

TROUT LAKE DISTRICT.

(From Our Own Correspondent.)

Development work is being steadily prosecuted in this district. Rawhiding has commenced from the Nettie L. property, a considerable quantity of ore already being staked under the ore-shelter at the foot of the hill, about three-quarters of a mile from Ferguson. The contract for moving the ore from the Shelter to Thompson's Landing has been let, and a shipment to a smelting point will be made before the Northeast Arm of Arrow Lake is closed, by ice, to navigation. Stopping and development work are proceeding without interruption and there is every prospect of this property proving very valuable. The rawhidiers have

also begun to move ore from the Silver Cup and Sunshine properties. From the foot of the hill at Eight Mile, the ore is conveyed towards Thompson's Landing for a distance of

eight miles on toboggans, and then transferred to sleighs. Shipments from these properties to a smelting point will also be made before the close of navigation.

Work is proceeding at the Ethel property, close to Trout Lake City, and it is said that the individuals who have a lease of this claim, are meeting with every encouragement in prosecuting their operations. All necessary supplies have been taken up

to the Silver Chief, on Great Northern Mountain, where it is expected work will proceed all winter. It is also

so probable that a force of men will be put to work on the St. Elmo, from which last winter a trial shipment was made with very satisfactory results. Activity is displayed on several properties in the Fish River District, those, amongst other, on which work is proceeding being the Mohawk and the Beatrice. Some 200 or 300 tons of high-grade ore should be shipped from the latter during the winter..

It will be remembered that some time ago the Towser claim, adjoining the Sunshine property, was bonded to some Chicago capitalists for \$36,000, since when development work has been carried on by means of a cross-cut tunnel, the object of which was to cut the vein exposed on the surface at depth of some 150 feet. It is with much satisfaction that we are now able to report the intersection of the vein and solid ore, of a high grade character, some 12 inches in thickness, apart from considerable quantities of concentrating ore.

PUBLICATIONS.

MOLESWORTH'S METRICAL TABLES: Third edition; by Sir Guilford L. Molesworth, K.C.I.E., M.I.C.E., M.I.M.E. Price 80 cents. E. & F. W. Spon, Ltd., London: Spon & Chamberlain, New York.

This useful little "pocket-book" is too well known to require any further recommendation. In this third edition several necessary tables have been added. Since the first edition of Molesworth's Tables appeared the metric system has gained greatly in popularity, and it can only be a question of time before the cumbersome and out-of-date methods of standardizing money, weights and measures in vogue in Great Britain and her colonies will be discontinued in favour of the more scientific and convenient metrical system. Already the British House of Commons has legalized the use of the weights and measures of the metric system, and the Associated Chambers of Commerce in

London have for several years past regularly sent deputations to wait on the First Lord of the Treasury for the purpose of urging the compulsory adoption of the metric system—as adopted by no less than thirty-five countries, representing a population of more than 445,296,000. The metre, as is pointed out in the preface of the work before us, is nominally one one-millionth part of a quadrant of the circumference of the earth from the equator to the pole at sea level, but as the earth is an oblate spheroid, the absolute measurement of this dimension is a matter of dispute and difficulty. The question, however, is one of no practical importance, so long as no alteration is made in the legalized standard. That value was determined by an International Committee to be 443,296 Parisian lines; or 39.3707904 inches, and the gramme=.00220462 lb. avoirdupois; and these equivalents have been universally accepted by scientific writers.

GRADATION FOR MINE MANAGEMENT: Price 1s. 6d; by Myles Brown. Thos. Wall & Sons, Wigan, England. 1899.

The colliery worker in British Columbia, as a general thing, is a man of intelligence and tolerable education. He avails himself of every opportunity to acquire technical knowledge and strives thus to improve his condition. We have many notable instances where effort in this direction have been crowned with well-merited success, and men have risen from being diggers of coal to positions of responsibility and influence, as managers and superintendents. In the preface to the present work, the author tells us that his book is intended for the use of practical coal miners, "who are pressing forward to a 'mark' which may ultimately give them a 'higher calling,'" and he also expresses the hope that it may be found useful to readers who require common practical information on the subject whereon he has written. In attempting to accomplish these aims, Mr. Brown has given us in "Gradation for Mine Management" an excellent little text-book dealing with problems which are constantly met with in colliery work, and also much valuable information, from which everything unessential is eliminated. The book is divided into chapters on: Advanced Arithmetic; Gradients; Practical and Theoretical Mechanics; Boring for Coal and Minerals; Shaft Sinking; Rules, Standards and Definitions; Arrangement and Construction of Surface Plant; and concludes with a general treatise on coal, the mode of its formation and occurrence, classification and systems for testing.

HOW TO RUN ENGINES AND BOILERS; with a new section on Water-Tube Boilers. Price \$1.00. Fourth edition. By Egbert Pomeroy Watson, Spon & Chamberlain, New York. 1899.

Messrs. Spon & Chamberlain are to be congratulated on their "Series of Practical Hand-books," in which the above-named work is included. To the fourth edition of "How to Run Engines and Boilers" twenty-eight pages of valuable information and illustrations have been added, and the subject of water-tube boilers, their management, maintenance and efficiency for marine and land service is therein treated concisely, and, at the same time, thoroughly. The additional information contained in this edition considerably increases the usefulness of the work to mechanical engineers.

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