LAST GREAT ENGINEERING FEAT NOW BEING RUSHED TO ITS END

Building of the Canadian Northern Transcontinental Line Will Bring Into Economic Value and Control Large Areas of Valuable Land in the North.

The northland of Ontario is at present passing thru a transition period in its history by the building of the Canadian Northern transcontinental railway, now under construction between the C.P.R. and Transcontinental. This will probably be the last great engineering feat from ocean to ocean on this continent, and is important in that it brings into economic value and control the large areas of timber and pulpwood lands now the prey to forest free, also desolate wastes, which in the near future may be valuable in nickel and fron ores. There are also some sections along the line which have agricultural possibilities, especially in dairying, hog raising and poultry. The whole country is well watered Frequently good meadow land is met with along the rivers, and excellent root crops, hay, oats and peas can be aliceceed but whether they can be made commercially profitable or not is a question which the future of the country alone can decide, and will depend upon the quantity grown as the country will in all probability develop on the lines of lumbering, pulpwood cutting, prospecting and mining in advance of agriculture, there will no doubt be a home market for all the produce that can be raised for many years. An unknown quantity will be the passing fourist. The three lines, C.P.R. C.N.R. and T. R., running from east to week, cross the rivers running north to Hudson Bay and south from the Hught of Land, enabling the fourist to make relays at any of these crossings in his cance trip north or south.

Beautiful Scenery.

There is now being opened up some of the most beautiful scenery of the most beautiful scenery of the sept motor type, after the style of the root rype, after the style of the work. They transconting the produce that can be raised for many years. An unknown quantity will be the passing fourist. The three lines, C.P.R. C.N.R. and T. R., running from east to week, cross the rivers running north to Hudson Bay and south from the Hught of Land, enabling the fourist to make relays at any of these crossings in

Arthur to Ottawa will be in operation at the same time as the Port Arthurat the same time as the Port Arthur-Sudhurv line, which will be about January 1. This will complete the 550 miles which has hitherto separated the C.N.R. lines in eastern Canada and the prairie and Pacific Coast lines. The line from Capreol Junction, via Sudbury, to Toronto is called the C.N.R. Toronto line. A train runs thru from Toronto to Ruel and from thru from Toronto daily, 327 miles The main line from coast to coast, which connects with the Toronto line at Capreol, is called the Canadian Northern Transcontinental. Of the lines west of Capreol, less than sixty miles is without steel. Most of the grading is done and the tresties are partly built, awaiting the track laying machine, which carries with it ties and rails, and feeds them out on to the machine, which carries with it ties and rails, and feeds them out on to the and rails and feeds them out on to the track by carriers, where they are handled by nimble Hunyaks, who lay the ties down, catch the steel as it is lowered to the track. direct it to its position correctly spaced, and spike it down temporarily and the machine proceeds. Accompanying the track-laying machine is a train with large stringers, which are used in completing the tresties, so that the track-laying train may proceed with little delay. There are very few tresties to be completed on the 60 miles yet to be laid, and no serious delay is anticipated. The line is also being built from the Port Arthur side as well as from the Sudbury end.

Master and Men of Wrecked Schooner Wasp Are Safe in Port.

SEATTLE, Wash, Sept. 27.—(Can Press.)—A despatch from St. Michael, Alaska, announces the arrival there of A. N. Evans. commissioner of education for Alaska, Captain Charles Madsen, and crew of three men of the power schooner Wasp, which was wrecked south of the mouth of the

well as from the Sudbury end. Taking in Supplies. Machinery and supplies were taken over the Algoma Central to a point named Oba, where the Algoma Central crosses the C. N. R. From Oba, consistent work was carried on west struction work was carried on west towards Port Arthur, and east to-wards Sudbury. Port Arthur and Oba are now connected with the steel and track-laying is being continued 95 miles east of Oba, to connect with the line being constructed from Capreol, which is now beyond Goose River. The two lines should tie up within two months and traffic be running over it early in the new year. The construction is being done by the large contracting firm of Foley Bros. and the Northern Construction Co., and the 550 nailes between Port Arthur and Caprailes between Port Arthur and Cap-reol, under the direction of O. Swenson and will have been completed in two years, in all probability the fast-est laid 500 miles in rock on this con-tinent, and certainly the fastest laid track in this north Ontario. The country thru which it runs is not without its difficulties, muskeg, rock cuts, lakes and rivers had to be overcome; but the line may be said to run thru a more even section with less engineer-ing difficulties in its track than either the C. P. R. or G. T. P. Transconti-mental. Muskeg is found in many places, but not abnormally deep. One of the worst features of muskeg is that it may rest on a thin layer of clay which will not support the track and the track goes down into more muskeg and perhaps more clay or gravel, and keeps sinking until it gets a support. Very bad muskegs are filled in with boulders and rock, and

Seautiful Scenery.

