

OUR IRON ORE DEPOSITS

Six Known Belts in British North America Should Make Canada Large Steel Producer.

BRITISH COLUMBIA DEPOSITS

Something About a Great Mountain of Rich Iron Ore Not Far From Crow's Nest Pass.

British North America would seem to be well fitted to occupy a leading place in the world as a producer of iron and steel. Readers of The World already know of the extensive deposits found in the far East and in New Ontario. It is not so generally known that far Western Canada also possesses great deposits of iron ore.

This country's great iron deposits so far as discovered are:

1. The mines of the Dominion Iron and Steel Company in Newfoundland.
2. The mines of the Nova Scotia Steel Company in Newfoundland.
3. The Clergue (or Helein) mine on the northeast shore of Lake Superior.
4. The Mattawan and Alton-Okang ranges on the Canadian Northern Railway west of Port Arthur, Ont.
5. The Kitchener iron deposit in East Kootenay, B.C., 120 miles west of the Crow's Nest Pass coal mines.
6. The iron deposits on the east coast of Vancouver Island.

Before the Canadian Mining Institute, W. Blakemore, M.E., submitted some interesting data regarding the fifth, or Kitchener, deposits above named. The following extracts are made from Mr. Blakemore's statement:

"These deposits consist of a series of parallel veins of hematite iron ore extending continuously for a distance of ten miles, the full length of a solitary mountain known as the Iron Ridge, and situated at its nearest point, a distance of three miles west of Kitchener station on the Crow's Nest Pass railway. Kitchener is twenty miles east of Kootenay Lake, seventy miles east of Nelson, which is the center of the smelting industry of West Kootenay, and 120 miles west of the extensive coal fields of the Crow's Nest Pass Coal Company at Fernie. The mountain is peculiar in formation, being entirely separate from the Iron Ridge in the district, and presenting the appearance of an inverted cone. It starts from the level of the railway and Goat River 2400 feet above sea level, rises gradually to an altitude of nearly 4000 feet in a distance of ten miles, continues with slight variations at this level for six miles and then dips down again at the extreme north end at about the same angle as at the south. The main direction of the mountain is 20 deg. W. of N. and upon the east side Goat River flows parallel to it. At its base on the west side is a large creek known as Arrow Creek and around the north end is a pass connecting the two. The original name for the Crow's Nest line was around this pass, and it was only abandoned because it involved the name of a mountain. The possibility of constructing a railway of easy grade all around the mountain was demonstrated by the survey referred to. The character of the ore is chiefly hematite, and upon a few claims this has been found to be slightly magnetic, but over the bulk of the property it is pure hematite.

"The occurrence of a large body of quartzite approximately 500 feet in width, running longitudinally with the mountain, and along the eastern side co-extensive with the quartzite is a greenstone dyke of gabbro-diorite. The property consists of the present 50 claims, each 1000 feet square, upon which the ore has been located, an area which embraces practically the whole summit of the mountain. The property has been held for some years as a copper proposition, and probably from \$10,000 to \$12,000 was expended in prospecting for that mineral. In the spring of 1901, however, the iron ore was discovered, and for the first time the holders began to realize that it might possess an economic value. It came under my control last May, and from that time until Nov. 1 I expended about \$30,000 in prospecting and proving the property, the result being that the capitalists whom I represented have purchased twenty claims, and hold an option on the remainder. Our season's work has proved that the ore is of the highest quality, that there is sufficient to constitute an important property and that the surrounding conditions are favorable to development. There still remains to prove the actual extent of the ore, as development work would not justify a calculation of tonnage at present, but everything points to an enormous deposit.

"With reference to the quality, this is so surprising that I have some difficulty in placing the figures before you, but still they speak for themselves, and are the result of assays made by five or six independent authorities, including McGill University, Mr. Milton Henry of Chicago, and Mr. Robert W. Hunt of Chicago; they have also been verified by practical tests made at the works of the Dominion Iron and Steel Company, and as they are the result of bulk assays and not selected samples, it is believed that the ore is one of the purest and highest grade of hematite ore to be found anywhere. More than 100 assays were made; of these 60 were taken from the vein, and the remaining 40 were taken from the surface. The average of 60 per cent. of metallic iron, 5 per cent. silica, 0.10 sulphur and 0.03 phosphorus.

