

MINING COAL THE FAR NORTH OF MAN'S LAND

Extensive Operations Are Being Carried on With Success.

ONLY THREE MONTHS OF OPEN SEASON

Only about a Hundred Days of Navigation when Years Output Must be all Shipped.

ARRIVEAU.

June 15th, 1913, the storekeeper at the mine on account of the experienced from customers. They to me, I can tell years ago, I was the vomiting and a base of my skull. I took "Fruit- 2.50, trial slices, or sent on receipt- 5.00.

Churches. area has gone from ridgion, Nova Scotia. November 5 he was reception by the people in the town. The church has engaged a pair of field- 2.50, trial slices, or sent on receipt- 5.00.

Output 4000 Tons a Day.

Operations of the mine has been incidental heretofore but machinery capable of maintaining it on an economic and commercial basis as possible is now expected to raise the bulk of ships to 4000 tons a day. This increase in output, however, will not diminish the extensive vein of coal to such a degree but that it will take over 1800 years at that same rate to cover the area in the 170 sq. miles. The vein runs from about three feet nine inches to four and a half feet in thickness.

A new opening is being made 900 feet above sea level; the old entrance is about 750 feet above the sea, half way up the side of a high plateau. The main entrance is 12 feet wide allowing room for a double track. The mine is laid out in squares by cross entries leading from the main entry.

Mined by Electricity.

Most of the coal is cut away by electricity operated machines although some is done by the pick. It is expected that about 160,000 tons of coal will be taken out of the mine in the storage period and that the other 40,000 tons will be removed during the three months of open navigation and while the storage pile is being depleted.

All of the lighting of the property and the operation is done by electricity. There are two 100 horsepower boilers, one generating 250 horsepower and a new unit is being installed to develop another 150 horsepower, giving a total of 700 horsepower. The conveyors fans, cutters and various devices of modern coal machinery are run from this power.

In order to handle the increased output Mr. Longyear says that it will be necessary to have a fleet of from 20 to 30 coal-carrying vessels. The product of the past four years which has amounted to about 160,000 tons has been shipped in charters of one or two for the most part, although one vessel is owned.

Hire Ships in Summer.

The chartered ships are hired only during the summer. The vessel belonging to the company is sent out as a tramp steamer during the nine months of closed season at Spitzbergen. She sets timber at Archangel for Holland, then carries a cargo to Lister and brings out iron ore for England whence she can secure a cargo of coal for the continent and mayhap goes up to the Baltic.

The fleet of vessels may range in tonnage from 400 to 2300 tons and the largest will load 3800 tons. These ships will make from three to five trips in one season according to the rapidity with which they are unloaded at the ports on the continent.

The nearest port to Spitzbergen is Tromsø, 575 miles south of the Norwegian coast; but the latter is 2000 miles long so that a wide range is afforded the distribution of the 200,000 tons per year. Not many of the coal yards in northern Norway can handle a ship's cargo of 3800 tons and it takes sometimes nine days to unload whereas in England through more modern methods, a vessel is free in 20 hours.

This coal is competing with English coal although it is probably not mined so cleanly at present in the opinion of Mr. Longyear. It is expected, however, that later on the quality of production is reduced to the minimum this new coal will have a place distinctly its own in the Norwegian market. Mr. Longyear says that one of the managers of the property claims that it is the best steam coal in the world.

No Black Camp

One of the good features of this mine is the absence of black camp. It is dry for the temperature is so low that during the summer the walls are coated with frost. This makes it possible

to go into the farthest recesses with a naked light. A merry twinkle lights the eyes of Mr. Longyear as he relates some of the interesting features of the mine life in this far northern mining region. He was not a coal expert when he was unexpectedly forced to take up the management of the Spitzbergen coal field but he has learned a lot since 1907. The first shipment of 2000 tons was sent out in that year.

The island has no means of communicating with the rest of the world for nine months except through the wireless station established by the Norwegian government. It is in touch with Hammerfest.

The bookkeeper in the employ of the company at the mine is an old-time telegraph operator. He told Mr. Longyear when asked to take over the small wireless plant at the mine, that he had never expected "to pound brass" any. He goes to his instrument at 5 o'clock every day and calls the government operator. If there is any news it is then transmitted to him and in turn he sends out what messages he wishes.

