

—One of the sheds of the Ottawa Street Car Company collapsed and demolished ten cars.

—The Marconi Co. will establish stations on the Californian Coast, and it is expected there will soon be wireless communication across the Pacific Ocean, and the continent of America.

—A 15-mile railway now in operation between Whitney and Lake Opeongo saves 50 miles in the transportation of logs by water to the sawmill at the former. It is the second line passing through Algonquin National Park.

—The survey of the railway line across Manitoulin Island has been completed. It will not be a difficult road to build. The line follows the shore from Little Current to Manitowaning, thence south to Horse Island.

—The Government has extended its telegraph lines from Port Hood to the Strait of Canso, thence to St. Peter's and to Scatterie. There will be a cable from the mainland to the island and a branch from Gabarus to North Sydney.

—The Grand Trunk is gradually discarding the use of numbers for private cars, substituting distinctly Canadian names. For instance, Mr. Hays' car is the "Canada," Mr. Morse's, the "International," Mr. Wainwright's, the "Mus-koka," and Mr. McGuigan's, the "St. Lawrence."

—The New York Central Railway has a plan to minimize loss of life and injuries in accidents by employing 60 surgeons, who live along the line, and are easily reached at any time. Each surgeon has charge of a section, and every train will carry a full kit of surgeon's tools.

—At a meeting of the Cornell Electric Society, Prof. Bedell, of Cornell University, announced a discovery in electric power transmission, whereby an alternating and a direct current may be sent at the same time. Experiments show great economy, the amount of copper being reduced one-half.

—By the crossing of an electric cable and a telegraph wire at Sydney, an explosion took place in the I.C.R. despatcher's office, completely destroying all the instruments and switchboard and setting fire to the office. The electrical display on the wires and about the office was a fine sight.

H. Cooper, a famous engineer of New York, who has been engaged in large undertakings in Brazil, and who is connected with a scheme to bring water power to the City of Mexico, a distance of eighty miles, has been engaged by the Heat, Light and Power Company to give advice in regard to the break at the Chambly dam.

—The annual report of the Bell Telephone Co. in Canada shows that they have 48,481 instruments earning rental, and that 5,623 subscribers were added during the year. The company owns and operates 377 exchanges and 553 agencies. The long distance lines now operated comprise 26,848 miles of wire on 6,991 miles of poles.

—Marconi has about perfected a system to determine the distance between a ship and the station on shore. This will be carried out by means of an apparatus in the shape of a disc. The vibrations from one apparatus will be felt on the other apparatus disc. The current from fifty miles will naturally be weaker than that from ten miles or still less from five miles. The current will make the disc turn, and the marks at different points will indicate the distance of the ship from the station. Ships will thus be able to locate their exact position, even during the darkest nights or in the thickest fog.

—The bridge by which the street cars cross the Grand Trunk at Merritton was badly damaged by a derrick on a flat car running into it. Till repairs were made, passengers had to transfer.

TENDERS—For the supply of Turbines, Sluice Gates, Stave Pipe, Dynamos and Power Transmission Line of ten miles, will be received by the undersigned. Plans and other particulars will be mailed upon request.

R. H. PARKINSON, C. E., Fairview, B. C.

SITUATION DESIRED as Engineer or Superintendent of Construction on general engineering work, including both Civil and Mechanical Engineering. Especially conversant with both design and construction of water power plants, iron and steel manufacturing plants, electric railways and power stations, and all classes of masonry, timber and steel work. At present engaged in charge of work on about 12,000 tons of structural steel erection in the United States.

Address 1903, c o Canadian Engineer, Montreal

CONCRETE ENGINEER.—Position wanted, wide experience, concrete-steel buildings, bridges, pavements, sewers, foundations, etc., decorative concrete work in blocks or monolithic, testing of cements. Address, Box 14, care of Secretary, Room 14 Bank of Hamilton Chambers, Winnipeg, Man.

WANTED.—Engagement wanted as assistant or resident engineer; experienced, masonry and concrete bridges, tunneling, steam shovel work, sewerage and water works, electric railways, city surveys. Address, Box 6, care of Secretary, Room 14, Bank of Hamilton Chambers, Winnipeg, Man.

WANTED.—Position wanted with mining, coal, iron or timber company, as Engineer, Surveyor and Draftsman; reliable and experienced. Address, Box 7, care of Secretary, Room 14, Bank of Hamilton Chambers Winnipeg, Man.

WE HAVE—On our list, open for engagement, and covering all lines of engineering, a number of the best engineers, surveyors, draftsmen, and superintendents of construction in Canada or the United States. Address, "Secretary," Room 14, Bank of Hamilton Chambers, Winnipeg, Man.

WANTED—To purchase, a second-hand Y Level, 16 to 20 inch telescope. Apply to T. LOWE, Kirkfield, Ont.

WANTED—At Fort William, Ont., boilermakers, tank builders and riveters. Apply MacDonald Engineering Company, Fort William, Ont.

GASOLINE LAUNCH FOR SALE—20 ft. boat—Carvel built; finished in natural wood, varnished; lockers under seats; engine $3\frac{1}{2}$ h.p.; reversible propeller; all brand new. HAMILTON MOTOR WORKS, Hamilton.

FOR SALE—One Three H. P. Marine Gasoline Engine—4-Cycle Type, complete with shaft, propeller, batteries, etc. This engine has never been used. Further particulars can be had by addressing, W. Mathieson, 50 Esplanade East, Toronto.

A MECHANICAL DRAUGHTSMAN, with fifteen years' experience in locomotive and fine work, desires an engagement after the 1st of May, prox. Excellent references.

Address B. E., care of Canadian Engineer, Toronto.

DRAINAGE—CONCRETE TILE are most economical for drainage, owing to their durability; properly made they will last for all time; our steel moulds for their manufacture are the handiest and most serviceable made; ranging from 6 to 30 inches diameter. Write for prices.

SAWYER & MASSEY CO.
Hamilton, Ont.

Engineer Wanted.

Applications will be received by the undersigned for the position of City Engineer for the City of St. Catharines, Ont., up till the FIRST DAY OF APRIL, 1903. Applicants to state salary required and previous experience, and all applications to be marked "Application for position of City Engineer."

JOHN S. McCLELLAND,
City Clerk.

Tenders for Swing Bridge

Will be received by the undersigned until noon on the 26th DAY OF MARCH, 1903, for the erection of a Steel Swing Bridge over the River Sydenham, at the Village of Tupperville, Kent County, Ont.

Tenders to include steel work and substructure, the bridge to be finished complete according to plans and specifications prepared by W. G. McGeorge, C.E.

A marked cheque for five per cent. of the tendered price must accompany each tender and will be returned when contract is awarded.

The lowest or any tender not necessarily accepted. Plans and specifications may be seen or had from

A. McARTHUR, Township of Chatham Clerk.

Office in the City of Chatham, Ont.

Tenders Wanted for Steel Work.

Offers will be received by the undersigned for furnishing materials for and erecting three steel water tanks, for Municipal Water Works purposes:—

(1) **Trestle and Tank at Bridgeburg, Ont.**, opposite Buffalo, N. Y., on the Niagara River.

(2) **Trestle and Tank at Edmonton, Alberta**, about 200 miles north of Calgary, N. W. T., Canada.

(3) **Trestle and Tank at Strathroy, Ont.**, (near London, Ont.)

Plans and specifications will be sent to responsible manufacturers upon application.

Separate offers are to be given for each.

No tender necessarily accepted.

WILLIS CHIPMAN, Civil Engineer.
Address, 103 Bay Street, Toronto, Ont., Can.