

Cement, Union Cement Co., Owen Sound.
 Concrete Hardener, Master Builders Co., Cleveland.
 Electric Equipment, Cully & Brey, Hamilton.
 Elevators, Otis-Fensom Elevator Co., Toronto.
 Expanded Metal, Trussed Concrete Steel Co., Walkerville.
 Flooring, Concrete, Frid Construction Co., Hamilton.
 Flooring, Linoleum, T. Eaton Co., Toronto.
 Flooring, Terrazzo, Kent, Garvin Co., Hamilton.
 Hardware, Belleville Hardware & Lock Co., Belleville.
 Hardware (Jobber), Kent, Garvin Co., Hamilton.
 Hollow Tile, Sun Brick Co. and National Fireproofing Co., Toronto.
 Hose Reels, Montgomery Faultless Hose Reel Co., Toronto.
 Interior Woodwork, Frid Construction Co., Hamilton.
 Kitchen Equipment, Gurney Foundry Co., Toronto.
 Lockers, Canada Wire & Iron Goods Co., Hamilton.
 Marble, Vermont Marble Co., Peterboro.
 Nurses' Call System, Holtzer-Cabot Co., Boston, and Signal Systems, Ltd., Toronto.
 Ornamental Iron, Dennis Wire & Iron Works Co.
 Paints, Adams & Elting Co., Toronto.
 Plumbing Fixtures, Imperial Products, Ltd., Toronto.
 Refrigeration, John Hillock & Co., Toronto.
 Reinforcement, Trussed Concrete Steel Co., Walkerville.
 Roofing, Thos. Irvin Co., Hamilton.
 Screens, Watson, Ltd., Bradford, Ont.
 Steel Furniture, Metal Craft Co., Grimsby.
 Sterilizers, King-Sherrer Co., New York.
 Tile, Kent, Garvin Co., Hamilton.
 Ventilators, Sheldons, Ltd., Galt.
 Varnish, Adams & Elting Co., Toronto.
 General Contractors, Frid Construction Co., Hamilton.

Weston Sanatorium, Weston.

Brick, Wm. Pears, Toronto.
 Boilers, Gurney Foundry Co., Toronto.
 Beds, Ideal Bedding Co., Toronto.
 Concrete Contractor, A. C. Richmond.
 Electric Fixtures, McDonald & Wilson, Toronto.
 Electric Equipment, Hudson Electrical Co., Toronto.
 Elevators, Otis-Fensom Co., Toronto.
 Fire Doors, W. B. Dillon Co., Toronto.
 Fire Extinguishers, Purdy, Mansell Co.
 Flooring, Terrazzo, Italian Mosaic & Marble Co., Toronto.
 Hardware, Belleville Hardware & Lock Co., Belleville.
 Hardware (Jobber), Alkenhead Hardware, Ltd., Toronto.
 Heat Regulators, Purdy, Mansell Co., Toronto.
 Interior Woodwork, Walker & Robertson, Toronto.
 Kitchen Equipment, Moffatt Stove Co., Weston.
 Mason Contractor, Teagle & Son, Toronto.
 Plumbing Fixtures, Standard Ideal Co., Toronto, and H. Mueller Mfg. Co., Sarnia.
 Plaster, Andrew Petrie Co., Toronto.
 Refrigeration Machinery, Canadian Ice Machine Co., Toronto.
 Radiators, Gurney Foundry Co., Toronto.
 Screens, Watson, Ltd., Bradford.
 Steel Furniture, Metal Craft Co., Grimsby.
 Stone, Artificial, Toronto Ornamental Stone Co.
 Structural Iron, Reid & Brown, Ltd., Toronto.

BUILDING PERMITS.

Total value of permits issued at Vancouver for the month of May, 1917, was \$47,975, against that of \$32,980 for the same month last year, showing an increase of \$14,995.

CANADIAN FIRM SECURED CONTRACT.

The elevator contract for the W. C. Kennedy service building at Windsor, Ont., has been awarded to the Otis-Fensom Elevator Co., and not to the Houghton Elevator Co., Detroit, as stated in our May issue.

PERSONAL.

Edward Holgate, who has been chief draftsman with the Structural Steel Company of Montreal for the past seven years, has accepted a position as chief engineer with MacKinnon, Holmes & Company, Limited, of Sherbrooke, Que.

PROTECTING HOSPITALS FROM FIRE.

In the Ross Memorial and St. Joseph's Hospitals, described in this issue, and in many other public, office and factory buildings recently erected in Canada, the Montgomery Faultless Hose Reel has been installed. This reel is so simple in its operation that a nurse can use it. The reel is so built that the water can be turned on without unrolling the hose, as the staves supporting the hose collapse, allowing of its expansion. Only sufficient hose is unrolled to carry the water to the blaze, and the hose, being wound, and not folded, lasts, by actual test, five times as long, besides eliminating the danger of having the hose break at the kinks when the water is turned on.

NEW MAUSOLEUM AT TORONTO.

