JOVRNAL ROYAL ARCHITECTVRAL INSTITUTE OF CANADA



JULY, 1931

VOL. VIII. No 7 TORONTO

MADE IN CANADA

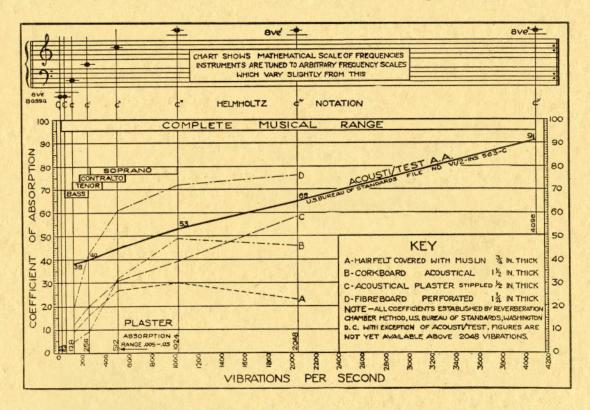


Acoustical Correction for Audience Chambers SOUND SUPPRESSION

for working or business spaces and in other inclosures

Where Quiet is Desired

Acousti/Test insures uniform acoustical efficiency over the entire audible pitch range. No longer is it necessary to tolerate "make-shift" treatments where they do not conform with desired detail and design.



Consultant service is offered to architects and engineers interested in a system of acoustical correction. Write for sample and list of completed installations.

INTERNATIONAL FIBRE BOARD LIMITED, OTTAWA, ONTARIO

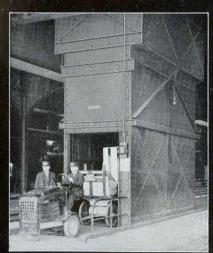
Note: In the United States Acousti/Test is applied under the name of ABSORBEGE by the Acoustical Corporation of America and is protected by Patents.

July, 1931

When truck approaches elevator, doors automatically open.



When truck enters elevator, doors automatically close.



When truck leaves elevator, doors automatically close.

BRANCHES

Winnipeg Quebec Ottawa Toronto

Vancouver

Montreal Windsor Kitchener Regina

Saskatoon Edmonton St. Catharines Calgary
London Saint John, N.B. Halifax Victoria

TORONTO TERMINAL ELEVATORS ATTRACT PROFESSIONAL ATTENTION

MANY architects, chief engineers and contractors from the United States, and from Europe as well, have stopped off at Toronto to see the new freight elevators in operation at the terminal there. These 28 elevators recently installed by the Otis-Fensom Elevator Company Limited, are of the geared type equipped with their exclusive auxiliary micro floor levelling feature.

Each elevator has an entrance at both ends protected by a metal clad hatch door at each landing.

Built into each end of the elevator car is a movable floor section which depresses with the weight of the truck and makes an electric contact.

At each landing a similar movable floor section establishes an electric contact under weight of the truck.

As a loaded truck approaches the elevator the movable floor section is depressed, and the elevator doors automatically open. The truck enters, the movable car floor section is depressed, and the doors automatically close.

The only manual effort required in the operation of the elevators is the simple pressing of a button placed conveniently to the operator, at each end of the car, the pressing of which causes the elevator to ascend or descend as required. When the car reaches a landing both hatchway doors open automatically. The truck rolls out of the elevator, clears the movable section of the floor, and the doors close

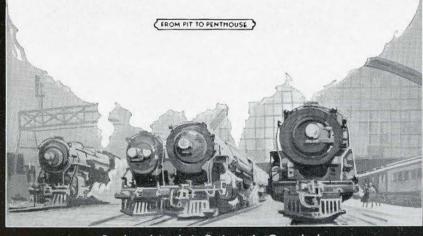
A load placed on the movable or control section of the landing brings the empty car to that landing and automatically opens the doors.

The minimum weight required to depress any of the movable platforms is 150 pounds.

No car can move until the hatchway doors are closed and locked

Each car has capacity to carry 8000 pounds at the rate of 85 feet per minute

There are other automatic features about these elevators that are worth study. They embody the most progressive ideas for safety and efficiency in freight elevators that have ever been worked out.



Produced in their Entirety in Canada by

ELEVATOR COMPANY OTIS-FENSOM LIMITED

Head Office and Works - Hamilton, Ontario

Here is Another Reason Why INDIANA LIMESTONE is the Builder's Choice ...

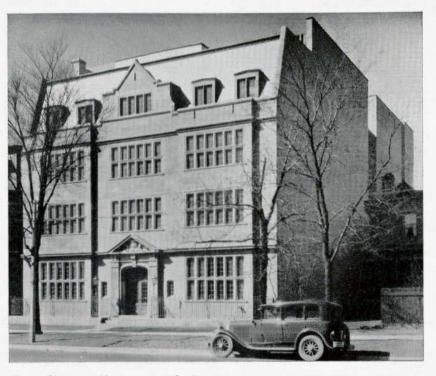
THE DIGNIFIED CHARM OF THIS IMPERISHABLE STONE JUSTIFIES ITS WIDE POPULARITY

The new Oxford Press building in Toronto is a fine example of the enduring beauty made possible in building construction by the use of Indiana Limestone.

Indiana Limestone is the ideal building material for permanence and beauty. Its ease and speed of fabrication allows substantial savings as compared with other types of stone. Time but adds a mellow dignity to its rich beauty.

It is interesting to note that of the many impressive new structures which are making Toronto truly the "Queen City" of Canada, the greater proportion are built of this fine-textured stone. The larger volume of building made possible by the lower price of Indiana Limestone means more work for Canadian architects and the great mass of workers employed on construction jobs in Canada.

Indiana Limestone is fabricated entirely in Canada. It is imported in rough blocks, from which the government collects revenue in duty. It is fabricated entirely in Canada. Over eighty per cent. of its final cost is spent in this country, in transportation over



Canadian railways and in wages to Canadian workmen.

Write us for booklet giving full information on the use of this fine-grained, light-coloured stone in building or remodelling. OXFORD PRESS BUILDING University Avenue Toronto, Ont.

Architects: Messrs.Sproatt & Rolph Toronto

Cut Stone Contractors: Scott Brothers, Toronto



FOR HOMES
AS WELL AS
LARGE
STRUCTURES

INDIANA LIMESTONE COMPANY OF CANADA, LIMITED

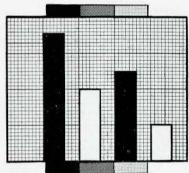
TORONTO and MONTREAL

Representing

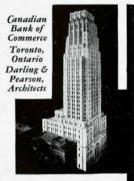
BLOOMINGTON LIMESTONE COMPANY

OMICRON

gives extra strength to concrete floors



Many laboratory tests prove the added strength Omicron gives to cement mixes



Stronger Floors because Masterbuilt

ONCRETE Technologists say: "Add to the strength of concrete floors and you add endurance plus wear resistance."

Master Builders Research Laboratories say: "Add Omicron to concrete floors and you substantially increase both tensile and compressive strength."

The Robert W. Hunt Company Laboratories say: "Our tests show that Omicron permanently increases tensile strength 10.6%; compressive strength 23.3%."

Omicron—the discovery of Master Builders Research Laboratories—(a) gives permanent extra strength; (b) checks the disintegrating action of corrosion; (c) permits the practical use of a low-water-cement-ratio; (d) insures a harder, denser floor finish.

A Master Builders Omicron-containing hardening or coloring treatment reinforces concrete floors against abrasion and corrosive disintegration; renders them dust proof and water-proof. Masterbuilt floors give years of added service; keep "cost per square foot per year" at bed-rock.

In three years over 43,000,000 square feet of concrete floors have been doubly protected with Omicron. This convincing evidence of the acceptance given to the Omicron principle once more confirms Master Builders' leadership in the protection and decoration of concrete.

May we send you the detailed story of Omicron, together with laboratory and field evidence of the resultful service Omicron renders in increasing the use and appearance values of concrete floors?



Atlanta City Hall Atlanta, Georgia C. Lloyd Preacher & Co., Architects Enduring Masterbuilt Floors

A Master Builders representative will bring you facts on methods and products developed out of 21 years of research and study; will speak to you out of the broad experience gained with over 550,000,000 square feet of Master-built Floors. He will be of helpful service to you.

The

MASTER BUILDERS Co., Ltd.

MONTREAL and TORONTO

Factory: TORONTO

Sales Offices in all Principal Cities





MASTER BUILDERS
HARDENED CONCRETE FLOORS



C-I-L PAINT PRODUCTS

Du-Lite Interior Gloss

New Process Paint Trim and Trellis Finishes
Cilux Flow Kote Enamel
Muraltone Wall Finishes Floor and Dado Enamel

Genuine DUCO

We invite your inquiry about C-I-L paints, varnishes, enamels, Duco and other finishing materials.

makes them especially worthy of your specification. Out of every necessary test in the laboratory and in the field come the formulas for all

C-I-L finishes and unvarying uniformity of production thereafter. Pre-testing establishes the

competence of Canadian Industries Limited to

give you products that beautify your design

and protect it for a longer time.

CANADIAN INDUSTRIES LIMITED



PAINT & VARNISH DIVISION

Factories: TORONTO - REGINA

Branches: HALIFAX MONTREAL WINNIPEG CALGARY VANCOUVER



Lengthening the Shadow of the Dollar



Jenkins Valves are always marked with the Diamond

Fig. 300

Quality is the best bargain you can buy. If you contemplate valve purchases this year, plan to make your valve dollar last, make it throw its shadow over a longer period.

In hotels, factories, office buildings, institutions all over Canada, Jenkins Valves are rendering efficient, troublefree, economical service.

How much you get for your money, how long a shadow each dollar throws, depends upon the valves you install. There are, of course, valves which cost less than Jenkins in the beginning, but none which cost less in the end.

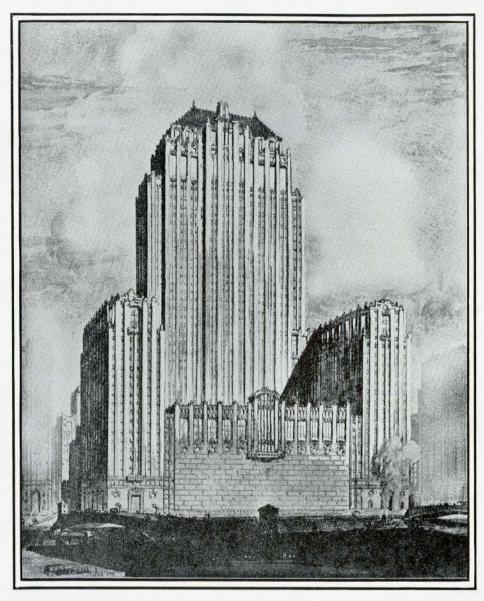
Jenkins make nothing but valves, and have behind them over 60 years of experience. A lengthy shadow of value is thrown from every dollar you invest in Jenkins Valves.

Jenkins Bros. Limited, 617 St. Remi St., Montreal

Jenkins Valves

BRONZE · IRON · STEEL

MADE TO GIVE MAXIMUM SERVICE



20 WACKER DRIVE, CHICAGO HOME OF CHICAGO'S CIVIC OPERA SERVED BY 34 WESTINGHOUSE ELEVATORS

WESTINGHOUSE

Inductor Floor Levelling Control and all other patented Westinghouse elevator equipment is obtainable in Canada with Turnbull Elevators exclusively.

TURNBULL ELEVATOR Company Limited

TORONTO

Vancouver Edmonton

Calgary Regina

Winnipeg Quebec

Windsor Hamilton Montreal

Ottawa

Saint John Halifax Port Arthur





Architect—John S. Archibald Associate—John Schofield

General Contractor Foundation Co. of Canada

CHATEAU LAURIER, OTTAWA

View showing the Ball Room Lobby Entrance. Tread's in Hauteville and walls in Rippes d'Ore. All marble supplied and erected by us.

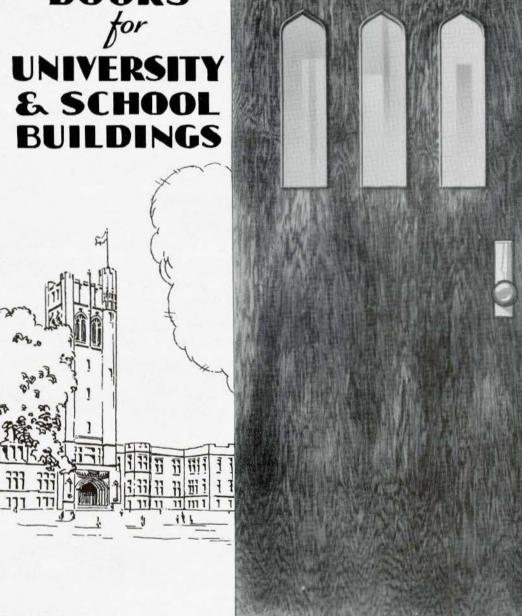
Drop in and see the beautiful marbles on display in our new showroom. We shall be glad to assist in estimates.

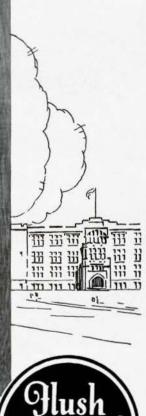
Geo. Oakley & Sons, Limited

OFFICE AND PLANT
355 LOGAN AVE., TORONTO
TELEPHONE GLADSTONE 2464



FLUSH VENEERED **DOORS** for

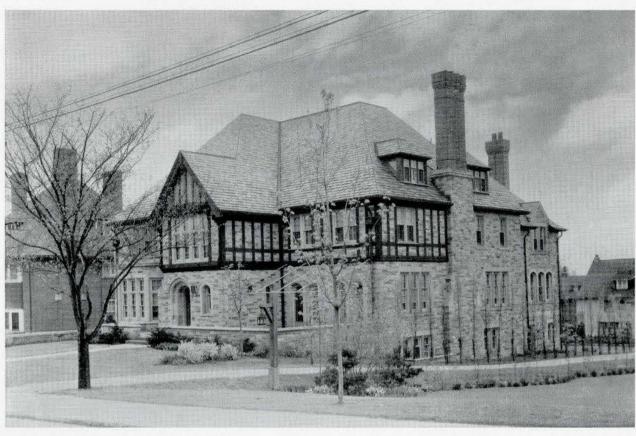




WESTERN UNIVERSITY LONDON CHOSE DOORS

Made by HAY& CO. Limited Woodstock, Ontario





Owner: Mr. L. J. Harrington

Architect: D. E. Kertland

Radiation Reduced --- Comfort Added with Armstrong's Corkboard

Heating engineers agree that insulation with Armstrong's Corkboard warrants a substantial reduction in radiation. And the experience of their clients proves the correctness of their counsel. Rooms which are cool in summer and warm and cozy during the severest winter weather bring the declaration from owners of Armstrong insulated houses that they enjoy absolute comfort in all weathers.

Absolute comfort can be your experience too, if you insulate with Armstrong's Corkboard. Its first cost is not high and is largely offset by a considerable saving in lath, as plaster clings tenaciously to Armstrong's Corkboard. Another saving is effected in the reduced cost of the smaller heating plant. But the greatest economy of all is that which goes

on year after year as long as the house stands—the saving in fuel.

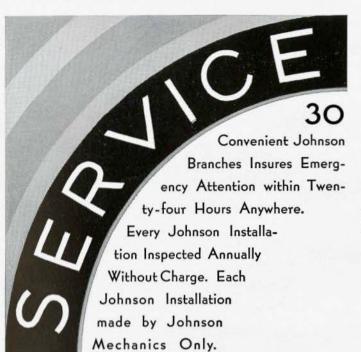
If you are planning to build, specify Armstrong's Corkboard. No other material will assure you such complete freedom from heating worries. Remember it is just pure cork, ground up, compressed and baked in sheets which can be quickly and easily nailed to joists, studding and rafters, or set in Portland cement mortar directly against masonry walls. Economy and comfort both demand the use of Armstrong's Corkboard in the construction of the truly modern home.

