### The Search for Oil in Mackenzie District

"The open season of 1921 in the disappointing during the last summer. terior, who has spent the past two therefore abandoned. seasons in the Mackenzie District. The Fort Norman Oil Co., one of the of additional knowledge gained.

dent. To the casual observer the field to be suspended for another season. has proved below par and therefore a failure. Such snap verdicts are to be work done, though a few minor atexpected-in fact they cannot be tempts might be recorded. Consideravoided. The tendency to over-esti- able staking was done along the mate and "boom" that was so rampant | Mackenzie River in the Norman field, last winter and spring could not fail to produce a reaction. Whether or shores of Great Slave Lake centreing not the field will ultimately prove fruitful, the facts that its location is River. Leases acquired under the far distant from markets and that systems of transportation will be difficult and expensive to establish, pro-

The usual army of cheap adventurers that gather on such occasions has of drilling during the season of 1922, tain and Dyer of the Department of been eliminated, and only the season- by the Imperial Oil, who may have Mining Engineering, University of ed veterans or recruits with sufficient from five to eight rigs at work, and Toronto, have been working, in such stamina and financial backing remain. the Fort Norman Oil Co. These conspands as they could find, on a Republicans were reported killed and 80 500; Japan, 32,000; France, 28,360; the "wild-catting," of this resource holdings on Hay River, a few miles human eye to distinguish them. The and in authorizing the Royal Canadian above its mouth, on the south shore problem is this: After gold-bearing Mounted Police to refuse right of of Great Slave Lake, have stated their ore has been crushed to fragments of entry to parties without material intentions of actively prospecting about an inch and a half in diameter means of combating the severe ele- their ground during next season. it is put into a "tube mill" or "ball ments and living conditions of the dis- There will possibly be a few other mill" which looks very much like a trict, or of others of questionable in- concerns represented, and more tan- huge drum. Into this same metallic tentions, though raising a storm of gible results are hoped for inside the drum a quantity of water is put and protest at the time, is proving effec- next twelve months.

tude of the task of developing the oil dike and other famous fields. oil, and finding themselves unable to To be brief, as it now stands, this well of only sixteen per second. Then the trade." participate in its development, have remains the only one yet brought in, whole process was clear as daylight. spread to the north, east and west in and in place of being a prolific gusher, Instead of watching a swiftly whirling search of minerals offering quicker re- is a rather insignificant little pro- tube mill the professors watch picturns. Already several promising dis- ducer. However, it actually does pro- tures on the screen, study the process coveries have been reported, and it is duce and a very high grade of oil at without difficulty (because lightningand a gasoline distillation plant with that, though in limited quantities. It like movements are now as slow as a capacity of from 150 to 200 gallons is reported that the Imperial Oil are desired), and draw conclusions from per day and are distilling gasoline for installing at this well five storage the data presented. the local river trade. These figures tanks of 4,500 gallons capacity each, may be exaggerated. True, the Im- of silent men are searching out the French Doctors Sever Tie perial Oil have a small plant and secret hiding places of other minerals some tanks, but perhaps not of this and may be heard from at unexpected capacity. There is as yet neither the places and times. An underlying tone available oil to produce the quantity of confidence in the future of this demand for any such amount.

This company is now drilling on the best judges. opposite shore from Discovery Well, on Bear Island, in midstream, on a line between these points, and at a point near Bear rock, a few miles below Norman. A crew of drillers will winter there and continue operations as long as possible.

The Imperial Oil were drilling also profession doesn't make angels of last year at Windy Point, on the men, does it?" northwest shore of Great Slave Lake. "Ah, there you do have the advant-

THE UNOCCUPIED LANDS OF CANADA

Lists Available of Areas For Sale in Maritime and Prairie

Provinces.

