

been successively manager of the Britannia Smelting Company's works, at Crofton, and of the Alaska Smelting & Refining Company's smelter, at Hadley, Alaska, has been appointed to the management of the smelting works of the Northport Smelting & Refining Company at Northport, Washington. The Northport smelter consists of six furnaces. It is situated 10 miles from the international boundary and 18 miles from Rossland. The plant is actually owned and operated by the Le Roi Mining Company.

**BOUNDARY.**—Although the force at the Mother Lode Mine has been reduced by about 50 men, the output of ore has not fallen off.

A new crusher is to be installed at the B. C. Copper Company's smelter in Greenwood. It will be like the crusher now in use at the Granby mines and will be operated by an electric motor of 100 h.p.

**ATLIN.**—The Otter Hydraulic Gold Mines Company suspended work for the season on October 12th. During the season 2,000 feet of flume and ditching has been made, giving a head of 150 feet. The ditch has a carrying capacity of over 2,500 inches. The dam, six miles from Surprise Lake, is 75 feet long and 12 feet high.

#### YUKON.

**DAWSON.**—The individual claimowners in the Dawson district have asked Commissioner Henderson to make representations to the Minister of the Interior, with a view to securing relief in the matter of water supply. It is stated that the Guggenheims hold possession of all water rights. This acts very detrimentally to private operators of placer ground.

## MINING NEWS OF THE WORLD.

### GREAT BRITAIN.

The text of a Royal warrant, by which the King institutes a new medal to be awarded in recognition of heroic acts performed by miners and others who endanger their own lives in saving or endeavoring to save life from peril in mines or quarries within the Empire, is published in a recent issue of the "London Gazette." The medal will be of two classes, which shall be designated and styled the Edward medal of the first and second class. The first will consist of a circular medal of silver with His Majesty's effigy on the obverse, and on the reverse a design representing the rescue of a miner, with the inscription "For Courage." The second medal will consist of a circular medal of bronze of similar design. The new medals will only be awarded to those who, while rescuing or attempting to rescue others, endanger their own lives, and will be made on the recommendation only of the Home Secretary. When acts of gallantry are performed by one upon whom the decoration has already been conferred, such acts may be recorded by bars attached to the ribbon.

Statistics of British steel output for the first half of 1907, compiled by the *Iron and Steel Trades Journal*, show an advance in both the great categories of steel production. Thus the make-up of open hearth steel has increased from 2,196,853 tons in the first half of 1906 to 2,337,794 tons in the first half of 1907, while the make of Bessemer steel has increased from 919,620 tons to 1,068,972 tons.

Some interesting information is afforded in Part II. of the General Report and Statistics Relating to Mines and Quarries for 1906, a recently issued blue book. Here we find that the total value of minerals raised in the United Kingdom during the year amounted to £105,842,992, a considerable increase over 1905, largely attributable to the increased output and advance of price in coal, whereof no less than 251,067,628 tons, valued at £91,529,266, was produced. The output of iron ore showed an increase ployed under the Quarries' Act at mines and quarries during the year of 909,703 tons, while increases are also reported in the production of copper, lead and tin. The total number of persons employed was 1,004,092. The loss of life from accidents was 1,275.

In a book, about to be published by *The Mining Journal* (London), entitled "A Key to Cornish Mining," the author, Mr. E. W. Meyerstein, postulates: (1) That no mine has ever been worked out; (2) the deepest mine in the country, after 150 years, has only attained a depth of 3,000 feet, and there finds ore far above the average grade of the country; (3) that the majority of mines have only been scatched, and that at shallow depth.

### GERMANY.

A Consular report states that Germany lays claim to the largest labor organization in the world, embracing as it does over four hundred thousand workers, and includes practically every branch of the metal-working industry. Last year this vast union collected funds to the amount of £376,000.

### NORWAY.

The British Consul at Christiania reports that the Sydvaranger Iron Company, which owns large iron areas in South Varanger, are building a railway to the port of Kirkenas, where ore will be loaded into ships' holds. The ore to be exported will be treated by the Gustaf Gronsberg process. The present average metallic content is 37 per cent., but by this process it will be made into briquettes ranging from 66 to 68 per cent. iron. Arrangements are being made for a production of from six to nine hundred tons annually.

### SPAIN.

The directors of the Rio Tinto have issued an interim report upon the company's operations during the current year. This states that the deliveries of pyrites have been rather below the average in the United Kingdom, but that continental consumption has been higher. Notwithstanding the scarcity of water from prolonged drought, the company's output of fine copper will be only from one to two thousand tons short of the 1906 production. The directors have declared a dividend for the half year ending June 30th of 2s. 6d. per share on the 5 per cent. preference shares, and an interim dividend of 47s. 6d. per share, free of income tax, on the ordinary shares, payable Nov. 1st.

### UNITED STATES.

The report of the Alaska-Treadwell Company for the year ending May 31st last shows net earnings of \$625,595 from 702,953 tons milled. The total receipts per ton are given as \$2.2658, while costs are shown as \$1.3759. The average assay value of the ore is \$2.42, and the average saving \$2.15. The mine development included 197 feet of sinking and 9,200 feet of other development work. The estimate of ore reserves aggregates a tonnage of 4,982,883, including broken ore in stopes. The company has two mills, one of 240 stamps and the other of 300 stamps. The loss