

## CATALOGUES and BOOKLETS

### GRAVITY ROLLER HINGES.

Among the new devices on the market is the Carpenter Gravity Roller-Bearing Hinge for toilet room doors, office railing gates, partition doors, etc. The basic principle of this hinge is the replacement of spring action by gravity action, which the manufacturer axiomatically observes "never wears out." It consists of five parts only and has no pins or superfluous parts to get loose or out of order. The upper hinge is essentially a heavy casting with a pivot carried in a pocket. The lower hinge is of similar design with the weight of the door carried on a wheel rolling on a double incline. A more complete description together with practical illustrations is contained in a folder issued by the R. F. Carpenter Company, Cleveland, Ohio, which will be sent upon request.

### BLOWERS, FORGES, AIRWASHERS, ETC.

A most comprehensive line of blowers and forges adaptable to every use for which equipment of this kind is required, is illustrated in a 112 page catalogue issued by the Buffalo Forge Company, Buffalo, N.Y. It consists mainly of excellent half-tone cuts with practical information and alphabetic and numerical indexes which will be found to be a very convenient feature. The company manufactures steam engines and turbines, fan system apparatus for heating, ventilating, drying and mechanical draft. Also air-washers, humidifiers and dehumidifiers, combination woodworking machines, etc. The Canadian factory is located at Kitchener, Ont., under the name of the Canadian Blower & Forge Company. This plant together with the company's works at Buffalo is shown in the frontispiece.

### "THE INDUSTRIES OF BRITISH COLUMBIA."

One certainly feels better acquainted with the importance of British Columbia after examining the publication under the above title, regarding a copy of which we are indebted to the Progress Publishing Company, Vancouver. It represents a most thorough compilation issued for the Manufacturers Association of British Columbia, which gives a complete summary of the various industrial and natural resources of the Pacific Coast district. In addition to giving statistics on the lumber trade, mining, fisheries, power development and agricultural and manufacturing activities centred in that province, it contains much useful information of a general character. The book incorporates one hundred and thirty-eight pages in all, and is illustrated with interesting views covering a large number of subjects.

### FUEL ECONOMY.

Fuel economy at the present time is one of the nation's biggest problems, and anything which will effect a saving of fuel elements is a matter of utmost importance. One way to help out the situation is to increase the boiler efficiency so as to get the most perfect combustion and heat value. The fact that air is allowed to filter into a boiler through a porous brick setting causes an enormous fuel loss, and because the air doesn't hiss and constantly call attention to its escape, the loss goes on unchecked. In order to overcome this a preparation has been put on the market called "Nox-Aer-Leek," which, it is claimed, stops the infiltration of air, thereby raising the percentage of CO<sub>2</sub> gas and effecting a saving in coal bills.

"Nox-Aer-Leek" is a plastic cement composed of elastic bitumen fused with non-drying oils and asbestos fibre. It is trowelled on the exterior walls of the boiler setting and makes the setting air-tight and moisture proof. It adheres firmly to the brick, and will not dry out or become hard and brittle. Instead, it is said to remain permanently elastic, contracting and expanding with the walls. "Nox-Aer-Leek" is one of the products of the Barrett Mfg. Company, who have warehouses in all the principal Canadian cities, and who will gladly supply prices and full information as to its covering capacity and efficiency to any one interested.

## CONTRACTORS and SUB-CONTRACTORS

As Supplied by the Architects of Buildings  
Featured in This Issue

### LORD ROBERTS SCHOOL, LONDON, ONT.

Boiler, E. Leonard & Sons.  
Brick, Interprovincial Brick Company.  
Brick, Milton Pressed Brick Company.  
Electric fixtures, Benson & Wilcox.  
Electric wiring, Commercial Company.  
Fire doors, Dennis Wire & Iron Works Co., Ltd.  
General contractor, Samuel Willis.  
Heating and plumbing, Noble & Rich.  
Heat regulators, Canadian Power Regulator Company.  
Iron stair, Dennis Wire & Iron Works Co., Ltd.  
Masonry and concrete, John Futherbough.  
Plastering, William Scott & Son.  
Reinforcing, Trussed Concrete Steel Company.  
Roofing, Walter Scott.  
Steel partitions, Dennis Wire & Iron Works Co., Ltd.  
Terrazzo floors, Italian Mosaic & Marble Company.

### ABERDEEN SCHOOL, LONDON, ONT.

Boilers, Pease Foundry Company.  
Brick, Milton Pressed Brick Company.  
Electric wiring and fixtures, Commercial Electric Company.  
General contractor, John Hayman & Sons.  
Glass, Hobbs Manufacturing Company.  
Hardware, Cowan Hardware Company.  
Heat regulation system, Canadian Power Regulator Company.  
Plumbing, Eggett & Company.  
Plumbing fixtures, Standard Ideal Company.  
Plumbing fixtures, Standard Sanitary Company.  
Vacuum system, Tucc Vacuum Cleaning System.

