-hearth using 54 percent. During 1965, these percentages were 10 and 59 percent, respectively. Blast furnaces used 5 percent of the total scrap; the corresponding percentage for the year 1965 was 6.

During January, steelmaking furnaces (open-hearth, Bessemer, basic oxygen converter, and electric) accounted for 75 percent of the total scrap, and 91 percent of the pig iron consumed, compared with 73 and 91 percent, respectively, during December. In 1965, steel-making furnaces used 76 percent of the total scrap, and 91 percent of the pig iron. The remainder was used in ironmaking furnaces, principally the cupola. Consumption by type of furnace during January is shown in the following table:

Table 10.-Consumption of iron and steel scrap, and pig iron, by type of manufacturers and furnaces during January 1966 (Short 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  |
| Basic oxygen converters <sup>3/</sup> | 769,943                                 | 1,880,773 | -----                        | -----    | -----                                  | -----    | 769,943   | 1,880,773 |
| Bessemer converters                   | 1,079                                   | 25,579    | 453                          | -----    | 4,104                                  | 751      | 5,636     | 26,330    |
| Open-hearth furnaces                  | 3,346,193                               | 4,472,248 | 58,951                       | 6,945    | -----                                  | -----    | 3,405,144 | 4,479,193 |
| Electric furnaces <sup>4/</sup>       | 1,182,332                               | 11,810    | 210,890                      | 3,215    | 22,419                                 | 3,254    | 1,415,641 | 18,279    |
| Total steelmaking furnaces            | 5,299,547                               | 6,390,410 | 270,294                      | 10,160   | 26,523                                 | 4,005    | 5,596,364 | 6,404,575 |
| Blast furnaces <sup>5/</sup>          | 370,478                                 | -----     | -----                        | -----    | -----                                  | -----    | 370,478   | -----     |
| Cupola furnaces                       | 128,766                                 | 24,507    | 31,177                       | 1,393    | 1,136,190                              | 290,025  | 1,296,133 | 315,925   |
| Air furnaces                          | 3,615                                   | 1,092     | 18,924                       | 3,462    | 107,029                                | 9,940    | 129,568   | 14,494    |
| Direct castings                       | -----                                   | 233,020   | -----                        | -----    | -----                                  | 56,326   | -----     | 289,346   |
| Ferroalloy                            | -----                                   | -----     | -----                        | -----    | 47,468                                 | -----    | 47,468    | -----     |
| Miscellaneous                         | 3,313                                   | -----     | -----                        | -----    | 11,284                                 | -----    | 14,597    | -----     |
| Total Jan. 1966                       | 5,805,719                               | 6,649,029 | 320,395                      | 15,015   | 1,328,494                              | 360,296  | 7,454,608 | 7,024,340 |
| Total Dec. 1965                       | 5,327,002                               | 6,147,658 | 345,856                      | 15,203   | 1,328,285                              | 339,041  | 7,001,143 | 6,501,902 |
| Total Nov. 1965                       | 4,918,489                               | 5,581,006 | 311,228                      | 14,090   | 1,268,039                              | 335,131  | 6,497,756 | 5,930,227 |
| Total Oct. 1965                       | 5,113,126                               | 5,995,137 | 314,933                      | 15,001   | 1,312,810                              | 368,235  | 6,740,869 | 6,378,373 |
| Total Sept. 1965                      | 5,420,686                               | 6,426,773 | 331,742                      | 15,836   | 1,256,887                              | 351,751  | 7,009,315 | 6,794,360 |
| Total Aug. 1965                       | 6,060,794                               | 7,412,053 | 288,729                      | 14,965   | 1,165,516                              | 335,029  | 7,515,039 | 7,762,047 |

<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 scrap and pig iron processed in metallurgical blast cupola and used in oxygen converters. <sup>4/</sup> Includes crucible furnaces. <sup>5/</sup> Includes consumption in all blast furnaces producing pig iron.

