

CALENDAR.						
1890	1890	1890	1890	1890	1890	1890
Jan	Feb	Mar	Apr	May	June	July
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

CONTRACTS

CONTRACTS OPEN.

GANANOQUE, ONT.—Grace Church will probably be enlarged at an early date.

PERTH, ONT.—The erection of the new brick school house will be commenced immediately.

KINGSTON, ONT.—A wealthy syndicate will build a large distillery in the eastern portion of the city.

LANARK, ONT.—Mr. Jas. N. Dobbie, proprietor of the Clyde Hotel, is talking of enlarging the building.

HALIFAX, N. S.—It is proposed by the military authorities to erect a new barracks on the citadel grounds.

THAMESVILLE, ONT.—T. J. Rutley, of Chatham, has prepared plans for a new fire hall, for which tenders are being called.

SARNIA, ONT.—The stockholders of the Sarnia Grain Elevator Company have decided to rebuild the structure recently destroyed by fire.

FERGUS, ONT.—Tenders will be received by John Beatty up to Friday, August 29th, for the erection of a windmill at the County of Wellington poor house.

NEW WESTMINSTER, B. C.—A new school district has been organized on Howe Sound. A site for a school house will be chosen and a suitable building erected.

HAMILTON, ONT.—The petition for the paving of Cannon St., between East avenue and Wentworth street, will be considered at a special meeting of the Board of Works.

CHATHAM, ONT.—The necessary repairs to the piers at Rond Eau Harbour, will be shortly begun. Mr. Henry N. Gray, C. E., is the Dominion officer in charge of the work.

ELORA, ONT.—It is proposed to extend the Elora branch of the C. P. R. to Stratford, passing through Hamstead, Wellesley village, St. Clements, Hawksville, and Elmira, to Elora.

BRANTFORD, ONT.—A special committee has been appointed to secure ground on which to erect a Mission Church in the North Ward, in connection with the Zion Presbyterian congregation.

GALT, ONT.—The town council have adopted a by-law to raise by debentures \$125,000 for a system of water-works.—The street-railway project between Galt and Preston is being revived and stock is being solicited and subscribed.

OTTAWA, ONT.—Archbishop Duhamel has purchased the property known as Perley's Farm, located just outside the city limits on which he proposes erecting a large church for the French Catholic residents of Hintonburg, Mechanicsville and other places in the immediate vicinity.

PETERBORO, ONT.—The special committee appointed to consider the sewerage question, have met and discussed it. It has been decided to ask the local men for tenders to take the levels of the town for the purpose of submitting the matter to a practical expert to ascertain what system would be most suitable, the probable cost, where the mains would run, etc.

SMITH'S FALLS, ONT.—Tenders for the enlargement and improvement of St. John's Church will be asked next week.—Plans are being prepared for a new and handsome residence to be erected next spring.—At a recent meeting of the Sewer Committee it was recommended that a water main be laid alongside the sewer pipe and the sewer extended to the public school.

WEST TORONTO JUNCTION.—Messrs. Knox & Elliott are asking for tenders for the several trades required in the erection of a Presbyterian Church. Tenders to be delivered at their office by Tuesday, August 5.—Mr. Willis Chipman's report on a system of waterworks for the town is ready for inspection. A special meeting of the council will discuss the question.