Has Wireless Service.

The wireless is of great benefit to the company. It enables them to know when their ships leave port for the island and to send out reports of conditions there or request for material to be sent by the returning vessel. The last word received from the mine by Mr. Longyear in this country came in this way.

The boat on the last trip to the island carries the provisions and various other items to be used for the nine months intervening before the next ship comes in. Mr. Longyear says that the stores on the minas property carry an astonishing amount of stuff—everything except "coal, air and water." Included in the last cargo are 100 carcasses of beef, 100 tons of potatoes and so on.

The labor problem has invaded even this remote and barren region although Mr. Longyear says that some of the persons on his property are commencing their eighth consecutive year there. The laborers are Scandinavian. The staff is made up mostly of Americans with some English.

Sometimes there are as many as 400 men employed at the mine but this winter there are about 250. The foreman is held responsible for his own group of men, the hiring being left entirely in his hands. The manner of selection, according to Mr. Longyear, improves the force.

There is a complete change of laborers in the fall and spring. After remaining for a long period on the island most of them desire to return home if only for a short time before going back again.

The pay given to the laborers is higher than they receive at home. The common laborer is paid 5 kroner a day or about \$1.37 and the miner receives 6 kroner, or about \$1.65.

There is not much activity on the island outside of the development under the American company's director. An English firm is engaged in quarrying marble of which there is a fine vein four miles to the east of the mine.

Tourist ships run up to the edge of the ice pack during the open season. The sulf stream touches the island on the west coast and Mr. Longyear says it seems to push back the ice flow from this side. One of the amusing features of the pack is disclosed by Mr. Longyear in respect to the expedition of explorers that have made Spitzbergen their starting point for the pole for some time. The pack drifts south rapidly as these expeditions can make their way north.

Many expeditions also visit West Spitzbergen and the camp of the coal company. Mr. Longyear says that the inadequate preparations made by these parties that are obliged in many instances to call on tourist summerers for food enough to keep them until they can get back to their starting point. Some of them, according to Mr. Longyear, do not have provisions enough with them to last until they get to the edge of the pack even every year, he says, his camp is obliged to give food and shelter to members of expeditions that are unable to sustain themselves.

Making Sure.

A woman entered a dentist's office to have a tooth extracted, and after talking it over with the dentist agreed to take it. "You will be unconscious for only a few minutes," she was reassured. The woman took her pocketbook out and began to count her money.

"Never mind that now," said the dentist. "You do not have to pay until I've finished."

"I wasn't going to pay you," explained the woman. "I was going to count my money."

HAD INDIGESTION.

Almost Despaired of Ever Getting Well.

When your food has not been properly digested, your body has not received the benefit it should. The exertions of the gastric juice have been confined entirely to removing the unassimilated, undigested portions of food, which they cannot properly digest as speedily as possible from the body, therefore only giving the blood a small percentage of nourishment with which to feed the tissues. No wonder then that indigestion and dyspepsia attack the stomach. No medicine can surpass Burdock Blood Bitters as a cure for this particular disease. It regulates the bowels, promotes perfect digestion, makes pure blood, tones the stomach, and thus restores perfect health to the debilitated system.

Mrs. Mary MacKay, Hunter's Mountain, N.B., writes: "I was troubled with indigestion for more than ten years. I tried several Doctor's medicines claiming the power to cure, but with no success. Having heard of the many cures effected by Burdock Blood Bitters, I decided to give it a trial. After taking two bottles I was completely cured. My appetite which was very poor, is now good, and I can eat most everything without any disagreeable feelings. I can strongly recommend B.B.B. to anyone suffering from indigestion."

FLAG DEDICATED AT WANAMAKER INDIAN MEMORIAL.



CHIEF TWO MOONS KISSING THE FLAG. COPYRIGHT BY TUPPIN WANAMAKER.

The flag which was hoisted at Fort Wadsworth, N. Y., on Washington's birthday when President Taft broke ground for the Hodgins Wanamaker memorial to the Red Man was hoisted again there December 13. Between the two dates the flag was carried twenty-six thousand miles. It was hoisted by very many Indian lips and will find a resting place among the chiefs who took part. Mr. Wanamaker decided that every tribe should be told of the memorial to be erected and should take their part in ceremonies in honor of its dedication.

