

Being Carried On in the Algoma District of Ontario.

Interesting Interview With Col Leys, M.P.P.

Description of Development of Water Power at Sault Sie. Marie,

Also of the Opening Up of the Mineral and Timber Lands in Algoma District.

Rich Finds of Iron Ore-A Model Village Being Laid Out-Remarkable

Col. F. B. Leys, M.P.P., interviewed the great water power at Sault Ste. of the water now running to waste down the rapids of Ste. Marie." Marie and the opening up of mineral and lumber lands in the Algoma district of Ontario. The genial colonel had just returned from one of several trips to that district, when seen, and work of Francis H. Clergue, who is at are now engaged in developing and utilizing the vast power of Lake Super-

"There is now under way at the eastern end of Lake Superior," said Col. Leys, "a development of industries that is one of the most interesting of any new installation now progressing on the American continent. This development is based on two axiomatic propositions: 1, that the day of large and assured profits in competitive industries is declining and that such profits must be made form original processes, which processes will be to a certain extent monopolistic, using that word in its best sense; and 2, that to be successful in the broadest way industrial development must utilize only such materials, ingredients and methods as being natural to the locality can be cheaply assembled at point of manufacture, and must utilize all of them, disregarding no by-product of commercial value that can without too great cost be made productive. These prositions, backed by skill, an enthusiasm and esprit du corps rarely excelled, ample capital and a directing mind of grasp and acumen, would seem a

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combination for results. This is, in brief, the situation as to the nine or associated companies located at the Saulte Ste. Marie, Ont., that are now engaged in developing and utiliz-

under the leadership of Francis H.

Q.-What is the product of these com-

"At present the product is limited to "At present the product is limited to paper pulp, one of the largest mills in the world being steadily at work, and to iron ore from a mine just opened. But there are under construction what will be the largest chemical pulp mill in existence; works for the production from nickeliferous pyrrhotite of sulphurous and sulphuric acid, sulphite hiquor and sulphurous anhydrid; works for the reduction of the roasted cinder, which is a by-product of this pyrrhowhich is a by-product of this pyrrhotite, into a nickel steel or ferro-nickel alloy of value in the arts, and a large electrolytic plant for the production of high grade. There are three other caustic soda and bleaching powder is about going into operation. Works tention of the owner of a Helen and planned and to be erected as rapidly a Josephine. These are the Jackfish, as possible include blast furnaces to treat hematite iron ore from the company's new Helen mines on the northeast coast of Lake Superior, and a rail mill to roll daily 1,000 tons of nickel steel rails, etc. For the immediate present the power used amounts to about 20,000 horse power, of which 14,000 are required by the mechanical pulp mill and the remainder for machine shops, alkali works, experiments, etc. But Work of Development by the Clerque Syndicate.

When, however, he tried to charter the ore he could get the carry the ore he can be carry the ore he carry the ore he can be carry the ore he carry the carry the ore he carry the carry the ore he carry the ore he carry the carry the ore he carry the ore he carry the turned for a third canal, to be on the Canadian side and to develop 40,000 horse power. The total of these three by a representative of The Advertiser, canals will give this one cimpany the gives some interesting statements re- with Lake Superior for a mill pond, garding the remarkable development of and they will utilize most, if not all,

> RICH FIND OF IRON ORE In speaking of the recent find of rich iron ore mines in the district, the col-

"The Clergue interests have developed within twelve miles of Michipicoten harbor, northeast shore of Lake Superwas very enthusiastic over the indus-trial development in that part of Ontario. He speaks in high terms of the the Michipicoten range from which company expects big things, but this first mountain of ore, called the head of several companies, which Mount Helen, I have seen, and there can be no doubt that it is the most amazing thing in iron mining in the history of the western hemisphere.

"To get a view of the mine it is necessary to go from Sault Ste. Marie by boat, 125 miles, to Michipicoten harbor. A passenger boat, the Minnie M., owned by the Algoma Central, leaves It is a ride of from 10 to 12 hours. Michipicoten harbor is at the extreme end of Michipicoten Bay and is completely landlocked, being surrounded by high, green-clad hills and mountains, and has safe anchorage for all the ships on the lakes.

IN THE HARBOR.

"When you arrive in the harbor you see these things: An ore dock 500 feet ong, with 12 pockets and 12 chutes, jutting out into deep water, with capacity to load the largest vessel on the lakes in two hours; a commercial dock of about the same length, some hundreds of feet away; a dredge, working within 100 feet of the shore, timming up the clay bank for a coal dock; a little village of newly-erected buildings, including offices, warehouses, boarding-houses, homes for the employes, a sawmill, and a neat hotel. with a broad veranda facing the water; a railroad station, various railroad tracks with locomotives puffing about with trains of ore and freight cars bearing the label, 'Algoma Central Railway'; and upon a rocky isle in the harbor the log house which is the home of E. V. Clergue, brother of F. H. Clergue, and general manager of the Michipicoten operations. You see men nstalling an electric light plant, and laying water and sewer pipes, and you learn that a little lake up the mountain, cold, and clear as crystal, is the water supply, and that it is coming down by gravity-no pumping station and no operating expenses, yet a perfect system of waterworks.

