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NEW YEAR'S MINING EDITION

VOLUME 3.

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NUMBER 121.

RICO SILVER MINING CO. OF COLORADO.

of which only 12,500 shares are issued at this date, and 12,500 full paid non-assessable shares

has a capital stock of 25,000 shares of \$10 each, of which only 12,500 shares are issued at this date, and 12,500 full paid nen-assessable shares still remain in the treasury for working capital.

The Directors are J. J. West, Chicago; W. H. Burghardt, Rico, Colo.

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The Company's property is situated at Rico, Dolores County, Colo., and consists of The Puzzler Mine; in Horse Gulch, with surface ground 1,218 feet in length, and 283 feet in width, containing 7.91 acres, for which the Company has secured the United States patent.

The Puzzler lode is a true fissure vein, running centrally through the claim, its direction being northeast and southwest; the country trock is limestone, sandstone and porphyry; the work already done on the lode consists of adit No. 1 running in on the vein 75 feet, and shaft No. 1, sunk from floor of this adit to a depth of 55 feet; the vein measures 6 feet, 6 inches in width; the walls of the lode standal most perpendicular; the vein matter and gangue is composed principally of mineral stained, partly decomposed quartz, with some carbonate of lime; the ore comprises galena, black sulphurets, zinc blende, iron pyrites, oxide and carbonate of fron and lead, silver and gold; some assays which have been made yield as follows: 84 ounces silver, 1-6 ounce gold; 334 ounces silver, pounce gold; 344 ounces silver, pounce gold; 344 ounces silver per ton.

In addition to the Puzzler lode, a distinct and separate mineral vein running diagonally in a

The distinctive features of this Company are: its comparatively low capitalization; its proportionately large reserve of working capital shares; its economical, practical and watchful management; the fact that the money received from the sale of shares is actually expended in developing the property of the Company; and the especially noteworthy fact that shares already issued are not transferable until after the Company has paid its first dividend. The RICC SILVER MINING COMPANY OF Corticle of the Company has paid its first dividend. The RICC SILVER MINING COMPANY OF Corticle of the Company has paid its first dividend. The RICC SILVER MINING COMPANY OF Corticle of the Company has paid its first dividend. The RICC SILVER MINING COMPANY OF Corticle of the Company has paid its first dividend. The RICC SILVER MINING COMPANY OF Corticle of the Company has paid its first dividend. The RICC SILVER MINING COMPANY OF Corticle of the Company has been discovered by an open cut and an incline shaft. The gangue and ore near the surface consists of quartz, calc-span, decomposed smalls of quartz, calc-span, decomposed smalls of quartz, calc-span, decomposed smalls with a surface consists of quartz, calc-span, decomposed smalls of quartz, calc-span, decomposed the surface consists of quartz, calc-span, decomposed smalls of quartz, calc-span, decomposed to the surface consists of quartz, calc-span, decomposed to the surface consists of quartz, calc-span, decomposed to the surfac

Editorial article from the Chicago Mining Review:

We have much pleasure in calling attention to the advertisement of the Rico Silver Mining Company of Colorado, which appears on page 13 of this paper. The management of the company is in first-class hands; its President and largest stockholder, Mr. J. J. West, has been an active and successful merchant and importer in Chicago for many years, and is a man of sterling business integrity. Mr. S. H. Burghardt, one of the Directors of the Company, and its Mining Superintendent at Rico, is one of the County Commissioners of Dolores County, and is a practical, experienced miner and prospector.

The Company's property is situated at Rico, Dolores Co., Colorado, a young and rising camp which has attained a most prominent position, owing to the fact that its mines contain ore in large quantity and of high grade, which can be taken out at very small cost.

The Hog-back is not being worked so vigorously as its neighbor, the St Louis, and has not attracted so much attention; but it is not far behind in the quantity and character of ore. It was discovered by Breckenridge & Son in a gulch on the southeastern slope of Expectation mountain. From the point of discovery, tunnels have been driven eastward and westward for about 100 feet each, and from the end of the latter a winze has been sunk to the depth of 25 feet. The vein is from 2 to 4 feet wide. The ore is a high grade of galena and carbonates, averaging 40 per cent lead and from 100 to 120 ounces silver per ton. It lies low on the mountain and can be easily reached by a good wagon road.

