

Hotel Belleclaire

Broadway at 77th Street
(Subway 79th Street)
NEW YORK

Away from the noise and dust of lower Broadway; rooms overlooking the Hudson River and Central Park; ten minutes from amusement section of Times Square.

PRICES PER DAY:

1 person, \$2.00, with private bath
2 persons, \$3.00, with private bath
2 to 4 persons (2 rooms connecting), with private bath, \$5.00

Write for Moses King's Illustrated Book of New York
ROBERT D. BLACKMAN

USE THE TELEPHONE

This is the kind of weather when the telephone is invaluable. It is of utmost service at all times, but when you do not want to go out, you can reach anywhere with the aid of the instrument on the wall.

Your telephone can be used to talk to Vancouver Island, to Kootenay towns, or down the coast. There is no such a thing as distance with the long distance telephone.

BRITISH COLUMBIA TELEPHONE COMPANY



SYNOPSIS OF COAL MINING REGULATIONS.

Coal mining rights of the Dominion, in Manitoba, Saskatchewan and Alberta, the Yukon Territory, the North-West Territories and a portion of the Province of British Columbia, may be leased for a term of twenty-one years renewal for a further term of twenty-one years at an annual rental of \$1 an acre. Not more than 2,560 acres will be leased to one applicant.

Application for a lease must be made by the applicant in person to the Agent or Sub-Agent of the district in which the rights applied for are situated.

In surveyed territory the land must be described by sections, or legal sub-divisions of sections, and in unsurveyed territory the tract applied for shall be staked out by the applicant himself.

Each application must be accompanied by a fee of \$5 which will be refunded if the rights applied for are not available, but not otherwise. A royalty shall be paid on the merchantable output of the mine at the rate of five cents per ton.

The person operating the mine shall furnish the Agent with sworn returns accounting for the full quantity of merchantable coal mined and pay the royalty thereon. If the coal mining rights are not being operated, such returns should be furnished at least once a year.

The lease will include the coal mining rights only, rescinded by Chap. 27 of 4-5 George V. assented to 12th June, 1914.

For full information application should be made to the Secretary of the Department of the Interior, Ottawa, or to any Agent or Sub-Agent of Dominion Lands.

W. W. CORY,

Deputy Minister of the Interior.

N.B.—Unauthorized publication of this advertisement will not be paid for.—83575.

ZINC ORES OF THE SLOCAN STAR MINE.

Mr. A. G. Larson, mining engineer, of Vancouver and Spokane, recently made an examination of the Slocan Star mine at Sandon, report of which warrants the company in making extensive development with a view to working the large available tonnage of zinc ores.

Explorations have exposed a large sheer zone vein traversing the property in direction of its greatest length and opened extensively to a depth of over 1,000 feet. This vein is so wide, and the ore occurrences so variable within it, that drifting will not alone serve to explore it. It is therefore very necessary that frequent crosscuts be run at right angles to the vein in exploring the ore deposits known to exist above and in the chance of opening up unsuspected ore bodies. The workings consist of 10 main levels with several intermediates, and aggregate in all over 13,000 feet of drifting and over 4,000 feet of upraising and winzes.

The ore occurs in shoots of variable size and attitude. Past production has been confined to the clean lead or zinc ores and to the extensive bodies of lead-silver concentrating ores, to the exclusion of deposits of concentrating ores of zinc nature and value and which hitherto has been considered worthless. The report of Mr. Larson deals especially with this zinc ore and its possibilities.

The ore can be at present mined for \$1.50 per ton, treated for 40 cents per ton, and marketed for \$1.00 per ton—a total of \$2.90 per ton. The mine is very advantageously developed for cheaply and quickly attacking the extensive zinc concentrating ore deposits which are partially exposed in it. By increased efficiency to the power, milling and transportation, the profits will be materially increased.

It is estimated that by efficient milling and handling, 60% of the values may be saved and marketed. The remaining 40% should be stored and re-treated when its accumulation warrants a further plant installation. The method for further treatment is yet to be fully determined. It would require an assay value of over \$7.00 per ton to pay under the conditions. The assay value found is about \$11.50 per ton on a basis of the average price of silver and lead for the past year, and 5 cent spelter.

There is about 49,000 tons of the zinc concentrating ore developed in the mine and available for extraction, an indicated net value of about \$190,000.

There is an aggregate of about 100,000 tons of the zinc concentrating ore partially blocked out and reasonably expected to develop with further exploration, an indicated net value of \$400,000.

The average assay of the ore was found to be: 3.0 oz. silver, 1.2% lead and 10.0% zinc per ton. The net value may be increased by facilitating the mining by further development and increasing the power plant, by additions to the concentrator, by installing a tramway from the mill to Sandon to insure continuous shipments of ore and concentrates and to reduce expenditure. Mr. Lawson estimates the capital expenditure at \$50,000, as follows: Power plant extension, \$18,000; tramway, \$4,000; mill improvement, about \$10,000; and underground development, \$18,000.

The mine fully warrants the expenditure to insure capacity treatment and efficiency.