THE HELEN MINE. "You then take a train and wind out through a natural pass in the mountains to the mine. The railroad rises gradually during the entire 12 miles. The road, which is to be a branch of the main line of the Algoma Central, is laid with 85-pound rails. The bed is ballasted with gravel, and the ride behind a 110-ton locomotive is smooth and steady, until you reach a portion of the mountain that has been stripped of trees and soil from the water's edge up. Black smoke is soon seen coming from the tall stack of a huge ore crusher, and from the red anthill to the crusher you see two lines of cars, one coming and the other go-

ing. This is the Helen mine. "Your train passes around the lake and stops at the crusher, at the base of the hill, and then only you begin to realize that you are in the presence of something truly enormous. You take a 100-foot tape and measure the uncovered hillstde. You find its dimencovered hillside. You find its dimensions to be 1,260 feet by 200 feet, and company retain for their own use, that there is not a thing in sight except red hematite. You find diamond drill holes at the water's edge 300 feet deep, which do not reach the bottom of the deposit of ore. You climb to the top of the uncovered portion, and enter a tunnel which leads 350 feet into the mountain through the same solid ore, | South Africa.

as where it begins. "Meantime the men on the hillside are drilling, blasting and shoveling, and the ceaseless procession of loaded cars rolls to the crusher, while the empties roll back, and this continues day and night. You take out your pencil and figure a little, and then you announce that there are 30,000,000 tons of ore in sight, and the captain of the mine says: 'Yes, about 27,000,000 tons, and every ton represents a profit of \$2 or better to the company.' You gasp a little at that, but later you satisfy yourself that it is simple truth. Here are 27,000,000 tons of ore in sight on the mountain side, ready to be mined, not by miners, but by quarrymen working in the open air and sunshine. How many millions are concealed back in the mountain or in the depths below the lake no man knows. However, this lake and others in the chain below it can be drained by a little easy tunneling so that the ore can be taken out to a depth of 350 feet before any subterranean mining will be necessary."

A MODEL VILLAGE.

"The ore rattles from the crusher into pressed steel ore cars, which hold 55 tons each, and as fast as a train is filled one of the big locomotives starts with it for the ore dock at Michipico-

ten Harbor.
"At the village of Helen Mines the company is erecting comfortable quarters for a population of from 3,000 to It is the intention of the company to never build a house anywhere upon its property without giving it all the modnow engaged in developing and utiliz-ing the vast power of Lake Superior, room, water, sewer connection and sanitary plumbing, and as this is to apply even to \$600 cottages it is to be seen that the miner on the Michipico-

ten range will be a lucky individual." "From the Helen mine the Michipico-This has been uncovered to some exhigh grade. There are three other mines good enough to be worth the at-18 miles from the Helen, the Magpie, 24 miles, and the Dog River, 36 miles. A FLEET OF SHIPS.

"It must not be supposed that to carefully plan the construction of this railroad and docks in the primeval wilderness at this point, 125 miles up a rock-bound and inhospitable shore, was Mr. Clergue's sole occupation during this time. The feat at Michipicoten was but an incident. The task he had ships to carry the ore he could get none. The lake vessels were all engaged. Yet this did not dismay him. He hurried agents off to Europe to buy ships, and when the ore began to com down from the Helen mine it found a fleet of four 2,500-ton vessels awaiting it. Within 30 days from the completion of the railroad five cargoes had gone down from Michipicoten to the Canada iron furnaces at Midland, Ont. From this time until the close of navigation four cargoes a week will be delivered to the same furnaces.

'When navigation on the lakes closes the four ships will depart for Europe, carrying each a cargo of wood pulp from the Soo to a foreign market, and this winter they will do duty as ocean tramps while the Helen mines will place 500,000 tons of ore upon the stock pile. Next spring the fleet will be augmented by four additional and slightly larger ships, now building in England and by eight tow barges of 9,000 tons capacity each.

"It is the expectation of Mr. Clergue, as soon as the Michipicoten branch of the Algoma Central Railroad has been completed, to connect with the main line, or Hudson Bay road, and the Josephine and other mines of the range can thus be reached, that the ore shipthe Soo every other night, and returns ments will reach the enormous aggre-from Michipicoten the following night. gate of 3,000,000 tons per annum. This will be the largest output of ore by any single concern in the world.