Armstrong Cork and Insulation Co., Limited McGill Bldg., Montreal 522 King St. W., Toronto Confederation Life Bldg., Winnipeg

Interesting literature describing Armstrong's Corkboard Insulation is yours for the asking.

Armstrong's Corkboard Insulation

A Heatproof Lining for Walls and Roofs =





Los Angeles Public Library

Bertram G. Goodhue, Architect . Associate Architect

How Plenum Heating System In Los Angeles Public Library Is Johnson Controlled

*HE Los Angeles Public Library is an outstanding modern building, using the Plenum System Of Heating, Johnson Controlled. The mixing dampers in the ducts supplying air to each room and other spacious area of the building, are controlled by Johnson Model Intermediate Thermostats opening and closing the dampers gradually, and holding the dampers partially open or partially closed for a short or long period as conditions There are also booster heaters for each duct; and these booster heaters are controlled by the same Johnson Model Intermediate Thermostats, operating the steam valves so that as the hot air damper closes the steam valves are also closed. remainder of the Johnson System installation in this building con-

sists of Johnson Duct Thermostats on the tempering and reheating coils of the building's heating and ventilating apparatus . . complete Johnson Control governing the building's condition at all times.

JOHNSON TEMPERATURE REGULATING CO. OF CANADA

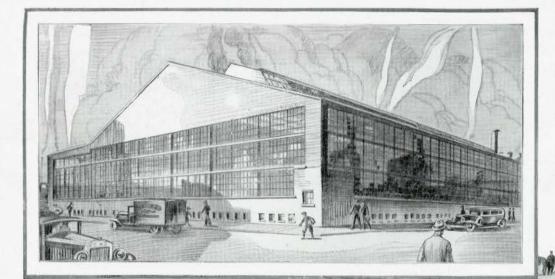
100 ADELAIDE STREET EAST, TORONTO

Albany Atlanta Baltimore Boston Buffalo Chicago Cincinnati Cleveland Dallas Denver Des Moines Detroit Greensboro, N.C. Indianapolis Kansas City Los Angeles Minneapolis New York Philadelphia Pittsburgh

Portland St. Louis Salt Lake City San Francisco Seattle Calgary, Alta. Montreal, Que. Winnepeg, Man. Toronto, Ont. Vancouver B.C.

HEAT AND





At Left:

New Crane Foundry, Montreal. Built by United Engineers & Constructors Limited, Montreal and Toronto. Roofers—Geo. W. Reed & Co. Limited, Montreal.

Below

Applying Celotex Roof Insulation Board and Murray 20-Year Built-up Asphalt Roofing over the Crane Foundry.

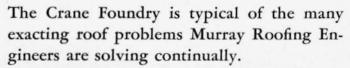
The new

CRANE

Foundry

is protected by a

MURRAY Bonded Roof



Why not consult Murray on your particular roofing requirements?

Whatever the type of building...or the type of roof that's needed (Coal Tar, Pitch and Gravel, or Asphalt) there is a Murray Bonded Roof exactly suited to the construction.



BONDED ROOFS

A Surety Bond definitely guarantees trouble-free and expense-free service over a period of 10, 15 or 20 years, according to the specification selected. Only authorized Roofers are permitted to apply Murray - Made Bonded Roofs, the entire construction being under the direct supervision of Murray engineers.

Alexander MURRAY & Company

(DOMINION TAR & CHEMICAL COMPANY LIMITED)

MONTREAL - TORONTO - HALIFAX - SAINT JOHN - WINNIPEG - VANCOUVER BUR 6



You can select pipe to suit the water

WHETHER the water be only "ordinarily" corrosive, or highly corrosive, one of the two alloys of Anaconda Brass Pipe will fill the need for dependable, durable piping.

In Dayton, Ohio...where water is highly corrosive ...Anaconda 85 Red-Brass Pipe was chosen for the Ohio Bell Telephone Building. Scientifically alloyed, and containing 85% copper — Anaconda "85" is the highest quality corrosion-resistant pipe obtainable at moderate cost.

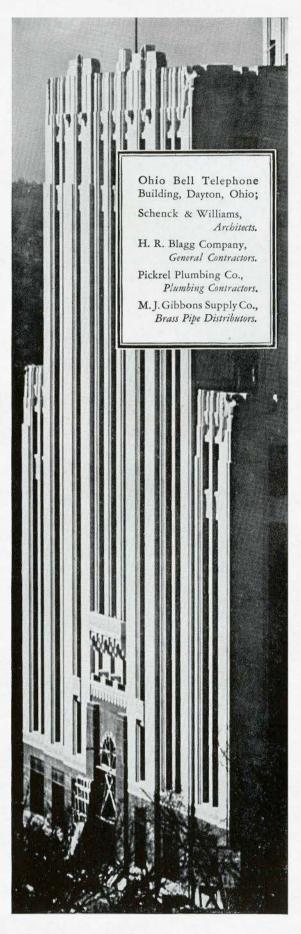
For normally corrosive water, Anaconda 67 Brass Pipe is recommended. When specifying pipe, consider that water, normally corrosive today, may be highly corrosive tomorrow—due perhaps to a new source of supply, or to a change in chemical or mechanical treatment.

Our Technical Department is equipped to cooperate with architects in determining the corrosiveness of any local water supply.

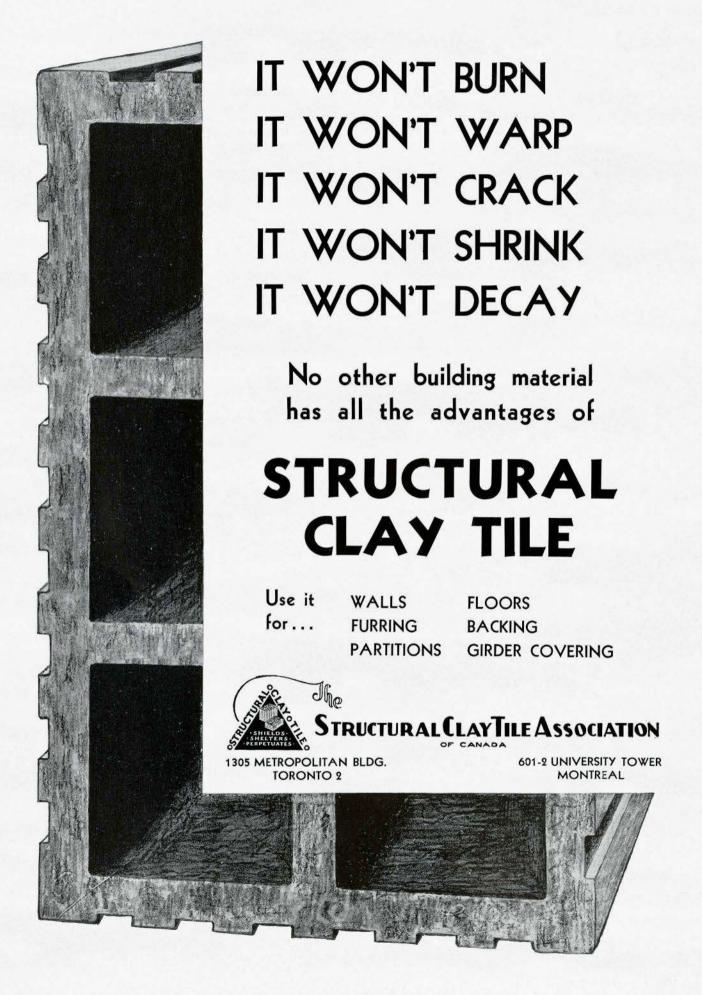
ANACONDA AMERICAN BRASS LIMITED

Main Office and Mill: New Toronto, Ont. Montreal Office: 1253 McGill College Ave.





ANACONDA BRASS PIPE



THE MOST IMPORTANT WORD IN YOUR RENTAL **ADVERTISEMENTS**

When the modern woman picks up the paper to seek an apartment, the advertisements which catch her eye are those that mention Frigidaire. She knows what Frigidaire will mean to her happiness and convenience. Other features of such apartments, she reasons, must be equally up-to-date.

It is the same when she visits the apartment for inspection. Frigidaire has the features which mean most to her. Frigidaire will prove a powerful factor in getting the signature on the lease.

But Frigidaire's profit possibilities do not stop at easier renting. Frigidaire's dependability keeps tenants satisfied—eliminating frequent vacancies and re-renting expense.

Frigidaire will help you make the greatest possible profits from those new buildings you are planning. And its installation will bring old buildings up to 1931 standards. Decide now to get the profit-making Frigidaire facts. Call in your Frigidaire man or mail the coupon for our new book especially prepared for architects and builders.

FRIGIDAIRE A GENERAL MOTORS VALUE



ADVANCED REFRIGERATION

Frigidaire Sales Corporation, Dept. 9, 35 Fraser Avenue, Toronto 2, Ontario.

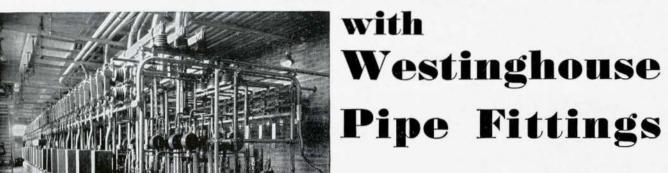
APARTMENTS

Please send me your new free book of Frigidaire information for architects and builders.

Address....

City Prov.

Strength and Powerful Grip





3000 lbs. for $1\frac{1}{4}$ pipe fittings 4500 lbs. for 2 pipe fittings



THE distance between the tips of each fitting is purposely made slightly smaller than the outside pipe diameter. As a result of this construction the tips exert a heavy pressure against the pipe sides when they are drawn into place. This construction, together with the flexible characterists of the malleable iron which is used, gives a **perfect fit** which results in great holding power when the fitting bolts are drawn into place. Westinghouse carries a complete stock of 1½" and 2" pipe fittings. The use of two sizes of pipe permits added strength where needed without sacrificing space or appearance due to doubling the number of pipes. Send for Bulletin H-7017 which gives a complete list of these pipe fittings with many hints as to the various uses to which they may be put.

CANADIAN WESTINGHOUSE COMPANY, LIMITED
HEAD OFFICE, HAMILTON, ONT.—BRANCH OFFICES AND REPAIR SHOPS IN ALL PRINCIPAL CITIES

Westinghouse

THE ROYAL ARCHITECTURAL INSTITUTE OF CANADA

627 DORCHESTER STREET, WEST - MONTREAL, QUE.

FOUNDED 19th AUGUST, 1907

INCORPORATED BY THE DOMINION PARLIAMENT 16th JUNE, 1908, 1st APRIL, 1912, AND 14th JUNE, 1929
ALLIED WITH THE "ROYAL INSTITUTE OF BRITISH ARCHITECTS"

FEDERATION OF THE ALBERTA ASSOCIATION OF ARCHITECTS; THE ARCHITECTURAL INSTITUTE OF BRITISH COLUMBIA; THE
MANITOBA ASSOCIATION OF ARCHITECTS; THE MARITIME ASSOCIATION OF ARCHITECTS; THE ONTARIO
ASSOCIATION OF ARCHITECTS; THE PROVINCE OF QUEBEC ASSOCIATION OF
ARCHITECTS; THE SASKATCHEWAN ASSOCIATION OF ARCHITECTS

OFFICERS 1931

PRESIDENT	PERCY E. NOBBS (F)	1240 UNION AVE., MONTREAL
FIRST VICE-PRESIDENT	JAS. W. HAWKER	
SECOND VICE-PRESIDENT	WM. L. SOMERVILLE (F)	2 BLOOR STREET WEST, TORONTO
HONORARY SECRETARY	ALCIDE CHAUSSE (F)	30 ST. JAMES STREET WEST, MONTREAL
HONORARY TREASURER	GORDON M. WEST (F)	43 VICTORIA STREET, TORONTO

SECRETARY, I. MARKUS, 160 RICHMOND STREET WEST, TORONTO

COUNCIL 1931

REPRESENTING THE ALBERTA ASSOCIATION OF ARCHITECTS E. UNDERWOOD (F) AND G. H. MACDONALD
REPRESENTING THE ARCHITECTURAL INSTITUTE OF BRITISH COLUMBIAS. M. EVELEIGH, JOHN Y. MCCARTER AND
REPRESENTING THE MANITOBA ASSOCIATION OF ARCHITECTSJ. HAWKER, J. H. G. RUSSELL, PP.R.A.I.C. AND A. E. CUBBIDGE
REPRESENTING THE MARITIME ASSOCIATION OF ARCHITECTSRENE A. FRECHET (F) AND H. CLAIRE MOTT
REPRESENTING THE ONTARIO ASSOCIATION OF ARCHITECTS J. H. CRAIG, J. P. HYNES, PP.R.A.I.C., B. EVAN PARRY, JAMES C. PENNINGTON, H. E. MOORE (F) , GORDON M. WEST (F) AND W. L. SOMERVILLE (F)
REPRESENTING THE PROVINCE OF QUEBEC ASSOCIATION OF ARCHITECTSALCIDE CHAUSSE (F) , E. 1. BAROTT (F) , Philip J. Turner (F) , J. Cecil McDougall (F) , Ludger venne, W. S. Maxwell (F) , P. E. Nobbs, P.R.A.I.C. and Wilfrid Lacroix
REPRESENTING THE SASKATCHEWAN ASSOCIATION OF ARCHITECTS

REPRESENTATIVES OF THE R.A.I.C. ON THE COUNCIL OF THE ROYAL INSTITUTE OF BRITISH ARCHITECTS
PHILIP J. TURNER (F), F.R.I.B.A., Montreal

DR. RAYMOND UNWIN, F.R.I.B.A., London, England

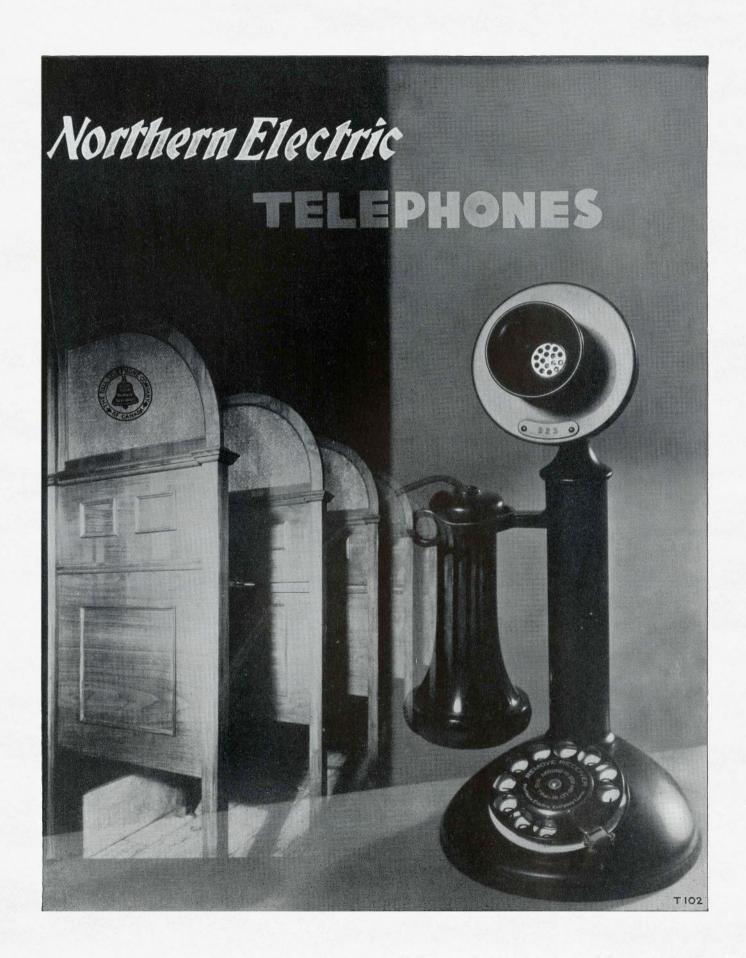
REPRESENTATIVES OF THE R.A.I.C. ON THE ALLIED SOCIETIES' CONFERENCE (R.I.B.A. PERCY E. Nobbs (F), President, R.A.I.C. Septimus Warwick, F.R.I.B.A., London, England

