

THE GREAT TREASURE VAULT OF NORTHERN NEVADA—ITS COMPLETE HISTORY UP TO DATE

The Most Remarkable Gold and Silver Deposit in the Entire History of Mining

Impress these words of Queen Sheba and Solomon as recorded in II Chronicles, 9th Chap, and III Kings, Chapter 10:

"And when she had seen these things . . . shouldst to the king . . . the world is true which I heard in my country. . . I did not believe them that told it until I came and my eyes had seen and I had proved that scarce one-half . . . had been told me."

Solomon: "The report is true which I heard in my own country . . . and I did not believe them that told me till I came myself and saw with my own eyes and have found the half had not been told me."

These words of the Bible are vividly enforced when treating with its objective the subject matter of this article bearing as it does a partial revelation of one of, in fact, the most remarkable mineral deposits in the history of mining.

"Scarce one-half hath been told." In 1871, the editor of the National Miner, induced S. K. Bradford to make the trips through these catacombs, studied as they are with the lure of gold, and thus have an ocular review by a competent mining engineer and a practical, keen representation of the actual rather than pictorial showings and facts of these great underground openings, only in their infancy, and, but the shadow of a forecast of what all can expect when the great mine will have finished its course. After a personal inspection of the mine and gathering certain superficial data in June of this year the editor in an article on the then "bonanza" exhibit, closed with "Watch for a '76 Comstock production one of these days." Peruse carefully the history as well as the mineralogical side of this great property by S. K. Bradford, one of the able mining engineers and mining men of the West and the predicted improvement upon the great Comstock epoch of 1876 in Nevada is not so far off and the mining period on the Comstock added to the precious metal stock of the world more than \$800,000,000.

The production of this mine up to the present, with its limited exploration and development, and for its short life, mainly extracted in opening and

determining the ore trends and establishing great reserves, exceeds \$1,750,000 and emphasizes this fact, "and then some."

The Bradford recital and clear-cut statement is comprehensive. Read it, Digest it, and then figure what this preliminary showing means for the National district, and verily, for reasons not entered into here, the writer fully believes that just as great and rich ore bodies will be opened within the environs of the National district as that already foreshadowed. But another time. Here is Bradford's chronology and review of things appertaining to the National mines, and "the half hath not been told," and is as follows:

Founding of National.

The four claims comprising the holdings of the National Mines company and upon which is situated the great National mine, are known as the Fairview, the Fairview No. 1, the Charleston and the West Virginia Lodes. The claims were located by Lew Davis and J. L. Workman June 23, 1897, and the necessary legal work to hold the same was completed in 1900.

In the spring of 1908 Workman purchased the interest of Lew Davis in all the National holdings, some thirty-four claims in number. He then let leases upon the Auto ground. Messrs. Bradford and Kendall took lease No. 3, but becoming dissatisfied therewith they took a lease on Charleston hill, on the Virginia Lode. They persuaded the Stall brothers, Frank and George, to go with them and the four took a lease of 200 feet along an undiscovered vein and later persuaded Messrs. Gayer and Donaldson to take a lease north of and adjoining them.

Some silver float had been found and they began sinking to get to gold ground so that a crosscut could be run both ways to cut the supposed silver vein. The three leases were consolidated and thereafter known as the Combination lease.

As the old Donaldson and Gayer shaft was further down the hill the work on the Combination lease was done through this shaft. About twelve feet from the surface the shaft had passed through several tons of \$20 to \$40 silver ore, carrying only 80 cents to \$1.00 in gold per ton. For fifty or seventy-five feet east of this shaft a belt of soft altered porphyry, probably an altered andesite, had been cut into, and found to contain from fifteen to sixty-six ounces silver and a trace of \$1.25 in gold per ton. The silver was principally in the form of ruby. At forty feet in depth a crosscut was started west and at fourteen inches a vein was cut containing pockets of nodules of electrum ore running \$75-100 per ton. The metal of this ore was 49 per cent silver and 51 per cent gold by weight, and contained no base metals. There were in the quartz and

taille surrounding these nodules base metals in various forms.

Often copper carbonate, chalcopyrite and native or shot copper, were found. The beautiful needles as well as the radiated crystals of antimony, iron in three forms, cassiterite, ruby silver, zinc and other bases would all be found in a day's excavation.

Ruby silver is very common in the cleavages of the ore as well as surrounding and adhering to the outer edges of the nuggets of high-grade ore. A few days ago a chunk of very fine ruby silver ore was broken open and the interior was the electrum, no ruby being on the inside.

Ore Worth \$19.90 Per Pound.

The first ore shipped from this property averaged \$19.90 per pound at Solly's. The second grade went \$480 a ton. The shaft was continued down on the pitch of the vein to the west, of about 48 degrees from a horizontal plane to the end of the hoisting cable and a drift started to the south. This drift was run-in about sixty feet. Then Bradford and Kendall sub-leased their one-third interest in the Stall property. The remaining two-thirds they secured an option on the property from Workman and interested Harry Macmillan and George Holleran. They made one payment, organized

GREAT STRIKE ON THE CHEERGO.

It is Workman's austerities, and the victorious winning is Napoleon. In the mining sense the strike on the Cheergo is significant for National and as much the real thing as that brought about by Napoleon on that historic day. The strike is a vein a big body of commercial ore. It is a substantial evidence of the greatness of the National mining district, the best mining section in the West. The ore is characteristic of the Comstock section. It is three-quarters of a mile west of the great National mine and in the heart of the Workman township of the National. Fuller details of this new National bonanza will be published next week. National is moving with a gallop, to the front as the choice mining section of the American continent.

The National Mining company and had the property transferred thereto. They defaulted on the second payment and the stock reverted to Workman. Then George Pelton, the present secretary of the company, came in for the solution of the control of the stock.

The Stall, Donaldson and Gayer found a pocket, taking out about \$15,000. Gundaker purchased the Donaldson and Gayer interest. The Stall dropt the above mentioned drift a few feet further and opened up the bonanza ore shoot.

In the meantime, an extension of fifteen months had been granted on the lease. Then Pelton tendered the balance of the option money and Workman refused to accept it. Pelton be-



NATIONAL MINES COMPANY'S MILLING PLANT, TURNING OUT MONTHLY \$250,000 OF GOLD BULLION.

gan suit, which was in time compromised. Then the management of the company was naturally turned over to the Pelton interests. In the meantime the Stalls were busily engaged in extracting the high-grade.

Mine in Litigation.

The new management claimed that the lease should not have been extended and all attempts at a compromise having failed the Stalls were enjoined in September, 1909. Very expensive litigation then ensued, which was finally compromised in May, 1910. The Stall brothers regained ownership of the mine and the National Miner. Cutler, proceeding from the bottom of the straight shaft, was then raised fifty-five feet to the surface and a 25-horsepower gasoline hoist install-

ing over TEN THOUSAND DOLLARS PER TON.

The strike of the vein in the main workings averaged 8, 8 deg. 00 and E, and N. 8 deg. W., and through the Stall lease the above mentioned belt of altered porphyry has about the same strike. At 300 feet south of the incline shaft on the Stall lease on the surface an intrusive dyke of diabase from fifty feet upwards in width comes in from the south with a trend of S. 28 deg. W. and changes the course of the soft altered porphyry and forms the hanging wall thereof.

At the top of the vein, in all the levels, the strike is easterly and this changes the strike of the vein to conform to the strike of the dyke forming in many places the hanging wall of the vein. In tunnel No. 4 the ore continues to the south and jumps from the footwall to the hanging wall often found clinging to this dyke and now shows as strong as ever in the face of this tunnel.