The ceremony marked the completion of a journey begun in June. On the suggestion of Hodgins Wanamaker, Dr. Joseph Kosuth Dixon undertook to call at every Indian reservation in the country. He took with him the flag which was raised on Washington's birthday and a message of hope and inspiration. Touched by the declaration signed at the ceremony in February by thirty-two chiefs who took part, Mr. Wanamaker decided that every tribe should be told of the memorial to be erected and should take their part in ceremonies in honor of its dedication.

Some work in the neighborhood. A stick pin and tie are missing. Mr. Taylor, with the assistance of James Kane, put the men to flight.

School Bonds.

In spite of the scarcity of money and prevailing low prices of bonds the Board of School Trustees have been successful in floating an issue of four and a half per cent bonds at 95.51. This is regarded as a remarkably fine showing and compares most favorably with the flotation of any issue reported within the last few months. It is a substantial tribute to the credit of the city and the reputation it bears in the financial world.

The issue is \$10,000 debentures, bearing 4 1/2 per cent interest, due January 2, 1928.

Civic Pay Day.

Cashier Willet yesterday paid out to workmen employed by the city \$4,124.12 in wages for the past two weeks as follows:

Police Works \$ 191.32
Public Works 2,035.98
Police Court 1,956.12

At yesterday morning's session of the police court there was a case of wife-beating heard against Joseph Robichaud. The evidence showed the usual story of a nuptial knot unwisely tied. May Robichaud, the wife, 19 years old, says that on Thursday, 11th of December, her husband dragged her home and struck her over the head with a stick. She says that on previous occasions he had kicked her. Her husband's evidence tended to show there was a man in the case. Other cases were also dealt with.

A Daring Robbery.

A daring break into the Duck Cove summer cottage of Mrs. W. R. Avery, of Garden street, was followed Thursday by the arrival of her son, Gordon Taylor, who was charged with the theft of a watch. The evidence showed the usual story of a nuptial knot unwisely tied. May Robichaud, the wife, 19 years old, says that on Thursday, 11th of December, her husband dragged her home and struck her over the head with a stick. She says that on previous occasions he had kicked her. Her husband's evidence tended to show there was a man in the case. Other cases were also dealt with.

MAILED CONTRACT.

SEALED TENDERS, addressed to the Postmaster General, will be received at Ottawa until noon, on Friday, the 30th January, 1914, for the conveyance of His Majesty's Mails, on a proposed contract for four years, three times per week each way, between Cambridge and Lake View from the first April next.

Printed notices containing further information may be seen and blank forms of tender may be obtained at the Post Office of Cambridge and Lake View and at the office of the Post Office Inspector.

A. R. COLTER, P. O. Supt. Post Office Inspector's Office, St. John, N. B., Dec. 1st, 1913. 52A-2550-26-9-12.

PUBLIC NOTICE.

THE UNDERSIGNED, having been appointed by the Common Council of the City of Saint John a committee of the said Council for conducting the sale of the Fisheries for the ensuing year, pursuant to law, hereby give notice that certain Fishery Lots along the east side of the Bay, River and Harbor, heretofore owned and possessed by the inhabitants of the East side of the Harbor, with those in and surrounding Navy Island, and also certain Fishery Lots on the Western side of the Harbor, will be sold at Public Auction on TUESDAY, the SIXTH DAY OF JANUARY NEXT, at 10 o'clock in the forenoon, at the Court House, in the City of Saint John, for the fishing season of the ensuing year, to end on the 15th day of December, 1915.

Dated the 18th day of December, 1913.

JAMES H. FRINK, HARRY C. McLELLAN, RUPERT W. WIGMORE, NILES E. AGAR.



FLAG RAISING AT WEST WADSWORTH AT END OF JOURNEY. COPYRIGHT BY TUPPIN WANAMAKER.

The Limit. "Mrs. Garber fell downstairs and bit her tongue in two." "I feel sorry for her husband. She was a terror when she had only one tongue."

SALESMEN WANTED.

SALESMAN WANTED—Experience unnecessary, easy work, big pay, write for large list of openings offering opportunities to earn \$100 to \$500 a month while you learn, position assured. Address Dept. 533 National Salesmen's Training Association, Chicago, New York, Kansas City, San Francisco.

TO LET.