EXECUTIVE COMMITTEE 1931

Percy E. Nobbs (F), President; Alcide Chausse (F), Honorary Secretary; Gordon M. West (F), Honorary Treasurer; E. I. Barott (F), W. S. Maxwell (F), J. Cecil McDougall (F), Philip J. Turner (F), Ludger Venne, Wilfrid Lacroix and I. Markus, Secretary

PAST PRESIDENTS

*A. F. Dunlop, Montreal1907-08, 1908-09, 1909-10	*F. S. Baker, Toronto1910-11, 1911-12
J.H.G.Russell (F), Winnipeg 1912-13, 1913-14, 1914-15	J. P. OUELLET, Quebec 1915-16, 1916-17, 1917-18
A. Frank Wickson (F), Toronto 1918-19, 1919-20	David R. Brown (F), Montreal1920-21, 1921-22
	JOHN S. ARCHIBALD (F), Montreal1924-25, 1925
	1926, 1927, 1928



THE JOURNAL

ROYAL ARCHITECTURAL INSTITUTE OF CANADA

Serial No. 71

TORONTO, JULY, 1931

Vol. VIII No. 7

CONTENTS

NOTICE RE BASIS OF PROFESSIONAL CHARGES	255
ABOUT ARCHITECTS AND SIGNS ON BUILDINGS	255
THE MARINE BUILDING, VANCOUVER, B.C	256
THE ARCHITECTURE OF THE HOPITAL GENERAL, QUEBEC, BY RAMSAY TRAQUAIR, M.A. (HON.), F.R.I.B.A., AND G. A. NEILSON	271
AWARD OF THE W. S. MAXWELL PRIZE	283
DEPARTMENT OF ART, SCIENCE AND RESEARCH	283
ACTIVITIES OF THE INSTITUTE	284
ACTIVITIES OF PROVINCIAL ASSOCIATIONS	286
NOTES	286
OBITUARY	286
PLATE ILLUSTRATIONS	
HOTEL DE VILLE, SAUMUR, FRANCE, FROM AN ETCHING BY WOODRUFF K. AYKROYD FRONTISP	TECE
DETAIL OF MAIN ENTRANCE, MARINE BUILDING, VANCOUVER, B.C.	263
RESIDENCE OF G. W. MCLAUGHLIN, ESQ., PICKERING, ONTARIO	265
DETAIL—RESIDENCE OF G. W. MCLAUGHLIN, ESQ., PICKERING, ONTARIO	267
AND THE BUILDING FOR THE METROPOLITAN DISTRICT BALLWAY LONDON ENGLAND	260

PUBLISHED EVERY MONTH FOR THE

ROYAL ARCHITECTURAL INSTITUTE OF CANADA

Editor-I. MARKUS

EDITORIAL BOARD

Chairman: J. P. Hynes Ontario Association of Architects John M. Lyle Ontario Association of Architects PROF. JULES POIVERT Quebec Association of Architects PROF. RAMSAY TRAQUAIR
Quebec Association of Architects
ALCIDE CHAUSSE
Quebec Association of Architects
E. J. GILBERT
Saskatchewan Association of Architects
H. CLAIRE MOTT
The Maritime Association of Architects

GILBERT PARFITT
Manitoba Association of Architects
S. M. EVELEIGH
British Columbia Association of Architects
W. G. BLAKEY
Alberta Association of Architects

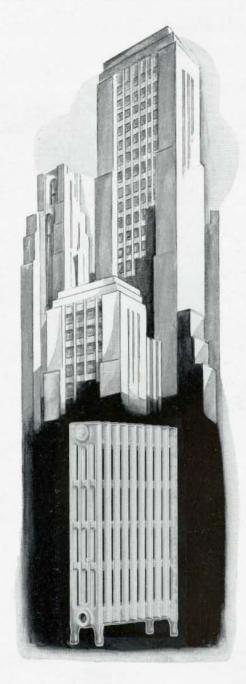
PUBLISHERS: ARCHITECTURAL PUBLICATIONS LIMITED

Publication, Editorial and Advertising Offices	
Chicago Representative	Macintyre & Simpson, 75 East Wacker Drive, Chicago
	L. Ray Nelson, 250 West 57th Street, New York
	6 Castellain Mansions, Maida Vale, London, W9, England.

SUBSCRIPTIONS

Canada and Newfoundland—Three Dollars per year. Great Britain, British Possessions, United States and Mexico—Five Dollars per year. All Other Countries—Six Dollars per year. Single Copies—Canada 50 Cents; Other Countries 75 Cents.

XX



Smartness and Better Performance in Radiation

ITH the development of modern architecture has come a demand for radiators of distinctive beauty and pleasing design.

Gurney Copley Radiators combine this new smartness with even greater heating performance features which appeal greatly to every home owner.

. . . . to the man, Copley Radiators appeal with their more efficient distribution of heat. The open spacing of tubes permits a rapid flow of air.

. . . to the woman, they appeal with their striking effect of symmetrical grace and the ease with which they can be cleaned.

Include Gurney Copley Radiators in your specifications for more comfortable homes and added home value.



THE NAME THAT REPRESENTS HEATING AT ITS BEST

T. McAVITY & SONS, Limited Saint John, N.B.

THE GURNEY FOUNDRY CO., Limited

MARSHALL-WELLS ALBERTA CO. Calgary and Edmonton, Alta.

ANDREW SHERET, Limited Victoria, B.C.

THE GURNEY-MASSEY CO., Limited Montreal, P.Q.

GURNEY NORTHWEST FOUNDRY

THE GURNEY FOUNDRY CO., Limited Vancouver, B.C.

IN THE ARCHITECTS' BUILDING, MONTREAL



Mitchell-Cutler Mail
Chutes were also
installed in the
Marine Building,
Vancouver.
Architects—
McCarter &
Nairne

BEAUTY IN SIMPLICITY

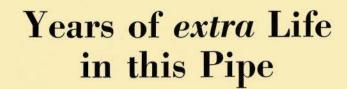
TWO pair of elevator doors and the mail box in the Architects' Building, Montreal. The latter, part of the Mitchell-Cutler mail chute system installed in the building illustrates a successful treatment in mail box design, enhancing the decorative effect. The contract for bronze work also included Entrance and Vestibule Doors and Frames, Show Windows, Office Entrance Doors, Radiator Grilles, etc.

Architects—Ross & Macdonald Contractors—Geo. A. Fuller Company, Limited

THE ROBERT MITCHELL COMPANY, LIMITED

Architectural Bronze and Iron Division
MONTREAL TORONTO

METALWORK IS ESSENTIAL TO MODERN ARCHITECTURE



Stelco Pipe gives many extra years of service because it is thoroughly scale free reducing corrosion to a minimum. Mill scale is one of the principal causes of "pitting"—but Stelco pipe is entirely free of this destructive agent and presents smooth, clean surfaces both interior and exterior thus definitely assuring a full steady flow of clean water and a much easier job of installation.

By the Pioneer Makers of Pipe in Canada

Joints that are tight and stay tight

Stelco improved couplings are made from specially prepared steel possessing extra strength and special tapping qualities. They ensure full and uniform threads—tight joints and long life to the pipe lines.





SCALE FREE

COLD STRAIGHTENED

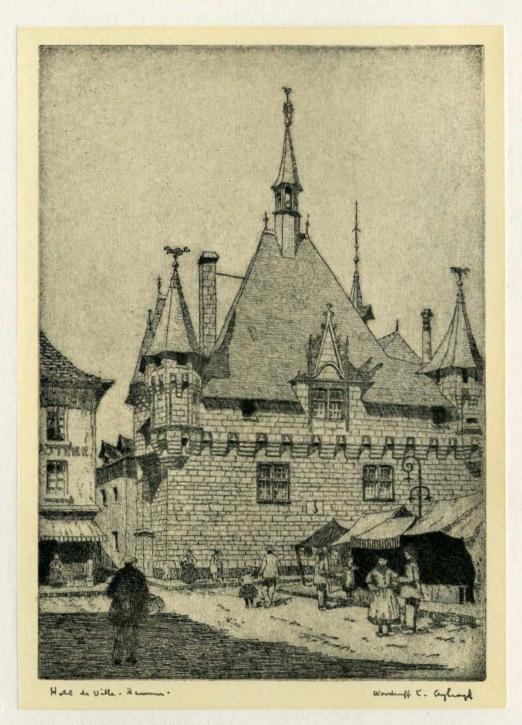
IMPROVED COUPLINGS

PIPE

THE STEEL COMPANY OF CANADA, LIMITED

HAMILTON - EXECUTIVE OFFICES - MONTREAL

SALES OFFICES: HALIFAX, ST. JOHN, MONTREAL, TORONTO, HAMILTON, WINNIPEG, VANCOUVER WORKS: HAMILTON, MONTREAL, TORONTO, BRANTFORD, LONDON, GANANOQUE



HOTEL DE VILLE, SAUMUR, FRANCE From an Etching By WOODRUFF K, AYKROYD

THE JOURNAL

ARCHITECTURAL INSTITUTE CANADA ROYAL OF

Serial No. 71

TORONTO, JULY, 1931

Vol. VIII. No. 7

Re Basis of Professional Charges

The executive committee had hoped to issue in the folder of documents one with the above title, on the lines of that discussed in draft form at the last annual meeting, but it has been found that the requirements of the various component societies in this connection are still too far apart to make this possible or desirable at this time. The schedule of charges of the O.A.A. is now under revision consequent on the passing of a Registration Act in that province. The schedule of the P.O.A.A. is receiving consideration with a view to modification at an early date. One of the western component societies deprecates any upward revision of general application at this time.

The executive committee therefore contents itself with the observation that it is desirable to issue a document setting forth (a) that the legal minimum charges in each province are determined by orders-in-council or the by-laws of component societies, (b) that the general scale of charges usually applicable (taking account of British, American and Canadian practice) is so and so, and (c) that the proportion of the basic fee for full services chargeable at various stages of the work, or chargeable for partial services is so and so. Furthermore the executive committee is of opinion that all component societies of this Institute would be well advised when revising their schedules of charges to seek modifications tending towards a greater uniformity than at present exists.

It is suggested that on the occasion of the next annual meeting a full discussion of this question should take place and that each component society should be prepared on that occasion to furnish

its considered views on the subject.

(Signed) PERCY E. NOBBS, P.R.A.I.C. Chairman of Committee on Professional Usages.

About Architects and Signs on Buildings

The following article is one of a series covering various points of architectural practice and is sponsored by the "Public Relations" Committee of the R.A.I.C.

OTTON, the sign painter was retreating from Crather a brusque interview with the OLD 'UN, when he met the Bright Young Architect on the stairs and unburdened himself forthwith.

"Your partner has just told me he won't have any signs on the Belle-Aire Apartment job, is he right or is the specification right when it says 'signs must be to the approval of the Architects?' The general contractor ordered the sign and told me to put your name on it without charge, sign up the sub-

contractors for space, and design it to suit you."
The B.Y.A. smiled, hesitated, and replied. "Well the Old Man isn't very partial to signs, but I'll take it up with him and let you know."

"Cotton, the sign man, saw me about the signs on

the 'Belle-Aire' job," remarked Stanley to the Old 'Un by way of opening up the subject.
"Well, what of it," grumbled the Old 'Un. "I told him if we wanted our name on the job we would put it on ourselves."

"Did you mean not to allow the contractor to put up any signs at all?" questioned the B.Y.A.

It was a hot day and the Old 'Un was irritable.
"That's what I'd like." he snapped. "Anybody who walks around this country and looks at the 'billboards' they put on the new buildings, gets the impression that the contractor is the authority and source of all building knowledge. Architects sometimes draw a free mention among the electricians and plasterers and things. It seems to me unless we appear as important on any signs as the contractor we had better not be mentioned at all, and anyway I don't like these display methods."

"I don't just see what you are driving at." said

the B.Y.A.

The Old 'Un still irritable, pulled out his pencil and sketched out the following:

BELLE-AIRE APARTMENTS

JOHN JONES CONSTRUCTION COMPANY Smith & Smith-Architects Plumber Bricks Boiler Floors Lumber Stoves

"How on earth can folks keep on year in and year out looking at that sort of a sign and continue to imagine the architect as the heart of the job, and the owners representative, I can't see."
"There's a lot in what you say," replied Stanley,

"But we won't be very popular if we issue a 'No Sign' edict. I think the owner will expect signs. Perhaps there is some other way of doing them so the inference would be more favourable to us.

He hesitated a moment, contemplating the Old 'Un's sketch then hastily scribbled under it.

BELLE-AIRE APARTMENTS SMITH & SMITH—ARCHITECTS

Јон	N JONES C	CON	ST	RUG	CTION	Сом	P.	11	N.	7
		*		202		120	*			•
		23				34	9	4		

The Old 'Un took a look at it, and grunted something to the effect of "That's better anyway," Stanley caught the weakening in his voice and followed it up quickly, "Shall I get Cotton to fix

it up something like that, and let it go?"
"I suppose so," grunted the Old 'Un grumpily, and in a far from satisfied voice he added, "But it's not right yet and don't neglect to see that the whole thing is decently designed and lettered.'

There can be no doubt that a constant repetition of Architects' names on construction works will eventually create in the public mind the idea that architectural service is a necessary and normally used thing. Equally the constant omission of any mention when nearly everything else is noted tends to minimize the importance of architects.

The way names are displayed has an important psychological and indirect effect on the beholder, which should not be overlooked and which certainly justifies architects in devoting some thought to this aspect of their "Public Relations."



VIEW OF THE MARINE BUILDING FROM THE CITY

The Marine Building, Vancouver, B.C.

McCarter & Nairne, Architects

THE idea of erecting a building in Vancouver to house companies engaged in the ever-increasing shipping industry of this growing Pacific port, culminated last fall in the completion of the tallest office building in Western Canada.

The commanding site selected for the building, appropriately named the Marine Building, is worthy of appreciation situated as it is at the junction of Hastings and Burrard Streets, overlooking the harbor and Stanley Park, and located

in close proximity to the Emigration Buildings, Customs Houses, and the Canadian Pacific and Canadian National Steamship Terminals. The site has also provided the architects with an opportunity to develop a design with tower portion and main entrance centred on Hastings Street, one of the City's principal business thoroughfares.