As you go south from the Stall shaft along the apex of the vein the surface shows only about 150 feet in a distance of 900 feet. While going north the slope is toward Charleston gulch and is very precipitous, being 30 deg. to 35 deg. Therefore a series of six tunnels were run into the mountain, all leading southerly. They were numbered from the top downward Nos. 1 and 2 were put in by the Stalls, No. 3 was run to the north boundary of the Stall lease by the former lessees and the National Mining company and continued from thereon by the Stalls. They worked the mine through this No. 3 tunnel until enjoined at the beginning of the litigation. After the compromise, they used the incline shaft. From No. 2, near the south boundary of the lease, a crosscut was run east about eighty feet to find the silver vein. For the first fifty feet of this crosscut the cleavages and seams were filled with very thin sheets of ruby silver averaging about 2 1/2 to a ton and upwards. The hauler that a silver vein exists to the east is very strong. The excavation for the mill near the top of the Stall shaft and west therefrom, disclosed seams of ruby silver one-fourth of an inch in thickness.

Silver Values of Importance.

This country rock is so rich as the ores in some silver mines that have yielded great profits in the past. Owing to the great weight of the ground on the vein and the necessity of continually renewing the heavy timbers, the management now runs all tunnels in the country rock away from the vein. They are not compelled to timber the country rock tunnels as heavily as vein workings and in addition are not troubled with water.

South Vein Consistent.

The vein is very wet and the tale on the walls gives away whenever exposed for a short time to the action of the air and this causes a softening of the vein surface and the ore is a mass of thin layers which must be continually renewed. No. 4 tunnel was run into the mill on a vein at first supposed to be the Charleston hill vein for 450 feet. A crosscut was then run east and the main vein encountered. A drift was then run along this vein to the south and at about 130 feet the vein in which the tunnel was run came into it, but did not cross it. Numerous veins enter the main vein from the

northwest at an angle of about 30 degrees and as they go south become a part of the main vein, thus increasing the vein area, trending to the south. This tunnel was driven along the vein to an intersection in the Stall shaft and some 300 or 400 feet south thereof and is still being driven south all in ore. This tunnel cut the Stall shaft at about 600 feet from the surface on the pitch of the vein. For 500 feet along this tunnel and back from the face chutes are put in every twenty-five feet and the entire block 500 feet long and 194 feet high up to No. 2 tunnel is now ready to stop.

A portion of this block. This enormous block of ground is held in reserve for the future mining and increase of milling facilities. The only ore being taken out of the mine is that removed in development, with the exception of that being stoped from the old Stall workings.

Of course leasers never put into a property any more than the most meager timbers, those absolutely necessary to hold the ground during their tenure. The present management, recognizing the fact that the old Stall workings will in time cave in unless the timbers are continuously renewed and strengthened, decided to stop out all ores left above No. 3 tunnel and all in with waste, thus preventing the caving of the walls along the old stopes. They began the stoping and were very much surprised to find in the heretofore considered barren ground as much and as rich ore as had ever been removed from that portion stoped. This ore now is dumped through the chutes to tunnel No. 4, cured out and dumped into a loading chute and sent by the gravity tramway into the top of the mill. The reserve ground is being extended south as fast as tunnels Nos. 3, 4 and 5 can be driven. Chutes are being put in as fast as room is made.

A Competent Management.

The timbering in this mine is being done in a permanent and mine-like way and reflects great credit upon the management thereof. Superintendent Robert Bolam has shown his ability in the knowledge and mechanical ability in all the workings under his direction.

The whole plan of the opening of this great mine and its equipment, including mill and surface works, are evidences of great thought and careful planning on the part of John E. Pelton, the president and manager, and Geo. S. Pelton, the secretary, and are results of which any mining engineer could justly point to with pride. Nor must we forget to give just credit to the miners and mechanics who so faithfully carried out the plans of the management and made these results possible.

You ask how we know that this block of reserve is ore, as we have not sampled it. As we pass under the block and up through the connections we get a fine showing of high-grade and clearly exposed high-grade and where the high-grade men have gone along under direction of the superintendent and worked out the pockets or nodules thus exposed, leaving the mine but positive evidence of high-grade ore removed. We know from our experience in the Combination lease that the balance of the vein for feet each way from a pocket or nodule of high-grade is good milling ore in this camp, which means high-grade. (Continued on page 22.)



VIEW OF ROADWAYS AND TUNNEL WORKINGS OF NATIONAL MINES COMPANY'S PROPERTY ON CHARLESTON HILL.

FRANK L. REBER, Publisher.

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SITUATION ONE OF FUTURE BIRTH.

The district of National lies on the west slope of the Santa Rosa mountains and is about 80 miles from Winnemucca, the most accessible transportation point. It is about 18 miles from McDermitt, a town that is built on the State line, part in Oregon and part in Nevada, and is headquarters for large stock raising, mutton sheep, and agricultural interests.

The lure of gold makes fools, madmen and scoundrels out of some men, and provokes a desperation that is unaccountable in human nature unless explained as ignorance, but be this as it may, for it is the desperate character we have in mind as we are penning these lines.

National has a rich gold mine. If the analogy that history in mining gives is worth anything then the National mine is the richest deposit of the precious metals in the experience of man. This richness has attracted the desperate man—the man with the low-browed instincts.

These valleys are mostly arid but under irrigation the soil raises grasses, hay, barley, oats and fruits in abundance, and luxuriously grows the alfalfa and other grasses. The vegetables of this section grow in profusion and are of fine quality and of the best flavor in the world.

The location of this mining district is on the sunset side of the mountain ranges. The altitude is about 4500 feet and the gold and silver bearing peaks loom horizonward from 6000 to 12,000 feet. Buckskin peak, about two miles beyond Charleston peak, looms like a mighty sentinel, seen with its bald pate for many miles from afar and all around.

joined and touched, and that in this respect National will more than duplicate every Cripple Creek and Goldfield. The bullion of the lower grade ores in excess of the cost of extraction and reduction is already a partial demonstration at the National mine.

CEAINLY IT'S A PEACH.

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ED STAUNTON FOR SPEAKER OF THE ASSEMBLY

Since it is a fact that the Republicans will control the lower house of the Nevada Legislature, and inasmuch as the National Miner is in favor of anything honorable that will advance and ennoble Humboldt county, it takes the liberty of urging upon the Republican administration the name and capable personality of the Hon. E. M. Staunton for speaker of the assembly.

Not as a partisan but in the spirit of a good citizenship the Miner urges the selection of Ed Staunton of Humboldt county for speaker of the assembly at the close of the Legislature.

From Governor Oddie.

The following letter breathes the high civic sense and spirit that forlines a true, broad policy for which will be for the best interest of all the people of Nevada. It is fortunate that Governor Dickerson will have as a successor one whose life and influence is intertwined with the best interests of Nevada.

John E. Pelton, as his reflex in contemplative repose shows, is one of the strong expressive characters of the West. He is distinguished in those traits of manliness and character that invariably present the successful man.

This interesting figure in mining life came to Colorado in 1873. Since then he has had his trials and struggles and has been a habitual follower and forestall actor in the development of the San Juan, Leadville, Grand and Cripple Creek districts.

Four years ago he came to Nevada and put his credit upon the positive balance that this State deserved his attempt and attention to develop its resources and gain some of the advantages Nevada offered him and his friends.

He operated in an aggressive and on a strong, large scale at Goldfield, Wonder, Silver Arrow, Rawhide, Seven Trouths. These operations cost \$250,000 without anything to show for it but heaps of machinery left behind, for which he hardly could have realized \$2,000.

His redemption point in Nevada is associated with National. Through the righteousness of persistent effort and by applying the potential principle of "keeping it up," he finally, for his faith, gained his freedom by securing control of the National mine.

He accomplished this, but in the face of considerable litigation. He finally won, and won, along the common

course route. The record of this great property under his management is detailed in other columns.