There is now being opened up some of the most beautiful scenery of the most. Rivers with banks of hazelash, poplar and birch slope down to grassy edges of rushes or thicket of alder. Here the muskrat plays amidst the rushes. An occasional mink feeding on small fish of clams comes to the surface, and amongst the fagots caught by the brush in the spring ice flows the wild duck builds her nest waters and the snipe and player feed along the shore. The scenery changes with steep cliffs of spruce and pine. The black bear and moose roam in the forest, and the spruce partridge and hare are the only life of the swamp. Occasional stretches of slope leading to the river have been burnt overleaving charred stumps amidst a verdure of young second growth.

The Canadian Northern in Ontario is being built in three sections. One is from Port Arthur to Mileage 286, another is from Capreol, a new divisional point, and Mileage 286, another is from Capreol, a new divisional point, and Mileage 286. The embor two hundred miss have been laid out of the steel is now past Goose River crossing. Mileage 172, where the track such in the superintendents and on the superintendents and ontoric than the train and run from 30 to 90 miles an hour. Then there are small gasoline carriers of the motor type, after the style of the welcoipede. The dectors use these to hurry to and fro; but there have been burned from orders from offices along the time, the steel and no loss of life. All these means of travel run on train orders from offices along the there have been very few accidents and no loss of life. All these means of travel run on train orders from offices along the travel run on train orders from offices along the travel run on train orders from offices along the travel run on train orders from offices along the travel run on train orders from offices along the travel run on train orders from offices along the travel run on train orders from offices along the travel run on train orders from offices along the shore.

The bl the steel is now past Goose River crossing. Mileage 172. where the track laying machine was held back two days by the construction of a bridge across the river. The track laying now continues at the rate of about one mile per day, with occasional delays for putting stringers on bridges until the sixty miles gap is spanned with the iron ralls and the final tieup is expected by the end of the year; but it is thought it will be some months later before the Capreol-Ottawa connection is made, the hopes are entertained that the line from Port Arthur to Ottawa will be in operation at the same time are water tanks, tool houses and houses for the section superintendents and men on every section as far as the track has gone. Everything will be complete before the line is taken over from the contractors operate the line, running a train every second day. This is of great advantage to prospectors and others who want to visit this new district. Moose are quite plentiful and are often seen along the tracks. Fish are found in most of the lakes and probably the best trant fishing in Ontario is to be got at Mileige 211, where the track crosses the Beaver River. Here are rapids 500 feet in length, which keep the pike from getting further up stream. Below the rapids there are few, if any, trout; b.t in the rapids and above there are many 12 inches in length. Sturgeon

CAPTAIN AND CREW REACH ST. MICHAEL

found in the rivers running to the morth and pike and pickerel are abund-

Master and Men of Wrecked

wrecked south of the mouth of the Kuskokwim River, on a voyage from Good News Bay to Nome. The vessel is a total loss.

The Wasp was a 30-ton schooner constructed by the Indians of Unala-kleet, Alaska, and was owned by her commander. She left Nome July 8