ROOMS TO LET—Nice pleasant rooms, newly furnished, heated, and electric light. Gentleman preferred. 168 King Street East. Can be seen forenoon or evening.

TO LET—Shed at Indianola for storage of lumber. Apply to William E. Golding, Royal Bank Building, city.

OFFICE TO LET—Nice large office in the Dearborn Building, 93 Prince William St.

LOST.

LOST—Lady's gold watch, closed case—between Leinster Hall and Opera House via Leinster and Sydney streets—Finder please leave at box office, Opera House.

PIANOS TUNED.

PIANO AND ORGAN TUNING and repairing: out of town orders promptly attended to. Try a bottle of my piano polish. K. McKinnon, 206 Paradise Row.

PERSONAL.

CUT THIS OUT FOR LUCK—SEND high date and for wonderful help and scope of your entire life. Prof. Raphael, 499 Lexington Ave., New York.

SITUATIONS VACANT.

LEARN BARBER TRADE—Few weeks required; tools free; positions secured; Modern System; twenty-two years established; modern method of teaching; write for particulars—MOLAR BARBER COLLEGE, 62F. St. Lawrence Blvd., Montreal.

AGENTS WANTED—Agents \$3 a day selling Mendota, which sends Granular, Hot Water Bags, Rubber Boots, Reservoirs, Solders, Metal Tubs and Tinware without cement or solder. Sample ten cents. Collectors M.T.G. Company, Collingwood, Ontario.

TENDER FOR GOAL SUPPLIES.

TENDERS WILL BE RECEIVED at the Sheriff's Office, Court House, in the City of Saint John up to twelve o'clock noon the 26th day of December inst., for supplying the goal with the following articles for the year commencing the 1st day of January A. D. 1914:

Good Molasses, per gallon.
" Rice, per pound.
" Barley, per pound.
" Tea, per pound.
" Yellow Soap, per pound.
" Brooms, per dozen.
" Soap, free from bone, per pound.
" Roast Beef, free from bone, per pound.
" Corn Beef, free from bone, per pound.
" Bakers' Flour, per barrel, suitable for making the best of bread, bakers to give number of two pound loaves of bread furnished to each barrel of flour supplied.

All supplies delivered at the Goal to be subject from time to time to the approval of the Sheriff. The lowest tender not necessarily accepted. Dated the 19th day of December A. D. 1913. S. S. deFOREST, Sheriff.

"CHRISTMAS"

A complete assortment of Watches, Clocks and Jewelry suitable for XMAS GIFTS. ERNEST LAW, Issuer of Marriage Licenses. 3 Coburg St.

DR STEWART'S Guaranteed Veterinary Remedies

SURPRISE SOAP.
A PURE HARD SOAP.
Makes Child's Play of Wash Day!

Classified Advertising
One cent per word each insertion. Discount of 33-1-3 per cent on advertisements running one week or longer if paid in advance. :: Minimum charge 25 cents.

WANTED.
TIMBER WANTED
Wanted a quantity of ten inch and seven inch timber for Little Dipper Harbor Breakwater. Apply Frederick Thompson, Chance Harbor.
WANTED—Female teacher for school district No. 4, Parish of Lepreau. Apply, stating salary, to Raymond & Doherty Co., Ltd., New River Station, Charlotte county, N. B.
MONOLINE OPERATOR WANTED—Man who can keep two machines in order, operating one himself. Good wages and steady job to right man. Write stating particulars. The Maritime Publishing Co. Ltd., Sussex, N. B.

AGENTS—Salary and commission. to sell Red Tag Stock. Complete exclusive lines. Specially hard. Grown only by us—sold only by our agents. Elegant free samples. Write now to Dominion Nurseries, Montreal.
WANTED—At once, first class machinist to be first repair man in factory, situated in town of about 5,000. Must be first class on steam and belt pumps, piping and all classes of heavy factory machinery. Steady employment, good salary. Splendid place to bring up a family. Good moral surroundings, good schools. Positively no "boosers" need apply. References required. Address A. B. C. Standard office.
WANTED—Advertising representative in St. John for a well established and high grade magazine. Commission basis. Only those with good records and good connections need apply. State experience, local standing, etc., to 411 Coristine Building, Montreal.