While his material and successful life amongst his every day fellows has a high and peculiar interest and example, the fact is that all this from the moral spiritual viewpoint is overshadowed by that from life which embraces the true grandeur of man and swells one with admiration.

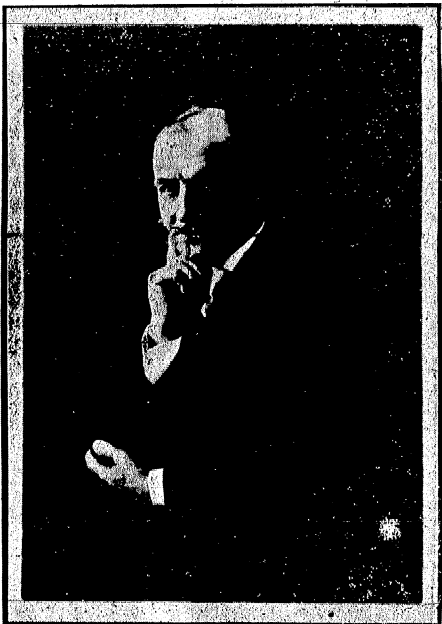
It is amidst so-called small things that man, in resplendency, shows his real greatness and the home life of the Peltons manifests sweetness and greatness.

This family, in their unpretending but elegant home down Charleston gulch, show the sensible side of life and hence it is the home of happiness endowed and blessed with dutiful children, who do not pause or leave a void in that devoted fellowship which so beautifully illustrates the affection of the child for the parents.

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JOHN E. PELTON.

CHANGES WITHIN TWO YEARS

Two years has caused a transformation in the National section that fully impresses "prate change." Then the sheep and cattle ranged, fed and fattened over the ambitious soil and grass growing mountain slopes.

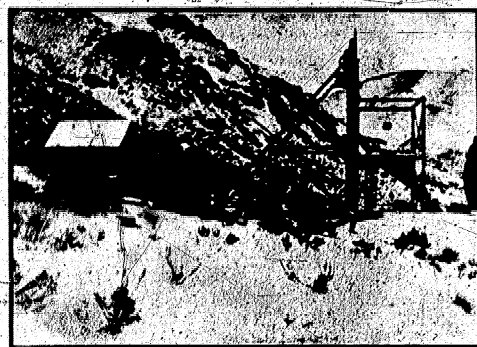
These people are alert in all things and clever and sociable and of the help and another principle, as can be found anywhere. Mostly as a whole this territory. Of course, there are some exceptions to this.

The improvements of the district are in keeping with substantial progress based upon the confidence that assures results. In a social way the conditions are excellent. We are a homogenous people. With those amusements and pleasures that homelooks. Improvements away from the seats of art and that culture that belongs to an ancient lineage.

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These people are alert in all things and clever and sociable and of the help and another principle, as can be found anywhere. Mostly as a whole this territory. Of course, there are some exceptions to this.

Great Strike on the Cheefoo. The strike on the Cheefoo is a great thing. It is a hummer. It reveals eight feet of ore solid. What is more, it is in the heart of town. Join the Radiator and Auto groups and is explanatory of much for those pessimists who have been sniffing from way off that something was wrong. The group is in the heart of the town. The Cheefoo is the real thing for our own eyes have beheld it.



MAIN CHARLESTON UPLIFT AND NATIONAL DEFIANCE HOIST.

A company operating contiguous to the National Mines company is the National Defiance Mining company, duly organized and with the main office at National, Nevada. The National Defiance is a choice location, with all its holdings within the mineral belt and in a geologic purview closely related to the great producing company of the district, the National company.

The company owns two full claims and the Fairview Wedge Fraction claims east and adjoining the north end of the Charleston Hill Gold Mining company, and a leasehold for two years of life from said company on a block of ground 1200x800 and including Fairview No. 1 and the great West Virginia claims of the National Mines company and from which the extraordinary production of gold and silver is taken and in which the ore zone carrying the great high-grade luster is being explored at a depth of 400 feet to the south towards the operating ground of the National Defiance Mining company.

The shaft is perpendicular. The water has been a serious problem and regarded the development work, under the strong-armed application, but with machinery in place the water will be readily handled and instead of wasting two-thirds of the time, the water, the 20-horsepower hoist will accomplish the defeat of the water attack in a short time.

The shaft for sixty feet passed through a debris, then for twenty feet passed through a flow and out into the mineralized porphyry at eighty feet and for the last few feet, has been in an altered andesite cut with some highly mineralized seams of mineral bearing rock. An assay return from one of these seams returned \$40 gold and \$2.50 silver per ton, while the soft andesite gouge returned a trace of gold and 20 ounces of silver.

The conditions present makes the locating of the metal bearing vein a mere matter of digging. These seams undoubtedly, led to the lead proper for which they are feeders or offshoots. The values ascertained are proportionally better than those contained in the seams found in the original discovery of high-grade was approached on the Stall lease.

The basaltic dyke which forms the hanging wall of the andesite containing the famous Charleston Hill high-grade vein crops strongly upon this property. In the lower workings of the National Mines company between three and four hundred feet south of the Stall shaft the dyke is the hanging wall of the vein, and competent mining engineers believe that it will follow the dyke through Charleston mountain. This dyke passes through the west end of the Defiance operating block and into the Wedge fraction. It is thus verified by development, and there is every reasonable basis for this outlook, then the Defiance company controls some of the most valuable property in the district. This block is also at the base of the principal disturbance of Charleston peak and the further expectation is that the deeper workings will also expose the larger body of ore of the district, as Belmont, of Toponah is at the base of Mt. Oddie's and the Con. Virginia on the Comstock at the base of Mt. Davidson made that famous ore body. It is suggested that within this Defiance area that the feeders, veins, spurs and segregated metal bearing leads will unite and make the big bonanza deposit of the National district.

The workings of the National Mines company show a concentration of veins southward and in the direction of the Defiance holdings. Lines of cleavage are very distinct on Charleston Hill and one old volcano throat appears to have been active near the east side center of the Wedge. The Wedge is now under lease to a prominent mine operator. A number of veins trend the Defiance block. The shaft will be sunk and appearance are that within the next six feet the silver lead will be intersected and at this depth crosscut will be run to inter-

sect these known veins crossing this ground.

The two full claims of this company on the Auto side of the district are of fine location and high worth. With the conditions outlined and the situation of these holdings and with the high-grade luster found thereon, the Defiance looks as near a certainty as an undeveloped mining property can be, with the great ore shoots making south and the trend of this vein toward the Defiance makes this property a very attractive proposition.

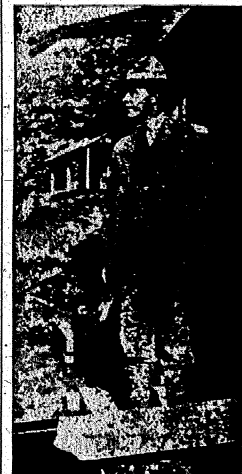
The secretary of this company is Frank M. Case and the general manager is Hon. J. B. Kendall, member-elect of the Nevada Legislature. The National Defiance is like a rich plum pudding in preparation for the cutting.

From Eight-Mile.

Newton B. Stith, the old timer and owner of the Jack McGregor group of claims, five in number, located to the north of Charleston hill, has some specimen samples of ores from his group of claims that are lousy with gold. These specimens were picked out of a good sized lead upon which he is working and float that came from the lead on which he is working. It is very rich gold ore. The gold is in an iron-stained quartz and a very high-grade gold—\$19 an ounce. The country rock is an andesite porphyry. All diligences with this quartz features interlaced. Stith has a fine showing.

Seriously Injured.

