The Canadian Architect and Builder

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ILLUSTRATIONS ON SHEETS.

MAY, 1905.

No. 17 Elm Avenue, Toronto-Messrs. Chadwick & Beckett, Architects. View of Ingle.
Ground Floor Plan.
First Floor Plan. Church of St. Peter and St. Paul, Fall River, Mass.—Messrs. Cram, Geodhue & Ferguson, Architects. Concrete House of Mr. Charles A. Matcham, Allentown, Pa.

ADDITIONAL ILLUSTRATIONS IN ARCHITECTS' EDITION.

Mr. Kivas Tully, I. S. O., Late Architect to the Province of Ontario. Side Door of Verona Cathedral.

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OUR VANCOUVER OFFICE.

The publishers of this Journal have recently established an office in Vancouver for the purpose of looking after more carefully the interests of subscribers and advertisers in British Columbia. This office is located at 536 Hastings Street, Suite 3, opposite Molson's Bank, and is in charge of Mr. G. A. Gall, who will be pleased to meet any of the friends of this Journal, and to serve their interests in any possible way.

The School of Architecture at Atelier at Columbia Columbia University is adopting the French method of in-University struction, as an addition to its course. Two architects of distinction-Mr. C. F. McKim and Mr. Thomas Hastings—have been appointed as professors to conduct an atelier for the study of architectural problems.

The Princess of Wales, when she visited Canada in 1901, was Statuary Marble in Hastings Co. given some specimens of stones which had been got and polished by the Dominion geologist. It occurred to her, after returning to England, that a Canadian industry ought to arise where there were such stones. Eventually-it is hard to pick out the facts from the gush of an interviewa Scotch geologist, who was struck by a specimen of white marble, appears to have come out and found a hill of statuary marble. There is also sodolite (a decorative blue stone) and green and white building marbles. The ground is all bought with English money, and the purchasers promise to establish quarries for the building market. Their idea is to compete with the Belgian market, for which purpose, since labor is cheap in Belgium, they must expect to produce cheaply, and perhaps Ontario will find an opportunity for beautification at small cost with her

own material.

The Times, in a special article

The Reduction of by William C. Unwin, F.R.S., Niagara on the subject of the Niagara water power, makes calculations which indicate that this generation is likely to see the water going over the Falls reduced to little more than half what it might be. The total utilization of power now projected amounts to 650,000 h.p. The Times correspondent says, "The whole of the machinery for this development may not be erected for some time, but that great confidence is felt that it will be required may be inferred from the fact that very costly head works, wheel pits and tail races are being constructed for the full projected amount of power." In view of this prospect Mr. Unwin makes the following calculations: "The mean flow of the Niagara river is about 222,000 cubic feet per second. Suppose, what is about true, that 150,000 h.p. are now daily utilized. that the mean available fall is 160 ft., and that the efficiency of the turbines is 0.75. Then the daily demand for water is 11,017 cubic feet per second. which is 5 per cent. of the mean flow, or 6% per cent. of the minimum flow. But if 650,000 h.p. are utilized the demand for water will be 47,740 cubic feet per second, or 211/2 per cent. of the mean flow and 30 per cent. of the minimum flow. Obviously, if no alteration of the falls is at present perceptible,