## RESIDENCES

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Hamilton, Ont.—Work is starting on the erection of two brick residences to cost \$3,000 each for J. McNaught, 477 Wilson Street. The contractors for the various trades are as follows: Plastering, H. Trewolla, 729 Cannon Street, E.; plumbing, J. H. Kerr, 32 Sherman Ave. North; electrical work, F. Thornton, 174 Balmoral Avenue. The owner will do masonry, carpenter work and roofing.

London, Ont.—Thos. Redge, 286 Huron Street, has the contract for remodelling residence of Edward Shea, 572 Wellington Street. Cost \$3,000.

Ottawa, Ont.—W. Villeneuve has the general contract for erecting a brick veneer residence, 1½ storeys, for W. C. Leech, 140 Spadina Avenue. Cost \$2,500.

Toronto, Ont.—The three-storey brick and stone residence of E. Taylor, 140 Cariton Street, is being converted into apartments, at a cost of \$8,400.

Toronto, Ont.—A permit has been granted to H. Bell, 1847 Dufferin Street, for the erection of three attached stores and dwellings on the north side of St. Clair Avenue, to cost \$10,000.

# CONTRACTORS and SUB-CONTRACTORS

As Supplied by The Architects of Buildings

Featured in This Issue

Connaught Laboratories, University of Toronto

Connaught Laboratories, University of T Boiler, Warden King, Limited. Carpentry, Geo. Sparling. General contractors, Hoitby Bros. Electric equipment, R. A. Lister & Co. Heating, Fiddes & Hogarth. Hollow tile, Sun Brick Co. Ornamental iron, Dennis Wire & Iron Goods Co. Plastering, R. C. Dancy & Sons. Refrigerator, John Hillock & Sons. Refrigeration equipment. Linde Canadian Co. Sheet metal, Geo. Duthie & Sons. Structural iron, Hepburn & Disher.

Brown Copper & Brass Rolling Mill

Architect, Henry Simpson.
Boilers, Dominion Radiator Co.
Brick, Milton Pressed Brick Co.
General contractors, Holtby Bros.
Interior woodwork, Jas. McKenzie.
Radiators, Dominion Radiator Co.
Terra cotta, Federal Terra Cotta Co.
Vaults, J. & J. Taylor.

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Palmolive Soap Company's Building
Art stone, Cockburn Lumber & Concrete Co.
Brick, Mitton Pressed Brick Co.
Electric equipment, E. W. F. Salisbury.
Elevator, Otis-Fensom Elevator Co.
Fire doors, A. B. Ormsby Co.
General Contractors, Russell, Navin Construction Co.
Hollow tile, National Fireproofing Co.
Painting, J. Cohen & Son.
Plastering, E. C. Cates.
Plumbing, Sheppard & Calvin.
Radiators, A. Welch & Son.
Reinforcing, Baines & Peckover.
Roofing, Bird & Son.
Sash, Steel & Radiation Ltd.
Stone, Geo. Oakley & Son.
Structural iron, Dennis Wire & Iron Goods Co.
Vaults, J. & J. Taylor.
Ventilating system, Geo. Matheson.

Norlite Building, Ottawa

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Norlite Building, Ottawa
Boilers, Weil Bros.
Electric wining, McCallum Electric Co.
Electric fixturés, McDonald & Willson.
Elevators, A. B. See Electric Elevator Co.
Galvanized iron, McFarlane-Douglas Co.
General contractors, Doran & Devlin.
Interior finish, James Hill.
Marble and tile, Italian Mosaic and Marble Co.
Painting and glazing, J. B. Duford, Ltd.
Marble, Missisquoi Marble Co.
Plastering, Frank Hunt.
Plumbing and heating, Gauthier & Co.
Plumbing inxtures, Cluff Bros.
Radiator traps, C. A. Dunham Co., Ltd.
Radiators, Gurney Foundry Co.

Reinforcing, Trussed Concrete Steel Co. Terra cotta, Atlantic Terra Cotta Co. Tile, Denison Interlocking Co.

C. P. R. Terminal, Vancouver

C.P.R. Terminal, Vancouver
Architects, Barrot, Blackader & Webster.
Elevators, Otis-Fensom Elevator Co.
Generators, Canadian Westinghouse Co.
Glass, Pilkinton Bros.
Heating, American Radiator Co.
Ice machines, Linde Canadian Refrigerating Co.
Ornamental iron work, Mitchell Co.
Paints, Sherwin-Williams Co.
Roofing, Standard Paint Co.
Steel, Coughlan & Son.
Stone, trim, Bedford Stone Co.
Ventilating fans, Sheldons, Ltd.

### Ant Museum, Toronto

Ant Museum, Toronto
Cut stone, Indiana Quarries.
Electric equipment, Crouse Hinds Company, Squad D Company.
Electric lighting, Geo. J. Beattie & Co.
Elevator, Otis-rensom Elevator Company
Floors, David E. Kennedy Company.
Floors, Geo. W. Koch.
Glass, Jos. McCausland & Son.
Hollow tile, Denison Interlocking Tile.
Marble, Vermont Marble Company.
Metal skylights, Architectural Bronze & Metal Co.
Roofing, Geo. Duthie & Sons.
Stone contractors, Witchall

## THE AUTOMALIC TELEPHONE

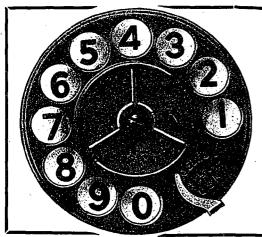
The need of adequate telephone service has become more emphasized under war conditions than ever before. In this issue are shown cuts and a description of the new office building erected in New Toronto last year by Brown's Copper & Brass Rolling Mills, Limited. This concern have installed a complete private automatic telephone system throughout their offices and works and are now able to keep all departments in instant touch without in any way delaying or interfering with their outside telephone service.

The telephone switchboard behind a plate glass panel at the side of the stair landing. The motor generator set and storage battery are located in the basement immediately below and the charging of the storage battery is automatically controlled from the switchboard.

Twenty desk telephones are located throughout the office building and from the office building to the plant a lead covered cable is run on a private pole line. Distribution cable is run along the outside wall of the factory on the street side branching into every building to serve the telephones in that section. The factory installation in itself shouldes thirty desk telephones serving all departments.

The garage telephone is approximately 3,000 feet from the switchboard, but when talking from it to any other part of the plant the voice transmission is just as clear and distinct as if the two phones were in the same room. This is easily understood when it is known that the same equipment is being used for long distance work in Western Canada.

In connection with the automatic telephone, the automatic code system is installed by which the executives can be instantly located no matter where they are in the plant. This code system, it is claimed, is the only one on the manket that is fied into the telephone systems of that a code call on the separate code bells or horns throughout the plant can be put on from any telephone and answered from any other telephone, thus starting and stopping the code bells and making instant connection for talking. In s



# The Automatic Telephone For Private Plant Service

Brown's Copper & Brass Rolling Mills Co., Ltd., New Toronto, 50 Line Massey-Harris Co., Ltd. . . . . . . . . . Toronto . . . . 100 Gutta Percha & Rubber, Ltd. . . . . . . . Toronto . . . . 100 John Bertram & Sons Co., Ltd. . . . . . . Dundas .... 100 Lake Superior Paper Co. ....... S. Ste. Marie. 100 Electro Metals, Ltd. ...... " Welland ... 50 McIntyre Porcupine Mines ....... Schumacher.. 50 Hamilton Hydro Electric System ..... Hamilton ... 25

SIGNAL SYSTEMS, LIMITED OUEEN EAST TORONTO, ONT. **26 QUEEN EAST**