The Canadian Architect and Builder

Vor. XVII.—No. 196.

APRIL, 1904.

ILLUSTRATIONS ON SHEETS.

House in Delaware Avenue, Toronto.—R. J. Edwards, Architect.
House in Chestnut Park, Toronto.—Langley & Langley, Architects.
Stable.—Beaumont Jarvis, Architect.
Banking Room, Bank of British North America, Toronto.—Burke & Horwood, Architects.

ADDITIONAL ILLUSTRATIONS IN ARCHITECTS' EDITION.

Portion of Main Facade, Palazzo di Brera, Milan.—Measured and Drawn by Mr. Cecil Burgess.

ILLUSTRATIONS IN TEXT.

Views of Toronto Fire.

Editorial CONTENTS The Toronto Fire Province of Quebec Association of Architect By the Way A New Flooring Material Lessons from the South Kensington Museum The Fink Roof Truss by Graphical Statics Montreal Correspondence 67-68 Mechanics' Lien Law Personal 70-71-72 Arbitration of Trade Disputes

SPECIAL CONTRIBUTO S.

MR. W. A. LANGTON, Architect, London, Eng. "EDMUND BURKE, "Toronto.

W. A. LANGTON, Architect, London, Eng.
EDMUND BURKE, "Toronto.
S. H. TOWNSEND, "
Prof. Percy E. Nobbs, Montreal.
FREDERICK G. TODD, Landscape Architect, Montreal

W. H. ELLIOTT, Toronto.
A. F. DUNLOP, R.C.A., Architect, Montreal.
FRED. T. HODGSON, Architect. Collingwood, C.

Another Combine,

the near future.

The manufacturers of builders' hardware in the United States are reported to have been classified whereby all the designs have been are reported to have come to an classified and priced. It is said that the better goods are to be advanced from 25 to 50 per cent. at once, and that that a 10 per cent. advance on all goods is slated for

Students' Competition, tects and architectural students A considerable number of archibition at our Montreal office of drawings submitted in Our recent students' competition. Drawings submitted in future competitions will in like manner be exhibited in M in Montreal, in the hope that they may awaken interest and a spirit of emulation among students of architecture in that city.

The Law Affecting Architects and contractors, esArchitects and pecially those who now or in the Contractors. erection of buildings in the Province of Quebec, may with Profit read the series of lectures by Mr. J. S. Arch: Archibald delivered before the P.Q.A.A., publication of which. which is commenced in the present number. These lectures deal in a very clear and concise manner with the legal responsibilities of architects and contractors under the Civil Code of the Province of Quebec.

The Study of Building remark of a young architect We were much struck with the he was preparing for some new houses, that he

had r c visited the site and did not know its exact location on the street. We wondered how far these houses when built would prove satisfactory to the owner and future occupants. Architects young and old should bear in mind that a careful study of the site is the first requisite to the production of a successful building, and is therefore a duty which they owe to themselves as well as to their clients.

Cement

Several articles are in course of preparation for our May number treating of the physical proper-

ties of cement, methods of cement testing and using cement in construction. Particular reference will be made to methods of reinforcing concrete with steel. In view of the truly wonderful progress which is taking place in the use of cement for construction purposes and the certainty that the material will come into more general use in the future, a consideration of the subject at some length in these columns seems advisable and likely to be of interest and value to our readers.

Safety From Frost.

The experience of last winter should lead to the adoption by Toronto architects, engineers

and contractors of a new formula to govern the depth to which foundations should be carried in order to escape frost. The practice until this year was to regard 3 feet 6 inches as the utmost limit of depth necessary to ensure safety. This theory has been dispelled by the extreme frost of last winter, which in some instances caused pipes to freeze at a depth of five feet below the street surface. In Montreal,