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Montreal-Ontario River Cost Would Be \$250,000,000

Buffalo May Be Meeting Place For Developers of St. Lawrence.

NEW YORK, Feb. 13.—Development of the St. Lawrence river between Montreal and Lake Ontario, which is being considered by the International Joint commission on waterways in session here, probably would cost more than \$250,000,000 Obadiah Gardner, former United States senator from Maine, chairman of the American section of the commission, said yesterday. Making that part of the river navigable for deep draught ocean steamers would cost more than \$50,000,000 and development of unused water power—about 2,000,000 horsepower—would cost about \$200,000,000, according to rough estimates reported to Mr. Gardner. Consideration of the St. Lawrence development included a programme of commission hearings during April and May at "interested localities," on both sides of the boundary, Mr. Gardner said. A preliminary meeting in about four weeks at "some central point like Buffalo" probably will be called he added. Engineering surveys of the St. Lawrence by government engineers will begin in the spring.

The commission devoted today to deciding on the best way to carry into effect its recommendations of last year to stop pollution of international streams at Detroit and Buffalo. Consensus of opinion was said to favor drafting of a treaty for adoption by the governments of the United States and Canada. Joint legislation by the two countries was called inadequate and the calling of a convention of representatives to consider effective measures was characterized as impracticable, it was stated.

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FARMERS WILL FIGHT H. C. L.

(Continued from page 1.)

Leonard said the plans did not contemplate doing away altogether with the middlemen. He said the farmers hoped to reduce their costs by co-operative buying and to raise costs to the consumer by co-operative marketing.

"The food problem," he continued "is not one for the farmers to decide alone. It is just as much a consumer's problem. The suggestion of a farmers' strike is absurd. Economic prosperity depends upon agricultural prosperity and the farmers do not intend to strike. They want to increase production. Production is going to decrease this year, because of high prices and high labor wages which have driven farm labor to the factories. We will have no affiliation with organized labor. We want to co-operate with labor to the fullest extent, but we have little in common and we do not believe that the best interests of society are to be served with a political alliance with trades union people."

THE WEATHER

TORONTO, Feb. 13.—Several depressions except on the Continent this morning the most pronounced one being situated on the coast of Virginia, an energetic cold wave now covers the western Provinces. A few light snow falls are reports chiefly in Ontario.

FORECASTS—Mostly fair today. Light local snow tonight, becoming colder on Saturday.

ST. VALENTINE'S DAY

IS TOMORROW Tomorrow is St. Valentine's Day the usual lot of mushy missives, like-wise conical ones will find their way through the mails. The stationery shops report a good sale of all kinds of valentines, showing that the old custom is reviving. There will be the usual valentine parties tomorrow.

A Visit to the Victrola Parlors, Ye Olde Firme Heintzman & Co., Limited, is Always a Delight.

Five Victrola Records Everyone Will Want "Oh, What a Pal Was Mary." "Tell Me." "That Mammy o' Mine" "Golden Gate." "Listed, Lester Gems." Any record you may call for in these parlors.

HEINTZMAN & CO., Limited, 63 St. Paul Street, St. Catharines.

She Came From C

A FEW Sundays ago a young unmarried girl after vainly applying for admission elsewhere, staggered in a fainting condition into a maternity home.

HERS was the old, old story—trusting—betrayed—out-cast forsaken.

FORSAKEN? Not The Salvation Army thanks God every hour for opportunities given to show that the Love of Christ still beats in many hearts.

THIS young girl is passing through their hands peacefully and will leave them with her self-respect restored.

THE Salvation Army serves these in the shadow of distress.

308 Service Posts in this Territory. Use them!

400,000 IN GERMAN ARMY. Government Able to Execute Treaty if it Desires.

PARIS, Feb. 13.—The German army is still 400,000 strong, according to a report received by the committee of foreign affairs yesterday from General Niessel, head of the Baltic mission. In addition there are 100,000 policing forces, officers and non-commissioned officers. Germany also is well supplied with tanks, machine guns and airplanes. In the neutral zone alone on the right bank of the Rhine, the policing forces number 15,000.

General Niessel adds that the German minister of defense, Noske, is in the hands of the general staff and that the German government is capable, if willing, of obtaining execution of the treaty clauses by the country.

Contagious Abortion

A Too Common Trouble With Some Farm Mares. Cause of the Disease Discovered—Method of Spreading Described—Measures for Control—Oyster-shell Bark Louse With its Treatment.