"The question of interest in connection with this matter is the future of the property and its value to British Columbia. Of this it may safely be said that sufficient iron has already

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been discovered to determine the existence of a first-class fluxing proposition, and even for this purpose the property will in the future be valuable. But unless all expectations are based on the future, a property which when thoroughly proved will be shown to contain such an extensive body of hematite ore of the highest quality that it will be possible within the province is ripe to establish a large iron and steel making industry in the West which will compare not unfavorably with that of the East. All the local conditions for cheap manufacture are favorable. The ore can be mined and shipped for \$2 a ton. There is a abundant limestone in the neighborhood upon the west side of Kootenay Lake, which can be delivered to a smelter at 50c a ton. The high grade coal and coke of the Crow's Nest Pass are 120 miles away, and can be brought to Kitchener at a cost of 10c for coal and \$5 for coke. Allowing for the higher rate of wages prevailing in the West pig iron can be made on this property at a cost not exceeding \$10 a ton, and this iron can be delivered about a cost of \$13 to \$15 at the coast. At the present time pig iron delivered at the coast is selling at \$22 a ton, and even admitting that prices are above the normal, there would still be a large margin in favor of the local product."

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Mothers truly interested in the nourishment and growth of their children speak with great delight about Malt Breakfast Food and its health-giving properties for young children. Malt Breakfast Food is a perfect morning and evening food for growing children. It truly nourishes the body and keeps the bowels in perfect condition. Owing to its predilection for children, Malt Breakfast Food is at all times quiet and soothing to the stomach when irritated or inflamed; it is quickly absorbed by the system and keeps the blood cool and pure. If you would keep your growing children in robust health, give them Malt Breakfast Food morning and night. No other food is more economical, and no other can keep them so well and vigorous. Your Grocer will strongly recommend Malt Breakfast Food.

METRIC SYSTEM IMPERATIVE.

Chamber of Commerce of United Kingdom Waking Up to Fact.

Secretary Russell of the Canadian Manufacturers' Association yesterday received a letter from the Decimal Association of London, Eng., calling attention to a meeting of the Association of the Chambers of Commerce of the United Kingdom, held on the 6th inst., at which a resolution was carried, "That, in the interests of British trade, the compulsory use of the metric system of weights and measures has become imperative." The writer expressed the hope that this strong opinion on behalf of the leading commercial men of Great Britain will prove of assistance in awakening interest in the subject in this country.

A Large Cattle Shipment.

A train load of calves were shipped yesterday from Peterboro for the Canada and Dakota Cattle Company. This is the first shipment made by this company from Canada, and it is intended to send another shipment later on, and ultimately provide the farmers of Ontario with a market for their calves each year. William Henry of Scarborough went in charge of the cattle.

TO CURE A COLD IN ONE DAY.

The famous Brown Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature is on each box. 25 cents.

Blackmail Killed.

Beatrice, Neb., March 17.—William Smith, 29 years old, who was shot by a blackmailer, a merchant of the town of Beatrice, was shot and killed last night by one of a party of four men sent to entrap him. He wrote an anonymous letter to a woman, who, when he went to see her, and resisting capture, was killed.

CITY WILL TAKE IT OVER

Lessee of the Cattle Market Privilege Will Be Given Notice to Vacate.

CHOPPING AT THE ESTIMATES

Board of Control Spends a Busy Day With the Figures of Two Departments.

The Civic Property Committee yesterday afternoon endorsed the idea expressed at the last Council meeting by Ald. Oliver, and will recommend to the Council that the lessee of the privileges for fees and sale of feed at the Cattle Market be given notice that his lease will terminate 30 days after April 1. Ald. Ward's motion to the effect that the lessee of the privileges be given notice to vacate the premises was opposed by Ald. Lamb, Burns and Richardson, who thought the matter had not been properly considered.

The City Commissioner forwarded his plan for the arrangement of the Cattle Market weigh scales and shipping platform on a portion of the newly-acquired Cattle Market property on Walnut avenue. He provides for a 45 yard shipping platform 300 feet long, main sewer, main water pipe, weigh scales, etc., at a total cost of \$10,000. A special meeting of the Island Council will be held this afternoon to discuss the plan.

Where is Mrs. Lambert?

Mrs. Elizabeth McGregor of 104 B. St., Aberdeen, Wash., has written City Clerk Littlejohn, asking him to locate her sister, Mrs. William Lambert, who she thinks is in Toronto. Mrs. Lambert at one time lived in Mount Forest.

TO INCITE AN INSURRECTION.

Letters Sent to Boer Agents in Holland and Ireland.