WANTED—By district No. 5, Parish of Kana, a second class teacher for term beginning January 1914. Apply, stating salary, to Alvin Morrell, Hatfield's Point, A. B. and L. Kings county, N. B.
WANTED—Two first class harness makers. Apply Edward Hogan, 47 Waterloo street.
BRAKEMEN, FIREMEN, railroads entering St. John; wages \$100; experience unnecessary. Send age, stamp—Railway Association, Dept. 1172, Brooklyn, N. Y.

MALE HELP WANTED.
ONE MAN WANTED in every city, town and village who is willing to show a few hours for \$15 weekly showing samples to his friends. Cut-rate groceries, Redpath's best granulated sugar 4 cents per pound; 8 bars Sunlight, Surprise or Comfort Soap for 25 cents; everything at factory prices. Outfit free.

FOR SALE.
SEWING MACHINE NEEDLES All kinds, half dozen 17C by mail; New Home machines twenty per cent discount during the holidays; Wilcox & Gibbs machine \$15; W. & W. manufacturing machine \$10; White machine \$7; Domestic and all machines repaired—William Crawford, 105 Princess street, St. John, N. B.

FOR SALE OR TO RENT—At Woodville, one of finest residential properties in New Brunswick; large house, beautifully finished and with modern conveniences; spacious grounds, central location, in perfect repair; also commodious two-story warehouse adjoining main line C.P.R. with additional storage accommodation on grounds surrounding the building. Properties sold separately or together. In event of sale one-half purchase price may remain on mortgage. Apply to Mrs. J. W. Dalling, Woodstock.

FOR SALE—Fifty ash sleighs for sale at Edgcomb's. Send for prices and catalogue. Edgcomb's, 115 City Road.

FOR SALE.
Two splendid West Side properties at moderate prices. For application to Messrs. Fairweather and Porter, No. 67 Prince William street.

HAMS, Bacon, Sausage and Mince Meat, also buyers of Pork, Poultry, Eggs and Butter. John Hopkins, St. John, N. B.
HORSES AND BOB SLEDS FOR SALE—A team of heavy horses, great workers, a set of bob sleds and double harness. Apply to John O'Hagan, 1 Mill street.

FOR SALE—Tugboat, 65 ft. over all, 14 ft. 2 in. beam, 8 ft. deep, fully equipped with winches, 10 and 20 compound engines, surface condenser and pumps. All connections and pipes brass and copper. Address T. N. McGrath, Tuxton, N. B.

Musical Instruments Repaired
VIOLINS, MANDOLINS and all stringed instruments and Bows repaired. SYDNEY GIBBS, 81 Sydney street.

WINE AND LIQUORS.
RICHARD SULLIVAN & CO. Established 1878. Wholesale Wine and Spirit Merchants. Agents for MACKIE'S WHITE HORSE CELLAR SCOTCH WHISKY. LAWSON'S LIQUEUR SCOTCH WHISKY. SIMPSON'S HOUSE OF LORDS SCOTCH WHISKY. KING GEORGE IV. SCOTCH WHISKY. AUK'S HEAD BASS ALE. PABST MILWAUKEE LAGER BEER. GEO. SAYER COGNAC BRANDIES. Bonded Stores, 44-46 Dock Street, Phone 539.

WINE AND LIQUORS.
WHOLESALE LIQUORS. William L. Williams, successors to M. A. Finn, Wholesale and Retail Wine and Spirit Merchant, 110 and 112 Prince William street. Established 1870. Write for family price list.

JAMES M. RYAN CARPENTER AND BUILDER. Refrigerator Building a Specialty. 98 BRUSSELS STREET. Phone M-2514.

THE UNION FOUNDRY & MACHINE WORKS, LTD. ENGINEERS AND MACHINISTS. Iron and Brass Castings. WEST ST. JOHN. Phone West 15.

ENGINEERING Electric Motor and Generator Repairs, including rewinding. We try to keep your plant running while making repairs. E. S. STEPHENSON & CO. Nelson street. St. John, N. B.

J. FRED WILLIAMSON MACHINIST AND ENGINEER. Steamboat, Mill and General Repair Work. INDIANTOWN, ST. JOHN, N. B. Phones, M-229; residence M-1724-11.

ENGRAVERS F. C. WESLEY & CO. Artists, Engravers and Electrotypers, 59 Water street, St. John, N. B. Telephone 982.