The Rico, and Rico No. 2 are parallel claims situated on the Silver creek side of Nigger Baby Hill near the Phoenix and Grand View. The development of the first consists of a 12 foot cut, and two shafts of 20 and 15 feet. The latter is opened by a shaft 35 feet deep, disclosing a true fissure vein five feet in width between solid walls. The ore is galena vein, carrying silver and iron, antimonial silver and running 2 ozs. in gold and an average of 62 ozs. of silver per ton. It was owned by Summa & Roe, who sold a } interest to Messrs. Drennon & Werk of Kansas City, for \$3,000 before any development was done.

Of several good properties in the vi-cinity of the Grand View and Alma Mater, which only need development to prove their value, the Silver Wave is one most promising. Its owners, Messrs. Drennon & Werk of Kansas City, and Summa & Roe of Durango, expect to spend considerable money on it next season, feeling confident that by so doing it will turn out as good as its neighbors. The pay-streak of carbonate ore is next to the lime wall and assays from 28 to 75 ozs. The only work done is a 20 ft. shaft.

Among the new mines in Rico coming to the front as ore producers and attracting some attention, is the Peck mine, owned by Summa & Roe, and Parsons & Lawton, all of Durango. It was located by Harry Irving on Telescope moun-The vein is over five feet wide, in cluding two pay-streaks, one of 18 inches on the foot wall running 160 ozs. in silver: the other 2 feet wide, assays from 25 to 450 ozs. The ore consists of galena, sulphurets, carbonates and oxide of

The Columbus is situated on the eastern slope of Expectation mountain, south the present owners, the former being one of the St. Louis. It is the property of Summa, Suydam, Roe and others. little work has been done beyond the regular assessments, and these in three tunnels of 10, 20 and 30 feet respectively. The vein shows six feet of carbonate ore from \(\frac{1}{3} \) of a mile back from the river which runs \$4 in gold and 45 ounces in

The Chicago Tunnel Co. own two sites. One on Silver Creek, on the south side of Telescope. A tunnel of 270 feet is run here, which will cut five different veins in 600 feet, one of which has already been cut, six feet in width, which assays Chicago Tunnel No. 2 is on the west side of Telescope mountain, and now has a prospect tunnel run 100 feet.

The Double-Six has a tunnel 58 and an other 46 feet long and a shaft 10 feet deep, all in mineral. Width of vein is 5 feet as shown up in one of the tunnels, and in the other is a crevice of 8 feet, with 2\frac{1}{2} feet of solid copper, iron and a Forrest, Keystone and Grand Duke mines. little galena. Character of ore in balance These properties are of about the same

Rico Mountains Mining Company. The following description of the property of this company is taken from their circular, printed before this year's work Hill and Dolores mountain, which have was done. As nothing more than a mere assessment was done on each lode, it is about the same as then:

The Ruby Crown lode has a well-defined fissure vein with two good walls. Vein matter is spar and argentiferous ga lena and widens with each foot of develpment. Further down the divide from this lode are the well known mines, the Grand View, Hope and Cross. All developed prospects in this vicinity have become valuable mines.

The Crystal Crown lode to the north of the above has a well-defined silver quartz vein

The Dyke lode, north side of Silver creek, quartz vein 14 inches wide, assayed 15 ozs. silver per ton on top, lies oppoknown Black Hawk and site the well Black Demon lodes.

The Herrick lode-well-defined quartz with pyrites of iron and copper, carrying | matter is tale, the same as is found in the well-known mines Sinbad and Petzite in Horse gulch. A fine mill-site on Dolores river is located in connection with the above.

lode, two-foot vein decomposed matter, ing just across the Silver creek bridge bearing silver, is an extension of the Comet lode, which assays over 20 ozs. silver, with a trace of gold per ton.

