

NEVADA STATE MINING NEWS

OPTION TAKEN AT TROUT CREEK

JUNGO, Nev. — It is learned from a reliable source that G. C. Staggs and Clyde Taylor, owners of the spectacular gold discovery near Trout creek in northern Humboldt county, have granted an option of purchase on their property to Carl G. Martin and associates of Minneapolis, Minn. A number of claims have been located in the surrounding area, several of the locators coming from the Scossa and Happy Creek districts, and the opinion prevails that the strike is one of major importance.

The ore is of the bonanza type, carrying visible gold with iron oxide in mixed quartz and porphyry. The vein is covered by about eight feet of overburden and is exposed in only a few places. Staggs and Taylor have been engaged continuously in prospecting during the two years in which they have lived at Jungo and have succeeded in finding other good veins, in addition to the Trout Creek strike. They know their business thoroughly and are quiet and industrious. Taylor is unmarried and Staggs has a wife and two children in Jungo.

High up in the Jackson range of mountains, the Trout Creek property is at an elevation of about 8,000 feet and is 11 miles west of the Fred Hummel ranch. There is an abundance of wood and water and the slope is sufficiently steep to afford a good tunnel site. Owing to the approach of winter it would not be advisable for prospectors to go into the district unless they are adequately prepared for cold and snow. — Western Mineral Survey.

NEW PLANT TO BE INSTALLED

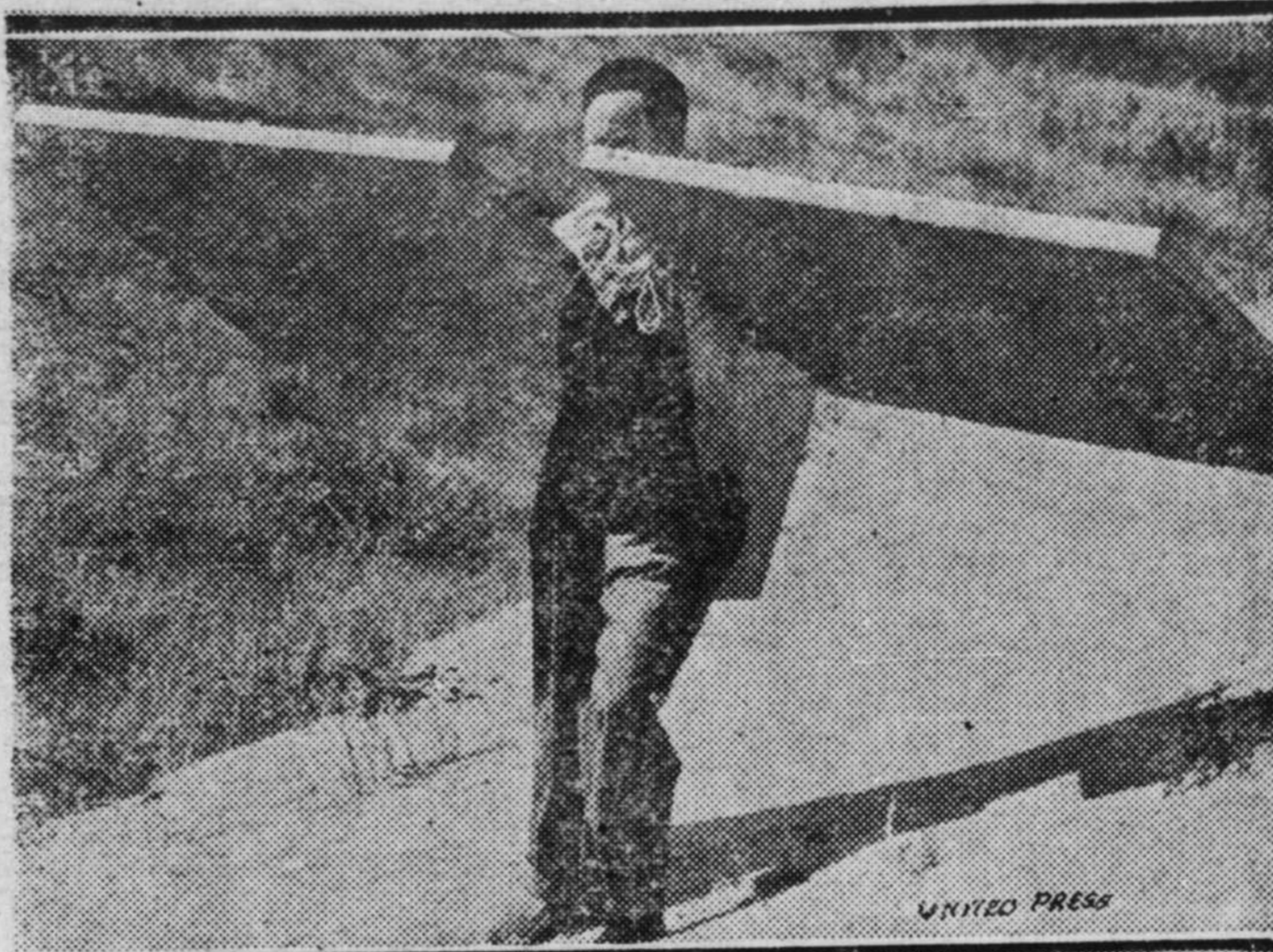
RENO — Construction of substantial mine buildings and installation of some new equipment started last week on the Buck and Charley mine at Lower Rochester, 12 miles from Oreana station on the S. P. railroad, in Pershing county. Heretofore the mine has been worked only for its rich ore and has a rather remarkable record for high grade shipments, the product ranging in value from \$80 to over \$250 per ton, chiefly in gold.

