

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., 1875.
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.
52-53 James Building - TORONTO, CAN.
Long Distance Telephones-Office and Residence
Cable Address "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.

C. J. FENSOM, B. A. Sc.

CONSULTING ENGINEER
Aberdeen Chambers - Toronto
Machinery designed, supervised,
inspected and contracted for.
TESTS REPORTS
Electric Light Plants, Power Plants,
Pumping Plants.

Please mention this paper when cor-
responding with advertisers.

CECIL B. SMITH, M.A.E.

M. Am. Soc. C.E.
M. Can. Soc. C. E. M. Inst. 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
CEMENT TESTING LABORATORY
Rates for testing on application.
36 Toronto Street, Toronto.

A. W. CONNOR

B.A., C.E., (Tor.) A. Mem. Can. Soc. C. E.
STRUCTURAL ENGINEER
Fireproof Steel Office and Mill Buildings,
Bridges, Towers, &c. Reinforced Concrete,
(Associated with Cecil B. Smith,
M.A.E., M. Can. Soc. C.E.)
36 TORONTO ST. - TORONTO, ONT

300 MEN

Employed in cement walks, kerb and gutter, Paving
and Building Construction. We can do work
QUICKER, CHEAPER, BETTER, than small con-
tractors.

FOREST CITY PAVING COMPANY,
B. V. HOLE, MANAGER - LONDON, ONT

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.A.M. Soc. C.E.
CHIEF ENGINEER R. T. COMMISSION

AND

S. L. F. DEYO, C.E., M.A.M. 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
5 FEET WIDE 30 DAYS OLD
12 1-2 FEET LONG

SUSTAINED 11,882 POUNDS OF
CONCENTRATED WEIGHT

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

THOUGH HIGHEST IN PRICE, ALSSEN'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.

8 1-2 INCH IRON DISC TO CONCENTRATE WEIGHT.

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