The Sixty-Six lode adjoins the celebrated Puzzle lode on the east and assays of Ave. and Commercial street, just in the 440 ozs. in silver have been obtained from it.

The Triangle lode has a four-foot vein of decomposed matter carrying galena and iron and assays 32 ozs. silver. The Lowell lode. A good tunnel has

peen started and the claim shows well.

The Hope and Cross Mines.

On the Hope there is an incline of 108 feet, and a cross-cut level from this incline shaft, of 100 feet, and a tunnel from surface, of 40 feet. Vein 6 feet and pay streak 1 foot wide, which runs from 75 to 800 ozs. silver per ton.

On the Cross, which adjoins the Hope. an 8 foot vein, which has a pay-streak of 2 feet, assaying from 50 to 1,000 ozs. silver per ton. The Hope and Cross mines are two of the oldest locations in the district. Interests in these mines have been sold for large sums of money. Messrs try. He showed his faith by sticking his Chas. Humaston and Angus Smith are feet into snowshoe stress in the month of of the original locators.

The Black Diamond Coal Field

comprises 320 acres and is situated about 6 miles from town up the Dolores and is on the west side. It has a 24 inch vein of bituminous coal, the product of which was used to furnish coke for the Grand View smelter. A tunnel on the property s in probably 60 feet. It is owned by J P. Norton, Amos Lane and Julius Thomp-

The Rico Silver Mining Co. of Colorado. and correct description of its properties, its purpose and all facts concerning the rganization in its advertisement we will simply refer to it and avoid repetition. It appears in the upper left hand corner of this page.

On Dolores mountain are located the character of deposits. An open cut of and laid off into streets and numbered Assays have been had ranging 35 feet on the Forrest, exposes a fine vein from 10 to 97 ozs. Location of the claim of mineral. The Grand Duke is developis in Horse gulch and it is owned by D. ed by a 65 foot tunnel and shows a con-A. Cook, J. P. Scott and other parties in tact vein 6 feet in width, assaying from log cabins were erected on the lots secured 15 to 50 ozs. silver.

Mining Region.

During the space of time between 1869 and 1879 what has since been known as a meeting was called and the sensible the Pioneer Mining District was vaguely known as a low grade mineral camp. ing the advantage of being euphonious, The first persons known to have penetrated into the Dolores country were A. W. Begole and Pony Whitmore who came | Spanish in origin. in 1869 prospecting for gold. They staked off the claim immediately across the river now known as the poison tunnel, and afterwards abandoned it, probably owing to the carbonic gas which they had to contend with. In a mournful companionship, this and other claims | Sandy Campbell and others and the still stand as in the early days, the floors Phoenix and Yellow Jacket from John of the short workings being covered by dead snakes, rats, bugs, birds and various specimens of insect and animal life, which flew or crawled into the yawning sepulchre of death. All these claims are located immediately across the river from View and Rico mining companies. He the present town of Rico and are very near the bed of the stream. Pony Searl was also one of the early explorers of this section. From the date of the vacation of this vicinity by the men before referred to very little was known of the Dolores country by even its intimate neighbors of the San Juan country. An occasional prospector would probably stray into this then unexplored region, but the number who yearly visited it would not exceed twenty five venturesome souls, and during the long winters the cañons, valleys and mountains were wholly given up to the dismal howlings of the snow-burdened wind as it soughed that we have mines here that cannot be through the swaying trees.

