

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS •
ADVANCE INFORMATION •
AND MILEAGE • PROGRESS

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THE CANADIAN CONTRACT RECORD,
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Information solicited from any part of
the Dominion regarding contracts open to
tender.

ADVERTISING RATES ON APPLICATION

At its Convention held in Toronto, Nov.
20 and 21, 1889, the Ontario Association
of Architects signified its approval of the
CANADIAN CONTRACT RECORD, and
pledged its members to use this journal as
their medium of communication with con-
tractors with respect to advertisements for
Tenders.

The following resolution was unanimously
adopted at the First Annual Meeting of the
Province of Quebec Association of Archi-
tects, held in Montreal, Oct. 10th and 11th,
1890: "Moved by M. Perrault, seconded by
A. P. Dumont, that we the Architects of the
Province of Quebec now assembled in Con-
vention being satisfied that the CANADIAN
CONTRACT RECORD affords us a direct
communication with the Contractors,—Re-
solved, that we pledge our support to it by
using its columns when calling for Ten-
ders."

Subscribers who may change their address
should give prompt notice of same. In doing
so, give both old and new address. Notify the
publisher of any irregularity in delivery of paper

TENDERS

will be received at our offices until 5 p.m. FRI-
DAY, AUGUST 12TH, for

**Hot Water Heating, Plumbing and Gasfitting,
Electric Bells, Elevator, Mantels, &c.,**

for new Hospital for the Sisters of St. Joseph.
Plans and specifications at said offices. No
tender necessarily accepted.

MOORE & HENRY, Architects.
London, Canada.



Notice to Contractors

Tenders will be received by registered post,
addressed to the City Engineer, Toronto, up to
eleven o'clock a. m. on TUESDAY, AUGUST
12TH, 1892, for the construction of an

18 Inch Tile Pipe Sewer

in connection with the new cattle market and
subway.

Specifications and forms of tender may be ob-
tained on and after the 9th inst. at the office of
the City Engineer. A deposit in the form of a
marked cheque payable to the order of the City
Treasurer for the sum of 2 1/2 per cent. on the
value of the work tendered for must accompany
each and every tender, otherwise it will not be
entertained. All tenders must bear the bona fide
signatures of the contractor and his sureties (see
specifications) or they will be ruled out as in-
formal.

The Committee do not bind themselves to
accept the lowest or any tender.

JOHN SHAW,

Chairman Committee on Works,
Committee Room, Toronto, Aug. 5th, 1892.

TENDERS

Will be received up till SATURDAY, AUGUST
13TH, for all trades in connection with the erec-
tion of an

Addition to Hospital on Major Street.

Plans and specifications may be seen at the
office of

DARLING, SPROATT & PEARSON,
Mail Building, Toronto.

Lowest or any tender not necessarily accepted.

SEALED TENDERS

For the various works required in the erection of
an Addition to the Protestant Hospital for the
Insane, Verdun, Que., will be received at the
office of the undersigned up to noon on

Friday, August 19th.

Plans and specifications can be seen at our
office on and after Tuesday, August 9th.

The lowest or any tender not necessarily ac-
cepted.

WRIGHT & SON, Architects.
Rooms 14 & 15, Mechanics' Building,
St. James Street, Montreal.

SEALED TENDERS

will be received by the Corporation of the County
of Bruce at the County Clerk's office, Walkerton,
until noon on WEDNESDAY, THE 31ST AUG-
UST, for the

Construction of a Sewer

from the County Gaol to Durham street in said
town, a distance of about twelve hundred feet.

Parties may tender separately for the excava-
tion, and furnishing and laying of sewer-pipe.

Plans and specifications may be seen at the
office of the undersigned.

The Committee do not bind themselves to ac-
cept the lowest or any tender.

GEORGE GOULD,
Clerk County Bruce

Walkerton 1st August 1892



Notice to Contractors

Tenders will be received by registered post,
addressed to the City Engineer, Toronto, up to
Eleven o'clock a. m. on TUESDAY, AUGUST
9TH, 1892, for the following work and supply of
Cement:

CEDAR BLOCK PAVEMENT

On McMurrich Street, from Davenport Road
to Belmont Street.

Supply of Cement for the current year.

Specifications and forms of tender may be
obtained on and after August 2nd, 1892, at the
office of the City Engineer

A deposit in the form of a marked cheque pay-
able to the order of the City Treasurer, for the
sum of Five per cent. on the value of the work
tendered for under \$1,000, and 2 1/2 per cent. for
the value of the work tendered for over that
amount, must accompany each and every tender,
otherwise it will not be entertained.

All tenders must bear the bona fide signatures
of the contractor and his sureties (see specifica-
tions), or they will be ruled out as informal.

The committee do not bind themselves to ac-
cept the lowest or any tender.