The building in its architectural conception suggests some great crag rising from the sea, clinging with sea flora and fauna, tinted in sea-green, touched with gold, and at night in winter a dim

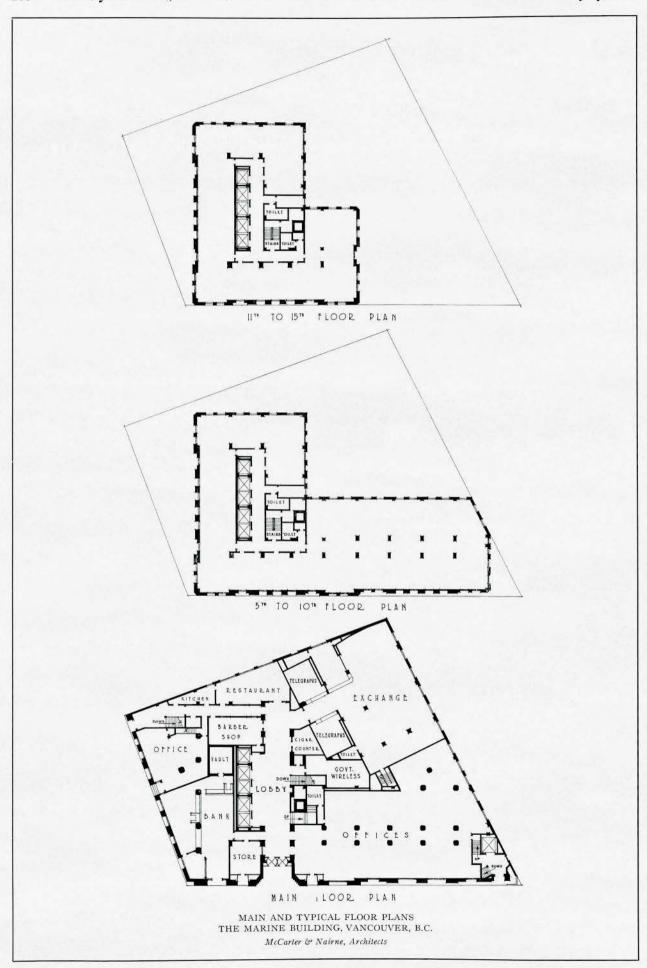


ARCHITECTS' DRAWING OF THE MARINE BUILDING

silhouette piercing the sea mists. This towering mass dominates Vancouver's great harbor and is indeed a noteworthy addition to the city's rapid progress. Rising from the sidewalks of Hastings and Burrard Streets, to a height of 304 feet, the view from the observation gallery on the twenty-first floor level is most inspiring. South and east, over the city to the great delta of the Fraser River, to the north, a splendid view of the snow-clad peaks of the Coast Range, and the vast harbor, lined with shipping wharves, grain elevators and warehouses, and to the west the Gulf of Georgia with the mountains of Vancouver Island a hundred miles away.

The building is designed in a modern treatment unique in character, and is of steel construction with concrete floor slabs and curtain walls. The base course is of dark grey granite with a ribbon of sand-blast ornament at the top. Plain terra cotta blocks in ashlar on the lower floors are pleasingly relieved by the introduction of decorative panels depicting the submarine, the ship, the train, the airship and aeroplane. Running the full length of the building is a deep frieze with wave ornament and sea horses amongst marine flora.

The main shaft of the structure is built in buffcolored brick and the copings crowned with terra cotta, ornamented with marine growth and life. In fact, the "tout ensemble" of the design adequately expresses the manner of business housed within its walls, firms engaged in import and export trade, shipping, lumber, insurance, etc.



The massive entrance, executed in terra cotta shows the golden sun setting in the west with a ship entering the harbor in the foreground, typifying Canada's commercial gateway to the Orient. Of particular interest is the story told in the mural panels on each side of the arch, beginning with the the story of the age of steam, beginning with that sturdy little craft, the "Beaver," 1835, which came to grief on the rocks near Prospect Point. Then we have H.M.S. "Egeria," a ship which made many surveys of the British Columbia coast in 1898. Now we come to the present age of the



VIEW OF THE MARINE BUILDING FROM THE WATERFRONT

early days of 1577 when Drake in his "Golden Hind" sailed the Pacific. It was many years later in 1775 when Quadra the Spaniard visited this coast; his ship was the "Sonora." About this same time Cook, on the "Resolution," made further settlements, Nootka Sound in particular. Finally we have the famous Vancouver on his "Discovery," who, in 1792, laid the foundation of this great city. This is the romance of the sailing ship. On the right hand side of the entrance arch we next have

Canadian Pacific liner, the early "Empress of Japan" which, for many years, plied her way across the Pacific to the Orient, until she is now replaced by that magnificent ocean liner bearing the same name. These panels depicting the aforementioned vessels, beautifully modelled, form a lasting monument worthy of the province.

With a base area of 21,000 square feet and a rentable floor area of 151,200 square feet, the

building extends four floors down to the Canadian Pacific Railway track level on the north side, the height of the building on this front being 348 feet. On the lower basement floors are located the heating, ventilating and electrical equipment, also storage space and necessary toilet accommodation for these lower floors.

The ground floor is approached through the massive entrance on Burrard Street with the

the signs of the Zodiac as a central feature.

Adjoining the main concourse is the Merchants' Exchange equipped with every modern appliance necessary for the administration of such a business. The design and general color scheme is refreshing in its simplicity. A feature in the floor covering being the compass point oriented to the true north.

Vertical transportation is provided by five selflevelling push-button control elevators of the most



MERCHANTS' EXCHANGE IN THE MARINE BUILDING

revolving bronze doors, exquisitely detailed and of beautiful workmanship, to the spacious main concourse, striking and impressive in its grandeur, 90 feet in length and 34 feet in height, cathedral-like in atmosphere. The walls are finished in tile of green and blue tints suggestive of the sea, the ceiling is beamed and delicately decorated in antique finish. It is pleasingly illuminated by subdued lights concealed behind ships' prows projecting from the richly decorated walls. The finish and design of the floor of cork composition is of great interest, modernistic in character, with

modern type, travelling at a speed of 750 feet per minute. The design and workmanship of the cast bronze doors is outstanding, and the interiors of the cars, finished as they are in black walnut panelling inlaid with other hardwoods, are perhaps one of the most interesting features of the interior of the building.

The heating of the building is by differential control, with two boilers, each with a capacity of 1,729 square feet of heating surface. Rotary crude oil burning equipment is installed on heating and hot water supply boilers.



ENTRANCE CONCOURSE
THE MARINE BUILDING, VANCOUVER, B.C.
McCarter & Nairne, Architects

All offices are well lighted and have been provided with an abundance of electrical convenience outlets.

The office floors are covered with battleship linoleum and the corridor floors are covered with cork tile in tasteful design. This has the practical advantage of eliminating noise, so important in an office building. Toilet accommodation with colored plumbing fixtures and floors and walls of colored

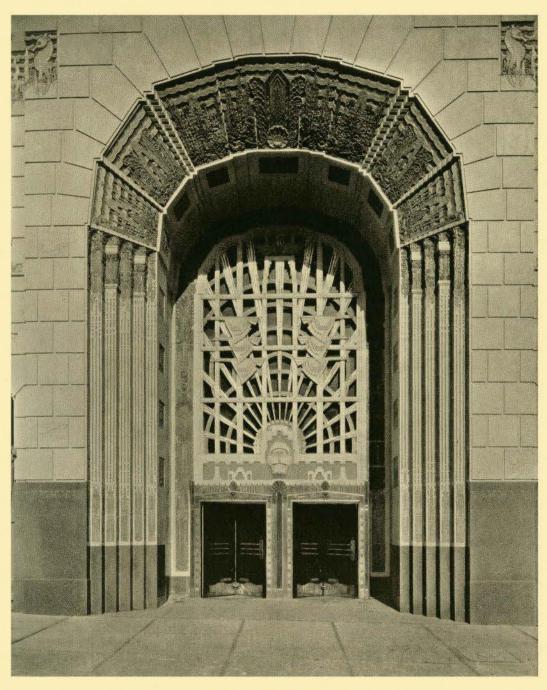
tile has been provided on each floor for both men and women. The woodwork throughout the buildis of mahogany and the hardware is of modern design in solid bronze.

The architects for the Marine Building were Messrs. McCarter & Nairne and the general contractors, Messrs. E. J. Ryan Contracting Co. Limited of Vancouver.

-McC. & N.



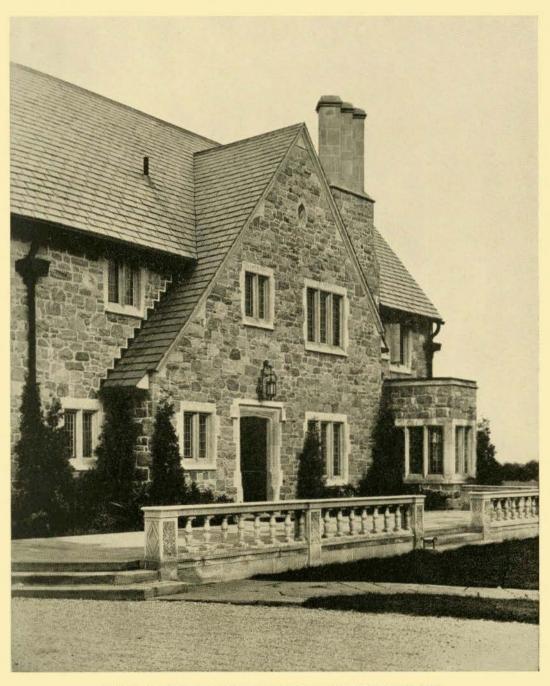
DETAIL OF ELEVATOR DOORS THE MARINE BUILDING, VANCOUVER, B.C. McCarter & Nairne, Architects



DETAIL OF MAIN ENTRANCE THE MARINE BUILDING, VANCOUVER, B.C. McCarter & Nairne, Architects



RESIDENCE OF G. W. McLAUGHLIN, ESQ., PICKERING, ONT.
Sproatt & Rolph, FF.R.I.B.A., H. Carter and C. B. Sproatt, Architects
(Shown at the Toronto Chapter Exhibition of Architecture and Allied Arts—1931)



DETAIL—RESIDENCE OF G. W. McLAUGHLIN, ESQ., PICKERING, ONT.

Sproatt & Rolph, FF.R.I.B.A., H. Carler and C. B. Sproatt, Architects

(Shown at the recent Toronto Chapter Exhibition of Architecture and Allied Arts—1931)



NEW OFFICE BUILDING FOR THE METROPOLITAN DISTRICT RAILWAY, LONDON, ENGLAND $A dams, \ Holden \ \ \ \ \ Pearson, \ Architects$ (Awarded the R.I.B.A. London Architecture Medal for 1929)

The Architecture of the Hôpital Général—Quebec

By Ramsay Traquair, (hon.) M.A., F.R.I.B.A. AND G. A. NEILSON

III. THE CHURCH OF NOTRE DAME DES ANGES

THE Parish Church of Notre Dame des Anges¹ in the Hôpital Général is the old church of the Recollet fathers remodelled in 1770. Before that date it had terminated in a narrow sanctuary flanked by two chapels, of which that on the south

screen to the choir, the arch to the chapel of the Sacred Heart and a single window. The features of particular interest are the tabernacle of the high altar, the altar and tabernacle of the chapel of the Sacred Heart, the retable and the wall panelling.



 ${\it Photo,\,R.T.,\,sg28}$ The interior of the church looking towards the south east

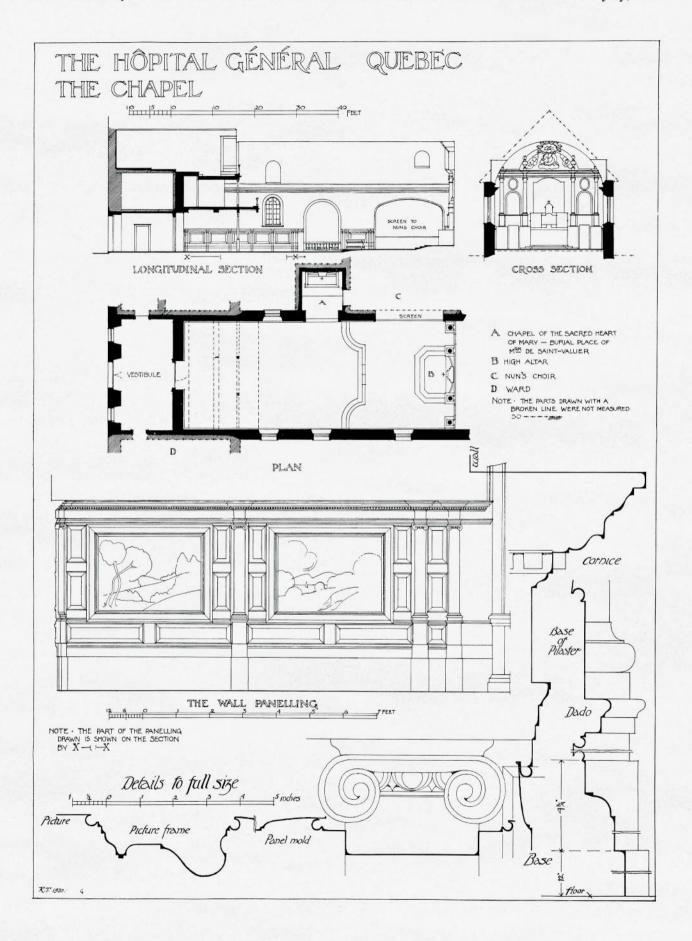
side had been made into a part of the choir. In 1770 these chapels were removed, the sanctuary was increased to the same width as the nave and the whole interior renewed. We are told that at this time there was a pulpit which stood between the windows on the north side, opposite the choir grille, but there is now no pulpit in the church.

The building is a barrel-vaulted hall 26 feet broad by 65 feet long and 26 feet high to the crown of the boarded vault. The orientation is to the west and at the east end are double galleries entered from the two upper floors. On the north side are three arched windows, on the south are the

The tabernacle of the high altar is the work of Noel Levasseur in 1722.¹ It consists of a central tabernacle surmounted by a dome and flanked by curved wings. The central tabernacle has a high niche for the monstrance, above the "custode," and is treated with doubled corinthian columns, a pedestal and an attic. This supports the dome and lantern on top of which is set an angel with a palm branch. At each side on the pedestal below the columns is a panel carved with the arms of Mgr. de Saint-Vallier, namely: (azure) a horse's head couped (or) on a chief (gules) three crosses couped (argent). Behind the shield is the bishop's mitre and crook and the whole is surmounted by a bishop's hat

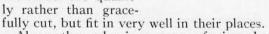
⁽¹⁾ It was elevated into a parish church in 1721. The parish now consists of only one family living in the old servant's house in the convent grounds.

⁽¹⁾ Livres de comptes vol. I, fol. 133b, and 148 b.



and tassels. The carver has given this the ten tassels on each side of an archbishop instead of the six correct for a bishop.

The curved wings have niches and a corinthian order below. In the niches stand eight little statues, probably representing the apostles and of the same date as the tabernacle. The accounts for 1722-23 note that "Vasseur, sculpteur," made four statues along with the tabernacle, "qu'il a fait de surplus," but we have no means of identifying these. There are four more little statues in the dome, evidently by another hand and more graceful and slender in proportion. These may possibly be the four made "de surplus." Those in the niches are quaint-



Above the order is a range of pierced panels, then two ranges of balusters and the usual firepots. The whole of the work is very small in scale; the



 $Photo,\,R.T.,\,\,t928$ A RELIQUARY IN THE CHURCH

pierced panels are only a quarter of an inch thick. The panel carvings have a geometrical basis with acanthus and olive foliage enrichment. In this and in general design the work should be compared with the tabernacle at Jeune Lorette which it resembles and which is probably of about the same date. It is perhaps worth noting that Noel Levasseur gave a statue to the Church at Jeune Lorette in 1729; it is just possible that he also made the tabernacle there.