L. O. Donaldson met with a serious mishap Sunday. His team ran away, threw him out of the wagon and in a very painful manner lacerated his head and bruised the body. Fortunately no bones were broken and the chances for a speedy recovery are good. The accident to this estimable pioneer of National is regrettable and the prayer is that all will be well with him again.



George S. Pelton.

The above is a typical view of George S. Pelton, the secretary and assistant general manager of the great National Mines company as he follows his managerial routine at National. George S. Pelton is an attorney, 24 years of age and on the mining field occupies a proud and notable position. Few men from the standpoint of mining success can point to such laurels as he can. It was his examination of the National district that prompted the acquisition by the present owners of what undoubtedly is the richest gold and silver property in the world today. He is successful and his keen insight into matters could be nothing else. He is active in the management of the great mine and early and late purpose that course that tends to make the National mine the most famous in history. He is a worthy son of a worthy sire.

The Defiance Cafe

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NEW OFFICERS MINERS' UNION

The newly elected officers of the National Miners' Union are James Trainer, known as good-natured Jimmy, is president; Jack Harrington, Vice-president; J. H. Connolly, the truly man of National, financial secretary; Roy Gillan, the pushing rustler, recording secretary; Walter Wolverton is warden; John Doyle, conductor; Andy Sheberg, the cave man, James Trainer and Tom Burke, trustees; John Doyle, Ed P. Schmitt and A. A. Tichle, financial committee. The National Miners' Union is a well conducted organization and in all its affairs apply the management making the membership collective principle with democratic management making the membership one big happy family, and all of them at home with one another.

And Therein They Rejoice.
Jerry O'Rourke, a real old-timer traveling the Western mountains in search of fortune, is a comical fellow who at the National is one of the best prospectors that ever hit a pike. Like all such, Jerry has had his down, then up and then down, and now on the upward march again. Recently he was very much down and out, but fickle fortune is now embracing Jerry and giving him a sort of an hi-diddle-dee-doo demenor and infection. One of the properties located by him, called the Jackass True, during the panic period is showing up with a profit record and has placed Jerry on Velvet and causing a fast journey for him into the kingdom of wealth. The property is one of the best and the hosts of friends of this up-to-date miner thereof rejoice.

"Walk, You Sucker, Walk."
Vernon Crossen, a chip off the old block, is on deck, accompanied by Charles Watkins. They are known as the "Walking Kids." They are fine lads, but after a summer's toll in the stock fields of California they entered the "Paris of America" and being new to the game they soon realized that "some women and some wags" would make one empty handed and before they realized the full import of this they had to calculate on a brakebeam journey, with a hand-out feast for sustenance from Frisco to Winnemucca, and walk from there to National, hence they have been baptized by the other "kids" of camp as the "Walking Kids," and in turn these wise lads have adapted as a matter for future guidance, "Walk, you sucker, walk."

Happy, Johnnie Jenkins.
"Hello, little Johnnie Jenkins!" we yelled the other morning as the snooty little fellow came along, and proudly Johnnie turned around and greeted us with "Hello, Mister; I am on my way to school, and oh! we have such a nice teacher." And with that the bright little fellow prattled along happily enjoying the recognition and feeling the better from the fact that his youthful importance was noted. Youth and age illustrate the pointers implied and if the world would practice it upon a universal scale, its inspiring good nature would make all the better for it.

An Irresistible Complex.
Ernest Swan, with his demenor explaining as it does, the demenor does explain, the principle of expansion, contraction, cohesion, repulsion and attraction. Ernest when he expands embraces everything around him with good nature; when he contracts he causes a peristimony application, and while in cohesion he is master of all that is within reach and under, the influence of repulsion—well, we will not say—and when in a mood of attraction, there is nothing so charming, and she who thinks there is no one like Ernest asserts that the charm is irresistible.

Always Admitting.
The National Mercantile company is not only constantly enlarging its business, but always improving to meet these business demands and inconveniences keeping abreast with the times or all modern improvements. The latest with them is one of those cash registers that almost does "everything" except talk. It is of the National Cash Register make and is in its operations up to what Pat and Ed "Pshaw, and it is done." The National Mercantile company is progressing with the times and it keeps them hustling to keep up with the crowding events of National.

Will Add to Social Side.
Mrs. Byers, the splendid daughter of those excellent residents, Mr. and Mrs. J. C. Charters, is on a visit to the home folks. Mrs. Byers is a resident of San Francisco and wife of a prominent newspaper representative, and who during the California Legislature represents the United Press at that seat of legislation and statescraft. Mrs. Byers will remain until spring and while in our midst will add to the gaiety and frolicsomeness of the social whirl now in that formative period and of such auspicious significance for the higher and better side of National's social side.

Wilkinson, Donaldson & Lyons sell the best meats and vegetables in National.

FRED HAYES
Judge of the Peace
Attorney-at-Law and Notary Public
Office: National Hotel

SAMUEL H. CHRISTENSEN
Mining Engineer
U. S. Mineral Surveyor
Maps of the National District,
NATIONAL, NEVADA.

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NATIONAL, NEVADA.

National Mercantile Company

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Speediest service and best accommodations our motto. Reserve seats with us. Trips in quick time between Winnemucca and National our specialty

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The Nevada

Winnemucca
C. V. DRAKE, Proprietor

Finest bar in the state. Restaurant and grill in connection. Headquarters for mining and commercial men

The Central Meat Market

MAIN STREET, NATIONAL, NEVADA.

FRESH AND SMOKED MEATS OF ALL KINDS. VEGETABLES AND FRUIT RIGHT FROM THE GARDENS AND ORCHARDS.

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Comfortable Rooms. Everything new and clean, and kept so.

SPECIAL RATES BY THE MONTH.

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First-Class Accommodations. Clean Beds. Courteous Treatment.
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Horses Boarded by the Day, Week or Month. Hay and Grain for Sale.

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HEAVY FREIGHT

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Jewelers, Winnemucca

Send us your watch work.

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AND KEEP POSTED

Local and Personal

Gathered Around Town by the Miner Man

D. C. Palmer has the interest of National at point.

No need for croaking at National. Be cheerful and behold the sunny side of life. "All's well that ends well," and National has that in sight. Control of the great producing mine that will give an ending that is fully well.

The National mine is a mystery or an enigma to all of them. It is so wonderful and marvelously rich that a forecast as to its future is not even of the comparable sort.

Jack Harrington, the newly elected vice-president of the National Miners' Union, is an old miner and good fellow and Jack and ye editor years ago used to lock arms together at Butte, Montana.

Say, that laugh of Pat Cahill has piquancy to it, and adds a spirit that may be likened to the sparkling ripples which a breeze in a swell of water—the one is delightful to look at and the other is delightful to enjoy with its inspiring good nature, for when Pat indulges in that sweet, soft laugh he vibrates all over and makes it infectious.

Master Frank Tracy, they say, is making quite a mark in school. And Frank, and frank he is, is advancing in his studies with a bright record. No wonder that his papa and mama are proud of him.

What a pretty girl! I follow 'na' little Howard Riddle is, 1-6, 100, is one of the bright school-boys of National and the pride of his popper and mamma, Mr. and Mrs. Williams.

William Lehman, who has had charge of the Staff interests while they have been away undergoing treatment, has gone to California for the holidays. He is accompanied by Mrs. Lehman.

W. T. Danieley, of the firm of Danieley & Walker, is always on the job, while Jack Walker, is in his business style regarding the boys with the best and most pertinent stories of the season, and the man who says that Jack Walker, the son of Vulcan, is not a mine-knower what he is, talking about. Danieley and Walker are certainly a forceful combination.

A. T. Brown, the miner, has gone to Salt Lake.

F. McCarval has a choice leasehold on the excellent Shiloh group. He is arranging for machinery to get started. He is preparing camp and within the next ten days expects to be at it hammer and tongs to encounter the ore body of this section.