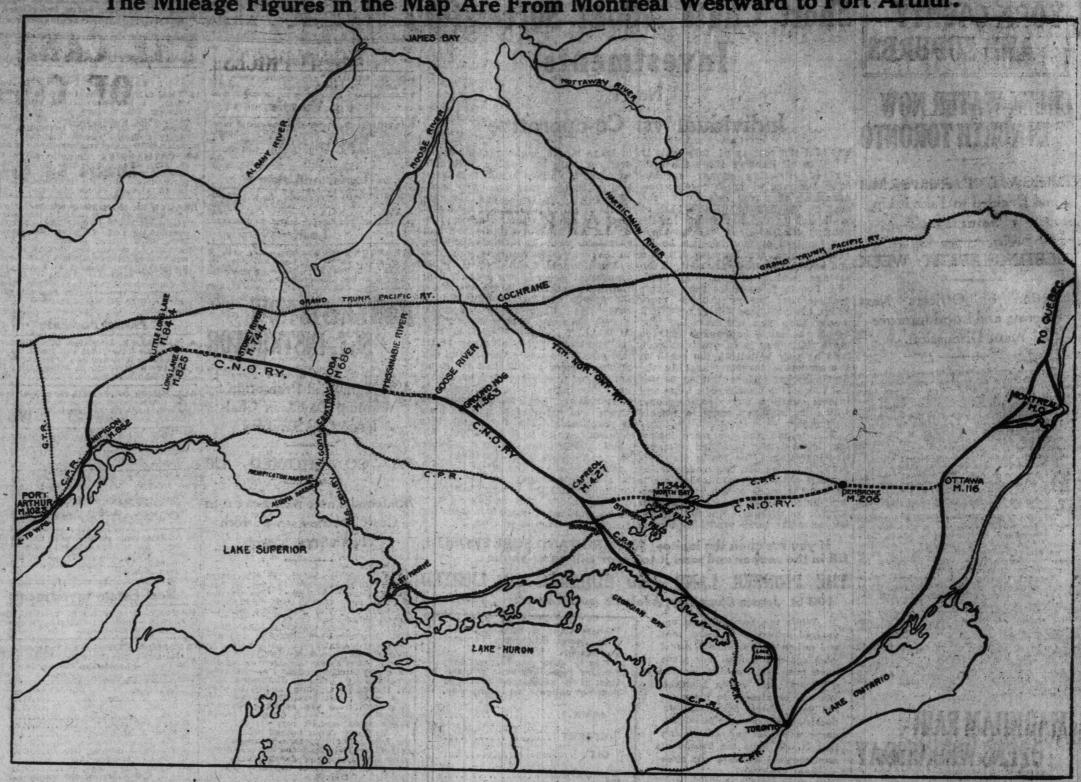
MEXICO CITY, Sept. 27 .- (Can. Press.)—General Porfirio Diaz, ex-President of Mexico, has been sum-moned by the war department to re-turn to Mexico far active army ser-

A cablegram sent to General Diaz today brought a non-committal reply from the ex-president, asking the war minister to await the arrival of a letter which he would despatch immediately.

General Pofirio Diaz is now in Biarritz France. It is recognized here that General Diaz is too old to render service except possibly in an advisory capacity, and it is assumed that such will be expected of him.

WOUNDED IN CAR ACCIDENT

Minola Ryhie, 127 Elm street, dodged ed in with boulders and rock, and built up to grade. The pit from which the rock or gravel is taken is called a borrowing pit, a term used by engineers to denote by colors on their proThe Mileage Figures in the Map Are From Montreal Westward to Port Arthur.



Judge its

Merits for

Yourself

As the size of

Mail Orders Filled

See Certificate

Printed on

Another Page

your thumb compares

with your hand, so this

illustration compares with

the size of the book.

No novel could be more interesting-no text book is more instructive. It is indeed the acknowledged standard reference work of the great Canal

By The Toronto World

Zone, in which every man, woman and child must be interested.

Mere words cannot describe it—an illustration such as is herein presented cannot portray its beauties. The French would call it an "Edition de Luxe." We

have no phrase so fitting. It is indeed a superfine

edition - a book of surpassing ele-

gance—the grand triumph of art

Takelt

ALMOST FREE

As explained in the Certificate printed daily in

these columns, this handsome volume is dis-

tributed at \$1.18 for the \$4 style (see illustra-

tion) and 48 cents for the \$2 book.

in magnificent colorings,

interwoven with word pictures

none the less

You Must Have a

Copy of It

artistic.

The above map shows the route of the line during the past fortnight and gathered from actual touch how rapidly the work is being pushed to downtreal and on to Quebec, and also the alternative section from Capreol to Montreal by way of Toronto. A World reporter went over a great deal of the newer portion of actual touch how rapidly the work is being pushed to completion, so as to give an all-rail line from Port Arthur to Montreal by way of Toronto by the first of the newer portion of a small piece of with the exception of a small piece of with exception of a small piece of bog near Sydenham, this side of Smith's Falls. Sir William Mackenzie left Toronto on Saturday morning to make the trip from Toronto to Ottawa of about 50 miles on work is to be laid, between Toronto and Montreal. Toronto and Montreal is now all rail-grading are proceeding from eight live ends, and on the exception of a small piece of bog near Sydenham, this side of Smith's Falls. Sir William Mackenzie left Toronto on Saturday morning to make the trip from Toronto to Ottawa over his own rails.

most determined effort to complete the track is between Port Arthur and Sudbury, which will give the Canadian Northern an all-rail connection between Port Arthur and Montread early in the new year. The Toronto-Ottawa and Sudbury-Port Arthur lines will be completed by the spring. A train runs daily from Toronto to Ruel, 327 miles. This train joins the Transcontinental main line at Capreol, 276 miles from Toronto. It leaves Toronto at 8.50 a.m., arriving at Ruel at 11.05 p.m. the same day.