(Contributed by Ontario Department of Agriculture, Toronto.) **C**ONTAGIOUS abortion of mares is due to a specific bacillus (Bacillus abortus equinus) which gets established in the uterus, fetal membranes and foetus, setting up local inflammation leading to expulsion of the foetus dead or alive at any time during pregnancy. The symptoms of approaching abortion are not usually in evidence until just before abortion takes place. Then the animal is seized with colic pains, restlessness and straining, and a swollen vulva with a mucous discharge is noticeable. After abortion, the symptoms are more specific. There is a chocolate brown fluid discharge from vulva which has a typical offensive odor, and the foetal membranes are inclined to remain intact, thus necessitating artificial removal to prevent blood poisoning.

The disease has been known in Europe for many years, but it was not found on the American continent until 1886 when it appeared in the Mississippi valley. Since then it has spread far and wide in the United States and Canada. Although many investigations were made both in Europe and America, it was not until 1912 that the cause of the disease was discovered. In that year E. S. Good, of Kentucky, discovered the bacillus which causes the disease. The same year Dr. Schofield, of Toronto, discovered the same bacillus in some cases of joint ill in colts which had developed in districts in Ontario where contagious abortion of mares was prevalent and the following year found the same bacillus in cases of contagious abortion of mares in Ontario.

Method of Spreading.—The disease is spread mainly by the discharges from the vulva of aborting animals. If a mare that has aborted is served before all discharges from the vulva have ceased and the genitalia have been carefully disinfected, then the stallion is liable to get contaminated with the bacillus and spread the disease to other mares which he subsequently serves. If the discharges from the aborting mare are allowed to contaminate the bedding or other materials that other mares come in contact with, then the mares are liable to contract the disease. If the discharges are allowed to contaminate water or food materials that are given to other mares, the latter are liable to contract the disease.

Measures for Control.—1. Three months must elapse between abortion and subsequent breeding. 2. Mares that have aborted must not be bred if there is evidence of uterine catarrh, even after three months. 3. Mares that have aborted must only be bred at the end of the stallion season. 4. Application of an efficient disinfectant to the external genitalia of the stallion after each service in affected districts.

Measures to be Employed at Time of Abortion to Avoid Infection. 1. Isolation of mare at first sign of approaching abortion. 2. After abortion the foetus and membranes should be burned, if possible, or buried deeply in quick-lime. 3. Those handling the foetus and mare should disinfect hands and clothing. 4. Bedding should be burned and the stall washed with a strong disinfectant. 5. External genitalia, thighs and tail of mare should be washed daily with a good disinfectant. Two per cent. bacterol, lysol, or cresol, is satisfactory for this purpose. 6. Isolation of mare should be maintained for at least a month or until all evidence of uterine discharge has ceased. Treating the animal with drugs, as carbolic acid, black haw and methylene blue, which are popular in some districts, cannot be recommended as being of any value.—Dr. J. H. Reed, O. A. College, Guelph.

Oyster-shell Scale. This is a very common orchard insect. It attacks not only apples but also pears, plums, currants and many ornamental and shade trees and bushes. Full grown scales are found almost exclusively on the bark and are easily recognized by their oyster-shell appearance. They are about 1/4 of an inch long, 1-24 inch wide, taper towards one end, and in color resemble closely the bark of the tree. The injury is caused by their sucking the juices out of the bark and thus weakening the trees. When very abundant they almost completely cover the bark and in that case may kill either the whole tree or portions of the branches. Most infested trees, however, are not killed but only weakened.

Control.—Spraying the trees just before or just after the buds burst with lime-sulphur solution, 1 gallon to 8 or 9 gallons of water, is a satisfactory remedy. The Regular Codling Moth spray with one gallon of lime-sulphur to about 39 gallons of water, to which two pounds of arsenate of lead paste or one pound arsenate of lead powder is added will also help greatly, because it will hit the young scale insects just after they have hatched, while they are still unprotected and easily destroyed. Dead scales may remain on the trees for several years after date of killing. Pruning the trees early makes it easier and cheaper to spray them well. Prof. L. Caesar, O. A. College, Guelph. School estimates as passed by the Property Committee of the Board of Education, Toronto, totaled nearly \$4,000,000.



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The Third Episode of Robert W. Chambers' Big Story of Mystery "THE BLACK SECRET"

Featuring Pearl White **The Pollard Comedies** Mat. 10c.; Eve. 10c and 15c

SAVE MAKE CANADA SECURE

"Go Teach All Nations Beginning at Jerusalem"

"THAT'S it" says a critic. "beginning at Jerusalem! You should correct paganism at home before going abroad to look for it. I do not believe in Foreign Missions."

The Need of Africa Africa was first explored by a Missionary who lies in Westminster Abbey, honored by all nations. David Livingstone was succeeded by other devoted men who gave themselves unreservedly to the people of the Dark Continent. Triumphant success in some districts—Uganda for instance—is balanced by dull failure in others. Yet the general prospect is encouraging. Through Canadian Missions in that land, men are raised out of savagery, women are ennobled, children are cared for and educated.