Building operations upon the new Mount Pleasant Cemetery Mausoleum, Toronto, which will be the second largest in America, are now under way, and it is expected that the work will be well nigh completed before summer is over. The structure will cost some \$350,000. The exterior will be of solid granite, and the interior of granite and marble. There will be 1,100 crypts and 24 private rooms with from ten to twelve crypts each. A beautiful chapel will be situated immediately within the entrance doors. The mausoleum will be 225 feet long and 125 feet in width, and second only in size to the Chicago Mausoleum. It was designed by Frank Darling, Toronto, and is in the Doric style of architecture. The lighting of the interior consists of an arrangement of ten large stained glass windows.

VENTILATION EQUIPMENT FOR HOSPITALS.

In view of the many hospitals being erected or under contemplation in all parts of Canada, and that many buildings erected for other purposes are being remodelled into temporary hospitals, it is desirable that the ventilation needs of hospital buildings be emphasized.

Wounded and disabled soldiers, and any persons who find it necessary to receive hospital treatment, require fresh air as one of the first essentials to an early recovery. While hospital boards are too frequently hampered by lack of sufficient appropriation

for purchase of equipment, the inclusion of proper ventilation apparatus is one of the most important items to be specified in a hospital building.

The modern practice with regard to ventilation for hospitals is to supply a constant volume of fresh air which has previously been washed and filtered into the operating suites, private wards, semi-private wards and public wards, each suite of wards being handled independently, and this supply of air is then exhausted from the kitchens, lavatories, service rooms and etherizing rooms.

The three large hospitals recently erected in Hamilton and featured in this issue, are equipped with Sheldon ventilating appliances throughout, similar to that installed in the Toronto General Hospital, Wellesley Hospital, St. Michael's Hospital, Weston Sanitarium, Toronto, and many other hospital buildings throughout Canada.

ESTABLISHES CANADIAN PLANT.

Canadian purchasers of steel products will be interested to learn that the Pittsburgh-Des Moines Steel Company, formerly known as the Des Moines Bridge & Iron Company, with works at Pittsburgh, Pa., and Des Moines, Iowa, has recently established a plant at Chatham, Ont. This Canadian branch of the company, known as the Canadian Des Moines Steel Company, Limited, has purchased the property of the Chatham Bridge Company, Limited, and has enlarged and completely equipped this plant to handle the manufacture of all standard types of steel structures, including mill buildings, office buildings, fire escapes and bridges. In addition to this they will also make a specialty here, as in the States, of the manufacture and erection of elevated steel tanks and other special structures, such as stand-pipes, storage tanks, smoke stacks, barges and coaling stations. In future all sales in the Canadian territory will be handled from Chatham, and all steel for delivery in Canada will be fabricated at this point.

DEVELOPING QUARRY PLANT NEAR WINDSOR.

Extensive developments are being made by the Brunner Mond, Canada, Limited, Amherstburg, Ontario, at the Amherstburg quarry, which they control. Several new buildings are being erected and several old ones altered.

The excavation for the main part of the plant has been completed, and the foundation for the machine shop is under way, while the subway to the boiler house is partly completed. The machinery at the quarry will be tried out, the crusher tested, and work of getting stone out for the concrete will be proceeded with at once. Cement, gravel and steel necessary are also on hand, and the railway from the quarry to the site of the plant has been laid. A residence has been converted into an office building, and another one into a first aid hospital. Houses around the quarry have been fitted up for employees.

Stone from this quarry is said to have gone into the first U. S. ship canal at the American Soc, and it is known that all the stone for the Canadian lock at the Soo came from here.

The property has been operated by different persons for many years, but the present development is on a more extensive scale than before attempted. Mr. Rutherford is general manager.

CATALOGUES and BOOKLETS

How to Know Good Lighting.—A very interesting booklet on indirect lighting has been issued by the National X-Ray Reflector Company, Chicago, illustrating numerous views of office interiors, banks, hotels, stores, clubs, churches, hospitals, schools, libraries and public buildings, many in Canadian cities in which the indirect system is used. The booklet is of interest to any architect having an interior lighting problem to consider.

New Corr-Mesh Catalogue.—The Corrugated Bar Company, of Buffalo, N.Y., reinforced concrete specialists and distributors of Corr-Products, has just issued a very attractive and useful catalogue on Corr-Mesh. Corr-Mesh is a stiff-ribbed diamond mesh expanded metal employed on reinforced concrete, plaster and general stucco work. Two kinds are manufactured, one having ribs 3/4-inch high, and the other having ribs 5-16-inch high. The forepart of the catalog is given over to a detailed description of the material, its advantages and various applications. The pages following are devoted to designing tables, graphical construction details and specifications relating to the use of Corr-Mesh in partitions, exterior walls, floors, roofs and ceilings respectively. Construction photographs showing the method of handling and erecting the material, and, incidentally, its wide and universal application, are scattered throughout the catalog in pleasing effect. The catalog contains much data which is valuable to the architect, engineer and contractor, and copies may be procured by addressing the Corrugated Bar Company, Mutual Life Building, Buffalo, N.Y.

R O O F I N G

THE roofing of the Ross Memorial Hospital featured in this issue is one of a number of outstanding buildings recently completed by us.

We are thoroughly equipped to handle any roofing contract.

Estimates
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for all
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