The National mining district is not restricted to any one property. It has the greatest possibilities.

George Powell, supposed to be one of the best Mormon barlight in the State of Nevada, left for Prisco with his burro outfit a few days ago. George is one of those forceful fellows who always pushes forward and in line with this he is going to Prisco to take a course in assaying and mining engineering. He is preparing for the greater day at National.

Say, Miss Ada Murphy, the graceful assistant postmistress at National, is of that delightful vivacious companionableness as to make her certainly a popular favorite within that swell circle in which she moves and has her being. Oh, Ada is up-to-date.

W. T. Critchfield is another pioneer that belongs to the honor roll. Critch has a large interest in the Mayflower group, one of the very best properties in National. He and his partners are awaiting machinery to handle the water that is now interfering with them on such a strong scale.

B. C. Johnson, the laughing manager of the Elite restaurant, says: There are three of us Johnsons in town. None of us are related, none of us are Swedes and all are blondes; how what are we? For us it is a riddle, but for B. C. it is a fact, and with it all B. C. is a pushing, hustling business factor. Good.

Andy Shellberg liked his recent trip to Winnemucca so well that he has made up his mind to take another and a much longer one into the southland and for all time leave his cave behind.

A. E. Eitter, connected with the National Mines company, is reported, is writing the history of "that mountain" and in the fulness thereof he is devoting studiously and philosophically the days and nights to the subject.

G. M. Trent, who a few months ago hiked it—yes, was sorefooted and lame from it—is progressing so fast on the highway to fortune as to be recognized as a budding millionaire. Those days of his on the outside are simply great and show the responsibility of a miner is of a high order.

Ed Kollett was a passenger on the Pelton auto Tuesday for Winnemucca. Kollett was en route to Winnemucca to treat a broken shoulder.

L. W. Chapman is on a trip to Portland. He will visit there for sixty days and then be back to camp.

S. K. Bradford, the well known National pioneer operator and high-class mining engineer, was summoned to the bedside of his wife at Palto Alto, Cal. He was a passenger on the Pelton auto Tuesday.

SELECT THE CLOTH YOU LIKE and have us make it up into a fine fall or winter suit for you. That is different from your experiences with factory-made clothing. Just the pattern you prefer isn't to be had in your size. WE WILL TAILOR YOUR SUIT as well as the highest priced tailors you ever heard of. The keenest clothing critics will not be able to detect a fault in the fit, the fabrics or the finish. We'll do high-class tailoring without high-price charges.

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Winnemucca, Nevada.

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Four-horse coaches. Frequent stations at which first-class meals can be obtained at reasonable rates.

FARE, \$2.50 EACH WAY.

First-class livery barn at Winnemucca.

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The Bank will receive deposits, buy and sell foreign drafts, make loans, do a general banking business. On time deposits 1 1/2 per cent interest will be paid. Agents for all the principal insurance companies doing business in Nevada.

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The quality of our Liquors, Cigars, etc., is in keeping with the great merit of this district.

OLD I. W. HARPER WHISKY IS OUR SPECIALTY.

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WE CARRY THE BEST TO BE HAD IN WINES, LIQUORS AND CIGARS.

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WE OPERATE THREE BIG CARS BETWEEN WINNEMUCCA AND NATIONAL. WE MEET ALL TRAINS.

Cars Chartered for All Points in Northern Nevada

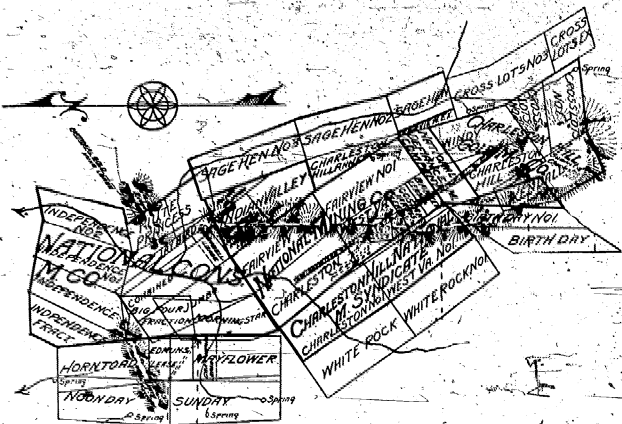
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Freighting to National. Coal Delivered. Both Light and Heavy Hauling. Leave Orders with the Head Office.

WINNEMUCCA, NEVADA.

GEOLOGY OF THE NATIONAL DISTRICT, ONE WHICH THE GOVERNMENT NEGLECTS



SHOWING NATIONAL MINES, DEFIANCE AND OTHER PROPERTIES. THE STALL LEASE IS THE SMALL SQUARE BLOCK NORTH OF THE CAUSTIN LEASE.

Why is it that the Department at Washington usually waits until the prospectors have spent all their money and much time working out all erroneous geological knowledge and theories based on such uncertain knowledge before they send in scientists to work out correct geological maps of a new district.

The pioneers have not the appliances nor as a usual thing have they the scientific knowledge and practice necessary to determine accurately the geology of a district and furthermore the average man can never hope to accumulate enough to purchase instruments and paraphernalia absolutely necessary to determine the character and to correctly classify the various dykes, strata and flows found in a mining camp. And yet this geological classification is absolutely necessary to intelligent development work and the opening up of the mineral veins and deposits of a new mining camp. It always appears to be easy enough to get the Department to make geological surveys of camps as soon as important interests have secured control of them, and therefore a few alternatives present themselves to us.

We cannot for a moment entertain the thought that the scientific gentleman are afraid to make classification and maps, fearing that development will demonstrate the incorrectness of their conclusions.

Nor can we possibly believe that they are influenced by monied interests; nor yet is it conceivable that they never heard of the existence of, say, National. It can't be possible that the one and three-fourths millions production of this wonderful camp can have been entirely unnoticed. If this latter is the case we would suggest that a like and wide awake man be put at the head of the Department.

(BY S. K. BRADFORD.)

main andesite belt, called locally the mineralized zone, has the same trend. The fissuring or faulting of the immediate vicinity seems to have had its center in Charleston hill and the fissures seem to have spread out like the branches of a tree as they passed toward the north and no doubt, the same condition obtains as it passes to the south on the other side of the center of disturbance. The andesite belt which carries the Charleston hill system of dykes is from 150 to 300 feet in width. This belt from the Stall lease north has here nearly a north and south trend, but as it goes south it seems to have been pushed to the east by the intrusion of that thick, heavy basaltic dyke which forms for a distance at least the hanging wall of the Charleston hill vein system.

Locally there is much divergence of opinion as to the classification of this dyke. The mass of the rock is very compact and is a dark green, containing very small compressed feldspathic crystals.

It has the appearance of a diabase and yet as there are a number of kindred rocks which can be determined only by an analysis, perhaps we had better leave the naming of this rock to the scientific gentlemen whom the United States will send out to point out our mistakes in the years to come and when the classification probably has ceased to be of vital interest to us.

But we would like to know now where this ceased to be a dyke and becomes a flow. Hundreds of thousands of dollars will be put into shafts in this rock and no doubt many of them will go down to the end of the owners' resources, only to bring home to him the fact that he had entered a dyke instead of the flow part thereof. A little scientific knowledge could save this waste.

There are a number of folds in the Charleston hills veins probably due to the pressure of the dykes above mentioned.

Owing to the fact that the ore shoots are deep there have never been found but two chunks of ore known to have come from the Charleston hill vein. One known as the badger, bugger and deposited in the mound at the entrance of a badger hole about 300 feet to the north of the Stall lease. This nugget weighed about one and one-half pounds and was very rich. Another chunk of high-grade ore was found of the Charleston Hill Gold Mining company's ground about 100 feet southeast from the National Defiance Mining company's shaft. This ore was very rich, contained very little quartz, was nearly all gold and silver in oxidized iron—just enough to color it.

