

The Canadian Engineer

WEEKLY

ESTABLISHED 1893

VOL. 15. TORONTO, MONTREAL, WINNIPEG, VANCOUVER, FEBRUARY 28th, 1908. No. 9

The Canadian Engineer

ESTABLISHED 1893

Issued Weekly in the Interests of the

CIVIL, MECHANICAL STRUCTURAL, ELECTRICAL, MARINE AND
MINING ENGINEER, THE SURVEYOR, THE
MANUFACTURER AND THE
CONTRACTOR.

Editor—E. A. JAMES, B.A. Sc.

Business Manager—JAMES J. SALMOND.

Present Terms of Subscription, payable in advance:

Canada and Great Britain:		United States and other Countries:	
One Year	\$2 00	One Year	\$2.50
Six Months	1 25	Six Months	1.50
Three Months	0.75	Three Months	1.00

ADVERTISEMENT RATES ON APPLICATION.

HEAD OFFICE: 62 Church Street, and Court Street, Toronto
TELEPHONE MAIN 7404.
Montreal Office: B 32 Board of Trade Building. T. C. Allum, Business and
Editorial Representative. Phone M 2797.
Winnipeg Office: 330 Smith Street. Amalgamated Press of Canada, Limited
Phone 5758.
Vancouver Office: Representative: A. Oswald Barratt. 619 Hastings Street.
British Representative: A. Webster, 84 Chancery Lane, London, E.C.
Address all communications to the Company and not to individuals.
Everything affecting the editorial department should be directed to the Editor.

NOTICE TO ADVERTISERS:

Changes of advertisement copy should reach the Head Office by 10 a.m.
Monday preceding the date of publication, except the first issue of the month for
which changes of copy should be received at least two weeks prior to publication date

Printed at the office of THE MONETARY TIMES PRINTING CO., Limited,
TORONTO, CANADA.

A reader is anxious to secure copies of the Canadian
Engineer for December 6, 1907 and January 3, 1908. Perhaps
some of our subscribers can accommodate him. There is
three months' extension of subscription in it.

CONTENTS OF THIS ISSUE.

Editorial:	Page.
Who May Vote	137
Surveyors Meet	137
Leading Articles:	
Lakefield Portland Cement Works	138
Approximate Estimates	141
Correspondence:	
G.T.P. Tenders	140
Vertical Curves	140
Railway Switches	140
Turnout Problem	141
Construction News	143
Society Notes	139
Railway Orders	7
Markets	16

WHO MAY VOTE.

The present session of the Ontario Legislature pur-
pose revising the Act respecting elections. There are a few
clauses engineers and surveyors are especially interested
in, and should make sure they are clear and not open to
misunderstanding.

Engineers and surveyors, from the nature of their
work, are from home frequently and often for long periods.
When he presents himself for his ballot at election time he
is told that the clause "is a resident and domiciled" does

not cover his case. The new Act should make this plain,
if it does apply, and if it does not, then exceptions similar
in nature to those made for clergymen, school teachers,
and militiamen should be made for surveyors and engineers.

A resident of the Province of Ontario should not be
disqualified because of his occupation, nor should the
meaning of the Election Act be so indefinite as to make it
possible for his political opponents to make his voting, to
say the least, inconvenient.

Some clause should be added making it clear that a
Canadian, so long as he remains a British subject, may
work temporarily in any part of Canada, and yet return
and vote at his acknowledged home when his name is on
the Voters' List for the subdivision which he acknowledges
as his permanent abode.

SURVEYORS MEET.

A convention composed of representative men of a pro-
fession is sure to attract attention, their deliberation will
strengthen their position and their discussion will be educa-
tional in effect on other members and the community at large.

This week the Ontario Land Surveyors are holding their
annual convention in Toronto. Not only are their discussions
dealing with questions peculiar to the surveyor, but questions
of interest to the civil engineer are also dealt with. Organ-
ized in 1886 the Association have steadily raised the standard
to be attained by would-be land surveyors until to-day the
examination requirements are higher than those required by
any similar association. Not only are the examination re-
quirements higher, but the men practising throughout the
province find they must, each year, improve the quality of
their work, both in field and office if they wish to keep pace
with the progress of the Association.

In our next issue we will give an extended report of the
annual meeting.

ACCOUNTS OF TEMISKAMING AND NORTHERN ONTARIO RAILWAY.

The summary of the receipts and disbursements, on
construction, of the Temiskaming and Northern Ontario
Railway for the year ending December 31st, 1907, is as
follows:—

Receipts.—Cash on hand, December 31st, 1906, \$152.81;
Treasurer of Ontario, \$2,429,329.15; accounts collectable,
\$5,660.02; accounts collectable, operation, \$134,863.37; town
site sales and mining bonuses, \$25,000; deposits on con-
tracts, \$15,500; interest, \$225.07; unclaimed wages, \$442.60;
miscellaneous receipts, \$6,767.19; total, \$2,617,940.21.

Disbursements.—Disbursements as per statement,
\$2,617,484.80; cash on hand December 31st, 1907, \$455.51;
total, \$2,617,940.21.

The Kingston Shipping Company is having built at Dum-
barton, Scotland, a steamer to be named the "Catarqui." A
full sized Welland Canal freighter, with triple expansion
engines, 18, 30, and 40-in. cylinders, 33-in. stroke. Her
dimensions 256 ft. over all, beam 43 ft., moulded depth 22 ft.
The owners of the company are H. A. Calvin, president;
H. H. Richardson, vice-president; S. C. Calvin, secretary-
treasurer.