Mackenzie River oil fields has come Salt water was encountered and later and gone," writes Mr. F. H. Kitto. of a granite formation was reached. Bethe Natural Resources Intelligence youd this depth the prospects were Branch of the Department of the In- considered worthless and the well was

With the cessation of activities, that newer concerns, showed a remarkable were pushed with feverish haste dur- ability to speed up work, and on a ing the short summer months of con- location in the vicinity of Discovery tinuous daylight, comes an opportun- Well, drilled a hole to a depth of upity to review the progress and de- wards of 1,500 feet. An unsuspected velopment that has been accomplished, dip in the formation has been proved and to weigh the situation in the light here, as Discovery is less than 900 feet deep. Indications of bringing in On the whole, in general terms, an the well were reported good, but, owatmosphere of disappointment is evi- ing to lack of casing operations, had

This is about the extent of actual as well as on both north and south on Windy Point, Pine Point and Hay terms of the old regulations were sold for as high as \$35,000 and are still in demand though at reduced figures. hibit an immediate return from any New leases are almost going a-begging for purchasers.

Indications point to an active era

It now becomes evident to the to be ushered in by the excitement the ore is ground fine—the whole prothinking man that the returns from that marked 1921, it is not improbable cess resembling nothing quite so this source, if any, will be slow in ap- that it may witness material advance- much as digestion in a fowl's "crop," pearing, and that the work of pros- ment over anything yet accomplish- where food, water, and small pebbles pecting and developing will not be ed. The public should not be surprised are "churned" together. The research spectacular. There is, however, no or stampeded at reports of fabulous workers ask themselves these quesreason to feel disappointed. There is discoveries, nor disappointed if new tions: How fast should this drum be no more excuse for a re-action now findings are not immediately forth- rotated to secure best results? How than there was for a boom last spring. coming. It is generally conceded that many "rock balls" should be put into The fact is, there never was any justi- even with the most gratifying suc- the drum? Should these balls be as fication for jumping at conclusions of cesses development must of necessity large as a baseball or as small as a enormous returns. Only a beginning be slow. It is also well to bear in golf ball? Should large and small has been made and serious prospecting mind that a scattered advance guard balls be mixed, and, if so, in what prois hardly yet in full swing. The field just possible that directly or indirect- portion? As about two million tons of has by no means been tested, and ly the oil stampede may result in the gold-bearing ore are treated each northose in a position to hazard a sane opening up of one of the greatest mal mining year in Ontario, these are forecast are exceedingly optimistic. mining areas of the north. Among rather important questions. But how The summer has resulted in empha- these prospectors are found some of can answers to them be obtained when,

the reach of the man of limited capital, at a point on the right bank of the era, on the initiative of Clifford Sif- will sooner or later be lowered, of discovering valuable deposits of Mackenzie River about 45 miles be- ton, Jr., B'15, supplied the answer. while Southern Ireland will not placer gold, gold-bearing quartz and low Norman. Late last fall a gusher A "movie," at the rate of one silver, lead, zinc, copper and iron was reported to have been struck here hundred and twenty pictures per ores. A large number of prospectors, at a depth of about 885 feet. Wild second, was taken. The pictures attracted to the district by the pub- stories were circulated as to the tre- were then transferred to the licity resulting from the discovery of mendous volume of oil encountered. screen, but were shown at the rate of gasoline mentioned nor the local great district is expressed by those whose qualifications fit them to be the

#### The Retort Courteous.

"Why is it, doctor," said the lawyer, "that you are always running down the legal profession?"

"Well," replied the doctor, "your

The continuation of this well proved age of us," came the prompt retort.

issued for Nova Scotia, New Bruns-

VISCOUNT MORLEY.

Veteran Home Ruler in the House of Lords, and twice Secretary for Ireland, who at the age of 83 moved in the House of Lords the adoption of the Irish Peace Treaty. It was his first appearance after seven years of

#### New Use of "Movies."

For some months Professors Haulalso a number of balls of metal or Though another year is not likely stone. The drum is then rotated and sizing two main features—the magni- the most experienced men of the Klon- through the specially constructed resources, as already referred to, and Interest, of course, focuses on the human eye sees only a blue, a swiftly traction to British or foreign hues were particularly vivid and gorthe great possibilities, more within Imperial Oil Discovery Well, located moving mass? The ultra-speed cam- capital. The British income tax geous.

