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ney, forms a very serviceable cap and is a splendid protection to the chimney.

For the purpose of obtaining the most satisfactory results, the ventilator cap must have as great a cross-sectional area as flue or opening upon which it is placed.

The ventilator may be constructed with a plate glass top without losing its good qualities as a ventilator. By this construction it serves the double purpose of ventilating and lighting and is most effective in both. Nothing is more wholesome than pure air and good light. This ventilator will provide both. Gable or double-pitched skylights afford opportunity for ventilation at the ends without obstructing the light.

When a chimney has several flues, as is customary, a separate ventilator for each is always advisable. Two or more flues may be covered with a single base, which is very desirable; each should, however, be provided with a separate pipe and cap, making them independent of each other, and preventing interchange of smoke and gases.

When the temperature of the gases does not exceed 300 degrees F., these ventilators may be lined with pure lead to protect them against the attack of steam, sulphurous gases or any corrosive fumes.

ANOTHER BIG STEEL PLANT.

A story is going the rounds concerning the organization of the Canadian Steel Corporation, with a capital of \$18,000,000. Some time ago E. A. C. Pew, the well-known promoter of Welland, Ont., organized a company and secured a charter from the Dominion Government, empowering him to establish a steel plant at Welland, and at the time considerable attention was given to Mr. Pew's project. Since then the subject has hardly been discussed, but now has been revived, with some additional information.

A Toronto financial man has been engaged in organizing a company to take the project off Mr. Pew's hands. New York capital, it was stated, was being interested, and the early consummation of the new concern was looked for. The capital of the corporation is to be \$18,000,000 and the plant is to cost \$10,000,000. The site of the plant is to be 188 acres on the Welland canal, near the town of Welland, adjacent to the

natural gas fields (which, it is feared, may soon become exhausted), and also adjacent to the limestone fields.

An official of the company says:

The plant of the company will be located at Welland, on the Welland canal, in Ontario. The site includes 188 acres, and is located in the heart of the natural gas fields of the Dominion, which supply the United States over 3,000,000,000 cubic feet of gas. This will enable the company to obtain gas at 6 cents, while it costs Pittsburgh 42 cents. The limestone fields are also adjacent to the plant, and lime can be delivered for 30 cents a ton at the Welland Steel Works, while the cheapest at Pittsburgh is 18 cents a bushel. These are very important items in the operation of a steel plant with a capacity of over 3,000 tons a day. The magnetic and hematite iron fields of Ontario are in greater extent in the immediate vicinity of Welland than in the whole United States combined.

NOVA SCOTIA STEEL INDUSTRY.

Mr. James Ross, president of the Dominion Iron & Steel & Coal Cos., returned to Montreal a few days ago after an extended visit to Cape Breton.

He reports both these companies to be doing excellent work. Of the Iron & Steel Co., he says that they will probably turn out 10,000 tons of steel this month, at a cost of about half what it was when they began to manufacture last February. He said that last month the company had all its ore delivered at Sydney at less than \$1 a ton, which was 35 or 40 per cent. less than what the same ore cost them last year.

A great deal depends on the output, the fixed charges are about as much now as when the Steel Co's output will reach its maximum point of 30,000 tons a month. As for the full output, Mr. Ross said that the company is getting toward that point very rapidly.

The steel made at Sydney is of the best quality, and not a single complaint had been received from any of the customers, many of whom had visited the works.

"We could sell to-day," said Mr. Ross, "three times our present output, and it is very satisfactory to realize that so much more is taken in Canada than we could have possibly expected."

Mr. Ross states that the three buildings

which will constitute the rail mill, are practically completed, and the machinery is being brought on the ground with all necessary speed.

The Steel Co. has secured several options on ore properties, and is spending a good deal of money in development and testing work. It is the policy of the company to secure all the iron ore it could in Canada.

Referring to the Coal Co. he said:

"I have also just received the returns from the Coal Co., and I find that the net earnings for the first four months of the fiscal year, that is for March, April, May and June, show an increase of \$300,000 over the same four months of last year."

These four months only comprise two months of St. Lawrence navigation, but he thought the July output would not be less than 300,000 tons. Last year 850,000 tons had been sent up the St. Lawrence, yet the quantity coming this way this season would reach over 1,000,000 tons.

—Montreal Star.

OUR SOUTH AFRICAN TRADE COMMISSIONER.—Amongst the late arrivals in Cape Town is Mr. J. G. Jardine, Canadian Trade Commissioner, who has gone to South Africa with the object of fostering trade between that country and the Dominion.

In the course of an interview published in a South African paper, Mr. Jardine said: "We export very largely agricultural machinery from over 20 firms in Canada, whilst from at least 7 of our factories boots and shoes are exported in great numbers. I believe we manufacture the cheapest medium priced boots in the world, not excepting the United States. Canada is exceedingly anxious to increase its export trade in boots and shoes, agricultural machinery, all descriptions of canned goods and meats, as well as canned vegetables and fruits. Of cheese we now export to England some \$20,000,000 worth, or £4,000,000 per year. In timber, also, Canada is well to the front. Take furniture of any kind—bedroom, office, roller desks—we obtained many awards in Paris for these things. Then there is wood pulp for manufacturing paper. Canada has the largest wood-pulp manufactures that are known, and we are exporting any quantity of wood pulp for the manufacture of paper, besides

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