There is one very important and interesting thought which presents itself to our mind. It is high-grade ore to be found along the footwall of the above mentioned dyke. If so, then the mines of National are beyond estimation, for the dykes are legion.

In other similar formations where the dyke system is similar to this the ore, appears in lenses in the contact made between the dyke and the country rock proper.

In the early days of the camp many tried to make the ore lie in the dyke instead of running in the footwall or contact. There are many other formations in the district than those mentioned.

In all candor, we ask the Department what good does it do to come out and spend a few months looking over a camp where all the prospecting work has been done and tell us what our mistakes are. The Department might as well be abolished for all the good that it will do us. What the prospector and operator need is knowledge beforehand—information that will cause us to direct our efforts in the right direction so that our money and labor may not be wasted. The "interests" never take over property until the prospector has demonstrated the value thereof, and the geologist is exposed so that the most casual observer can read as from an open book. Of course, it is pleasant for the "interests" to sit back, in their comfortable libraries and read all about it.

The after knowledge might be of interest perhaps to half a dozen of the rich and influential stockholders, while perhaps a thousand or more of hard working and poor prospectors have thrown away their money and labor in vain efforts, because of a lack of knowledge of geological conditions and which could have been prevented had the Department made a geological survey in the beginning.

You ask how we know that the "mineralized zone" containing the Charleston hill vein is andesite. Well, frankly speaking, we don't. It is a mass having the appearance to the eye of andesite. It is devoid of crystals, is of the coarse color, and as it approaches the vein it is altered in appearance and is highly mineralized and more or less decomposed.

There are several rocks of similar nature and appearance whose name depends upon the quantity of each ingredient. I. e. the elements composing these different rocks are found in all, but an analysis shows definite quantities of each element in each definitely named member of the family.

It is hard to determine whether the high-grade ore deposited originally in the Charleston hill vein and the vein afterwards reopened and the ore moved to all positions found in the vein and vein matter introduced and deposited "surrounding" the thus deposited nodules and pockets of high-grade, or whether the geological disturbance resulted in a main fault and the high-grade ore was dragged from an entirely separate vein or fault and new mineralizations and depositions surrounded the nodules and pockets after assuming the new positions.

In any event, the walls of the Charleston hill vein show great movement. They are very smooth and well defined, and the fluids that mineralized the same have penetrated the walls and altered them, especially the footwall, which shows mineralization and alteration to as much as thirty feet away from the vein. The interior of the high-grade nodules or blowholes show no alteration or additional deposits of ruby silver or sulphides of any kind. These facts prove conclusively a secondary enrichment.

There are found in the vein and surrounding the ore, sulphides of iron, copper, zinc, antimony and also some clinoblast and considerable talc containing nodules of native copper have been encountered, but none of these metals in any form are found in the high-grade chunk other than in seams or cleavages or on the outer edges of the ore chunks or nodules. This proves at least two separate mineralizations.

Numerous stringers or spurs come into this vein from the northwest and become a part of the vein as it continues on its southerly course, thus showing the origin or concentration to be to the south.

Following the action of other veins in this particular the richness and size of this vein should materially increase as it approaches the center of disturbance in the Charleston hill.

It should be borne in mind that the great Belmont vein of Tonopah, Nevada, is the result of joining or coming together of some two or three smaller veins. The combined veins make an ore body that is larger and richer than any of its feeders; in fact, all of the feeders or spurs combined.

There is no reason to doubt that the coming together of these veins and spurs of Charleston hill will make an ore body larger and richer than any hitherto discovered on the hill. Remember these veins combine as they trend toward the south.

Equipped with a small pocket mineral glass and a jackknive we will attempt to picture the geological conditions surrounding Charleston hill.

It is impossible for us to analyze a rock, prospector or use a pick in any way to determine the nature of a rock other than by its appearance, you might say, to the naked eye.

This district is very complex in its geological formation. There are flows after flows cut by intrusive dykes which spreading out over the surrounding areas have in turn been cut by other intrusive dykes which have likewise spread out over all other previous dykes and flows until to the unscientific mind the whole system has become one complex puzzle impossible to unravel and he gives up in despair and goes at it blind.

The main dykes seem to have a trend of north 30 deg. W. and S. 30 E. The

Joe Prout, he of the rich Front-Hyde lease, is a romantic and story teller from way back, and an entertainer of the clever sort. But, truly, Joe could not be otherwise for those who spring from the loins of that people who had the hardihood to desert in those centuries gone, and in 1883 they came, they saw, they conquered and they stayed. They are the 30,000 "Carnishmen" must know the reason why, could not be anything else but a high-class fellow. He is savvy and forceful and good as the Front-Hyde lease is rich and a landmark of National.

High-Class Resort at Winnemucca.

The Nevada at Winnemucca is becoming a high-class amusement and entertainment resort. The latest attraction at this popular place is a first-class vaudeville performance, with song and dance artists, trapeze performers that will do credit for a metropolitan population of one of the great centers of business and population.

Are They Roosters?

It is said that Judge Hayes, 72 years old, and W. H. Minor, 74 years old, of McDermitt, are not spring chickens any more, but roosters. Judge Minor was in town Sunday and of course said to Judge Hayes, "It's a long time between drinks," and from then on they were off and acted like spring chickens.

County Division, Caused Controversy.

The division of Lincoln, for 1904 Clark county, has resulted in considerable confusion and some amusing conditions. One of these is the fact that Lincoln is left without a State Senator residing within its borders, although it will have representation in the upper branch of the Legislature.

STOLEN ALL WHEN THEY SAW EXPOSURE COMING

The Washoe county grand jury, now in session, is thoroughly investigating the cases against former City Clerk Christie and former Deputy Clerk Cunningham, who are charged with embezzlement and forgery, respectively. The investigation has shown that a large amount of the missing money was taken by Christie and Cunningham, of which there is no account in the city books and that the most of the money was taken by the accused men after it was discovered that there was something wrong with the books and that they had failed to make an accounting.

The latest statement of the facts connected with the whole case, given from the city of Reno indicates that instead of it having extended over a long period of time, the work was done largely after the suspicion had been aroused that something was wrong with the finances of the office and was done in an effort to get all possible before the final moment of accounting came.

It is regretted that there will be great difficulty in holding Cunningham upon any specific charges upon which a conviction can result.

BELIEVED MINER WAS MURDERED FOR MONEY

Early Monday morning at Round Mountain, the body of P. W. Farrell, a loser, was found burned almost to a crisp in his cabin. The cabin had been burned to the ground and the only remains of the body of Farrell except the trunk, the head and lower limbs having been entirely consumed by the flames.

It was first thought that he had fallen asleep and left a lamp burning, which had exploded and fired the cabin, thereby causing the death of the sleeping man. Later advices, however, indicate that there was foul play and that the cabin was fired to cover up the crime. It is known that Farrell had quite a sum of money in gold in his possession, but there was no trace found of it in or about the burned building.

RICE IS OUT OF THE RAWHIDE COALITION

At a meeting of the directors of the Rawhide Coalition company last Saturday, they annulled a contract they had with George Graham Rice whereby he was to secure control of one million shares of treasury stock at 15 cents per share. The company also withdrew with its transfer office in New York City and discharged its attorneys and consulting engineer in order to cut down expenses.

Came In From Eureka.