Table 11.-Consumption of iron and steel scrap and pig iron in open-hearth furnaces in the United States, by districts and States, during January 1966 (Short tons)

| District and State                     | Scrap     | Pig iron  | Total charge |
|----------------------------------------|-----------|-----------|--------------|
| New England and Middle Atlantic:       |           |           |              |
| New York and Rhode Island-----         | 167,478   | 202,202   | 369,680      |
| Pennsylvania (East)-----               | 315,421   | 449,071   | 764,492      |
| Pennsylvania (West)-----               | 520,336   | 764,890   | 1,285,226    |
| Total-----                             | 1,003,235 | 1,416,163 | 2,419,398    |
| East North Central:                    |           |           |              |
| Illinois-----                          | 267,762   | 316,670   | 584,432      |
| Indiana-----                           | 698,244   | 755,654   | 1,453,898    |
| Michigan and Wisconsin-----            | 118,687   | 123,498   | 242,185      |
| Ohio (East)-----                       | 453,397   | 600,507   | 1,053,904    |
| Ohio (West)-----                       | 114,269   | 153,296   | 267,565      |
| Total-----                             | 1,652,359 | 1,949,625 | 3,601,984    |
| West North Central:                    |           |           |              |
| Minnesota and Missouri-----            | 24,507    | 31,406    | 55,913       |
| Total-----                             | 24,507    | 31,406    | 55,913       |
| South Atlantic:                        |           |           |              |
| Delaware, Maryland, West Virginia----- | 357,968   | 624,858   | 982,826      |
| Total-----                             | 357,968   | 624,858   | 982,826      |
| East and West South Central:           |           |           |              |
| Alabama, Kentucky, Texas-----          | 193,679   | 271,106   | 464,785      |
| Total-----                             | 193,679   | 271,106   | 464,785      |
| Rocky Mountain and Pacific Coast:      |           |           |              |
| California, Colorado, Utah-----        | 173,396   | 186,035   | 359,431      |
| Total-----                             | 173,396   | 186,035   | 359,431      |
| U.S. Total-----                        | 3,405,144 | 4,479,193 | 7,884,337    |

# FOREIGN TRADE

Exports of iron and steel scrap totaled 355,902 short tons in January compared with 417,722 tons in December. Exports of pig iron during January totaled 609 tons and 6,283 tons in December. Imports of scrap totaled 19,668 short tons in January compared with 15,054 tons in December. Of the scrap imported during January 19,662 short tons came from Canada and 6 tons from other sources. Imports of pig iron totaled 32,563 short tons in January and 102,496 tons in December. In addition to the foregoing imports of pig iron during January, there was 4,275 tons of sponge iron valued at 597,913, imported, of which 463 tons came from Canada and 3,812 tons from other sources.

Table 12.-U.S. exports of iron and steel scrap, by countries

| Country            | January 1966 |              |
|--------------------|--------------|--------------|
|                    | Short tons   | Value        |
| Argentina-----     | -----        | -----        |
| Canada-----        | 42,681       | \$ 1,276,575 |
| France-----        | -----        | -----        |
| Germany, West----- | 5,869        | 155,555      |
| Italy-----         | 34,189       | 861,334      |
| Japan-----         | 168,479      | 4,729,836    |
| Korea-----         | -----        | -----        |
| Mexico-----        | 57,422       | 1,788,993    |
| Spain-----         | 20,143       | 539,638      |
| Sweden-----        | 190          | 44,781       |
| Taiwan-----        | 1,036        | 49,935       |
| All others-----    | 25,893       | 744,866      |
| Total-----         | 355,902      | 10,191,513   |

Table 13.-U.S. exports of iron and steel scrap, by grades

| Grades of scrap                       | January 1966 |              |
|---------------------------------------|--------------|--------------|
|                                       | Short tons   | Value        |
| No. 1 heavy melting steel scrap-----  | 130,757      | \$ 4,344,123 |
| No. 2 heavy melting steel scrap-----  | 54,531       | 1,515,613    |
| No. 1 bundles-----                    | 18,824       | 541,776      |
| No. 2 bundles-----                    | 100,618      | 2,143,595    |
| Borings, shovelings, and turnings---- | 18,104       | 406,228      |
| Iron scrap-----                       | 18,945       | 549,034      |
| Stainless steel scrap-----            | 1,080        | 305,032      |
| All other scrap <u>1</u> /-----       | 13,043       | 386,112      |
| Total-----                            | 355,902      | 10,191,513   |

1/ Includes tin plate andterne plate.