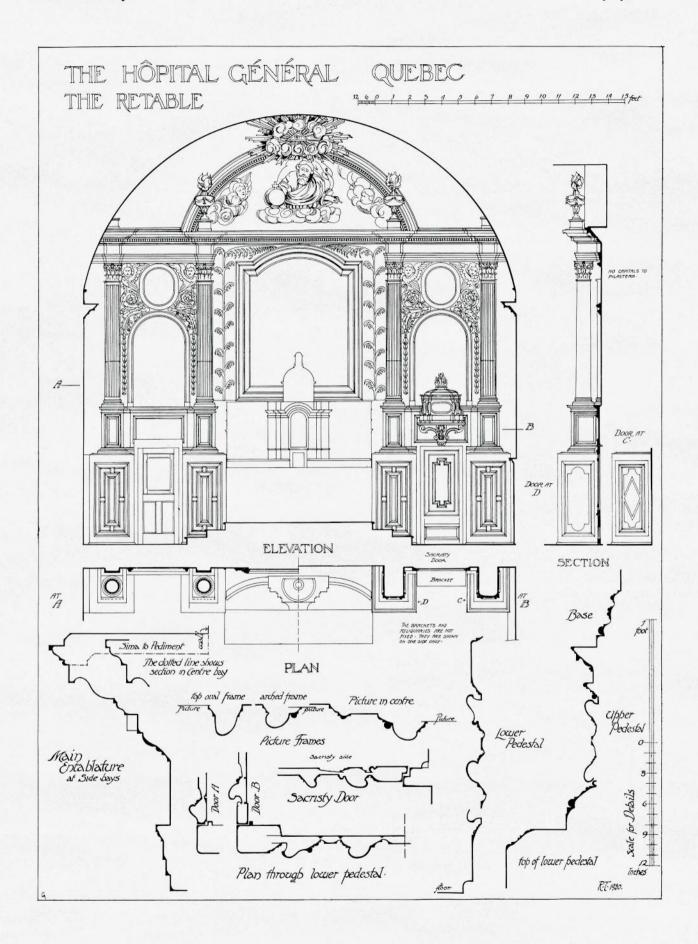
The whole tabernacle is gilt, as such work was meant to be. All plain spaces are decorated with hatchings and geometrical diapers impressed into the gold with a point. This method of drawing on gold is found in other

early Quebec work; an unusually fine example is the carved wood altar frontal at Jeune Lorette.

The tabernacle and altar in the chapel of the Sacred Heart are put together of a number of parts



Photo, R.T., 1928



of different dates but forming a very harmonious whole.

The grades and tabernacle have a swinging acanthus scroll on which is set an open cabinet with front and two sides forming an irregular hexagon. It has carved feet and shaped tops surmounted by elaborate rocaille cresting. On each side of this cabinet are curved wings with alternate columns and flat carved flowerpots, above is a balustrade. The pedestals of the columns have flowers drawn on the gold and the slats are similarly decorated with hatchings. The carving of the flowerpots is

mass. The Hôpital possesses quite a number of grades of various patterns and ages.

The table of the altar is modern and rather roughly put together. On the frontal is an oval medallion of Our Lady and Child, of unmistakable Baillargé character. The accounts contain an entry which can only refer to this.

"1827 18 Juillet. Payé a Mr. Baillargé pour devant d'autel en sculpture 514 li 10." 1

The carving, as is usual in the school, is attached to the background. At some recent time it has been put on a new background, and a little re-



A RELIQUARY FROM THE RETABLE

Photo, R.T., 1928

decorative and suggestive of XVII century models, the octagon capitals and plinths of the columns have a very Gothic air and the balustrade on top is identical with that on the high altar.

These side wings must be at least contemporary with the high altar and they may possibly be earlier; they have all the characteristics of early work.

The central niche is typical Louis XV of the mid XVIII century.

The grades do not look as early as the rest. The character of the scroll work strongly suggests the beginning of the XIX century. In the accounts for 1725 is an item "de la somme 30 li pour la fasson des gradins de la chapelle de Monseigneur," but the grades here referred to are probably those of the altar now in the men's ward, at which Mgr. de Saint-Vallier is said to have celebrated his last

arranged in the process, for the swags in the upper part are now upside-down. It is a very fine example of Thomas Baillargé's work.

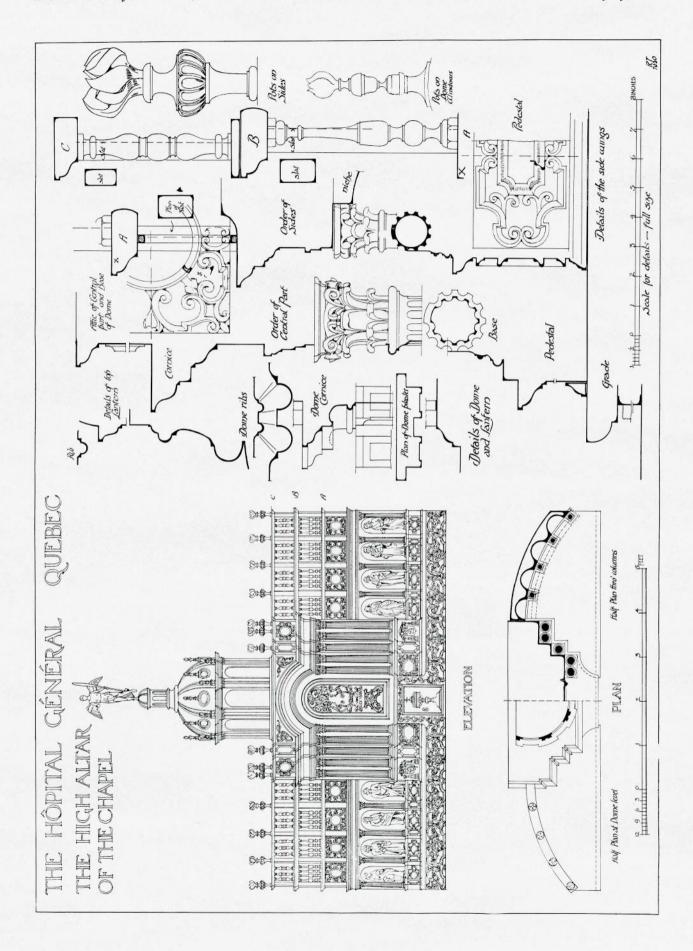
Behind the altar is the old picture of the bishop in prayer mentioned in the annals of 1720. On the left hand side is the epitaph, a painting of a marble monument. On it is the coat of arms surmounted by the mitre and crook and a coronet, below on a scroll is the inscription:

HIC JACET / ILLMUS AC REVMUS &c&c / J.BTA DE LA CROIX DE CHEVERIERE / DE ST VALLIER / SECUNDUS QUEBECENSIS EPISCOPUS / HUJUS-CE MONASTERII FUNDATOR / QUI / MERITUS CLARIS / 75 AGENS ANNUM / OBIIT DIE 26 DECBRIS ANNO / 1727.

Mgr. de Saint-Vallier is buried in front of the altar; the remains were transferred when the chapel

⁽¹⁾ Livres de comptes vol. I, fol. 185a.

⁽¹⁾ Livres de comptes Journal de la depense commence en 1825, fol. 27b.



was moved from its original position further to the east to its present place beside the choir.

The little chapel is covered with a wooden barrel vault and on either side of the entrance arch are carved and gilt wood reliquaries. It is an exceptionally charming little chapel and a worthy resting-place for the founder.

On the right hand side, in the side bay, is the door to the sacristy, on the left hand side is a press, clearly a later insertion. Above these are the pictures from the old retable¹, St. Augustine on the left, St. Mary Magdalene on the right. Above these are two oval portrait heads. The background is filled by cherubs and acanthus scroll work.



THE HIGH ALTAR

Photo, R.T., 1928

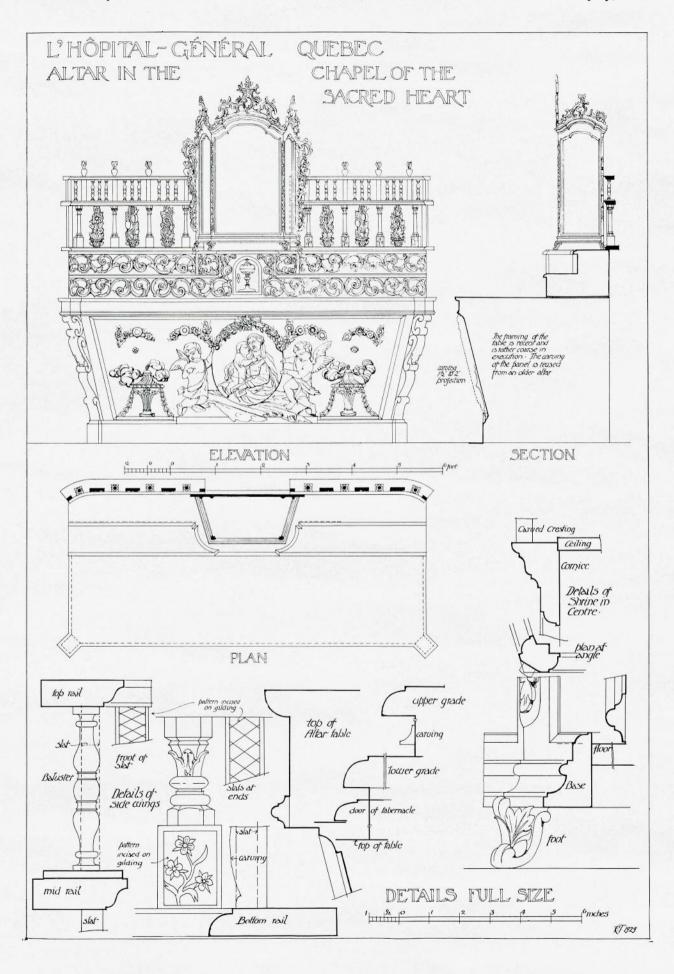
During the alterations of 1769 and the following years the retable must have been completely renewed. The old sanctuary was narrower and, excepting for the pictures in the side bays, no parts of any older retable seem to have been reused in the present one. It is in three bays, a large one in the centre and narrower ones to the sides, separated by corinthian columns on high double pedestals. The centre bay has a segmental arched pediment containing a God the Father flanked by cherubs. The entablature breaks back between the columns of which the centre pair are surmounted by large firepots. In the crown of the vault is a triangle with the Tetragrammaton in a glory.¹

In the centre bay is a large picture of the ascension of Our Lady with a rather crudely executed palm on either side. There is no carved ornament in the entablature—rather a departure from the usual custom.

The pedestals and sacristy door are panelled with very heavy built-up mouldings, in scale more like stone than wood. The character of these mouldings, with a profusion of projecting ovolos and beads, is that which we associate with the later XVIII century. Above the side doors are carved brackets upon which are usually set gilt wood reliquaries. There are a considerable number of these reliquaries in the Hôpital, two here, two in the gallery of the church and two in the chapel of

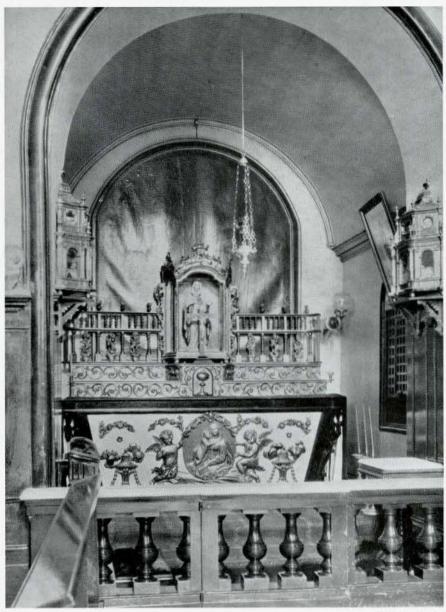
 $[\]left(1\right)$ The Hebrew letters yod, hy, vau, aleph usually transliterated Javeh or Jehovah.

⁽¹⁾ H.G.Q. p. 118, repairs executed in 1695-6-7.



the Sacred Heart of Mary. To judge by the character of the carving they date from the first quarter of the XVIII century¹.

The carving in the pediment is commonplace both in design and in execution and is too large in scale for the rest of the work. We have no figure carving which we can with certainty attribute to been put in. The lighting, from one side only, is very effective and helps to make the composition of retable and altar as interesting as it undoubtedly is. In too many churches the flood of cross lighting destroys the shadows and ruins the appearance of the work, for good lighting really depends upon having good shadows.



THE CHAPEL OF THE SACRED HEART OF MARY

Photo, R.T., 1928

Pierre Emond, indeed it is quite possible that he was not a figure sculptor at all. This tympanum carving looks very like the work of Thomas Baillargé in a weaker moment, but we have no record of it. Otherwise of course the retable is the work of Emond.

Generally speaking it is finer in its main design than in its carving; the pedestals are strong and unusual, the detail of the order is good but the carving is rather weak. The pilasters behind the columns have no capitals, they have simply never Round the walls of the church runs a panelled dado, five feet nine inches high from the floor. It is divided into bays by ionic pilasters, single in the intermediate bays and double at the ends. Between the pilasters are panels with a small bead moulding. In each bay is a heavily moulded frame containing a large landscape painted in oils. There are twenty-two of these pictures; they represent conventional landscapes with trees, lakes, hills and distant chateaux of indeterminate architecture. One shows a hermitage beneath a beetling cliff with two

hermits in the foreground but the others are without figures.

These pictures are attributed to the reconstruction of 1695 to 1697. "On fit orner de peintures les panneaux des lambris." and are said to have been painted by one of the nuns.

But the panelling is unmistakably part of the reconstruction of 1769. It is made to fit the divisions of the walls which were made at that date; it extends into the reconstructed sanctuary and nowhere is there

any sign of alteration, cutting or adaptation. The mouldings too are similar to those of the retable and the little beaded panels are

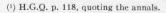


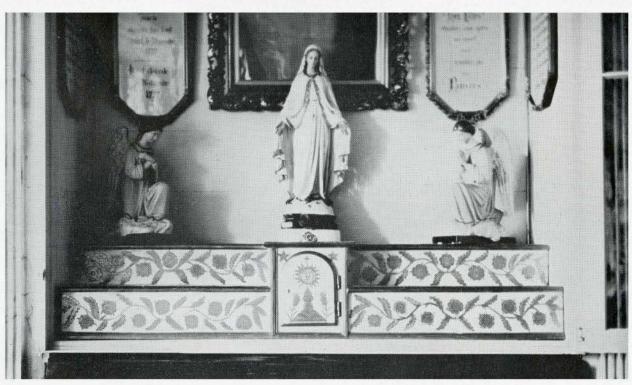
 $Photo,\,R.T.,\,1928$ DETAIL OF THE FRONTAL IN THE CHAPEL OF THE SACRED HEART OF MARY

characteristic of late XVIII century work. The panelling was certainly not made in 1695-97.

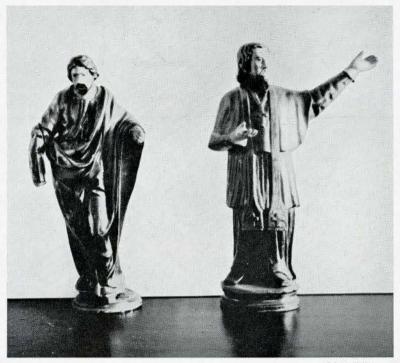
Still we might maintain that the pictures were the old ones reused. They vary a little in size and, of course, might have been cut down to suit new panels. But they show no traces of any such adaptation and their romantic character fits in better with the end of the XVIII century than with the end of the XVII. Hermits, for instance, are a regular romantic property. The

pictures are painted in dull shades of green, brown and blue and have darkened a good deal with age. They give a very distinctive touch to the church. It is probable that they are the work of one of the nuns but we must conclude that





Photo, R.T., 1928

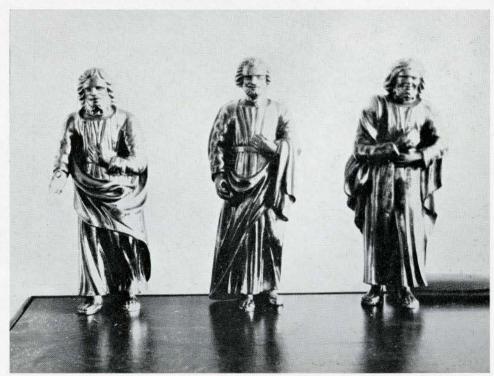


Photo, R.T., 1928

TWO STATUES FROM THE DOME OF THE TABERNACLE

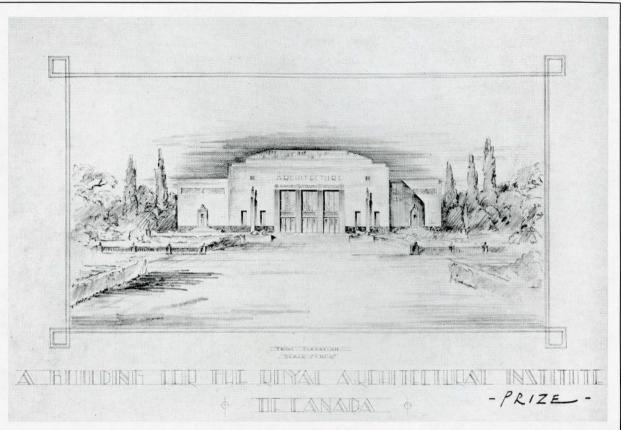
they were renewed with the new panelling at some date shortly after 1769.