B. P. Campbell, metallurgist for the Windfall mine of Eureka, Nevada, was in camp for a few days, during the week. He was here on professional business and hence was loath to say anything other than that his observations, and he went through it, of the great National mine made their own the most wonderful properties of record. He would go on record that much. His other examinations are for his employers and not for public exploitation at present. Mr. Campbell at the same time was enthusiastic over the fine showings of Eureka camp, pronouncing it, irrespective of its history of millions of production, as one of great future and that through new methods it would pour more wealth into the lap of society than what its advanced horizontals showed. Their big handicap now is the railroad connection and hoped this will be overcome soon.

Thomson, Nerry and Merrick.

In our last week's record of old-timers, pioneers at National, we overlooked three very important spokes in that original wheel of National. These three are early birds in the camp and deserve notation. They were generally of the first and from the first predicated the quality of the camp and exercised the good miner's judgment so positive in results today. They are none other than that sparkling gentleman, William Thomson, Jerome Nerry and Michael Merrick.

A Promising Young Man.

A factor aggressive and of service to the best interests of the National mining district is William Peas, California, private secretary of President John B. Bolton of the National Mines company. Mr. McChaffray is a gentleman of excellent parts, full of vim, vitality and intelligent direction that makes forceful factors, such as he is in any community. He is a down Easterner from New York. From thence comes much that is of advantage to National.

"Oh, That National Mine"

The subterranean rumblings and predicates of violence through seismic action, but the result of man's toll wrestling from mother earth's womb a vast wealth and fortune that will bedeck and bedew and make happy multitudes of people. Oh, that National mine is great. It is a wonder.

BE NOT SURPRISED IF

National Defiance

will cover a Mohawk record and make big money for those who know how to venture a small investment in National Defiance.

The holdings of the company are a continuation of the famous National Mines Company's ore zone—the production from which startles the world and dazzles the imagination by the real bonanza record of this famous mine.

Opportunity Knocks—Not in Vain

All signs point to a greater greatness than that which the National Mines Co. records.

National Defiance has listed for sale 50,000 shares at 10 cts a share, for development purposes. Now is the time to get in. Address Mon J. E. Kendall, National, Nevada, for information and any reservation or purchase of stock.

NATIONAL MINES' SUPERINTENDENT BUY FINE LOT ON MAIN STREET

R. S. Bolam, the superintendent of the National Mines company, is a man of large experience in underground work. During his time he has had charge of numerous fine producing properties in Colorado, Alaska and Nevada. He is a high-class man and a fine fellow, Jose Jaca, the important commercial force of northern Humboldt county. During the week one of the most important real estate transactions in the life of National was consummated. The parties to the deal are the handsomest man in town, John D. Green, and Tom Defenbaugh. Green sold to Defenbaugh the most desirable location in National, lot No. 15, block 15, paying the National hotel, \$2,500. It is certainly the choice position for the growing and large mercantile business of Jaca & Defenbaugh. It is the central business point of the great mining district. The new owners have started excavation and will immediately proceed in the construction of an office and mercantile block of 40x130 and make it the commercial headquarters of the town and it is enterprise and confidence by these standstays of National.

For vegetables, meats and fruits go to the Central Market.

MINIATURE EXHIBIT OF THE MOST RICHLY LADEN GOLD AND SILVER MOUNTAIN IN THE WORLD.

Configuration of Charleston Hill. View from the north up Charleston Gulch. Shows the National Mine, the Hyde-Front, old Small workings, Caustin, Bankers' Lease and National Defiance operations.

GREAT TREASURE VAULT OF NORTHERN NEVADA

GOLD HIGH UP 'MIDST SCENERY

AMONG THE MINE MAKERS

FREIGHT, YES, 100,000 POUNDS

THE TOWNSITE OF NATIONAL

(Continued from page one.)
grade shales etc. in any other camp in the mining region. And in addition, we have the word of the management as well as having seen more or less high-grade exposed which had not yet been moved or picked out.

Millions in Sight.
To attempt to estimate the millions worth of ore exposed in this property is beyond our province, for it must be borne in mind that our examination was made for a newspaper's writup and not for a mining report.

The Causton and Jarvis shaft on a lease about 300 feet south of the Stall lease encountered much water, but now is practically dry. Tunnels Nos. 3 & 4 have been extended south along the vein and are carrying out good streams of water. The south extension of these tunnels will be of much material benefit to all the leases and workings south along the strike of this vein, by carrying off the water which it would otherwise be necessary to raise to the surface, at great expense and much delay to the development work.

Tunnel No. 5 was started at an elevation sufficient to allow of the running of cars into the mill and dumping into the top of the ore bin.

In order that the company may be relieved from the enormous expense of renewing timbers and also avoid the necessity of driving the tunnel its entire length in water and mud, the management decided to run this tunnel in the country rock to a point vertically under the bottom of the old Stall shaft. When this point is reached a raise will be made to the shaft, chutes put in and all the ore from the upper works will be dropped through this opening to tunnel No. 5 below and trammed direct to the mill, the waste being set aside to fill the stopes. This tunnel is equipped with compressor and drills and is being driven as fast as three shifts will permit. This tunnel is now in under the Charleston mountain about 1,200 feet from the portal.

The vertical raise will be 225 feet.

"Nay, nay, Pauline," there are other things in the National mining district than the great mine that cleaves Charleston mountain to the south towards the National Defense ground and beyond that satiation opportunity. Take the property of Jesse A. Gavin, the man who sold the Jumbo Extension in Goldenrod, consisting of two claims, on the west side of Buckskin mountain, about one and a half miles up and up that powerful, terrific projection towards the skyline on Three-mile creek ascent and known as the Lily and Dixon claims.

"These claims are traversed with a series of fissures. The one upon which the work is done mainly, evidently is the result of one of those convulsions close to that focus of action that powerfully affected and cracked this mighty mountain during the period of the main volcanic disturbance, and which produced numerous changes or alterations of the rock and influenced a configuration that will ever be remembered by any one that has ever beheld its strange, striking and mighty effect. On this one fissure upon which the work is done, the results are so good and positive as to herald into the limelight Buckskin also more strongly than what it is at present.

Numerous trenches, a 12-foot shaft and an open cut into the lead with a 14-foot face and a drift tunnel into the lead from this open cut determines a lead of continuity, of excellent values and expanding as depth is attained thereon. A good indicator, a strong factor. On the surface the lead is three feet wide, but the paystreak is only six inches. At a depth of twelve feet the paystreak expands to eighteen inches. Two grab samples from this paystreak gladdens the owner with these results, \$18 and \$64 per ton. Outside of this paystreak, the filling or matrix of the lead returns values. It looks good for Gavin. The lead here evidently is a contact embraced between what has the appearance of a syenite and a porphyry or quartz porphyry, but in and around the section also are other forms of rock such as silicite, and thylvite porphyries. The gold bearing rock is sort of a heavy chert quartz, as the miners say. The situation is certainly one that prompts the laying in of supplies for winter work and the establishment of a camp that will withstand the storm blasts along this mighty uplift of 12,000 feet.

Concentrates \$1,000 a Ton.
The concentrates make about 5 per

A few days ago a representative of the mine was walking down National street busy thoughtfully and among others encountered the mining engineer J. Frey, head of "Frey's Big Mule Outfit" and as we walked up to him the query naturally was "What's the best word, Frank?" and with cannon ball effectiveness the answer came. "Oh, nothing particular, except I have had 100,000 pounds of freight at this foot of the hill for your National outfit, and which I had it up here and delivered."

In miniature this gives an idea of the volume of trade being conducted from Winnemucca to National and its differentiation application through the opening and productivity of the National mining district. The delivery of 100,000 pounds of freight at a lick is not such an unusual occurrence for National these days and it will not be long until this index will have a manifold increase in freight tonnage both ways for every new development establishes the enlargement of National production and business requirements.

