

of production—the tonnage of raw materials converted into iron and steel.

	Ore in tons.
Iron ore mined	593,000
Limestone quarried	352,600
Coke produced	409,000
Pig iron produced	256,500
Steel ingots produced	270,600
Blooms produced	237,500
Billets produced	71,000
Rails produced	129,000
Rods produced	64,500
Sulphate ammonia	1,550
Tar	*4,378,000
Granulated slag	17,000

* Gallons.

The most important additions to the company's plant were two Bessemer conveyors, with their accessory appliances.

The growing demand for power necessitated an increase in the quantity and efficiency of steam supply. This was obtained by the installation of several Babcock & Wilcox water tube boilers, and a system of superheaters.

The Nova Scotia Steel & Coal Company's coal output for 1907 will be approximately 650,000 tons, from three collieries, the new pit opened at Point Aconi, which was opened in June, adding only about 1,000 tons to the company's output for the year. A spur of railway 2 1-2 miles in length connecting this mine with the company's main line, was completed about a month ago. The work of pumping out No. 2 (Lloyd's Cove) Colliery begun on November 17th, is making excellent progress, and the water is being lowered at the rate of 30 to 40 feet per day. This colliery will be ready to produce probably in March next. It was abandoned in November, 1904.

In September last an electrically operated endless haulage system was installed in No. 5 Colliery. The new system is the latest and most approved in use, and is the only one of its kind in Cape Breton. No. 3 Colliery, which is the company's largest producer, was on single shift during the year, and to this fact is due the comparatively slight difference in the company's total output as compared with 1906.

The steel plant made an excellent showing in 1907 as compared with 1906, every department showing a large increase. The output of pig iron reached 59,000 tons, an increase of 10,000 tons over last year. The steel production was about 71,000 tons, being 20,000 tons more than was made last year. The coke output was also largely in excess of last year's record.

The output of the collieries of the Crow's Nest Pass Coal Company for the week ending January 3rd was 18,048 tons, a daily average of 3,609 tons.

The December output at the Nova Scotia Company's collieries totalled nearly 50,000 tons. The total amount of coal mined from the collieries during the twelve months just ended, was 638,065 tons, No. 3 Colliery being the biggest producer with an output of 296,466 tons; No. 1, with 256,161; No. 5, 82,310 tons, and No. 4, 3,128 tons.

A new blast furnace record was made at the works of the Dominion Iron & Steel Company on Thursday, 1,027 tons being the output for the day. This is about 25 tons better than the record announced a few days ago.

Cobalt ore statement for the week, December 28th, 1907 to January 4th, 1908:—

La Rose Mines, to New York, Jan. 1st, 1908, 48,190; La Rose Mines, to New York, Jan. 3rd, 1908, 56,720; total 105,910.

Townsite Mine, to Canadian Copper Company, Copper Cliff, Jan. 3rd, 1908, 45,100; Nipissing Mines, to New York, Jan. 4th, 1908, 54,410; total 204,420.

Cobalt ore statement for the week December 21st to 28th, 1907:—

King Edward Mine, to Willard P. Ward, New York, Dec. 23rd, 62,250; Trethewey Mine, to American Smelting & Refining Company, Perth Amboy, N.J., 62,000; total 124, 250.

NOVA SCOTIA RETURNS.

Estimated returns of mineral production for 1907:—

Coal	\$13,875,000
Coke	1,925,000
Gold	265,000
Gypsum, limestone and other minerals ...	975,000
Stone and building materials	310,000
Pig iron	1,385,000
Steel	4,100,000
Steel rails, rods, etc.,	8,150,000

Coal.—An authority upon Nova Scotia coal mining, the Hon. Robert Drummond, predicts an increase of half a million tons in the production of 1908 over 1907. The slight decrease of the total tonnage for 1907 as compared with the previous year is attributable to scarcity of unskilled labor, to the tardy opening of the shipping season and to the strike at Springhill.

The estimated coal production by countries, is as follows:—

	1906	1907	
	Tons.	Tons.	
C. B. county	3,841,000	3,820,000	D.21,000
Pictou county	593,000	642,000	I. 49,000
Cumberland county	509,000	420,000	D.89,000
Inverness county..	227,000	280,000	I. 53,000
Total	5,170,000	5,162,000	D. 8,000

Gold.—Close estimates of the production of gold for Nova Scotia for the calendar year just closed, put the figure at 13,500 ounces produced from 62,000 tons of quartz. This represents an average of \$4.14 for every ton crushed. To this total 24 mines contributed. Many of these mines, however, were not in continuous operation. The output is valued at \$265,000.

MARKET NOTES.

Silver.—December 19th, 53; December 20th, 53; December 21st, 52 1-2; December 23rd, 52 3-4; December 24th, 52 3-4; December 26th, 52 3-4; December 27th, 52 1-2; December 28th, 52 1-2; December 30th, 52 3-4; December 31st, 53 1-2.

December 31st, sterling exchange, 4.825.

Copper.—The copper market is steady, with a strong trend towards higher prices.

December 31st, New York.—Lake, 13 7-8 cents per lb.; electrolytic, 13 5-8; London, standard, £62 for spot.

Lead.—Prices moving up from low water mark. New York, 3.55 cents per lb.; London, £14 for spanish.

Tin.—Light transactions on firm market. New York, 27 1-4; London, £123 11s. for spot.

Quicksilver.—New York, \$46 per 75 lb. flask.

Industrial Paragraphs.

Circular No. 1,097 of the Canadian Westinghouse Company, describes their types K and KG motors. These direct-current series wound motors are for use on cranes, hoisting machinery and similar service.

The Coniagas mine has installed two Deister concentrating tables. These are giving particularly good service. Large installations have lately been made in the Western States. Mr. C. B. Fitch, of Fort Wayne, handles the Canadian business.