

SOME HEAVY HAULING

**Forty Horses Pull 26,860 lbs.
Over the Summit.**

Tom McEwen yesterday succeeded in starting one of the huge boilers for the Red Boy on its way to the mine.

This boiler is one of four, each of which weighs 20,800 pounds. They are a part of the deep sinking machinery now being installed there. About two weeks since one of these boilers was loaded on to a wagon and hauled three miles out of town, where the wagon broke down, and it is still on the roadside.

The Transportation company then bought a wagon especially for this contract. It is a massive affair, weighing 6,060 pounds. Its wheels are sawed from a log, weighing 500 pounds each, the rear ones being about four feet in diameter and the front ones something less. They are bound with six-inch tires and at the center are about eighteen inches thick. The tongue averages about 8x12 inches and the breaks are ponderous blocks of wood that would stop a land slide from going down hill.

This heavy load left town with only ten horses attached to the wagon, but to pull it over the summit, forty will be required. The best part of two days will be consumed in reaching the mine.

The work of transferring it from the flat car to the wagon was like moving a brick block.

Public Schools Open Monday.

The Public Schools of Sumpter will open Monday at 9 a. m. All pupils are requested to bring their report cards. An extra room will be rented for the use of the school. An advanced course to be known as the Ninth grade will be organized. Those who completed the Eighth grade last year are invited to join this class.

SCIENTIFIC PIPE DREAM.

Plan to Convert a Low Grade Mine Into a Huge Electrolytic Cell.

Story B. Ladd, of Washington, D. C., a chemist and electrician, has devised a scheme whereby he believes he can render profitable many mines which can not be worked under existing circumstances. These mines are opened with shafts and drifts, as well as stoped areas, but have bodies of unworked ground, either unexplored or of too low grade to stop or mill or smelt. He proposes to convert each of such mines into an immense electrolytic cell. He says:

"If such a mine be converted into a huge electrolytic cell, with anode and cathode districts and lines of electric flow created through the workings and the ore bodies, there will take place a movement of the metal values from the deposits in and about such points, and in this way it may be possible to work certain old mines, particularly where water power is available for electric generation.

Lines of electric flow may be created by placing the anodes in the upper drifts or stopes and the cathodes at the bottom of the shaft and in the lower drifts; or the lines of electric action may extend horizontally along the vein by using one or more shafts for anode chambers and placing the cathodes in other shafts or workings. As the lines of flow between two terminals assume an ovoid form in a homogeneous medium, the electrolytic action will be felt throughout the intervening territory, through the seams and fissures and the water-saturated ground, and not alone through the open workings. The mine water may be slightly acidulated and made a good electrolyte when necessary by distributing tons of acid-

salts or chemicals through the workings prior to flooding the mine.

The feeders or mains leading down to the cathodes will necessarily have to be most carefully insulated, and all structures that would short-circuit the current removed. All operating expenses after installation reduce down to electric generation, the pumping out of the mine at long intervals and the mining of known bodies of high grade ore with the approaches thereto established."

Eighty More Stamps for the District.

Contracts have been let for new mills to be installed this fall, with a total of 80 stamps. The mines whose owners make this convincing show of their confidence in their properties are the King Solomon, 10 stamps; the Columbia, 20 stamps; the North Pole, 10 stamps; (the last named is building a tramway and enlarging the capacity of the cyanide plant), and three others whose names cannot now be made public, but which have contracted for one 20 and two 10-stamp mills. There is strong probability that a 20 and two more 10s will go in before January 1, but the papers are not yet signed. This will increase the capacity of the mills immediately about Sumpter one half. The Golconda mine, as soon as its orders can be filled, will put in a hoist of about equal capacity with that being installed at the Red Boy. The thought of the improvement now going on and in contemplation here, of which only a small part has yet been noted, is particularly gratifying to Sumpterites, as it puts forward for their town's prosperity a cash proof which cannot be gainsaid. Money never talks so loud, nor are its gentle but firm accents ever more welcome than when substantial investments in mining properties tell that the days of speculation and boom are over and that the camp has become a safe field for capital.—From the Baker City Republican, which stole it from some other paper without giving credit.

Rocky Mountain Scenery By Day Light.

Day light stop over at Niagara Falls. Through first-class tourist sleeper from Pacific Coast weekly for Chicago, Boston, New York and other eastern points via Rio Grande Western (Great Salt Lake Route), Denver & Rio Grande, C. R. I. & P. and Illinois Central to Chicago, connecting in the Union Depot with Michigan Central's similar car for points east. For full particulars call on or address, B. H. TRUMBULL, Com'l Agent Ills. Cent. R. R. 142 Third St., Portland, Oregon.

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Announcement

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