

Eldorado and Bonanza Creeks. The ground lying in the famous "white channel," has been partly worked by the placer methods hitherto in vogue in the Klondike, of "wood fire" and "steam thawing" and underground tunneling sometimes at a depth of more than 100 feet. On the 23rd of April of this year, however, the preparatory work of installation of a gravity system having been completed last autumn, actual hydraulic operations were commenced.

At a point some five miles distant, the waters of Bonanza Creek are diverted and conveyed through 4.78 miles of ditch and 1.04 of flume, each capable of carrying 1,000 inches, along the right limit of Bonanza Creek, crossing the numerous tributaries en route and being augmented by their quota of water, until at a point just below the town of Grand Forks they are conveyed to the opposite side of the creek and onto Gold Hill by means of an inverted siphon. Here they are directed through six No. 2 monitors onto a face some 1,000 feet in extent. These monitors are arranged in pairs which each feed a lateral to the main sluiceway. By working these pairs alternately, two-thirds of the face is always exposed to the thawing influence of the sun's rays, while one-third which has already been thawed may be most easily moved by the action of the water. Adopting this system, with the monitors under 146 feet direct pressure from the siphon, as nearly as can be estimated, the duty is four cubic yards to the miner's inch.

BONANZA CREEK GOLD MINING CO., LTD.

(By Emil Weinheim, Manager.)

The Bonanza Creek Gold Mining Company, Ltd., is a Canadian corporation, with its main office at 29 Broadway, New York City, and its mining property and mine office on Adams Hill, Yukon Ty.

Don't Drink Up
All Our Water—
Our Miners Need It.