

LAS VEGAS TIMES

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PATSY CLARK OUTFITS AT VEGAS

This Veteran Miner of the West Has Commenced Operations in the Funeral Range to Demonstrate the Value of the Great Copper Showings.

James P. Harvey, the Well Known Expert, Has the Management of This Property and Expresses Confidence in Its Future Greatness.

It is an Unhospitable Range in Which to do Mining, But With Its Handicaps It Bears the Evidence That Induces Capital and the Fortune Seeker.

James P. Harvey, the well known and prominent mining expert, and representing the Patsy Clark interests of Spokane, Washington, has gone to Furnace creek, accompanied by J. M. Porter, a mining engineer of note, to start and give direction to the development work that will demonstrate the value of one of the most promising copper finds in the west, the "Furnace Creek Copper company's" holdings in that section.

Patsy Clark owns three-fourths of the stock. The group has seventeen claims. The district for the amount of work done has phenomenal showings. These, from the mineral and geologic view are such as to occasion the confidence in its future that brings capitalists of the Clark capacity into its midst to develop these resources.

Mr. Harvey, whose practical experience in mining is such as to give him the standing as of the best in the west has unbounded confidence that the Furnace creek property or district in time will develop into one of the great copper producers of the country. The building of the Clark road north is the feature that urges the present development work. This road, when completed, will approach the mines so that only a haul by wagon of eighteen miles will be necessary.

The ore or vein is homed in a granite porphyry formation. The lead is from four to twelve feet in width and carries values of from 20 per cent to 40 per cent copper, and bi-product values of gold and silver that will pay for mining. The ore in sight is of a shipping grade and by the time the Clark road will reach Ash Meadows the Furnace Creek company will be ready to furnish the new railroad a liberal tonnage.

The vein runs at right angles over the Funeral range of mountains. By standing on the summit of the Copper Blue claim one is able to see the highest and lowest points in the compass of the United States, Mount Whiting, rising majestically heavenwards, and the bosom of the famous Death valley that waterless waste, 450 feet below the level of the sea. This country has been the mecca for the prospector lately. Its tales have aroused the ambition of many who design to figure as the Croesus of the future, but as yet, except Scotty, the sensational, none have been so situated as to develop any of the numerous finds made in the Panamint and Funeral ranges. The real stiff work being done is that of Mr. Clark under the direction of Mr. Harvey.

It is a hard game to do mining in the belt. Water is scarce. The best approach is sixteen miles, but these disadvantages do not overcome the

prospects of opening one of the great mines of the continent at this point.

Mr. Harvey outfitted at Las Vegas. It took four sixteen-horse freighters to convey the provisions and material for the preliminary work in the opening up of the property. Sixteen miners at \$4.50 per day are employed. The road is by way of Ash Meadows and requires a 114-mile haul to reach destination. It is justice to say that Mr. Harvey was the expert who convinced Patsy Clark that it had the features of a copper bonanza and not Mr. Fred Burney, as stated by a contemporary.

IS INTERESTED AT VEGAS.

A Prominent Los Angeles Citizen Expresses Admiration at Progress of the Desert Metropolis.

Wilber O. Dow, a prominent and leading realty owner and dealer of Los Angeles, was a Vegas visitor on Monday. He is not only extensively interested in southern California realty, but is one of the heavy owners of such good things at Las Vegas.

He expressed great pleasure at the improvements of Vegas.

Mr. Dow is a man of vast enterprise and possesses the ability, push and energy to carry to a successful conclusion such enterprises. At present he is commanding a million dollar project at Pasadena, the haven or paradise of southern California. He is planning, grading and paving in this home of eternal sunshine an addition that will be on the market this week for those who desire a home amidst that transparency and verdancy and clarified atmosphere that makes this section adorable, a place for home, comfort and enjoyment.

VEGAS ELECTRICALLY LIGHTED.

The Promise That the Brilliant Illuminant Would Do Service, is Made Good.

Radiant, brilliant and successful was the turning on Monday evening of the juice that electrically lighted Las Vegas, the modern surprise of a marvelous new city, marvelous for being only a little more than six months old, and having all the modern improvements that places it in rank with those cosmopolitan points that have had their growth and improvements for centuries.

Henceforth it is farewell to tallow dips and smoky oil lamps for Las Vegas. With its newer improvements and keeping abreast with the best that is on the forward route, Las Vegas is only pursuing that destiny that nature and its surroundings intended it to be and will be if the broad gauged man will aim and direct its purport in line with a liberal policy—where the idea will root itself that it is "live and let live." The telephone, too, is coming. The Times compliments the electric company upon its success and congratulates C. E. Dutcher, the engineer in charge, upon the consummation of his work.

FROM BULLFROG.

W. A. Cates, representing Wright and Laughlan of Los Angeles, was a guest at the Hotel Palace Monday. Mr. Cates is directing the work for the erection of a cyaniding plant at South Bullfrog. It will be a thirty-ton plant and as soon as it can be accomplished the plant will be increased to 150-ton capacity.

Mr. Cates states that the company has contracts from mine owners that will keep their thirty-ton plant in operation continuously for the ensuing six months.

With the Clark road completed into the mining district Mr. Cates prophesies additional mills to treat the mountains of ore that the Bullfrog district contains.

AID THE GOOD WORK.

Subscription Papers for the Building of the First Methodist Church in Las Vegas Are Being Circulated.

Messrs. Chris N. Brown, A. L. Murphy and C. P. Squires, are the soliciting committee. These active, energetic business men are taking hold of the enterprise in their characteristic way.

Everybody will be given an opportunity to do a part.

A front view of the proposed plan made by Mr. Chamberlain, the architect, can be seen at the bank.

