

51,000 tons for twelve months, a gain of upwards of 95 per cent. Sixty thousand tons will be a fair estimate of the output to the close of the present fiscal year.

The following will show the furnaces now in blast, with capacity and output :

LONDONDERRY IRON CO.

Londonderry, N.S.

DESCRIPTION OF PLANT, WITH CAPACITY.

36,000 acres of freehold land.

Ore Mines yield from 50,000 to 70,000 gross tons
Limestone Mines " " 12,000 to 15,000 " "

Railways—about 12 miles, company's own property.

2 Blast Furnaces capacity about 40,000 gross tons.
1 Rolling Mill—silent " " 8,000 " "
1 Pipe Foundry—silent " " 5,000 " "
Make of Pig Iron, 1892 28,052 net tons.
Ore charged (partly bought)... 64,430 " "
Coke " 41,006 " "
Coal " (all bought) 1,740 " "
Flux 14,907 " "

Number of men employed, about 350

Maximum number which has been employed when running all departments full..... 807

The Londonderry Company purchase from outside sources a very large proportion of their ore and coke. It is, therefore, altogether fair to credit them with the hands employed in the production of this material, in all some 450 men. This gives a total of 800 employees connected directly and indirectly with the operations of the Londonderry Company.

THE NEW GLASGOW IRON, COAL AND RAILWAY CO.

Ferrona, Pictou Co., N.S.

Ore Mines—Limonite and Hematite, yielding 60,000 to 75,000 tons per annum.

Coal Mines—Limestone quarries.

Railways—The property of the company, about 13 miles in length, connecting the furnace with the mines.

One Blast Furnace—65 feet high, bosh 23 ft. 6 in., hearth 9 ft. 5 in. Capacity 100 tons per day.

Battery of copper kilns.

Number of men employed, 425.

Iron produced in 1893, for nine months' campaign...22,500 net tons

Ore, about50,000 "

Coke,30,000 "

Flux, "13,000 "

The company purchase all the coal required for the operations of the furnace. Last year they bought, washed, and consumed 90,000 tons of coal. It is only fair to credit the industry with the men steadily employed in the fuel department, viz., 150 men and 50 boys, giving a total average of 625 employees in connection with the Ferrona Works.

Allied with this company, and as an important consumer of its forge iron, is the Nova Scotia Steel and Forge Co., Ltd., of New Glasgow, N.S. The following description will show the great importance of this steel industry.

The plant consists of 2 Siemens' melting furnaces, 20 tons capacity each; 3 gas heating furnaces; 5 reverberatory heating furnaces; 26 in. reversing cogging mill with train of live rolls; heavy vertical hot billet shears with live rolls; 1 20 in. plate mill; 1 16 in. bar mill; 1 12 in. bar mill; 1 9 in. guide mill; 10 pairs shears, 40 tons and smaller; 1 5-ton steam hammer, with 15-ton hydraulic crane; 4 smaller steam hammers.

Machine shop 175 ft. x 75 ft., with 30 ton travelling crane commanding whole shop, equipped with 24 in. slotter, 6 drills (one a 9 ft. radial, 5 in. spindle), 9 lathes, one of which will take in 50 in. over carriage,

and 8 in. x 10 in. in the gap, will take 37 ft. between centres; small shapers, etc., etc. Power is supplied by some 50 steam and 10 hydraulic cylinders. Entire works are lighted by arc and incandescent light plant. Output, 100 tons of steel ingots per day, all of which is worked up into bars, sheets, axles and other forgings. Over 97,000 axles of this company's make were supplied to Canadian railways.

This company employed in 1893 an average of 425 men at the works, and expended in wages to this staff \$185,471. Aside from this, they should be credited with the labor necessary to mine and raise the average quantity of ore required per day, in all one hundred men, giving a total of 550 men connected with the Nova Scotia Steel and Forge Co., Ltd. The company consumed 36,000 tons of coal in 1893. It may be mentioned also that they paid in 1893 for freights, inwards and outwards, \$86,667.61.

THE PICTOU CHARCOAL IRON CO., LTD.

Bridgeville, N.S.

Ore mines—Brown hematite and limonite, in the immediate vicinity of the furnace.

Wood supply—The company controls 8,500 acres of hardwood lands, yielding principally yellow beech and maple. This land is situated 15 miles from the furnace.

One blast furnace—55 ft. high, 11 ft. bosh, built of red brick. Capacity 5,000 tons charcoal iron per annum.

Charcoal Kilns—19 Beehive kilns, capacity 50 cords each.

This company has barely commenced operations. So far only 700 tons of iron have been produced. Working full blast, however, it will give employment to 300 men in the woods, mines, and at the furnace.

JOHN McDOUGALL & CO..

Drummondville, Que.

Ores—Bog ores secured within a radius of 12 miles of Drummondville.

Charcoal Fuel—Soft wood, principally balsam and spruce, secured in practically the same district as the ores.

Two furnace stacks—both built of stone—35 feet high. Capacity about 6 tons per day each. 200 men employed.

At present the whole of the output is used in the manufacture of car wheels at the company's works in Montreal. The campaign is therefore largely regulated by the requirements of the car wheel department.

THE CANADA IRON FURNACE CO. LTD.,

Radnor Forges, Champlain Co., Que

Ores, Bog and Lake—The company control 100,000 acres of ore-bearing lands in the district of St. Maurice and Three Rivers; also Vaudreuil, Joliette, St. Ambrose de Kildare, Point du Lac, Gentilly and Beconcour, including the important deposits of lake ores at Lac-a-la-Tortue and Lac-au-Sable, which the company hold in fee simple. Also magnetic iron mines at Sherbrooke, St. Jerome, and other points in the Province of Quebec.

Wood Supply—Freehold and royalty rights on hardwood lands, extending throughout the country north of Radnor Forges.

The supply of wood is practically inexhaustible.

The company's location at Grandes Piles, securing to them the "key" of the St. Maurice River, and the control of most valuable hardwood lands on either