

## MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

**WILLIS CHIPMAN**

Hon. Grad. McGill University.  
M. Can. Soc. C.E. M. Am. Soc. C.E.  
Mem. Am. W.W. Ass'n.

**WATERWORKS, SEWERAGE WORKS, GAS  
WORKS, ELECTRIC LIGHT AND  
POWER PLANTS**

Reports, Surveys, Construction, Valuations

**103 BAY STREET - TORONTO**

**R. E. SPEAKMAN, C.E.**

A. M. Inst. C. E., 1873.

**CONSULTING ENGINEER**

Waterworks, Sewerage and Sewage Disposal.  
Municipal Improvements.  
Granolithic Pavements.  
Electric Light Plants.  
Drainage and Irrigation of Land.  
Coal Handling Plant and Machinery.  
Plans, Specifications and Estimates.  
Construction and Valuations.

Canada Life Building - TORONTO

**E. VON DER OSTEN & CO.,**

Consulting Engineers

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

Roncesvalles Ave. & High Park Road,  
TORONTO, ONT.

Cable: Ackcoll

**J. J. COLLINS**

**B.A.S., C.E., M.E., E.E.**

Consulting Engineer

Ottawa, Ont., Canada

**RODERICK J. PARKE**

A.M. Can. Soc. C.E. A.M. Amer. Inst. E.E.

**CONSULTING ELECTRICAL ENGINEER.**

Electrical Light and Power.  
Steam Plants, Gas Power Plants, Water  
Power Plants.  
Estimates, Tests, Reports, Valuations.

88-89 James Building - TORONTO, CAN.

Long Distance Telephones-Office and Residence  
Cable: All-ess "Rodparke" (W. U. Code.)

**John H. Jackson**

**CIVIL ENGINEER**

**WATER POWER, ELECTRIC RAIL-**

**WAYS, STRUCTURAL STEEL.**

**Niagara Falls, Canada**

Associated with Charles H. Mitchell,  
C. E., Hydraulic Engineer.

**CECIL B. SMITH, M.A.E.**

M. Can. Soc. C.E.

**Constructing and Consulting Engineer**

Hydraulic Power Plants, Municipal, Railway,  
and general Civil Engineering Work.

Plans, Estimates, Specifications, Reports.  
Cement, Concrete, and Steel Concrete  
Phone Main 574.

**36 Toronto Street, Toronto.**

**CHARLES BRANDEIS**

A. M. Can. Soc. C. E., A. M. Amer. Inst. E.E.  
Mem. Amer. Electro-Chemical Soc., Etc.

**CONSULTING ENGINEER**

Estimates, Plans and Supervision of Hydraulic  
and Steam-Electric Light, Power and Railroad  
Plants. Specifications, Reports. Switchboard  
Designs, Complete Factory Installations, Elec-  
tric Equipment of Mines and Electro-Chemical  
Plants.

Long Distance Telephone Main 3256.

Cable Address: Brandeis-Montreal.

W. U. Code, Univ. Edition.

62-63 Guardian Building

MONTREAL

A TRIUMPH OF THE METALLURGIST'S ART

**MANGANESE**

Anti-Friction

Babbitt Metal.

Syracuse Smelting Works, Montreal.

**"Giant Brand" Portland Cement**

Manufactured at BLUE LAKE

Gives universal Satisfaction. (Used exclusively on all work by the City of Brantford and other place)

**THE ONTARIO PORTLAND CEMENT CO., LIMITED**

Head Office: Brantford, Ont.

Long Distance Phone 194.

**THE CANADIAN SEWER PIPE CO.**

MANUFACTURERS OF



FOR

**Sewers, Culverts and Water Pipes**  
**Inverts for Brick Sewers**

WRITE FOR DISCOUNTS

**ST. JOHNS, P.Q.**

**HAMILTON, ONT.**

**TORONTO, ONT**

**ALSEN'S, 45 Broadway, NEW YORK****THE OFFICIAL PRACTICAL  
TEST OF CONCRETE VAULT  
LIGHT CONSTRUCTION**

UNDER THE PERSONAL DIRECTION  
OF

WM. BARCLAY PARSONS, C.E., M. Am. Soc. C.E.  
CHIEF ENGINEER R. T. COMMISSION

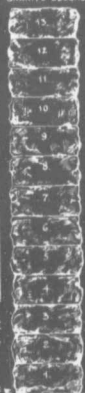
AND

S. L. F. DEVO, C.E., M. Am. Soc. C.E.  
CHIEF ENG. R. T. SUBWAY CONSTRUCTION CO.

ALSEN'S HAS BEEN SELECTED IN PREFERENCE  
TO ALL OTHER BRANDS, FOR THE SUBWAY

RAPID TRANSIT STA-  
TIONS OF THE ENTIRE  
SYSTEM, REACHING  
FROM THE BATTERY  
TO THE BRONX.

GRANITE BLOCKS



MERELY SUSPENDED BETWEEN I-BEAMS  
A SLAB OF

**ALSEN CONCRETE**

2 INCHES THICK  
8 FEET WIDE  
12 1-2 FEET LONG

30 DAYS OLD

SUSTAINED 11,882 POUNDS OF  
CONCENTRATED WEIGHT

ON AN IRON DISC 8 1-2 IN. IN DIAMETER

THOUGH HIGHEST IN PRICE, ALSEN'S IS BEING  
USED IN THIS VERY IMPORTANT CONSTRUCTION,

NOT ONLY BECAUSE OF ITS  
GREATER STRENGTH, BUT  
CHIEFLY BECAUSE OF ITS  
**ABSOLUTE SAFETY**  
IN ACTUAL WORK.

MADE BY TUCKER & VINTON, INC., NEW YORK CITY  
RANDOM PATENTS