In mining this ore to an extreme vertical depth of about 300 feet, a substantial tonnage of good mill ore has been developed and a recent sampling of exposed ore by Engineer Carl Stoddard gave an average value of around \$20 per ton, the gold-silver ratio showing some variation at different points but generally approximately 10 ounces of silver to the ounce of gold.

Ore is found in a wide zone of highly altered and fractured metamorphic rock, with minor intrusions of rhyolite, the vein's a series of fractures extending out at a flat angle from the hanging wall. At a depth of 300 feet the walls change their dip, the hanging becoming the foot wall. The ore containing some base elements, occurs in a form of shoots and lenses in the branching fissures, three of which are of major importance. The ore is a sulphide, much of the silver in the form of argentite and with ruby silver on lower levels, yielding some fine specimens.

Present development consists of a 100 foot tunnel and incline winze following the main ore shoot to a depth of 180 feet, the ore from five to eight feet in width. Half way

He Floats Through the Air



Joe Fadie, the "bird man" of Rowena, Ore., has built himself a pair of wings and hopes to emulate the man on the flying trapeze. Joe has had some success in gliding with his man-made feathers and has hopes of flying by jumping off high places.

CALIENTE TO GET NEW PLANT NEVADA STATE CO. LETS NEW LEASES AT SEVEN TROUGHS

CALIENTE — H. L. Hazen, manager for the Caliente Cyaniding company, announced last week that his company had let a contract for the immediate construction of a 200 ton capacity all sliming cyanide mill at the town of Delamar, 30 miles west of Caliente. Material for the big mill has already started to arrive at the mill site and it is anticipated that the plant will be in operation by January 1, 1935, provided no unforeseen difficulties arise. D. Ross Frasier will be the new assistant manager of the Caliente Cyaniding company and will aid Manager Hazen in working out the many problems incident to the treatment of the vast tonnage of gold tailings owned by the Caliente Cyaniding company.