# in Siamese Twins

A despatch from Paris says:-With the presentation this week to the Academy of Medicine by Dr. Le Filliatre of "Susanne," a healthy eightyear-old child, was produced living proof of a successful operation per-

died following the operation, Dr. Le Paris. Filliatre explained that death was due, not to the severing of the connecting organ, but to a fatal malady.

ed three months after birth, was made extremely difficult by the presence of numerous blood vessels in the connecthepatic tissue joining the livers of

### One Country Where U.S. Dollar Below Par

One of Canada's chief needs, in fact occupied lands in the several provher most important requisite, is the inces. These lists give such informa-A despatch from Geneva says: tion as name of owner and his address, location of the property, price -Switzerland is the only counand terms on which it can be acquired, try Due to absent proprietors, or lack quality of soil and area available for United States dollar to-day is beof information as to the conditions cultivation, distance from railway, etc. low par. The dollar was quoted under which the property may be ac- So far as possible the information has at five francs 12 centimes on the quired by prospective settlers, the been secured from the owner or the Geneva Bourse. land continues in an unproductive con- agent for the property, with a view to

The normal rate before the war was five francs 15 centimes. The highest rate after the armistice was signed was five francs ninety-nine centimes.

A kindly feeling is the touch that never hurts.

# GREAT BRITAIN MAKES PLEA FOR SCRAPPING OF SUBMARINES

A despatch from Washington On behalf of the United States, strong reasoned plea for the scrapping a weapon of unlimited warfare against of all sub-sea craft. Delegates of the commerce. United States, France, Italy and Ja- The discussion of the submarine pan followed him with a flat rejection question is not yet concluded. In the

ever, that this conference should de- experts as to the effect of the stateclare the sinking at sight of merchant ments made at the first meeting, vessels a heinous offence against the | The committee was unable to take rules of war. They will probably any further steps to settle the Francoenter into an agreement conferring on Italian naval strengths. The French the submarine the right of visitation announce that they were still waiting and search, but they will condemn the for further guidance from Paris, and sinking of mercantile vessels carrying were not in a position to hand in their arms and contraband before passen- statement of claim for strong squad-

says:-Great Britain found herself Secretary Hughes read the unanimous completely isolated in her demand for report of the Advisory Committee of the total abolition of the submarine, the American delegation, declaring Lord Lee, of Fareham, First Lord of strongly in favor of the retention of the Admiralty, made before the full the submarine as a defensive weapon, committee on naval armament a but advocating that it be outlawed as

meantime all the five delegations con-All five powers were agreed, how- cerned will consult with their naval

gers and crew are able to take to the rons of light cruisers, destroyers and

#### CONSTABULARY AND SINN FEIN IN FIGHT

#### Six Republicans Killed and Twenty Wounded While Battling With Police.

ment in framing new regulations that field next year. A syndicate of Mont- because the operations involved occur Feiners and constabulary in the moun-20 wounded in a battle between Sinn and Italy, 18,250. tains of County Tyrone early on Wed- posals of 90,000 tons each for Great nesday morning.

marching them off. Early Wednesday two countries in proportion. morning special constabulary from Tyrone, while scouring Sperrin Valley, Queen Mary's Card came across a body of men with the captives. The police gave battle and chased the Republicans into the mountains, both sides firing as they ran.

It was during this engagement that the Republicains suffered their heavy losses. The captives were released and the police captured five Sinn Feiners during the fight.