FOR TESTING THE MINERALS. "The company have erected at the Sault a fine laboratory, in which they test free of charge any minerals brought to them from any part of the country near their operations. The laboratory is thoroughly equipped, and analysis by electrolysis in many minerals is regularly carried on. Twelve chemists are employed in analyses and

experimentation. Finding it unsatisfactory to secure elsewhere the machinery and tools required for many of their processes, the company built a large machine shop, where they have erected all possible parts of their equipment. They have just completed and are now moving into an addition to this shop, 100 by 180 feet, and two stories high, equipped with new tools throughout from the best makers in America.

"The railway projects of the com-pany are aided by the government, and besides their land grant they have within the past month received cash subsidies from the Dominion government of \$360.000. The Algoma Central has ten miles of railed and ten more ready for steel, northerly from the Sault, and will reach a point 150 miles north next year. It is chartered and subsidized to Hudson Bay, 500 miles north, and by the very recent purchase of the charter of the Hudson Bay and Sault Ste. Marie road it comes into line for an additional land grant of 1,250,-000 acres and \$500,000. This will be earned later. 'We shall be running through trains to Hudson Bay, and carrying fish to Chicago from there inside of five years,' said Mr. Clergue, when speaking of this part of the enterprise. The Sudbury line, named the Manitoulin and North Shore, which is likewise subsidized by the government, is being railed for a considerable portion of its ultimate length of 75 miles through the nickel belts.

SCOPE OF THE ENTERPRISES. "The various companies under the ther various companies under the control of F. H. Clergue and his brothers, E. V. and B. J., have so far spent between \$4,000,000 and \$5,000,000, and their daily pay roll is more than \$5,000. The projects they have in hand will cost \$20,000,000. The mechanical will cost \$20,000,000. The mechanical pulp mill is now earning, it is claimed, at the rate of \$900,000 per year, and is fixing the price of wood pulp in the west; and the sulphite mill will be earning \$1,500,000 per year before win-Rentals from leases of power already made at the Michigan canal will amount to nearly \$500,000 a year, bewhich portion it is hoped to utilize for are not unpleasant to the taste, at the extraction of silver from lake their action is mild and soothing. copper, and for the reduction of what trial of them will prove this. The ores of copper may be found in the offer peace to the dyspeptic.

THE WEATHER TODAY-Fine; a little cooler.

EARLY CLOSING--Customers will kindly bear in mind that this store closes at 7 o'clock every Saturday evening to permit

The Place For Fashion Sights

Welcome

Fair Visitors

During Fair Week we will as usual throw open our large store to visitors all day long, and until closing time it is your privilege to spend as much of your time and money here as you care to. We have sights for ladies here that cannot be seen at the Fair or anywhere else in Western Ontario. City customers are invited to come with their visiting friends and see the very latest styles from the world's leading markets. Buy if you care to, but you don't have to. We never urge customers to buy. Make your visit pleasant and profitable. We will care for your valises or wraps while at the Fair.

Pillow Slips and Sheets

Busy housekeepers, who are preparing to entertain visitors during Fair Week, we can help you in the very important matter of Bedding Materials, such as Pillow Slips and Sheets. We have them all ready to use, at little or no advance over the cost of materials themselves. It is worth noting that these Sheets and Slips are torn (not cut) be'ore being 5,000 people, using for the purpose all the lumber the mill at Michipicoten and \$3 50 each, according to size and quality. A nice range of Pillow Slips to match different styles of sheets, at

> White Bed Quilts

We are now showing an exceptionally fine range of White Bed Quilts, in Marseilles, honeycomb and crochet patterns. The prices range from 75c to \$5 00 each, and we assure our patrons that at the prices they are cheap indeed. We invite you to inspect them, and while in look at our Sheeting, in unbleached and bleached qualities, plain or twill (which we will hemstitch or hem on short notice at a very moderate cost), at 18c to 55c the yard.

Colored Dress Goods

This is the place and this is the season for novelties in Fall Dress Goods. We have been opening up a great many lines of new goods the past few days, among which are the following, which we consider to be worth special notice, as they will be very popular this season:

44-inch Special Homespun, invisible stripe, levely shades of gray, heavy weight. Marked low at 45c 44-inch Special Homespun, brown and blue gray crossbarred with black, very pretty effect. Marked low at....
44-inch Heavy Tweed Homespun, in small checks, in

green and brown mixture; make up stylishly into

We have two specials in Navy Blue Serges, just in. We would like you to see these pieces. They are of good weight, have smooth surface, are heavily twilled, and are marked low, at 50c and 65c the yard.

Choice

The Fall perhaps is the special season for Flannelettes buying, though at all seasons it is in demand. Just now, however, winter garments are thought about, and Flannelettes thoughtful housewives pay attention to making up such needful things ahead of time.
We have a great selection of very choice Flannelettes and Wrapperettes, among them

the following: 30-inch Striped Flannelette, good colors and splendid quality. Now.
32-inch Striped Flannelettes, English make, guaranteed fast. Now. 32-inch Flannelette, English make, pretty stripes in light and dark shades; extra heavy and sure washers. Now.