From Port Arthur easterly the steel is laid 184 miles to Little Long Lake. From Oba (where the Algoma Central crosses the C. N. R.) it is laid 58 miles to Stony River, leaving about 100 miles between Stoney River and

SUPPLEMENTAL JUNIOR MATRICULATION EXAMINATIONS

The supplemental juntor matriculation examination was conducted by the University Matriculation Board from Sept. 8 to Sept. 18 at various centres thruout the province, including the Western University, London, the University of Toronto and McMaster, University, Toronto, and Queen's University, Toronto, and following students were successful in completing at this examination their junior matriculation standing. Certificates of complete junior matriculation have been mailed to them:

John J. Addy, Gladys M. Bartley, Charles L. Back, C. Ernest Begg, Jas. N. Bicknell, Charles S. Booker, Winona I Bryden, Fred A. Campbell, Newall Copeland, Arthur L. Crozier, Herman J. Elliott, Olive G. Fairles, Emily A. Ferguson, West Flannery, Fred Free, William E. Griffin, Ralph J. Haffey, Isaac F. Hamm, Clifford Henderson, Franklin A. Herman, Russell W. Hoffman, Celia E. Hounson, Muriel H. James, Raymond A. Jamieson, Fay P. Kilmer, Ben Luxemberg, James L. McBride, Henry W. McLeod, Mary F. Malcolm, Thos. R. Merritt, Elwood Oakes, Fred H. Roberts, Mabel E. Rumball, Morris Slegel, Victor Sifton, M. E. Smith, Wilfred W. Stratton, Joseph L. Valentine, F. P. Lawrence

NEW ELEVATOR TO BE READY SHORTLY

Work of Dredging at Port Arthur Should Be Completed in Two Weeks.

Madrid.

WINNIPEG, Man., Sept. 27—(Can. Press).—That the new government elevator at Port Arthur would be handling grain by October 10, was the statement made here by the grain

commission.

The slip is being dredged to allow vessels to load there and this work is expected to be completed in two

weeks.

The dapacity of the new elevator is five million bushels. No data has been set for the formal opening at which the prime minister and Hon. Geo. E. Foster are expected to be present.

TAMMANY MUST NOT GET CONTROL

Col. Roosevelt Declares This Should Be the Dominant Concern of the People.

ROCHESTER, Sep. 27.—(Can. Press.)—In an address before the state committee of the National Progressive party here to day, Col. Roosevelt declared that in the election in New York State this fall "the dominant concern of the people should be to prevent Tammany from obtaining complete control of the state, and to this the lesser issues must give way."

He argued that the predicament in which the state finds its public affairs is due to the failure of the people to elect last fall a governor and legislature pledged to the carrying out of progressive policies. In voting against Tammany candidates, however, Col. Roosevelt urged the voters to support the Progressive party candidates, to the end that they might "defeat Tammany without enthroning the Barnes Republican machine in its place."

ACTIVE ST NOT MUC

Reading and Strong, But Influ

SEGREGATIO

Germany's Ne ed by Berlin Bidder f

e active stock

LEAD

Imports Wort Await O New New

NEW YORK, made today amor ping companies ar bonded warehouse soon as the Under law on September New York and ot out the country vioreign made me foreign made mer For the last tw have been storing bonded warehouse seaboard waiting of the sweeping r provided for in t merchandise has extent where the have begun to co to raise the stor

"While we were for a holdup of im house man yes dreamed the stuff as it has. There re the new law to would be imposs any more storage. would be impess any more storage of affairs lasted. Altho the shippithere is certain to the shipments they declare ther need for addition the past few years Europe to this o carrying light car "Vessels bound to can exports," said reign exports have the reduced duties steamers with god steamers with go sell American ma

LONDON, Sept Discount rates es The attendance the attendance change was small the markets we continental politic ting against in commitments, what tendency to chand. Consols draw There was veamerican stocks.