John S. Park has kindly consented to serve as custodian of the funds and A. H. Johnson will keep the records.

A MINING DISTRICT OF GREAT PROMISE

N. A. Kuhn, a Prominent Vegas Merchant, Interestingly Relates the Possibilities of the Boulder Canyon Belt.

The Discoveries by G. A. Lane Have Attracted the Attention of Prospectors and Mining Men in Numbers.

The Prophecy is Made That the Chronicling of Scenes and Results Like Unto Manhattan Will Be Features from the District.

Old Fort Colville is now the scene of the beginning of a mining excitement, which is bound to grow to very considerable proportions as development takes place in the mountains along the Colorado river near the old Mormon fort.

Colville is about thirty miles from Las Vegas on the Nevada side. Two miles above Colville is "Boulder City." This is a level space of 200 acres at the mouth of Boulder canyon. To this point it is accessible with a team. From here transportation has to be by boat on the river or the prospectors' faithful burro.

The mineralization begins within a mile of the mouth of this canyon. Much unworked ground, all highly mineralized is along the river. Porphyry dykes and quartz leads run through all the hills. The mineralized section is rugged and hard to climb and has not been prospected previously. It is only accessible from the Las Vegas line. This will make Vegas the supply and outfitting point.

The immense wealth of resources of this belt is just beginning to be noised about. Prospectors by the score are entering upon this virgin territory. This activity has been brought about mainly by the Lane discovery about four miles from the mouth of Boulder canyon.

Their location embrace 7,200 feet along the trend of the vein. It is a blanket vein about eight feet thick, 2,000 feet above the river and 1,500 feet below the crest of the mountain. The average assay across the vein is more than \$98 per ton, \$80 gold, \$18 copper.

The footwall of this vein is porphyry; the hanging diorite. The uplift upon which Lane and Mattheson are located is fissured clear across with a 50-foot porphyry dyke giving a value of \$2.40 per ton clean across.

The gold is free. The percentage of copper and silver is high. W. H. Lester has this property under bond for \$30,000.

Two miles farther on the Arizona side Hewettson and Hall have a number of claims along a well defined fissure vein. Colors in profusion are panned from the vein matter. The Smith and Jason property on the opposite side of the river, has equally remarkable showings. Campbell and Duncan have located a great bunch of claims. They have good property on both sides of the river. Their holdings are such as to assure them fortunes. They have commenced operation in good earnest and the evidence justifies the prophecy hereby made. They have the Accident 1 and 2, Sheep Trail 1 and 2, Summit 1 and 2, Cripple Creek 1, 2 and 3, the Victor and Altman Quartzite 1, 2, 3, 4, 5 and 6, Fourth Arizona 1, 2, 3, 4, 5, 6. The latter twelve show rich copper ore as well as good values in gold.

M. A. Kuhn, M. Hansen and J. W. West have located the "Golden Gate" group of four claims. The "Velvet," "Coli" and "Abe Lincoln," all well mineralized and carrying values in gold and silver. The sample returns were so gratifying that West and Hansen outfitted with tools and supplies the following morning and established their camp on the Golden Gate to begin work that will count.

The quartz vein is enormous, being fully ten feet wide.

The first boat built and launched on the river at the Vegas wash is the Good Luck. H. M. Smales, wife and daughter are the owners, and are using it to navigate the river from the wash to their camp at Boulder canyon. Mr. Smales is doing work on the Canopa and Lucky Boy claims, which parallel the "Golden Gate" group. John Dale, Fred A. Allen and

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If You Get It of Fallas, It's Good

John A. Leary, Mahony and Myers have well defined veins all sampling well. It is a good field for prospectors.

The opportunities here are equal to any territory in Nevada. It is not overdrawing the figure to say that in the near future the Boulder canyon country will be scenes of enactment and liveliness such as are now the daily chroniclings from Manhattan.

"FAULT" IN GEOLOGY.

In geology "fault" is any rock, crack or fissure with dislocation of the strata. The rock movement may accompany the formation of the crack, or may come later, and the total movement may vary from a small fraction of a foot to thousands of feet. Faults come by the same strains and stresses which make folds, the rocks breaking instead of bending; brittle stratum may be faulted, while softer strata above or below may be only bent. The dip of a fault is the amount of inclination of the plane of fracture from the horizontal; the hade or slope is the complement of the dip, being the amount of inclination of the plane from the vertical. Thus the hade of a fault with a dip of 60 degrees would be 30 degrees. The rock strata relatively dropped from the downthrow side; the upthrow side is opposite; the side of the fracture that overlies the other fault is the hanging wall; the underlying side is the foot wall. The throw

of a fault is the total vertical displacement—the heave is the total horizontal displacement—both measured in the plane of the dip. If a fault dips 45 degrees the heave and throw are equal. Faults are classified as normal and reversed. In a normal or gravity fault the hanging wall is on the downthrow side. In a reversed or thrust fault the hanging wall is on the upthrow side. Normal faults, as the strata occupy more space than before faulting, were produced by tension. Thrust faults are caused by compression, the beds on one side of the fracture being thrust past those on the other. As a rule thrust faults have lower dips than normal faults. The best examples of great normal faults in the United States are in the Arizona-Colorado plateau. Generally a fault-fissure is filled with more or less ground-up material from the dislocated strata, and the hanging and foot wall faces are grooved and polished, giving the appearance called slickensides. It is obvious that faults are surface phenomena, for with increasing depth and increasing pressure from above rocks end rather than break and at a certain depth all rocks are plastic.—Exchange.

H. H. Farrell and R. E. Lake are back from their prospecting trip into the Gass mountains. The fortune seekers are of opinion that close to Vegas the rich mineral many are seeking for will be discovered in this belt.

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