

A second edition of the lecture by Walter B. Snow on "The Influence of Mechanical Draft upon the Ultimate Efficiency of Steam Boilers," has just been issued by the B. F. Sturtevant Co. of Boston, Mass., by whom copies will be sent upon application.

The steam boiler in the factory of the Crescent Milling Co. at London, Ont., exploded December 21st completely wrecking the boiler house and doing considerable other damage, but there was no loss of human life. Caused by a defective patch.

Messrs. Foster & Co. of Utica, N.Y., one of the largest concerns manufacturing brass and iron bedsteads, etc., in the United States, will establish a branch of their works in Toronto. They have secured the large buildings on the Esplanade recently occupied by the Toronto Carpet Manufacturing Co., which will be fully equipped with new and best approved machinery. Another testimony to the wisdom of tariff protection to our manufacturing industries.

The new addition to the works of the B. F. Sturtevant Co., Boston, Mass., which was designed to meet the requirements of its rapidly growing electrical department, is already overcrowded, although completed only a few months ago. Numerous special orders for electric fans and generating sets for the Navy Department are being filled, and the construction of a complete line of enclosed motors of new design is now under way.

The Department of Public Works, Ottawa, has awarded to Messrs. Honey & Smith of Ottawa, a contract to construct a \$30,000 wharf at North Bay, Antigonish county, N. S.

The Magic Grater Co. is being incorporated in British Columbia, with a capital

stock of \$15,000 and head office at Kamloops, to manufacture the Magic vegetable grater.

Messrs. T. McAirt & Co., St. John, N. B., will establish a branch of their hardware manufacturing business at Sydney, N.S.

The town of Tottenham, Ont., has voted a bonus of \$15,000 to Mr. Steele, of Montreal, for the erection of a furniture factory in which not less than fifty hands will be employed.

The outlook for next season's supply of binder twine is somewhat uncertain. Stocks of raw material at the different factories throughout the Dominion, excepting the Central Prison, are almost exhausted. The great bulk of the hemp comes from Manila. Should the present blockade in the Philippines continue during next summer the supply from other sources will probably not be sufficient to meet the demand. Since the blockade commenced the price has risen rapidly. If it be removed soon the price will likely take a sudden drop, there being, it is said, an immense amount of hemp in the Philippines ready for shipment. The present supply is imported from Great Britain.

J. M. Deagle of Cataract, Ont., has placed his order for a complete electric light plant for the town of Erin, Ont. with the Royal Electric Co. The order includes a 30 k.w. alternator and 300 light capacity in transformers.

A telegram from Watertown, N. Y., states that Col. J. T. Outterson and associates have recently purchased a tract of 160,000 acres of spruce lands in Bonaventure County, Que., upon which they will erect extensive pulp mills. The property fringes the shores of Challeurs Bay and

Restigouche Harbor, in the Gulf of St. Lawrence, 200 miles east of Quebec. Numbers of large streams flow through this vast tract, down which the logs will be floated to the bay and harbor. On the shores of the bay there will be erected a sulphite mill with a capacity of ninety tons of fibre every twenty four hours. This fibre will be turned out especially for the European trade, particularly for that in England, ships being loaded at tidewater direct for Europe. The papers having been already signed the work of erecting the mill will commence without delay. It is probable that the company will be called the Bay Challeurs Sulphite Fibre Company.

The Dodge Mfg. Co., of Toronto, have fitted up the new works of the Office Specialty Mfg. Co., at Newmarket, Ont., supplying the entire outfit of shafting, hangers, pulleys, mule shafts, friction clutches, belting, etc., including all mill-wrighting, laying out of the power transmission machinery, etc.

The Kingsville Electric Light Co., Kingsville, Ont., are increasing the capacity of their incandescent plant by the addition of a 75 k.w. alternator the order for which has been placed with the Royal Electric Co.

Mr. H. Corby, Belleville, Ont., has placed an order with the Royal Electric Co. for a 100 light direct current generator.

The B. F. Sturtevant Co., of Boston, Mass., reports an increase of nearly forty per cent. in the volume of its business for 1899 over that of the previous year. The shipments, both foreign and domestic, included fan blowers for all purposes, heating, ventilating, drying and mechanical draft apparatus, engines, electrical apparatus, etc. During the past year an addition covering 20,000 square feet has been made for the

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