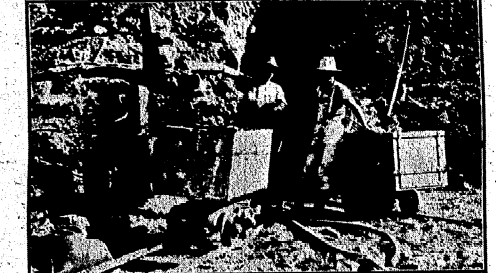
This 100,000 pounds of freight comes for the mines, merchandise for our prosperous merchants and the delivery of aids and aids for National camp. There are a number of large freighters into camp besides "Frey's Big Mule Outfit" and all are taxed to their utmost capacity in supplying the needs of this greatly improving rich mining camp of northern Nevada. This tells a fact more potent than romances.

Buckskin Belching Good Cheer.
Joe Schloss was over to the Never Sweats mine. It was a hard trip for the old man, as he had to buck plenty of snow. Upon arrival he found his partners hard at work. They are sinking and are now down twenty feet with the shaft. The prospect looks very good. The ore in the shaft runs very high in silver and some gold. Joe exhibits some of the rich silver ore encountered on the Never Sweats. It is spotted through with native silver, giving it a beautiful polka dot appearance, and it carries byproduct values of

Jesse L. Workman makes the following statement:
"In order that the public may understand something of the nature of the townsite question in National, I venture these unblatant facts: During the year 1907, in company with Lew Davis, I entered the district now known as National for the purpose of prospecting it and found it to have all the earmarks of a future mining camp, but without a momentary cessation of the prospector prior to our advent and covered by the typical vegetation of this latitude and altitude of the semi-arid mountains of northern Nevada, consisting principally of sagebrush, its formation appeared to me as a most likely place for valuable ore, of which I soon found at several points and which I located as mining claims. Being the pioneer I had my choice of ground and selected the best surface showings.

At the beginning of 1908 development work began and the camp began to make good. People commenced to come in and a townsite was started on some of my claims according to prior customs and law in this State. In 1910 others began to scheme to annul my right to the ground and rob me and profit thereby, by establishing a government townsite. Now the question is this: Can they take away the surface rights to a bona fide mining location, made in good faith by the original discoverer of the camp prior to any location made by others, or is he the hound that trails the fox?"

Prime Standbys of National.
P. W. Campbell, of the firm of Campbell & Rea, informs The Miner of the offer of \$20,000 of claims made for the Oregon Rose group of claims, four in number. The Oregon Rose group almost adjoins the fine Shiloh group on the south, which was purchased by Campbell & Rea and Geo. H. Snowden of Seattle some time ago. This offer of \$20,000 again shows the confidence of these practical miners and high-class operators in National. Campbell further stated: "We are desirous of acquiring all ground making a southerly trend from the now famous National company's ground to Three-



HYDE LEASE, NORTH END NATIONAL MINES CO.

from the floor of the tunnel to the bottom of the Stall shaft. As soon as the raise is made a crosscut will be run west to tap the vein and a compressed air or electric hoist will be installed under ground and a deep winze put down on the pitch of the vein, while drifts will be run both ways along the vein, thus at every foot blocking out many tons of additional ore reserves. The total of all excavations in this wonderful mine, in running, filling, including shafts, raises, levels, winzes, tunnels and all connections, aggregates 10,000-foot in length, nearly two miles.

It is almost impossible to convey in an article of this kind any adequate idea of the vastness of the work that has been done in the short history of this mine to date. The ore reserves or any conception of the future possibilities of this most wonderful mine.

The Wealth Hunt Cannot Be Completed.
The output of this property is limited by the mill capacity only. The



B. C. Scotton and J. G. Snyderacker.

Have Recovered and Will Be Back.
The Stall brothers, so prominently identified with the development of National and now regaining their health at Marysville, Cal., it is reported will be back to National after the holidays. The Stall lease has become known nation wide as the rich lease of northern Humboldt county and sunlight attraction of National. The fortune that the Stalls made out of National is out withdrawn from the National mining district. Their interests here are extensive, comprising a controlling interest in the National Consolidated Mining company, the Canyon Creek property, the Pluto Princess group, the Eagle ans, three claims, the Tip Top group, comprising the Tip Top, Apex, Blackbird, Silver Bar, Lone Star, Red Bird and Anchor claims. This group belongs to that fine combination of the seasoned prospector and mine finder, the Walker brothers. Two shafts of forty and sixty feet deep, a tunnel and the customary trenches and surface cuttings convey the extent of the work and reveal the pronounced importance of the group. This work shows at many points the same kind of vein traversing the National and likewise returns those silver and gold values that indicate fine property and of such a grade as to induce extensive work in opening up the ore bodies that the limited work indicates as existing on the Tip Top group.

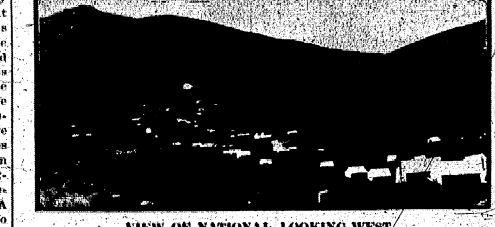
Tip Top and Jewsharp Bells.
Not all the good things of the National mining district are simply located on Charleston hill. Other auspicious and pretentious hills are Auto and Radiator hill. From preliminary signs these are the most favorable prospects in the National mines. All the great mineral facts and formative conditions that Charleston hill did before the day's end of the mountains ventured into its vitals and laid bare the dazzling and astonishing wealth of that fortress of gold and silver and buried until man with the force of dynamite and the magic power of his direction, brought it into the limelight and thereby made it of use and benefits in the arts and commerce.

North of Radiator and west of Auto hill is the Tip Top group, comprising the Tip Top, Apex, Blackbird, Silver Bar, Lone Star, Red Bird and Anchor claims. This group belongs to that fine combination of the seasoned prospector and mine finder, the Walker brothers. Two shafts of forty and sixty feet deep, a tunnel and the customary trenches and surface cuttings convey the extent of the work and reveal the pronounced importance of the group. This work shows at many points the same kind of vein traversing the National and likewise returns those silver and gold values that indicate fine property and of such a grade as to induce extensive work in opening up the ore bodies that the limited work indicates as existing on the Tip Top group.

Have Fine Leaschold.
The Crawford Leasing company, organized under the laws of Utah and capitalized for \$20,000, is operating in the National district and has 400 feet along the Mayflower vein south from the rich Edmunds lease on the same claim. A crosscut tunnel on this leasehold exposes a number of fissures with a fine mineralized matrix, and from five to six inches of gold-silver bearing quartz along the fault with the vein filling between the walls assays \$10 gold and 40 cents silver. The company is running a drift shaft to intersect a shoot of ore at 150 feet depth and likewise sinking a shaft on a parallel vein that on surface and so far in exploratory shaft returns very flattering values. The company has established winter camp and with blacksmith shop in shape to do the repairing are prepared to light it out of the lines mapped all winter. The Crawford company has good ground.

There is No Doubt About It.
Events are fast catching their own momentum. It will not be long until National will be the mining glory center of all the West. Developments all along are fast revealing the line where concentration upon one vein will be the result as to new discoveries. The rich ore bodies in place and the new conditions are strongly in direct support of the National mining district as the greatest of all discoveries.

For National Defense and Other National Mining Items and News See Pages Two and Three.



VIEW OF NATIONAL, LOOKING WEST.

Will Practice at Lovelock.
R. M. Hardy, the prominent and able young attorney, and brother of our esteemed townsmen, Dr. Hardy, has opened an office for practicing at Lovelock, Nevada. As a member of the bar R. M. is as capable as his genial brother is able in the practice of his profession as physician and surgeon in relieving the distress of the sick and injured.

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John E. Pelton and C. W. Buckley.