TORONTO, ONT.—Tenders for lighting the streets will be advertised for next week.—A large deputation of ratepayers and others, interested in the opening of Woodbine avenue to St. Clair avenue, and St. Clair avenue to the Don Mills road, met and went over the proposed road last Saturday. The matter was looked upon in a most favorable light, as it was considered an absolute necessity to the people living on the town line and neighborhood that there should be some other outlet than at present in use, which at certain seasons of the year is almost impassable. There is a large area that would be at once opened up to market gardens, if easy access could be had to the city through Todmorden.—The following building permits have been granted: F. Hoyland, 1-storey bk. addition rear 23 Adelaide St. west, cost \$700; M. McConnell, 2-storey bk. addition rear 254 Church St., cost \$700; Land Security Co., alterations and additions building south east cor. Gerrard and Ontario S's., cost \$3,000; W. Stollery, 2-storey and attic bk dwelling, north side Eglon Ave., cost \$4,500; Prof. J. Davis, 1-storey bk. addition cor. Wilton Ave. and Mutual St., cost \$1,000; R. H. Scarlett, 2-storey and attic bk. dwelling, east side Maynard Place, cost \$1,000; G. M. Miller, 4-storey bk. addition warehouse, Victoria St., west of Queen St., cost \$2,500; R. Kidney, three 3-storey att. bk. stores, cor. Church and Ann Sts., cost \$10,000; R. Kidney, pair s. d. 2-storey bk. dwellings, south side Ann St., near Church St., cost \$6,000; Mrs. O. Johnston, bk. residence, Yorkville Ave., cost \$3,000.

CONTRACTS AWARDED.

STANLEYVILLE, ONT.—Messrs. D. & A. Kippen, of Perth, have secured the contract for the new Catholic church, for \$3,500.

WINDSOR, ONT.—The Market Committee recommend that Mr. Monroe get the contract for paving the market grounds. His figures are between \$2,000 and \$3,000.

CHATHAM, ONT.—Messrs. Robertson & McKie have secured the contract for building Mr. Baby's new brick hotel block on the corner of King and William streets. The contract price is \$9,000.

LONDON, ONT.—Smith Bros.' tender was accepted for the steam-fitting, gas-fitting, boiler and brickwork of the new addition to the hospital, at \$1,564.—Tenders for erecting a boiler house at the waterworks were awarded to Chas. Sreaton for brickwork, at \$365; Wm. Tytler, carpentering, slating and iron, \$215.77.

BIDS.

Tenders for the construction of an electric lighting plant for Windsor, Ont., were opened before the Fire, Water and Gas Committees, with the following result:—Ball Company, Toronto, \$8,788; Reliance, Waterford, \$9,950; A. J. Wayne, \$12,100; Mutual Edison, Toronto, \$13,200; Royal, Montreal, \$15,150; Western, Toronto, \$16,762. The bids for machinery and boilers were as follows:—Leonard & Sons, London, \$3,095; Waterous Engine Company, Brantford, \$3,600; Goldie & McCulloch, Galt, \$3,975; United Edison, Toronto, \$4,000.

MEASUREMENT OF LAND.

The dimensions of land, or of any surface of considerable extent, are taken by means of Gunter's Chain, which is 4 poles or 22 yards in length, and is divided into 100 equal parts, called links. If the field be a square or parallelogram, multiply the length in rods by the width in rods, and divide by 160, the number of square rods in an acre. If the field is triangular, multiply the length of the longest side in rods by the greatest width in rods, and divide half the product by 160. If the field be of irregular shape, divide it into triangles, and find the acreage of each triangle as above. All straight-sided fields can be thus measured. Where the sides are crooked and irregular, take the length in rods in a number of places at equal distances apart, add them, and divide by the number of measurements, which will give the mean length; proceed similarly with the width, multiply the mean length by the mean width, and divide by 160. Where the field is in a circle, find the diameter in rods, multiply the square of the diameter by 7.854, and divide by 160.—*Exchange.*

Two German engineers propose rapid transit by means of three continuous platforms moving along the streets side by side. The lowest of these platforms is four inches high, and moves at a uniform speed of five feet per second. Any ordinary pedestrian can, they state, mount this platform from the ground without difficulty, and from this he can, with equal ease, step on to a second platform four inches higher than the first, and moving twice as fast. The passenger thus acquires a speed of ten feet per second, and, stepping on to the third platform in the same way, he is carried at a speed of fifteen feet per second, or ten miles per hour, to his destination, where he steps off by degrees as he got on.