The church altogether is a most attractive and interesting building. For the history of Canadian art it provides us with a fine early work of Levasseur and with the largest work of Pierre Emond of which so far we have record. The hand of the innovator has been laid lightly upon it, for the nuns value their old traditions and will do nothing that might weaken them. So the church remains dignified, quiet and full of beauty.

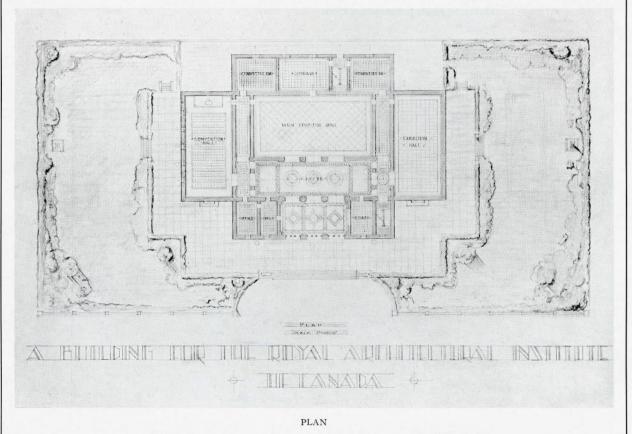


Photo, R.T., 1928

THREE STATUES FROM THE TABERNACLE



FRONT ELEVATION



Winning Design for a suggested building for the Royal Architectural Institute of Canada By Edward W. Rogerson — University of Manitoba. THE W. S. MAXWELL PRIZE

Award of the W. S. Maxwell Prize

THE prize of one hundred dollars offered by W. S. Maxwell, F.R.A.I.C., for a competition among students in the architectural departments of recognized Canadian universities and schools has been awarded to Edward W. Rogerson of the

University of Manitoba.

The programme for the competition assumed that the Dominion Government intended to establish a centre in the City of Ottawa which would provide for a group of buildings to house such institutions as the Royal Architectural Institute of Canada, The Royal Canadian Academy, the Royal Society of Canada, the National Gallery and various professional bodies such as represent the professions of law, medicine, music, etc.

The purpose of the competition was to secure a design for a building for the Royal Architectural Institute of Canada which in addition to functioning as an administrative centre would provide accommodation for annual conventions, special

meetings, exhibitions, etc.

The building was assumed to be a one storey structure with basement and was to include:

(1) A main exhibition gallery with approximately 2,000 square feet of floor area, to be either top

lighted or lighted by clerestory.

(2) A secondary exhibition gallery with approximately 1,200 square feet of floor area, together with a convention hall of approximately the same

(3) Small committee rooms, secretary's office,

cloak rooms, etc.

The drawings required were one ground floor plan, two elevations and one section drawn to a scale of $\frac{1}{16}$ " to the foot in pencil outline on tracing paper. The total time allowed for the esquisse and the plan of the drawings was to be seven consecutive school working days.

Forty-five "projets" were submitted in the competition which closed on April 9th, sixteen of which were from the University of Toronto, fourteen from the Ecole des Beaux Arts, Quebec, nine from the University of Manitoba and six from McGill University, Montreal. The Jury of Award consisted of Messrs. W. S. Maxwell, J. O. Marchand, E. I. Barott of Montreal and W. L. Somerville and A. H. Chapman of Toronto. After carefully considering the merits of the designs submitted, the jury made the following awards:

The Prize - Edward W. Rogerson, University

of Manitoba.

First Mentions — Lucien Mainguay, Ecole des Beaux Arts, Quebec. Kasmir Jastremsky, University of Manitoba. G. L. Fowler, University of Toronto.

Mentions - V. D. Bouchard, McGill University, Montreal. R. Dupere, Ecole des Beaux Arts,

Quebec.

In presenting their report of the competition, the Jury of Award state that the experiment of having the competition limited to students who are following architectural courses in Canadian universities and Ecoles des Beaux Arts has justified itself, and could with advantage be repeated annually. The jury also extended their congratulations to the architectural schools on the quality of the work submitted by the students in the competition.

The drawings were exhibited at the Ecole des Beaux Arts, Quebec, during the month of May, and it is expected that other universities will avail themselves of the opportunity of arranging similar

exhibitions.

Department of Art, Science and Research

Conducted by B. Evan Parry, M.R.A.I.C.

"THROUGH the courtesy of Lynn W. Meekins, Esq., Commercial Attaché, Legation of the United States of America, Ottawa, the committee has been privileged by receiving brochures prepared by the United Stated Department of Commerce.

"It is the considered opinion of the committee that the data is such that Canada would be well advised in proceeding on similar research work. Evidence is overwhelming that costs of building construction are unnecessarily excessive through lack of simplified practice, more particularly as applied to material. Here would appear to be an excellent opportunity for the Royal Architectural Institute of Canada to make overtures to the National Research Council or the Canadian Engineering Standards Association to either adopt the findings of the United States Department of Commerce or institute investigations upon similar lines as applied to Canadian material."

In the meantime, it is considered valuable to members of the profession to briefly refer to the brochures now under review.

1. FACE BRICK AND COMMON BRICK, SIMPLIFIED PRACTICE RECOMMENDATION No. 7.

The results of the survey made will be the means of the elimination of excess varieties in the sizes of face brick by

reducing the recognized sizes to one of each of the two types and of common brick to one standard size.

The lessening of difficulties in present day construction,

increasing the possibilities of masonry design to the highest practical value, lowering costs of production and ultimate saving to the consumer are some of the many advantages accruing from this constructive action.

2. SAND-LIME BRICK, SIMPLIFIED PRACTICE RECOMMENDA-TION No. 38.

It would appear that more than 80 plants throughout the United States and Canada are engaged in the manufacture of this brick, with many variations in lengths, thicknesses and widths. In 1925 a convention was held in Toronto and the following resolution was offered, seconded and became effective July 1st, 1925:

"Whereas in the interest of economy and efficiency in the

process of manufacture, distribution, and consumption; and "Whereas variations in dimensions of brick units are increasing with a resulting detriment to the industry in produc-

tion and competition; and "Whereas a large percentage of the sand-lime brick now being produced are 8 inches long, $2\frac{1}{4}$ inches thick, and $3\frac{3}{4}$ inches wide; and
"Whereas this size is practical from the viewpoint of the

architect, engineer, contractor, and manufacturer, be it "Resolved, That this convention and the several organiza-Resolved, That this convention and the several organiza-tions and government departments interested do accept and endorse the above size as being best fitted to the use for which the material is intended; and be it further "Resolved, That sand-lime brick shall be manufactured so

that its properties will be in accordance with the specifications

of the A.S.T.M. No. 6-21-20.'

Department of Art, Science and Research—Continued

 VITRIFIED PAVING BRICK, SIMPLIFIED PRACTICE RECOM-MENDATION NO. R1-29.

This brochure covers the history of the movement for standardized vitrified paving brick, as also relates the summaries of the Revision Conferences. Recognized sizes and varieties of paving bricks are given.

 Hollow Building Tile, Simplified Practice Recommendation No. 12.

In summarizing the contents of this brochure, attention is called to the fact that thirty-six different sizes, each made in a wide variety of weights, showed the prevailing uneconomic policy in production. A general conference was held, the findings of which were responsible for the unanimous adoption of a simplified list of varieties of tile.

5. CONCRETE BUILDING UNITS (BLOCK, TILE AND BRICK), SIMPLIFIED PRACTICE RECOMMENDATION No. 32.

This brochure relates to the discussion which led up to the

This brochure relates to the discussion which led up to the adoption of a standard size for concrete building units, including block, tile and brick, all of which should be found distinctly useful to the members of the profession.

6. Sizes of Removable and Permanent Forms, Pans, or Domes Made of Wood, Steel, or Other Material Used in Concrete Ribbed Floor Construction. Simplified Practice Recommendation No. R87-29.

A general conference of representative manufacturers and distributors of forms for concrete ribbed floor construction,

with the help of written suggestions from representative users, drafted a simplified practice recommendation, which was modified and since which the industry has adopted. This recommendation, which limits the dimensions of forms for concrete ribbed floor construction, is fully described in the brochure.

 STRUCTURAL SLATE (FOR PLUMBING AND SANITARY PUR-POSES), SIMPLIFIED PRACTICE RECOMMENDATION NO. R13-28.

Information in this brochure is voluminous and much valuable data is contained therein covering slate laundry tubs, sink and one tub combination, sink and two tub combination, sinks with or without integral backs, sinks with or without integral backs, sinks with or without integral backs with one or two draining boards, slate sink tops only, slop hoppers with or without integral backs, shower stalls, toilet enclosures and urinals.

Emphasis is stressed upon the value of this data and copies can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A. Prices vary from 5c. to 20c.

Note—A further list of these brochures will be published in the next issue.

Activities of the Institute

A meeting of the executive committee of the council of the Royal Architectural Institute of Canada was held at the office of the Institute, 627 Dorchester Street West, Montreal, Quebec, on Thursday, June 25th, 1931 at 4.00 p.m.

Present: Percy E. Nobbs, president; Alcide Chausse, honorary secretary; Gordon M. West, honorary treasurer; E. I. Barott, W. S. Maxwell, J. Cecil McDougall, Philip J. Turner, Ludger Venne and I. Markus, secretary.

Reading of Minutes: The minutes of the meeting of the executive committee held on April 24th, 1931 were read and approved.

Reports of Standing Committees:

Architectural Training: Mr. Maxwell reported that forty-five entries had been received in connection with the prize offered by him for a competition open to students in architecture and that a Jury of Award consisting of Messrs. W. S. Maxwell, J. O. Marchand and E. I. Barott of Montreal, and W. L. Somerville and A. H. Chapman of Toronto, had judged the designs submitted and awarded the prize to Edward W. Rogerson of the University of Manitoba. First mentions were awarded to Lucien Mainguay, Ecole des Beaux Arts, Quebec; Kasmir Jastremsky, University of Manitoba; and G. L. Fowler, University of Toronto; and mentions to V. D. Bouchard, McGill University, Montreal; and R. Dupere, Ecole des Beaux Arts, Quebec. Mr. Maxwell further reported that the drawings had already been exhibited at the Ecole des Beaux Arts, Quebec, and that they were now in possession of the secretary who would arrange for similar exhibitions at other schools of architecture.

Scholarship Funds: Mr. McDougall reported that subscriptions to the scholarship and prize fund had been received from the following members: Messrs. Percy E. Nobbs, Hugh G. Jones, J. Cecil McDougall, E. I. Barott, C. Davis Goedman, Cecil S. Burgess, D. H. MacFarlane,

Howard J. White, I. Markus, Ludger Venne, W. L. Somerville and Hugh A. Peck.

Art, Science and Research: A letter was read from the chairman of the committee on art, science and research suggesting that the Institute approach the National Research Council or the Canadian Engineering Standards Association with a view to carrying out some research work in connection with the costs of building construction, more particularly as applied to building materials. After some discussion the president was requested to communicate with Mr. B. Evan Parry, chairman of the committee, in connection with the matter.

Public Relations: Mr. West reported that his committee contemplated taking up with the component societies the matter of publicity as it relates to the profession in the various provinces.

Editorial Board of The Journal, R.A.I.C.: The president presented a memorandum from Mr. J. P. Hynes, chairman of the editorial board, recommending the publication of a supplement to The Journal to be expressly directed towards the general public. While the meeting expressed itself in sympathy with the idea, it was the opinion of the executive that this publication should be referred to as an annual or year book. Mr. Hynes was requested to go into the financial aspect of the proposal and submit a further report to the executive committee.

Exhibitions and Awards: The following letter was read from the secretary of the Royal Canadian Academy of Arts:

"The Academy appreciate the fine showing of architectural exhibits made by the Royal Architectural Institute of Canada on the occasion of the last Academy exhibtion, and wish to extend to them a cordial invitation to participate in future exhibitions. The extent of such cooperation will of necessity be determined by the space available which varies in the different galleries we exhibit in.

The Academy's next exhibition will be held at the galleries of the Art Association of Montreal opening on the 19th of November next."

The secretary was instructed to reply, expressing the appreciation of the Institute for the invitation, and Mr. Turner was requested to make the necessary arrangements for the exhibition. It was decided to have the exhibition arranged in accordance with the recommendations approved by the annual meeting; also that a medal be awarded for the building of most outstanding merit shown at the exhibition, and that additional awards of merit be given for those placed first in the various classes as outlined in last year's report.

R.A.I.C. Prize Competitions: In connection with the adjudication of the R.A.I.C. prize competitions, entries for which will close on July 1st, it was decided to appoint a jury of award consisting of Messrs. W. S. Maxwell, chairman; P. E. Nobbs, E. I. Barott and J. Cecil McDougall of Montreal, and Gordon M. West, John M. Lyle and H. H. Madill of Toronto. The chairman was given power to add further members to the jury if he so desired. An announcement of the awards to be published in The Journal in due course.

It was decided not to publish a further series of prize competitions until the extent of the participa-

tion in the first one becomes known.

Proposed Exhibition of Hospital Architecture: The secretary advised the meeting that a letter had been received from Mr. B. Evan Parry informing the executive that the proposed exhibition of hospital architecture to take place in connection with the annual convention of the American Hospital Association will be sponsored by the Dominion Government and that a letter had been sent to the presidents of the component societies requesting their co-operation in securing the necessary exhibits. The executive was further informed that the government would be responsible for all transportation charges and the safe return of exhibits furnished by members of the Institute.

Fellowships: Applications for Fellowship from two members which were presented at a previous meeting were carefully scrutinized by the executive committee and found satisfactory, and the secretary was instructed to prepare and send the necessary ballots to the body of Fellows for election or rejection.

Institute Documents: The secretary reported that the official documents of the Institute had been printed and that a complete set had been sent to each of the members. He further reported that the documents had been favourably received and that a number of orders had been sent in for additional copies of the contract forms.

The secretary was instructed to send a complete set of the official documents to the R.I.B.A. and its allied societies, also to the component societies of the Institute and the several schools of archi-

tecture in Canada.

The president reported that he had been unable to include "The Basis of Professional Charges" with the other documents on account of lack of unanimity of opinion. In connection with this document the president submitted a memorandum to the meeting which it was decided to publish in The Journal, and the secretary was instructed to write to the presidents of the component societies calling their attention to the memorandum.

Standard Forms of Contract: The secretary was authorized to arrange for the printing of 2,500 additional copies of the stipulated sum and cost plus forms of contract, the format of these forms to be decided by a special committee consisting of Gordon M. West, W. L. Somerville, and the secretary.

The president reported having received two suggested amendments to the standard forms of contract, and the secretary was instructed to send these on to the joint committee of the R.A.I.C. and C.C.A. with the suggestion that they be given due consideration before further copies of the contract forms were printed.