### TECUMSEH SCHOOL, LONDON, ONT.

Boilers, E. Leonard & Sons.  
Brick, Milton Pressed Brick Company.  
Electric wiring and fixtures, Commercial Electric Company.  
Glass, Hobbs Manufacturing Company.  
Hardware, Cowan Hardware Company.  
Heat regulating system, Johnston Temperature Regulator Company.  
Plumbing fixtures, Standard Ideal Company.  
Plumbing fixtures, Standard Sanitary Company.  
Plumbing, Noble & Rich.

### PARK SCHOOL, TORONTO

Ash hoists, Herbert Morris Crane & Hoist Company.  
Boilers, John Inglis Company.  
Brick, Bell Brothers.  
Concrete, A. C. Richmond.  
Electric wiring, A. R. Rice & Company.  
Fire alarm system, Wilson & Cousins.  
Hardware, Vokes Hardware Company.  
Heating contractor, Purdy, Mansell Limited.  
Heat regulators, Johnston Temperature Regulator Company.  
Hollow tile, Don Valley Brick Works.  
Interior woodwork, Wm. Williamson.  
Marble, Canada Glass, Mantle & Tile Company.  
Mason contractor, Lucas & Son.  
Metal lath, Trussed Concrete Steel Company.  
Ornamental iron, Canadian Wire & Iron Goods Company.  
Painting, J. R. Bell.  
Plumbing fixtures, Imperial Products Company.  
Plumbing fixtures, Twyford & Company.  
Plumbing, Purdy Mansell Limited.  
Radiators, Dominion Radiator Company.  
Seating, Canadian Office & School Furniture Company.  
Seating, Globe Furniture Company.  
Sheet metal, W. E. Dillon Company.  
Stained glass, Luxfer Prism Company.  
Stone, Queenston Quarry Company.  
Structural iron, Hepburn & Dishar.  
Terrazzo, Venetian Marble & Mosaic Company.

### LAMBTON MILLS' (ONTARIO) SCHOOL

Boilers, Pease Foundry Company.  
Brick, William Pierce.  
Carpenters, Hudson & Mosley.  
Chemical closets, Kaustine Company, Ltd.  
Electric wiring, W. H. Moon & Company.  
Hardware, Canada Hardware Company.  
Heating, R. Patterson.  
Painting, R. G. Johnston.  
Paints, International Varnish Company.  
Plastering, Taylor & Nesbitt.  
Plumbing, R. Patterson.  
Roofing, J. H. Kidd.  
Stone, John Vokes.  
Structural steel, Hepburn & Dishar.

### COLLEGIATE INSTITUTE, WINDSOR, ONT.

Boilers, Kewaunee.  
Brick, Chick Contracting Company.  
Cement, Canada Cement Company.  
Clocks, International Business Machines.  
Cut stone, Ritchie Cut Stone Company.  
Electric wiring, McNaughton-McKay.  
Fire alarm system, McNaughton-McKay.  
Flooring, W. A. Hadley.  
General contractors, Well & Gray, Limited.  
Hardware, Baxter Hardware Company.  
Heat regulators, Canadian Power Regulator Company.  
Hollow tile, National Fireproof Company.  
Interior woodwork, Windsor Lumber Company.  
Lockers, Canada Wire & Iron Goods Company.  
Ornamental iron, Page Wire Fence Company.  
Paints, C. M. Bennett.  
Plumbing fixtures, Windsor Hardware Company.  
Radiators, American Radiator Company.  
Radiator traps, C. A. Dunham Company.  
Reinforcing, Steel Company of Canada.  
Roofing, Canadian Roofing Company.  
Structural iron, Canadian Bridge Company.  
Terrazzo, Bertini Company.  
Ventilators, Canadian Sirocco Company.

### ACADEMIE DU ST. NOM DE MARIE, MONTREAL

Ash hoist, Gillis & Geohagen.  
Blackboards, Lepage Marble Works Company.  
Boilers, Spencer Heater Company of Canada.  
Brick, Ulric Paris.  
Cement, Alex. Bremner.  
Flooring, A. Choquette.  
General contractor, A. Choquette.  
Hardware, Durand Hardware Company.  
Interior woodwork, Carriere & Frere.  
Hollow tile, Montreal Terra Cotta Lumber Company.  
Ornamental iron, Montreal Architectural Iron Works, Limited.  
Paints, Colas & Charest.  
Plumbing fixtures, Jas. Robertson Company.  
Radiators, Warden King Company.  
Stone, Victor Quarries.  
Terra cotta, Montreal Terra Cotta Lumber Company.  
Ventilators, Modern Heating & Engineering Company.

### TIME CLOCKS FOR SCHOOLS.

The International Business Machines Company, Limited, installed in the new Windsor Collegiate Institute a Master Clock and 36 Secondary Clocks. The Secondary Clocks are distributed throughout the different parts of the building, and are all controlled electrically by the Master Clock, so that there is uniform time throughout the entire institute. This equipment also embodies the automatic ringing of bells for the dismissal of classes and the recalling of same.

The International Business Machine Company's products are made in Canada and they are building a new factory, at Royce and Campbell Avenues, Toronto, to take care of the increased demands for their different time recording equipments, which are becoming so universally used throughout the Dominion.

They also recently installed one of their splendid equipments in the London Technical School, and have a long list of public users.