A nice lot of English Wrapperettes, in pink, blues and red grounds, with small dot and stripes. Now.... A splendid line of English Fancy Flannels, in tweed

check, reversible, at 12½0

33-inch Striped Flannelettes, light and dark colors. pretty stripes and extra choice quality, perfectly fast. Now. 32-inch Flannelettes, English make, in plaid and small checks, very fine goods and fast colors. Now.....

A nice lot of English Red and Black Reversible Wrapper-

SMALLMAN & INGRAM

149, 151 and 153 DUNDAS STREET.

Brenton, Manager.

GOING HOME RICH

Laplanders Took Reindeer to Alaska-The Herd Grown Till It Numbers Three Thougand.

Duluth, Minn., Sept. 6 .- Dr. Sheldon Jackson, commissioner of education for Alaska, who was here Tuesday, is convoving across the continent 25 Laplanders, who were sent by the government to Alaska 30 months ago, with reindeer, and who are now on their way home to Jokkonk. The Laplanders were sent to Alaska early in the Klondike excitement with reindeers that were to be used as beasts of burden and food by the starving miners. The Klondikers were found to be less needy than was supposed, and the deer were not used for food. The Laplanders were employed as mail carriers and deer drivers at a salary of \$268 a year each besides food and clothing. They are now going home rich beyond the dreams of avarice with from \$600 to \$700 each, enough to keep their families in affluence for years.

Of the 540 deer imported by the government many died of starvation before they reached the tundra, hay being found so rich a diet that they would not eat it. Later 700 reindeer doe were brought over from Siberia, and the Alaska herd now numbers nearly 3,000. Dr. Jackson says the services of the Laplanders to care for them are no longer needed, and that they will increase rapidly under government protection. He looks for them to become ultimately an important source of wealth in interior Alaska.

Dr. Jackson is founding schools as fast as the means at his command will permit. There is one at Point Barrow, another at Cape Clarence, another at Cape Prince of Wales and others at Nome, St. Lawrence Island and else-The Aleuts at the Prince of Wales school issue a paper, printed twice a year, and it is by many miles the most northerly journal in the world. It consists of four pages, about seven by nine inches, and is printed in Eng-

ONE TRIAL OF MOTHER GRAVES' Worm Exterminator will convince you that it has no equal as a worm medicine. Buy a bottle and see if it does not please you.

Two British ships, each over a century old, were still sailing the seas last

A PLEASANT MEDICINE. - There are some pills which have no other purpose evidently than to beget painful internal disturbances in the patient, adding to his troubles and perplexities rather than diminishing them. One might as well swallow some corrosive material. Parmelee's Vegetable Pills have not this disagreeable and injurious property. They are easy to take. are not unpleasant to the taste, and

It may make life happier to know that a cat just about half grown can Heather grows in many parts of devour twenty mice a day, or 7,300 a

The manager of the Gurney Oxford Stove Store, 382 Richmond street, opposite City Hall, extends a hearty welcome to all visitors to the Western Fair to call and see the latest designs in modern stove construction. We have the finest equipped stove store in the city. Our prices will interest you. A. J.

Binder Twine. Binder Twine. Binder Twine.

Hobbs Hardware Co.,

LONDON, - - . ONT.

Hay Fork Rope. Hay Fork Rope. Hay Fork Rope

PRETTY, BUT POISONOUS. New York, Sept. 6 .- Attracted by the white blossoms of the poisonous Jamestown weed, two little Brooklyn boys chewed the blossoms while playing in an open lot yesterday, with the result that one is dead and the other is barely recovering. The dead boy is George Lenz, four years old, and his playfel-low is Joseph Johnson, five years of

His Wonderful Nerve

Alone sustained Editor F. M. Higgins Alone sustained Editor F. M. Higgins, of Seneca, Ill., when all doctors and medicines failed to relieve his pain from piles. Then Bucklen's Arnica Saive wholly cured him. Infallible for Injuries, Pains or Bodlly Eruptions. Cure guaranteed. Only 25c a box. Sold by W.

The intemperate use of tea and cof-

T. Strong & Co. An inquiry has brought out a statement that "there is not a building in Chicago but is erected illegally." DR. McGLYNN'S WILL.

Newburgh, Sept. 7.—The will of the Rev. Dr. Edward McGlynn has been admitted to probate in the surrogate's court. The testator gives all his property, of whatever kind and wherever found, to his "dear friend, Michael Clarke," secretary of the Anti-Poverty Society. He appoints Mr. Clarke sole executor without bonds. There is nothing to show the value of the estate, nor does the testator intimate what he expects Mr. Clarke to do with it.

The intemperate use of tea and coffee produces results as real as those of drunkenness. Total blindness is often the result of excessive coffee