Register of Architectural Draftsmen: The president reported that the lists of architectural draftsmen received from the component societies were very incomplete and he was requested to further pursue his endeavours to obtain the information required.

R.I.B.A. Matters: Mr. Turner informed the meeting that the memorandum sent on April 13th by Mr. Nobbs and himself had been considered by a meeting of the R.I.B.A. council held on June 15th.

The president advised that he had sent a letter to Dr. Raymond Unwin congratulating him on his nomination to the presidency of the R.I.B.A.

Letters were read regarding the R.I.B.A. new premises competition, and the R.I.B.A. prizes and studentships for 1931.

Next Annual Meeting: A letter was read from the Canadian Pacific Railway inviting the Institute to hold its next annual meeting at Lucerne-in-Quebec. Upon motion of Alcide Chausse, seconded by E. I. Barott, it was decided that subject to suitable terms and arrangements, the next annual meeting take place at Lucerne-in-Quebec, and that the date of the meeting be provisionally fixed for Friday and Saturday, February 19th and 20th, 1932.

New Offices for the Secretary: A suggestion was made by Mr. West that more adequate office space be provided in Toronto for the secretary. The matter was left in the hands of the honorary treasurer.

Miscellaneous: A letter dated May 11th was read from the Canadian Manufacturers Association replying to a letter sent by the Institute on April 29th with reference to the branches of their association in the Provinces of Alberta and Manitoba opposing amendments to the architects' acts in those Provinces. The secretary was instructed to send a copy of the letter to the Manitoba and Alberta Associations of Architects.

A letter was read from Mr. W. L. Somerville regarding a suggestion made by Mr. Jas. Govan that the Institute appoint a representative on a committee on fire-proofing organized by the Fire Underwriters' Association for the purpose of drawing up a code of fire-proofing requirements as a basis of regulation to be adopted in Canada and the United States. The matter was referred to the president for action.

Date and Place of Next Meeting: The date and place of the next meeting of the executive was left to the president.

Adjournment: The meeting adjourned at 7.30 p.m.

Activities of Provincial Associations

The Ontario Association of Architects

Secretary-R. B. Wolsey, 350 Bay Street, Toronto 2, Ontario.

The new Ontario Architects' Act provides for the council of the Association to be composed of twelve members instead of nine as heretofore. A special general meeting of the Association was called on July 8th for the purpose of electing the three additional members of the Council.

In connection with the Architects' Registration Board for the Province of Ontario, the following is a copy of the Order-in-Council issued June 9th, 1931, and approved by the Honourable the

Lieutenant-Governor:

"Upon the recommendation of the Honourable the Attorney-General, the Committee of Council advise that pursuant to the provisions of The Architects' Act, 1931, an Architects' Registration Board be established, to be composed of the following:

Professor Charles Henry Challenor Wright, University of Toronto, Toronto.

John Andrew Pearson, 2 Leader Lane, Toronto. James Henry Craig, 96 Bloor Street West, Toronto.

James Patrick Hynes, 39 Castle Frank Crescent,

Toronto.

Willard Bruce Riddell, 49 Sun Life Building,

Hamilton.

The said Charles Henry Challenor Wright and John Andrew Pearson to hold office for a period of three (3) years, and the said James Henry Craig, James Patrick Hynes and Willard Bruce Riddell, to hold office for a period of one (1) year.

The said board to be established and the above appointees to hold office as and from the first day

of July, 1931.'

Province of Quebec Association of Architects

Honorary Secretary—Henri S. Labelle, 627 Dorchester Street West., Montreal.

At a meeting of the Province of Quebec Association of Architects held in Montreal on May 5th, 1931, the following were elected to membership in the Association: Messrs. R. G. Heughan, Thos. T.

Rutherford, Leslie A. Watt, Jean Savard, Eug. Wilfrid Bourget and Chas. H. Brooks, all of Montreal, G. F. Caron of Quebec, and Adrien Dufresne of Beauport, Quebec.

NOTES

Mr. E. R. Rolph, of the firm of Sproatt and Rolph, Architects, returned to Toronto on June 23rd after spending the past three months in Europe.

Cyril J. Carroll, architect, announces the removal of his office to Northern Ontario Building, 102 Durham Street, S., Sudbury, Ontario. Manufacturers are requested to send catalogues.

Professor Ramsay Traquair of the School of Architecture, McGill University, returned to Montreal on July 2nd after spending two months in England.

As a result of a recent examination held by the Province of Quebec Association of Architects, eight new members were elected to that body.

Mr. John M. Lyle, architect of Toronto, returned on June 18th, from a ten weeks' trip through England, France and Italy.

Mr. Percy E. Nobbs, P.R.A.I.C., addressed a meeting of the Montreal Junior Board of Trade on June 23rd on the subject of "Town Planning Legislation."

Douglas G. W. McRae, a graduate of the Department of Architecture, University of Toronto was awarded the degree of Master of Fine Arts at the 110th Commencement Exercises of the George Washington University, Washington, D.C., on June 10th last.

Mr. C. V. K. Van Norman, architect, announces the removal of his office from 1009 Rogers Building to 834 Pender Street West, Vancouver, B.C.

Mr. Noulan Cauchon, Chairman of the Town Planning Commission, Ottawa, has just returned from an extended trip to Europe, where he attended the International Housing and Town Planning Conference in Berlin, Germany.

Mr. John A. Pearson of the firm of Darling and Pearson, has been appointed to the Architects Registration Board for the Province of Ontario by the Lieutenant-Governor-in-Council. The other members of the Board are Professor C. H. C. Wright, representing the University of Toronto, and Messrs. James H. Craig, J. P. Hynes and W. B. Riddell, representing the Ontario Association of Architects.

OBITUARY

WILLIAM TINNISWOOD DALTON

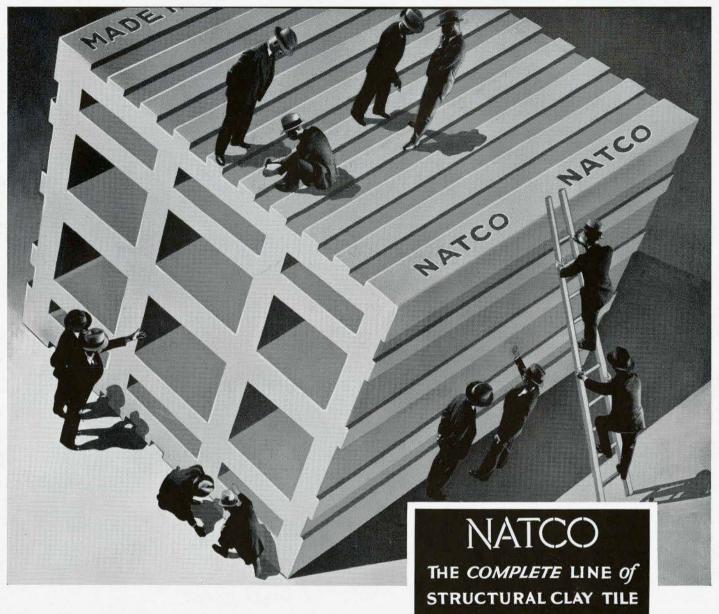
We regret to record the death on May 26th of Mr. William Tinniswood Dalton, architect of Vancouver. Mr. Dalton was seventy-five years of age at the time of his death and had practiced as a member of the firm of Dalton & Eveleigh for over twenty years.

He was a Charter Member of the Royal Architectural Institute of Canada and an Honorary Member of the Architectural Institute of British Columbia. Mr. Dalton retired from active practice

about ten years ago.



EXAMINE ONE ... Yourself

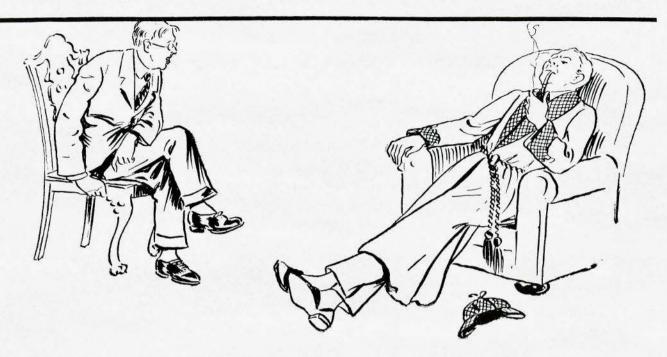


Under critical examination Natco meets the requirements of Strength—Insulation—Fireproofing—Economical Construction—Sound Deadening—and Reduces Dead Load—also does not shrink before or after it is built in the wall.

NATIONAL FIRE PROFING COMPANY OF CANADA, LIMITED

Factory: Hamilton, Ont.

Dominion Bank Building, TORONTO



THE BENEFITS OF INSULEX?

Obvious "My Dear Watson"
You have only to get the facts on Insulex

WE are sure if you do this that you will be convinced in your own mind that Insulex is the ranking building insulation in Canada to-day.

In what other insulating material will you find these qualities that Insulex provides:

- 1. Fire-resistance—Because it is made from solid gypsum rock it cannot burn.
- Thickness—The only insulation that does a good job is THICK insulation. Insulex can be poured to any desired depth and still cost less than any other material of equal thickness.
- Covering Capacity—Insulex weight 20
 pounds to the cubic foot and one ton will
 cover 600 square feet 2 inches thick or 400
 square feet 3 inches thick.
- 4. Economy—The cost of Insulex depends largely on the freight rate to your location. Yet in any case it will give you the MOST insulation for the LEAST money. A few years fuel saving will pay for Insulex.
- 5. Vermin Protection—Rats, mice and vermin have an aversion for Insulex and will not harbour in it.
- 6. Application—As swift and simple as pouring a glass of water. Insulex comes in 40 pound paper bags ready for instant installation.

FREE CONSULTING SERVICE

You are invited to obtain whatever technical information you need on insulating problems from the company's services which are available without obligation to architects, builders, engineers and owners.

GYPSUM, LIME AND ALABASTINE, CANADA, LIMITED

Montreal Office: 808 Architects' Building Telephone:—

MArquette 2388

PARIS VANCOUVER CANADA WINNIPEG

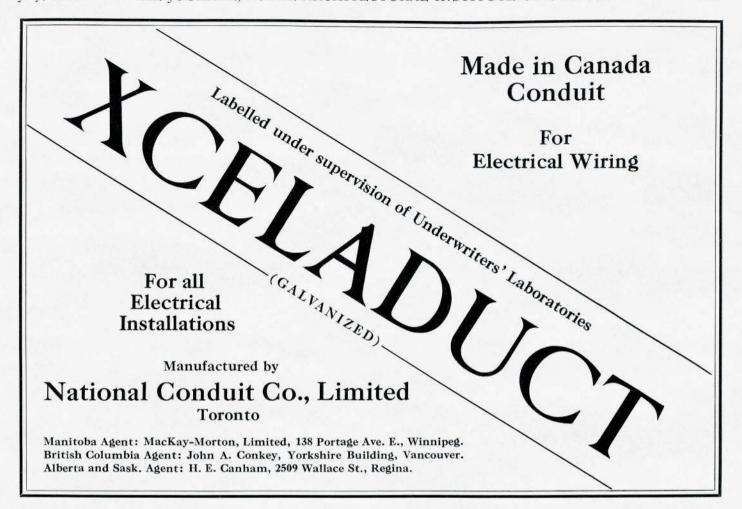
WINDSOR

Toronto Office: 701 Federal Bldg. Telephone:—

ADelaide 4262-3









CALDWELL SASH BALANCES

Backed by Forty Years' Experience



Each Caldwell Sash Balance has a quality built into it that assures satisfaction, and maximum length of service.

Box frames can be eliminated, thus contributing greatly to making a building of warm construction. They also permit the use of narrow mullions and trim. Mortises can be cut at the mill to one size.

When the saving of labor and material is considered, they cost no more than ordinary weights and cords.

CALDWELL MANUFACTURING COMPANY

ROCHESTER, NEW YORK, U.S.A.

Canadian Representatives

W. H. GLASSCO & CO. 628 Royal Bank Bldg. Winnipeg, Manitoba CHAS. J. WALKER, LIMITED 507 Coristine Bldg. Montreal

QUALITY WOODWORK



For the

Discriminating

at

moderate

prices.

The J. C. Scott Company Limited
90-108 River Street
Toronto

YOU CAN SEE the results of

USUAL AIR CURE Curing concrete with SISALKRAFT

SISALKRAFT CURE

by Or structure of the structure of the

Proper Curing made the difference in these two samples of concrete. Both were poured from the same mix. One received the usual air cure—the other was kept covered with the waterproof paper, Sisalkraft. Both were given the same accelerated wear test.

THE advantages of specifying curing and protection by Sisalkraft are easily verified. One experience will demonstrate the superior concrete you get. The low cost and ease of application will appeal to any contractor. Detailed literature on request.

Alexander MURRAY & Co., Limited

Montreal Saint John Winnipeg



Toronto Halifax Vancouver

New Instrument Serves an Ancient Art

Floodlighting of Canadian Bank of Commerce, Head Office, Toronto, Ont. Darling and Pearson, Architects—Anglin Norcross, Limited, General Contractors. Canadian Comstock Co. Limited, Electrical Contractors.





The architect who provides for floodlighting when a building is designed is sure that his thought will be faithfully interpreted at night as well as by day, and he obviates structural changes that a future installation might necessitate. General Electric Illuminating Engineers offer you their services in thus continuing your message, which would else be interrupted at nightfall.

UNDER General Electric Floodlights, the grace and dignity of the Canadian Bank of Commerce, Head Office Building carry as impressive a message by night as by day.

Inspiring beauty, just proportions, fine suggestions of structural purpose—all are lost at dark unless the architect can bathe his creation in a flood of revealing light.

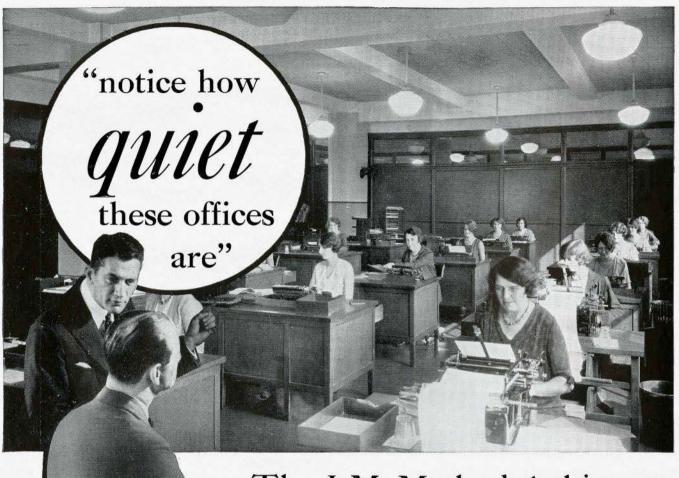
CANADIAN

31-FH-1

GENERAL ELECTRIC CO.

Limited

HEAD OFFICE TORONTO, SALES OFFICES IN ALL PRINCIPAL CITIES.



The J-M Method Achieves "absence of noise" without Architectural or Decorative Changes

OMMERCIAL, public buildings and churches become immensely more popular and valuable when Johns-Manville sound control treatments have given them the added feature of absence of disturbing noise.

The Johns-Manville method of sound control does not involve any changes in decorative effects or in architectural planning. Sound absorbing materials developed exclusively in the J-M acoustical laboratories are scientifically placed to intercept sound waves, and noise is simply blotted out.

In old buildings, Johns-Manville noise-reducing materials can be installed without changing the decorative effect and without

disturbing routine. In new buildings Johns-Manville installation can in many cases replace the usual noise-reflecting materials at practically no extra cost. Just ask our nearest office to arrange for a visit by a sound control expert, or write to Canadian Johns-Manville Co., Limited, 19 Front Street East, Toronto, Ont.