Amsterdam, March 17.—Communications have been received by the Boer agents here from Irishmen, whose names are not revealed, asking for the co-operation of the Boers in an attempt to incite insurrection in Ireland. Dr. Leyds, the representative of the Transvaal, states that the recent trials of the so-called Boer rebels in Natal were farcical.

Men were convicted without proof, and heavy fines were imposed in order to ruin the defendants and compel them to part with their farms, and thus give up the country to British colonists.

According to Dr. Leyds, many farms, the property of the old Dutch farmers, have been confiscated in this way.

City Commissioner Coatsworth asked for further interim appropriations, as follows: Public buildings, \$1000; public works, \$500; Cattle Market, \$3000; City Hall, \$2000. The application was endorsed.

Cutting the Estimates.

For five hours yesterday the Board of Control considered the estimates and will continue at 11 o'clock today. Although this is only a preliminary inspection, the controllers went very thoroughly into each item, and the Board's general estimates \$12,740 was cut away, and a number of items are left awaiting details from officials of the department. From the waterworks estimates \$8200 was clipped, but the estimates for maintenance have not yet been disposed of.

When the Proceedings Opened.

Crane took exception to an item for \$10,000 for flushing sewers. He said the charge of 50 cents a thousand gallons against the city for water taken from hydrants was ten times what was charged to manufacturers, but Ald. London pointed out that the water supplied to each hydrant was formerly charged at \$20, and now it is only \$10. Crane offered to make the deficit. Ald. Crane offered to make the deficit. Ald. Crane offered to make the deficit.

Salary Increases.

The salary increases for the Engineer's department were not allowed, but will be considered later. It is likely that all the requests for salary increases will be considered together when the board makes its second trip through the estimates. There was a hint that there were too many clerks in the employ of the city.

Make a Test Case.

An item of \$3500 for the protection of level crossings was opposed by the Mayor. The railways have been asked to pay the cost of the protection. The item was \$15,000 for the protection of level crossings. The item was \$15,000 for the protection of level crossings.

Those Expensive Stables.

An item that caused considerable discussion was \$2000 extra for the new East End stables, which were to be built for \$6000, but have cost as much. The Street Commissioner, under railway supervision the building was erected, will be asked to pay the detailed report.

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There's Nothing So Bad for a Cough as Coughing

The poorest doctor in town will tell you that. The best one will tell you he prescribes Ayer's Cherry Pectoral for all throat and lung troubles. We send doctors the formula for this medicine. They know it's a splendid prescription for colds, bronchitis, hoarseness, and even for consumption itself.

"I coughed terribly after having a hard attack of la grippe. If it had not been for Ayer's Cherry Pectoral I do not believe I could possibly have pulled through."

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The Welsbach Light Bargain Sale

Having recently come into possession of a large number of superior manufacture incandescent burners at job prices, we have decided to give the citizens of Toronto the benefit of same at the following exceptionally low rates:

50c per Light, Complete, Over the Counter

60c per Light, Complete, Put Up

Same style as shown in cut, and fitted with extra quality Mantles. Not less than two lights sold to any purchaser. In order to reduce our stock of Fancy Globes prior to stock-taking, we have marked down a large number to about cost price during the clearance, which will continue this week only.

We have been appointed Canadian agents for the wonderful LUMO ARC LAMP, especially adapted for lighting stores, halls, factories, churches, and wherever a powerful means of illumination is needed. These lamps give 600 candle power at the exceedingly small cost of less than TWO cents per hour. Call and see them.

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MUST NOT MAKE ATOMIZERS.

Vapo Cresoleine Company's Application in Court Successful.

Before Mr. Justice Street, in the non-jury Assize Court yesterday, the Vapo Cresoleine Co. sued for an injunction to prevent Messrs. Jones & Co. from using and selling a patent carbon atomizer.

The action of Thomas J. Best to recover the balance of the purchase money of the "Eaton" Hotel, 70 Yonge-street, sold to Alex. Gibb in February, 1900, was before the court at adjournment.

Peremptory list for to-day at 10 a.m. is: Moran v. Gibb, Gibb v. Lumsden, Toronto Puncture Co. v. Public School Board, Beemer v. Michelson Central, Burritt v. Langstaff, Davis v. Pickering.

When washing greasy dishes or pots and pans, Lever's Dry Soap (a powder) will remove the grease with the greatest ease.

Art Exhibition This Week.

The exhibition of Scotch and Dutch pictures has been well attended and has attracted many lovers of art.

It has attracted many lovers of art from outside towns and cities, and will continue this week, each day and evening, from 10 a.m. to 10 p.m.

Hotel Changes Hands.