Equipment for the new mill, which has already been ordered, includes one 5 by 5 Alis-Chalmers ball mill, one 6 by 20 Dor classifier, two 30-foot Dorr thickeners, three 10x12 Devereaux agitators, one 14x14 Oliver filter, one large type tailing conveyor belt all completely housed and the complete equipment incidental to a modern all sliming cyanide mill. Power will be furnished in addition to the present engines, by a new 250-HP Fairbanks Morse type Y Diesel engine. When complete the plant will steadily employ 14 men,

down, the winze enters the water level and below this point all the ore in a heavy sulphide, with limited oxidation even on upper levels. Below the winze level a 65 foot winze was sunk and a drift at this level is in ore.

A crosscut tunnel has been started from a new point at the elevation of the tunnel, and the old adit will be extended something over 100 feet to meet the new tunnel, from which a winze will be sunk to connect with the lower level, affording an inside 3-compartment shaft. The projected 40-ton flotation mill, first unit of a plant of considerably larger capacity, will be situated below the portal of the new crosscut tunnel and the old drift tunnel will be abandoned as the ore in this section is stoped out. A cyanide unit probably will be provided as an adjunct to the flotation mill.

—Western Mineral Survey.

LOVELOCK — Leasing activities at the Nevada State Gold Mines Company, including the letting of new leases, are a feature at the company's property at Seven Troughs

Roberts & Rogers got off their first carload of ore last week, making shipment to Salt Lake. Plans for the future call for milling in the big plant of the company on the ground.

Charles Headwell trucked over 500 tons of tailings from Wildcat Canyon, above Farrell, representing up to 70% that the Hero mill was able to extract before it was sold.

Among new leases granted are: to E. F. Laughton, 4800 vein in the main tunnel; to Charles Hedwell and Gus Blacklund, 4400-foot point in main tunnel.

Day and night operations continue on dump screenings and Signal Peak ore. The plant is reported as working smoothly and efficiently.

—Denver Mining Record.

and during the construction period some 20 men will be employed, however, sufficient men are now in Delmar to take care of the labor needs of the company. Roy Marcellus, engineers of the Western Machinery company, will have local charge of the erection of the mill and his wide experience in this class of work insures the future success of the plant.

The flow sheet is planned for a 100 mesh product, agitated, thickened, filtered and handled as an all slime cyaniding operation, the tests made under the supervision of Metallurgist H. L. Hazen demonstrating that this treatment will make a most satisfactory saving of the gold and silver values in the large dumps, estimated to contain over 2,000,000 tons. The construction of the new mill will prove of immense benefit to Lincoln county and Caliente in particular, much of the business of the camp of Deamar, as in years past, coming into Caliente. The Delamar tailings were purchased under contract from the Painter estate by the Caliente Cyaniding company. — Western Mineral Survey.

COMO MINES MAKES DISCOVERY OF ORE

RENO — Marking the second phase of a broad-scale operating program, a new ore discovery has been made in driving to its objective the east lateral from the long haulage tunnel of the Com Mines Company in the Como district, eight miles south of Dayton in Lyon county. — Denver Mining Record.

ADVERTISE IN THE AGE

Invisible "Dirt" Showers Upon Us

Bacteria-Bearing Contamination Is Called Kind To Be Avoided

By Dr. J. Lynn Mahaffey
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Practically everybody realizes that good health and cleanliness are closely related, yet it is a curious fact that some of the more important aspects of cleanliness—those



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that deal with what might be called living contamination, are often ignored.

In general there are two kinds of "dirt"; the ordinary soil or grime which discolors our hands, faces and clothing during the day's work or play, and the living dirt—the often invisible dirt, containing bacteria—which falls upon us from the air, reaches us from contaminated surfaces, comes to us in foods and from other sources.

Reason for Cleanliness

Cleanliness, the purpose of which is to get rid of the first kind, or dead dirt, is of importance for reasons of appearance and comfort only.

But it is not enough merely to protect ourselves from visible dirt. The invisible but living dirt, containing bacteria, must also be guarded against. Even though many kinds of bacteria—in fact, most kinds—are harmless, being merely tiny plants leading a useful existence, there are also some kinds which are enemies of the body.

This is the first of a series of articles by Dr. Mahaffey.