300,000 square feet of J-M Sanacoustic Tile applied in these offices reduced errors 42% representing a return of 67% per year on the cost of installation.

Johns-Manville M

sound control treatment

LATH



PEDLAR TALKS on Fireproofing

present day construction whether it is cottage, mansion or skyscraper, the important factor is fireproofing.

The average home buyer is keenly interested in owning a fire-safe home. When the builder can point to walls and ceilings plastered on Pedlar's "Plaster Saving" Metal Lath and to the Metal Lath reinforced fire stops throughout the house -he is going far towards making a sale. He will also get a satisfied customer.

Profits are certain for the builder using "Plaster Saving" Metal Lath. He saves material, labor, and does a much quicker job.

We will send samples on request to Architects, Contractors or anyone interested in better plastering.

PEDLAR'S

Founded by Canadians

Owned by Canadians



METAL LASTER

THE PEDLAR PEOPLE LIMITED

Established 1861

HEAD OFFICE-OSHAWA, ONT.

FACTORIES-Oshawa, Montreal, Winnipeg, Vancouver. BRANCHES-Montreal, Toronto, Ottawa, Winnipeg, Regina, Calgary, Vancouver.

We Should Like to FLOOR You



THE fear of warping wood is for architects the beginning of wisdom . . . when they specify Canada Flooring Hardwoods, experienced architects know that the risk of warping is as greatly reduced as it is humanly possible. You cannot ask for more . . . but you should not be content with less.

Always in stock in all grades and thicknesses:

BIRCH

MAPLE and OAK

BEECH

CANADA FLOORING CO., LIMITED

304 Beaumont Street, Town of Mount Royal MONTREAL, P.O. Telephone: ATlantic 7286

SPEEDING UP MODERN BUILDING

The many remarkable features of Massillon Bar Joists that make them the easiest of all joists to handle and erect have led builders and contractors throughout Canada to adopt them for use on important construction jobs. They are indeed speeding up modern building.



London Life Insurance Company Building, London, Ontario John M. Moore & Co., Architects W. H. Yates Construction Co., Limited, Contractors

Standardized sizes, lightness of weight, and the fact that piping and conduit may be run in any direction without drilling or cutting are just a few of their advantages.

Write for further details.

Engineers,
Fabricators and
Erectors of
Structural Steel
and
Manufacturers of
Massillon Vault
Reinforcing

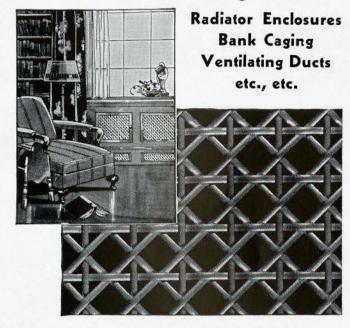
"BUILD FIRE OUT"

SARNIA BRIDGE

Branch Offices: Toronto and Montreal Agents in All Principal Cities

METALACE

...a beautiful NEW grille for



HERE IS NEWS

Architects, Builders and Contractors will welcome the news:

—that at last the demand for a satisfactory grille for radiator enclosures, ventilating ducts, etc., has been met with in a new woven wire material called "Metalace";

—that, with it, new, distinguished decorative effects to harmonize with every architectural motif may now be achieved;

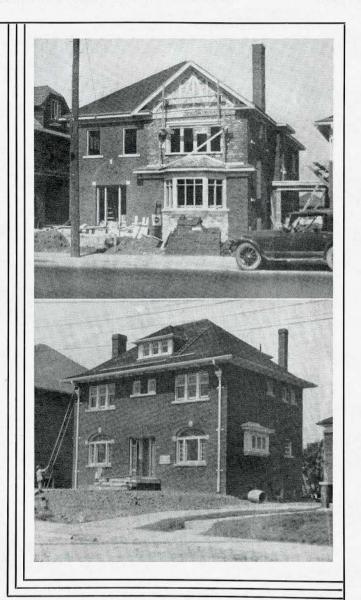
—that this material may be quickly obtained from a Canadian source as we have recently secured the manufacturing and selling rights in Canada.

We will gladly mail you, on request, our new Metalace catalog, showing the wide variety of designs available.

The B. Greening Wire Co., Limited
Montreal HAMILTON Toronto Winnipeg



"There's a RED SEAL"



So strongly insistent are home-buyers for homes with modern electric wiring that they DEMAND to see the "Red Seal." You hear them say, "There's a Red Seal. Let's look at THAT house!" And they are wise for when they see the "Red Seal" they know that the electric wiring is sufficient for an electric range and electric water-heater or electric ironer. They know that the house has "convenience outlets." Your houses should have the benefit of the "Red Seal's" sales appeal.

For other information and complete specifications write or telephone Electric Service League, 302 E celsior Life Building (Elgin 4937).

TORONTO HYDRO ELECTRIC SYSTEM

225 Yonge St.

Toronto



RECENT ARCHITECTURAL BOOKS

Any of the books mentioned in this announcement, as well as those which are reviewed in our columns, may be secured from Architectural Publications Limited at the published price. Carriage and customs duties prepaid.

MODERN ARCHITECTURAL SCULPTURE

By W. Aumonier.

This book contains a representative collection of the best work which has been done in recent years by the most famous carvers in Europe and America. The book embraces all styles, ranging in treatment from the purely orthodox to the ultramodern, and illustrates representative work of all the important countries in the world, including Great Britain, The United States of America, Norway, Sweden, Denmark, Holland, France, Germany, Austria, Czechoslovakia, Jugo-Slavia, Spain and Italy. Academic sculpture, as such, has been regarded as outside the scope of this book, in which only carving which is decorative, or part of an architectural feature, is included. A few examples of modern sculpture are shown however to exemplify the trend of the particular country or artist in the modern movement. The book is 11 ¾ "x 14 ¾ " in size and contains 160 pages of illustrations.

NEW BUILDING ESTIMATORS' HANDBOOK

By William Arthur

\$6.00

A handbook for architects, engineers and builders. No need to guess at cost of doing construction work or the price of material or supplies, no matter what type of structure it may be. An authoritative guide, valuable to every architect.

MODERN ARCHITECTURE

By Bruno Taut

\$10.00

There is a great architectural movement actually taking place at the present time which, to future generations, will be considered as one of great historical importance. A proper understanding of this development is essential to every architect. For this reason, the publishers have prepared this work to serve as a standard guide to the subject, and an architect of world-wide fame, and prominent in the modern movement, undertook to prepare it. Professor Bruno Taut brings to bear his specialized knowledge and judgment both in writing the text and in selecting the illustrations, which include hundreds of the best examples of modern buildings. He makes clear the value of the new style, and dispels those misunderstandings which tend inevitably to arise with regard to a matter of such magnitude as the creation of a new architecture. Contains 212 pages, 9 x 11½", with a large number of illustrations.

THE NEW INTERIOR DECORATION

By Dorothy Todd and Raymond Mortimer

Some 200 illustrations show typical examples of the most serious and original work now being done in Europe and America. The plates include general views of halls, living-rooms, dining-rooms, bedrooms, staircases, etc., and features such as furniture of every kind, lighting fixtures, curtains, carpets, textiles, embroidery and a great variety of painted decoration. Besides the houses of actually contemporary design illustrated, a number of plates show methods of treating and adapting older houses, and in every case the examples range from the quite elaborate and costly to the simple and inexpensive. The photographs are finely reproduced to a large scale to facilitate study and reference. Size 8 3/4" x 111/4"—contains 150 pages.

OLD HOUSES IN ENGLAND

By Rowland C. Hunter.

\$8.50

The book contains over a hundred beautiful halftone reproductions of old English cottages, farm houses, inns, town houses and shops with a few pages of descriptive text and several pages from the author's sketch book showing architectural details. The beauty of this architecture is amazing and so clear and perfect are the pictures that they enable one to detect the material, texture and detail of each building and give an excellent idea as to its natural setting. The volume is $10 \frac{3}{2}$ " x $13 \frac{3}{2}$ " in size, and contains 128 pages, including 114 plate illustrations.

RECENT ENGLISH DOMESTIC ARCHITECTURE

This volume presents the most distinguished record of the English domestic work of the present century yet made. It contains more than one hundred large pages of photographs and plans of the best modern houses by the leading architects of the day; notes on the materials used are given in each case, and where possible the actual building costs, together with the price per cube foot. The houses are arranged in a rough "chronological" sequence. Actually all have been built during the last few years, but those which follow the Tudor style have been placed first, the Georgian second, and finally the Modern.

ARCHITECTURAL PUBLICATIONS LIMITED

160 RICHMOND STREET WEST

TORONTO, ONT.

1888—DARLING BROTHERS LIMITED—QUALITY PLUS SERVICE

On a twenty-foot putt, can you make a perfect putt, or just place the ball near the hole? By comparing your score card with that of your partner, can you tell how good a player you are, or how poor a player he may be?

If you must judge by comparison, make sure that the contestants are at least quite evenly matched in all respects. Particularly is this necessary in checking heating system performance. FORTY-FIVE separate factors must be checked before a safe conclusion can be reached. We have prepared a "Check List" of these 45 variable factors to assist you in your heating estimates. We will send a copy gratis to anybody interested.

A HEATING SYSTEM FOR EVERY NEED AND PURPOSE

Webster Heating Systems are designed for every size and type of building.

Webster MODERATOR Systems provide "controlled by the weather" heating.

IMPROVED Webster Vacuum Systems are "balanced from the start," and can be supplemented by HYLO Vacuum Variator, permitting manual control by building operator.

IMPROVED Webster Type "R" Systems, combining all the advantages of steam and hot water heating, but without limitations.

Full details of any or all of these heating systems will be furnished on request.



Send for the "Check List"

Rrothers

MONTREAL, CANADA

HALIFAX

QUEBEC

OTTAWA

TORONTO

WINDSOR

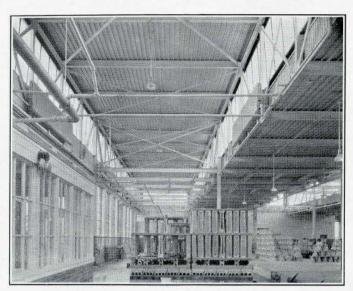
TIMMINS

WINNIPEG

CALGARY

VANCOUVER

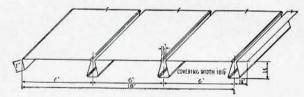
ST. JOHNS, NFLD.



The Crane Plant at St. Johns, P.Q., known as Canadian Potteries Limited

CRANE SPECIFIES HOLORIB

The last word in a light-weight and perfectly insulated roof. Note how the rigid Holorib Roof Decks permit wide spacing of the steel, and unusual economy of construction. Below is shown a section of the Holorib Steel Roof Deck.



This roof deck weighs less than 5 pounds per square foot, including standard insulation. Low insurance rates, and low maintenance costs, follow the initial saving on lighter weight steel. The decks can be placed in any weather that men can work—they are made in standard sizes to facilitate rapid handling and laying.

For full information write:

CANADIAN METAL WINDOW & STEEL PRODUCTS, LIMITED

160 River Street, Toronto 1525 Moreau Street, Montreal



LIST OF ADVERTISERS

NOTE—Advertisers and Advertising Agencies are requested to note that the next issue of the Journal will be published early in August, 1931. Copy should be supplied not later than July 25th.

Anaconda American Brass Limited
ARMSTRONG CORK & INSULATION COMPANY, LIMITEDx
BERRY BROTHERS Inside Back Cover
CALDWELL MANUFACTURING COMPANY XXV
CANADA CEMENT COMPANY, LIMITEDviii
CANADA FLOORING CO. LIMITEDxxix
CANADIAN GENERAL ELECTRIC COMPANY, LIMITED XXVII
Canadian Industries Limitediv
Canadian Johns-Manville Co., Limitedxxviii
CANADIAN METAL WINDOW & STEEL PRODUCTS LTD xxxiv
CANADIAN TUBE AND STEEL PRODUCTS, LIMITEDOutside Back Cover
CANADIAN WESTINGHOUSE COMPANY, LIMITEDxvi
DARLING BROS. LIMITED
Dominion Bridge Company, Limitedxxxii
FRIGIDAIRE CORPORATIONxv
THE B. GREENING WIRE CO. LIMITED
GURNEY FOUNDRY COMPANY LIMITEDxx
Gypsum, Lime & Alabastine, Canada, Limitedxxiv
Hay & Co., Limitedix
Indiana Limestone Co., Limitedii
INTERNATIONAL FIBRE BOARD LIMITED Inside Front Cover
Jenkins Bros., Limitedv
JOHNSON TEMPERATURE REGULATING CO. OF CAN., LTDxi
THE MASTER BUILDERS Co., LIMITED
ROBERT MITCHELL COMPANY, LIMITEDxxi
ALEXANDER MURRAY & COMPANY, LIMITEDxii
NATIONAL CONDUIT COMPANY, LIMITEDxxv
NATIONAL FIRE-PROOFING Co. of CANADA, LIMITEDxxiii
Northern Electric Co., Limited
Geo. Oakley & Sons, Limited
Otis-Fensom Elevator Company, Limitedi
THE PEDLAR PEOPLE LIMITEDxxix
SARNIA BRIDGE COMPANY, LIMITED
The J. C. Scott Co. Limitedxxvi
SISALKRAFT (ALEXANDER MURRAY & COMPANY, LIMITED). XXVI
THE STEEL COMPANY OF CANADA LIMITEDxxii
STRUCTURAL CLAY TILE ASSOCIATIONxiv
TURNBULL ELEVATOR COMPANY, LIMITED,vi
TORONTO HYDRO ELECTRIC SYSTEMxxxi

THE JOURNAL
THE ROYAL ARCHITECTURAL INSTITUTE
OF CANADA

LIQUID GRANITE

the sound specification for

NATURAL FLOORS AND

WOODWORK

You get proved quality—rigidly maintained—when you specify Berry Brothers' Liquid Granite Floor Varnish. Here's the million steptest varnish—a title won in repeated laboratory tests and through generations of use in buildings of all kinds.

Sound practice now dictates specification of Liquid Granite from the bare wood to the last coat. Shellac is no longer used as a sealer. Liquid Granite wears and wears. It is a beautiful finish—durable and elastic. Expanding and contracting with the wood—it clings to the surface—never mars.

It won't chip or peel when properly applied. Repeated washing can't harm this finish—or turn it white.

Handsome rubbed effects without rubbing labor are achieved by blending Liquid Granite Gloss and Dull. This fact is of particular interest to

architects when a special degree of luster is indicated. For speedy work and thoroughly satisfactory results no varnish equals Liquid Granite Quick Drying. Liquid Granite is one of a complete line of architectural finishes. Our architectural department will gladly work with you any time.



BERRY BROTHERS

VARNISHES , ENAMELS , LACQUERS , PAINTS WALKERVILLE, ONT.

FACTORY BRANCHES

Montreal, Quebec

Toronto, Ontario

Winnipeg, Manitoba

Red Diamond

SCALE FREE PIPE

The
GOLD STANDARD
of
PIPE VALUE

Red Diamond Scale Free Pipe is made to meet the supreme tests to which pipe can be subjected. It is the best quality that can be attained both as to material and manufacture.

At every stage and process it is minutely inspected. Every length of **Red Diamond** pipe is tested to 700 lbs. per square inch hydraulic pressure. Every length bears the **Red Diamond** label. On sizes 1½ inch and smaller a metal tag in the same colors is attached to each bundle.

Insist on Red Diamond from your jobber.

We also manufacture Nipples and Couplings, black and galvanized, in all sizes.

CANADIAN TUBE AND STEEL PRODUCTS,

Works at Lachine Canal, Montreal, Quebec