

C. H. VOGEL

A. M. Can. Soc. C.E.
 OTTAWA, CAN. **ENGINEER**
 Surveys, Plans, Specifications and Supervision
WATER POWER
 PAPER, PULP and SULPHITE FIBRE MILLS

The
ELECTRICAL SUPERVISION SOCIETY

K. L. AITKEN, Chief Engineer,
Supervising and Consulting
 161 Bay Street, - - TORONTO, ONT.
 Phone Main 2568.

T. A. MORRISON & CO.

202 St. James Street. - MONTREAL

New and Second Hand Contractor's Plant
 Stone Crushers, Concrete Mixers, Rock Drills,
 1 Baldwin L.C.R. Standard Gauge Locomotive,
 35 tons, cylinder 14 x 22, 110 S.P.,
 30 Dump Cars, Narrow Gauge, 23 yards.
 Boilers, Engines, Steam Shovels, etc.

DR. GEO. ARCHBOLD, M.A.,
TECHNICAL CHEMIST

PRESCOTT, ONT.

Dr. Archbold is technical adviser to three of the
 oldest firms in U.S.A. Terms on application.

E. VON DER OSTEN & CO.

Consulting Engineers

Industrial Plants, Waterworks,
 Lighting and Power Plants,
 Sewerage and Sewage Disposal
 Garbage Reduction Plants,
 Municipal Improvements.

Roucosvalles Ave. and High Park
 Boulevard,
 TORONTO, ONT.

RODERICK J. PARKE

A.M. AMER. INST. E.E.
 A.M. CAN. SOC. C.E.

CONSULTING ENGINEER

Janos Building, - - TORONTO
 Long Distance Telephone.

TO MANUFACTURERS: - Advice and specifications
 covering Industrial Applications of Elec-
 tricity—Lighting—Power Transmission
 Factory Power Distribution - Steam
 Plants.

TESTS—REPORTS—VALUATIONS.

"WYNN FIRE BRICK"

For Furnaces, Rolling Mills,
 Steel Works, etc.

W. H. WYNN & CO., WEST DECATUR
 Clearfield Co., Pa.
 U.S.A.

The Howe-Buller Co.
 CLEVELAND, O.

FIRE BRICK SILICA FIRE CLAY
 ALUMNITE
 SILICA CEMENT
 MACHESITE BURNT MACHESITE

Our factories are the most complete in the
 country. Located in Pennsylvania, Ohio, and
 Kentucky—and controlling the largest known
 bodies of refractory materials for different work.
 Operated by experienced managers. We manu-
 facture material for all heat work—second to
 none.

Capacity over 200,000 Brick and Special Shapes
 per day. Write for catalogue.

R. S. KELSCH

Mem. Am. Inst. E. E. - Mem. Can. Soc. C. E.

Consulting Engineer

38 Victoria Square, MONTREAL

LONG DISTANCE PHONE

OFFICE AND RESIDENCE

Cable Address: "Kelsch, Montreal"

Late General Superintendent and Engineer of
 The Lachine Rapids Hydraulic & Land Co.,
 Limited.

Design and Construction of Transmission,
 Lighting and Power Plants of every description.
 Underground System, Conduit,
 Estimates, Reports and Arbitrations.
 Twenty years' practical experience.

T. T. SIMPSON

A.M. Amer. Inst. E.E.

CONSULTING ENGINEER

DESCHENES,
 QUE.

OTTAWA,
 55 Sparks Street.

LONG DISTANCE PHONE 1358.

Factory Light and Power Distribution.

Long Distance Transmission.

Reports—Tests.

Specifications—Valuations.

ROBERT W. HUNT & CO.

Bureau of Inspection, Tests and Consultation.

66 Broadway, New York; 1121 The Bockery,
 Chicago; Monongahela Bank Bldg., PITTSBURGH;
 Norfolk House, Cannon St., E.C. LONDON.

Inspection of Rails and Fastenings, Cars, Loco-
 motives, Pipe, etc.; Bridges, Buildings and other
 Structures. Chemical and Physical Laboratories.
 Reports and estimates on properties and processes.

JOHN J. GARTSHORE

83 Front St. W., Toronto.

Rails and SUPPLIES,

New and Secondhand.

For RAILWAYS, TRAMWAYS, Etc.
 Old material bought and sold.

SPECIAL WORK.

WE are equipped to make any desired machine
 complete from drawings. We make a spe-
 cialty of designing new machines for Labor Saving
 Purposes. We also make a specialty of Special
 Tools and Die Work, Rubber Moulds, etc. Experi-
 mental machines perfected. We can handle any
 order of reasonable size promptly and economically.

Call or write for estimates.

A. P. HOLDEN, - Mechanical Expert.

107 and 109 Adelaide St. West., Toronto, Ont.

MOTORS

FOR ALL CIRCUITS.

Direct or Alternating

Phone Main 4227.

**THE ELECTRIC ENGINEERING AND
 SUPPLY COMPANY**

St. Hilaire Station, Que., Canada.

Established 1873. Telephone Main 1889.

THOMAS HEYS & SON

CHARLES H. HEYS, Manager

CHEMICAL and MINING EXPERTS.

Analyses of all commercial products, etc. Plans
 and reports on mines and mining locations.
 114 Bay Street, TORONTO, ONT.

THE DELANO-OSBORN ENGINEERING CO.

Consulting Engineers LIMITED

Civil, Mechanical and Electrical Engineer-
 ing, Power Plants, Manufacturing Establish-
 ments. Inspections, Tests and Reports.

Manning Chambers, TORONTO, ONT.

EDWARD RAMAGE

SHIP BUILDER

Steel Tank, Structural and Ship Work.

Steel Hulls and Frames for Composite Tugs and
 Vessels; Repairs and Alterations. Estimates on
 application. Office and Works:

Foot of Berkeley St., - Toronto, Ont.

H. D. PETRIE

Barrister, Solicitor, Notary

Spectator Building,
 HAMILTON, ONT.

Companies Incorporated.

Commercial Law and Collections.

NEFF & POSTLETHWAITE

CHARTERED ACCOUNTANTS

26 Wellington St. East, TORONTO
 Phone Main 1330.

Audit and investigations a Specialty.

PATENTS

TRADE MARKS, Etc.

HANBURY A. BUDDEN

NEW YORK LIFE BUILDING,
 MONTREAL.

S. DILLON - MILLS

MINING EXPERT

Mining Properties examined and developed,
 reports furnished. Twenty years' experi-
 ence in Furnace and Mining Work.

638 HURON STREET. - TORONTO

MACHINERY

—FOR—

WIRE DRAWING MILLS

AND

CHAIN WORKS.

—AND—

SEWER PIPE PRESSES

AND

SOCKET DIES.

WRITE FOR PRICES.

The TURNER, VAUGHN & TAYLOR CO.

Cuyahoga Falls, O., U.S.A.