A meeting of the Board of License Commissioners will be held on Friday, March 28, at 12 noon, to consider the application of John A. Devaney to transfer his hotel license at 531 West Queen-street to James Goodwin.

Niagara River Line.

One of the most persuasive arguments received this year is from the passenger department of the Niagara River Line. It is a little work intended for Sunday school superintendents, society secretaries and others who contemplate arranging excursions during the coming summer. This work describes the many pretty and attractive points reached by the Niagara River Line steamers and their connections. It is profusely illustrated, and reflects much credit on the General manager, Mr. John Poy.

Sale of Worested.

The 40 pieces of Blue and Black Clay Tiled Worested, advertised by Suckling & Co. for Wednesday next will be sold at 11 o'clock a.m. on that day. They are now open for inspection at their warehouses. The Worested will be offered at 2 o'clock p.m. same day, and if not sold in one lot will be sold in 8 lots immediately afterwards.

Indignation at Colborne.

Colborne, March 17.—The fact that Henry L. Merrick, the ex-Advocate minister, was enabled to leave this district after the shooting of Casper Wilbert on Friday has caused a lot of indignation. Wilbert himself, whose wound in the thigh is slight, is not particularly anxious for the prosecution of his alleged assailant.

Cunard S.S. Co.

The Cunard S.S. Company advises A. F. Webster, its agent here, that the large new steamer Saxonia (14,200 tons) will sail from Liverpool on April 5, and from New York, April 19, in place of the SS. Etna. The latter will resume again in May.

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WILL STAY TO THE FINISH.

New Zealand Will Continue to Send War Contingents.

W. B. Sisam of New Zealand is in this city at the Palmer. Mr. Sisam is making a tour thru Canada. He states that the feeling of patriotism is running very high in New Zealand. It was no surprise to him to learn by the morning papers yesterday that the government were sending out another contingent from that country to South Africa. He was sure they would continue to send men to fight for Britain's cause until the war was completely over.

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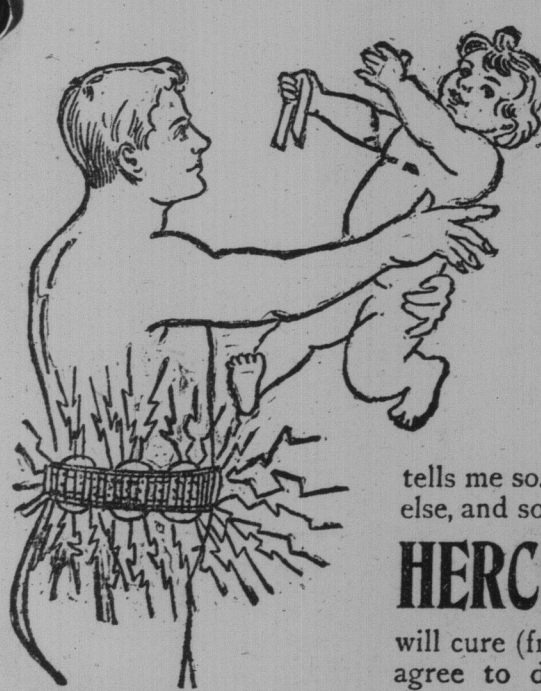
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any place in the world, on 60 days' absolute free trial without one cent in advance or on deposit. If you live near-by, call at my office. Otherwise drop me a postal card or letter, giving a few important symptoms, that I may know what attachments to use. I will then arrange to deliver my appliance to you free of charge. In sixty days if cured, pay me; if not return the Belt, that is all. Besides directions for using, I mail (upon request), in plain sealed envelope, for leisure reading two free books. One "Health in Nature" treats of disease in general, (both sexes), its origin and treatment by my Electric Belt. The other "Strength" is for weak men only. Proper symptom blanks are also furnished free for those wishing my diagnosis and opinion. No charge for advice at office or by mail.

There are many electric belts, some poor, some worthless. There is but one best, and that is the 1902 Model Dr. Sanden Herculex Electric Appliance. What proof? Between man and man let me say that if upon any scientific test you do not agree that my Belt is superior to all others in curative power and construction, even to the smallest detail, I stand ready to make good to you in any way you demand. I will place \$5,000.00 in bank subject to order on these conditions. It sends just the right current, in a smooth, soothing stream through the weakened parts. Worn nights while you sleep. Besides the electric suspensory, I have other attachments for rheumatism, female disorders, etc. Remember absolute free trial. Write or call.

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SATURDAY EVENINGS UNTIL 9.