Yet Jerusalem was not Christianized when the Apostles went to Antioch; when Philip was sent to the Ethiopian.

Remember This The man who does not believe in Foreign Missions stands today clothed and educated because of Foreign Missions. When did English culture begin? With the visit of St. Augustine, a Foreign Missionary from Rome. Who Evangelized Rome? A Foreign Missionary named Paul of Tarsus and Jerusalem! What if he had gone to the Ganges instead of to the Tiber? Certainly Canada needs more Christianity, but the best way to improve our own spiritual life is to help bear the burdens of the world.

The Missions Established Five Christian Communions in Canada—Anglican, Baptist, Congregational, Methodist and Presbyterian—have an extensive mission work abroad. They have sent overseas many devoted men and women. By their work, barriers have been broken down and in every land there is an eager call for more missions, more teachers, more doctors, more hospitals. Now, owing to the declining value of the dollar, it is necessary to double the expenditure in order even to hold the ground won. Until that is done, an advanced Missionary programme can not be undertaken.

The Chance in China China is attempting to develop a democratic spirit before the nation is prepared for it. Many of the leaders got their first glimpse of true liberty in Christian Mission Schools. Now they talk of establishing one million Government primary schools. They look to Canadian Missionaries for help in the establishment of normal courses. Was ever such an opportunity before the Church—to help influence the school-teachers of a great, new nation of four hundred million people?

Mass Movements in India India is our brother-land, a loyal British dependency. Illiteracy is the rule. Caste imprisons the people and stifles all ambition. British administration has taught the folk the value of peace. English-speaking Missionaries from Canada are teaching them the value of education and the power of the Name which is above every name. Great masses of the people are asking for baptism, but there are not enough Missionaries to teach them.

A Mandate for Expansion

All men, who think honestly realize that the Gospel of Christ is unique in moral splendor, in spiritual force, in civilizing influence. It redeems the individual and exalts the nation. It has made the modern world of thought, of industry, of progress. It must go out over all the earth to ease international relationships, to put an end to cruelty and misery. There is free entry for the Gospel in every nation under Heaven. Lift up your heads, O ye Gates of India, and be ye lifted up, ye everlasting Doors of China and Japan and Africa, and the King of Glory shall come in.

The Call to Action Canadians, Churchmen or non-Churchmen, you met the charges of the war with cheerfulness, since it was waged to establish righteousness in the earth. Now hear the call of the Churches for adequate means to continue by peaceful suasion the work which for four years was done by batteries and bayonets. Your Church appeals directly to you, civilized and educated by Foreign Missions of an ancient time, to meet your obligation to that same Great Cause today.

The Need of the World Japan, Formosa, Korea, the South Sea Islands, South America, and not least, the pagans in our own land need the Gospel. The Missionary is welcome in all lands. Men everywhere appreciate the spirit of those Canadians who forget themselves in order to serve the suffering and the weak. Idealism in action counts!

National Peace Thank-Offering Simultaneous Every-Person Canvass by Each Communion February 9-14

The United National Campaign

Representing the Simultaneous but Independent Forward Movements of the Anglican, Baptist, Congregational, Methodist, and Presbyterian Communions in Canada

HERE'S A GIRL WHO PREFERS MARRIAGE TO PAINFUL TREATMENT

CHICAGO, Feb. 13.—Once upon a time Grace Amacker, Oak Park, shut herself in the thought of a death wish. She had been before last November, when an aching molar sent her to the office of Dr. Fred C. Newman. He handled the refractory tooth gently, that Miss Amacker said, and then in returning the next day, he further deftly attended to it. He told the young dentist prolonged the carrying of that tooth could be so great but by the time he finished, he had his patient weeping. Both objecting to the final "biting" they agreed on a "California Syrup of Figs" and were married by Dr. Newman.



Constipated Children Gladly Take "California Syrup of Figs"

Tell your druggist you want genuine "California Syrup of Figs." Full directions and dose for babies and children of all ages who are constipated, bilious, feverish, tongue-coated, or full of cold, are plainly printed on the bottle. Look for the name "California" and accept no other "Fig Syrup."



Canada at the National Exhibition

The importance and magnificent chapter in the history known the world over. Developments with amazing rapidity and ample, may be gathered from the fact of the war all synthetic materials were of Canadian origin. Our production at the National Exhibition admitted to be the greatest in history. In addition to the large attendance members of various scientific societies and others interested in commerce, the exhibition. These included, Metallurgical Engineers, American Association of Pulp and Paper Manufacturers, and others. The importance of this opportunity of our National Railways had an exhibit water power and raw material. During the Exposition two Commissioners, Industrial & Resources Canadian National Resources for enterprise and investment of the American Press and many a

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