#### Effect of Irish Free State on British Trade

A despatch from London says: -Lord Aberconway, one of the most prominent figures in the British shipbuilding and coal industries, says:

"The Irish Free State, even be able to get along without a pretty high income tax. The Irish Free State will not have any adverse effect upon British

#### The World's Water Power.

The available water power of the world is estimated at about 200,000,000 horse-power, of which approximately 25,000,000 is now developed or in the course of development.

#### Question of Submarine Tonnage of Powers

A despatch from Washington says:-Lord Lee presented the following estimates of existing submarine

He pointed out that under the pro-Britain and the United States, and Alleged Republicans Tuesday night 54,000 for Japan, the United States made a raid near Limavady. County could build 6,500 tons, Great Britain Londonderry, capturing 15 men and 9,500, and Japan, 21,800, with the other

# Bears Betrothed's Portraits

A despatch from London says:-A Christmas card of rather novel character was used by the Queen. Instead of taking the conventional form, the card is headed "The Royal Romance." Of buff-colored board, it contains portraits of Princess Mary and Viscount Lascelles, and below is attached a small calendar bearing the words, "With good wishes, 1922."

Calgary, Alta.—Calgary gardeners have demonstrated that the pessimistic prophets of twenty years ago were lacking in vision in respect to certain flowers, such as dahlias. The first dahlia show has just been held in the with an exceptionally low in- entered. Some of these were from six

> Vancouver, B.C.—Twelve lines of steamships are now passing through the Panama Canal regularly, carrying British Columbia produce to the Atlantic ports of the Americas and to the United Kingdom and European ports. Two-thirds of the prairie grain arriving at the Calgary elevators during the past week were for shipment via the port of Vancouver. During the whole of last season's grain shipping period, will 16,000 tons of grain passed through this port. Already this season 50 000 tons have been received and shipped from here.

## STATES MAY BE MORE THAN "OBSERVER" IN SUPREME COUNCIL

Harvey, the American Ambassador, will play a much more important part formed eight years ago to separate in the forthcoming meeting of the Su-

understand on excellent authority that fine one. In general, it is safe to say The operation, which was perform- States participating in the present will be followed at Cannes, and aftermovement toward an economic revival wards, will be to participate actively of Europe to a much greater extent in any question which is likely materiing tissue, and the fact that organs of It is even stated upon reliable author- and finance, or in a situation which asked to do so, will probably send a ities.

A despatch from London says:- | representative to the general Euro-There is reason to believe that George pean economic conference, which Premier Lloyd George hopes will result from the meeting of the Supreme

Though Ambassador Harvey is sup-While Madeleine, the other twin, in the last meeting of the Council at merely as an "observer," the line where "observation" ends and "active The correspondent was given to participation" begins is an extremely ity that the Harding Government, if might result in international hostil-

### MADE FOR CANADIANS IN DIRE DISTRESS IN

A despatch from New York says: -- | search of food and employment are

adian and British ex-soldiers in New appeal." York not only out of employment, but! The actual work of relief is being in real need of shelter and clothing. carried on by the British Great War As the Winter grows more severe Veterans of America in New York who

"Many of our fellow-Canadians in the finding of employment.

There is so much distress among Can- out in the present weather without adians ex-so diers and otherwise in sufficient clothing and I appeal for New York City-that the president of your contributions of any spare cloththe Canadian Club has issued the fol- ing you may have. Over forty men a day are being dealt with and I can-"There are many hundreds of Can- not over-emphasize the urgency of this

their needs will become the more have now established a bureau for the issue of clothing and subsistence and

#### it is more or less contiguous to rail- Lists of unoccupied lands have been With a view to bringing the owners wick, Prince Edward Island, Manitoba, of land and enquirers together, the Saskatchewan and Alberta, and these Natural Resources Intelligence Branch lists may be had on application to the of the Interior Department is compil- Natural Resources Intelligence Branch, ing and publishing lists of such un- Department of the Interior, Ottawa.

increased use of the unoccupied lands,

dition, notwithstanding that much of maximum accuracy.

now held in private ownership.