JOHN SHAW,

Chairman of Committee on Works,
Committee Room, Toronto, July 28, 1892.

TENDERS

will be received by the undersigned for the con-
struction of the Township of York for

Grading and Macadamizing

on Howland Ave and Bridgeman street from
Davenport road south to C. P. R. (the above
roads are about 40 rods east of Bathurst St.)

Plans, specifications, etc., can be seen at the
office of the undersigned, and tenders will be re-
ceived up to

**5 o'clock p. m. on Tuesday, 23rd
August, 1892.**

The lowest or any tender not necessarily ac-
cepted.

PETER S. GIBSON, C. E.
York Tp. Engineer.

Willowdale, Aug. 4th, 1892.

TENDERS FOR

PIPE SEWER

Sealed tenders will be received by the Chair-
man of the Board of Works of the Town of Owen
Sound, up to 6 p. m., SATURDAY, AUG 13TH
1892, for the construction of a Pipe Sewer, 3420
feet long on Bay St. in said town. Also at the
same time sealed tenders will be received for sup-
plying the following approximate lengths of sewer
pipe F. O. B. at the Town of Owen Sound, to be
delivered on or before Aug. 20th 1892:

81 feet of 6 inch pipe.
18 " " 9 " "
546 " " 12 " "
138 " " 12 " x 6 in. bevel junction pipe.
1872 " " 15 inch pipe.
396 " " 15 " x 6 inch bevel junction pipe.
435 " " 18 " "

Each pipe to be 3 feet in length.

An accepted Bank Cheque payable to the order
of the Treasurer of the Town of Owen Sound for
the sum of two hundred dollars (\$200) must ac-
company each tender for the construction of Pipe
Sewer—and a like accepted Bank Cheque must
accompany each tender for the supply of pipe.
In either case this cheque will be forfeited if the
party decline the contract, or fail in the perform-
ance thereof—and will be returned in case of non-
acceptance of tender.

Plans and specifications to be seen at the office
of the Town Engineer.

The Board of Works reserve the right to reject
any or all tenders.

R. Mc DOWALL, CHAS. GORDON,
Engineer in charge. Chairman Bd of Works.

UNDERPINNING BY BORE-HOLES.

A very ingenious system of securing
foundations of quay walls, bridge piers,
reservoir embankments, and other struc-
tures from further yielding or sinking is
proposed by Mr. Walter R. Kimpfle, M.
Inst. C. E., in an article in Engineering.
It consists of underpinning by means of
grouting and stock ramming, introduced
through bore-holes or tubes, by which
means the foundations are strengthened
and widened, and the underlying strata
made firmer. Mr. Kimpfle says, "should
the wall be founded on sand or gravel, all
that would be necessary would be to put
down a series of bore-holes of, say, three
inches to six inches in diameter at inter-

vals along the line of wall, and several in
the width of wall." These bores are
made through the vertical section, and on
each side of the wall, and will reach below
the footings into the strata beneath.
Pipes are then placed in the bore-holes
and thick neat Portland cement grout is
then passed through the pipes, or forced
down and this will fill up the crevices,
rendering the foundation compact, and
will cement the wall to the stratum of sand
or gravel on which it is founded, and the
stratum will also be cemented together or
rendered firm for several inches, thus
adding a new foundation course below the
wall. A second solidified stratum can be
added below the first if necessary.

The bore-holes may in some cases be
bored in oblique directions through the
wall, so that the foundations could be
widened by this means. If the underlying
stratum is of clay, or of a clayey nature, the
author proposes, instead of forcing down
cement grout, to force down the tubes
clay worked up with hydraulic lime, sand
mixed with iron filings and salammoniac,
partly-set neat Portland Medina cement
concrete," such materials to be made up
into convenient sized balls or rolls, put into
the tubes, and rammed down with a heavy
ram or monkey worked by a hand, or
steam-ringing, or pile-driving machine so
as to force the balls into the soft stratum,
and consolidate it. By this means the
foundations can be wiped beyond the base
of walls. After one layer has been de-
posited, the bore-holes can be sunk deep-
er and another layer added. This plan is
called "stock ramming," and is applicable
to many purposes, such as stopping leaks
under reservoir embankments. Mr. Kin-
ipple has used these methods with suc-
cessful results. The method appears to
be applicable also to the foundations of
buildings which have settled, in which case
the bore-holes would be made in an
oblique direction on each side of the wall.
As a mode of underpinning, the plan has
advantages over the ordinary laborious
methods, and it can be done expeditiously
and without disturbing or removing the
soil on either side of the wall. It may
also with advantage be used, as suggested,
for raising walls and factory chimneys, or
for bringing them back to the perpendicular.

The North American Chemical, Man-
ufacturing Company is making
application for permission to change its
name to the Owen Sound Portland Cement
Company.