It is supposed that long ago some at-

tempt was made to prospect and work some persons were here by the remains of the old crude adobe smelter just across Silver creek. Whoever they were, made locations on what are now Nigger Baby since been relocated and are at present known and worked under other names. The remains of the adobe furnace referred to may yet be seen and was evidently erected for the purpose of treating the ore from the Atlantic Cable and the other one or two locations spoken of-the furnace having been erected on the Atlantic Cable ground by Mexicans and in Mexi can style. A company, principally composed of officers stationed at Fort Defiance, on the line of Arizona and New Mexico, was organized late in the fall of 1870 or spring of '71 who endeavored to work the Atlantic Cable, but were driven away by Indians. R. C. Darling was one resident of Rico, and consequently on him rests the proud honor of being the only real and genuine pioneer of Rico, and Pioneer Mining District. He returned the following year ('71) and occupied the cabins which had been built in 1869 by The Carboneta lode near the Herrick his party. One of these remains standand near the remains of the adobe smelter; the other was torn down last year and was erected on a spot between Glasgow rear of the place where Darling's frame house now stands. Between the years 1871 and 1878 Mr. Darling was a kind of wanderer upon the face of the earth, as all prospectors are, and returned in '78, to find that no one had invaded the spot of his former explorations. He relocated some of the old property, made some new locations and went to work in earnest. During this year Sandy (Alex) Campbell, Jno. Glasgow, Ed Doyle, E A. Robinson, Charles Humaston, John Schall, same mine with Sandy Campbell on Sulsessed of but one idea-the Dolores coun-February and with a sack of grub on his

In the following May, June and July the glowing reports which have been so amply justified by investigation, began to gain circulation and brought many a prospector to this section and as the summer ripened, prospectors and prospect holes. pick and shovels, burros and pack-mules, camp-kettles and frying-pans all added their quota towards evidencing an active As this company gives a full, complete out-door prospecting life. In July a miners' association was formed and a constitution, by-laws, rules and regulations were adopted and the mining district received the name Pioneer. Previous to this time no town had been thought of, but it soon became necessary to look into this important matter and as soon as possible a town-site was surveyed, sub-divided lots and between the 1st of August and the 1st of September over 100 one-story by the owners Previous to this time the one foot vein of carbonates. Silver 35 ozs. Ransom and A. M. Friend.

Brief Historical Review of the Dolores camp had been known by three different names-Dolores City, Carbonateville and Rico, and to put an end to this confusion choice of the conclave was Rico, possessshort, original and expressive, meaning, as most people are aware, "rich," and is

On Saturday, August 16th of that year, (1879), Senator Jones and party arrived from Nevada, and on Sunday and Monday visited several mines and on the afternoon of the last-named day completed the purchase of the Grand View from Glasgow. Price paid for the Grand View was \$60,000. Jones, or his agents, subsequently bought the Pelican, Major, Aztec, Wide Awake and Columbia lodes, which are now the properties of the Grand also organized a smelting company, which paid 12 cents freight per pound for their machinery from the then end of the railroad (Alamosa) and completed the Grand View smelter last year, the doings of which are related elsewhere in this issue.

Two and a half years ago where Rico now stands there were two rough cabins, occupied by a few men. Rico is the youngest and at the same time the most thriving, enterprising and prosperous mining city of this section, and has risen to its prominence through the merits of its mines alone. A perusal of the mining intelligence will convince the skeptical equalled in number and extent.

Rico will have the D. & R. G. railroad before another year. On last Monday mines here and it is clearly shown that morning regular passenger trains began running to Carson's, in the Animas valley, 32 miles distant from Rico by wagon road, over which daily stages transfer passengers, mail and express to this point.

Durango, the southern metropolis, is 47 miles southeast of Rico. This city is the commercial mart and supply center of all this section and in that relation will always be a bustling, thriving city. Its citizens and business men fully understand and appreciate the mineral wealth of this district and recognize the importance of the business relations between the two cities. To us do they look for their support and their prosperity is identical with ours. They do not lean upon a broken staff and their faith is well founded.

In collecting so large an amount of mining news as we publish to-day, we were compelled to accept as truthful the of the party and is the only one now a statements of many mine-owners, and while we have been diligent in trying to secure exact facts and nothing more. there will probably be some misstatements We cannot lay claim to having each mine and prospect correctly reported, when receiving our information from those directly interested. While the majority of the intelligence is correct, we being either personally acquainted with the mine or the reliability of our informant, still there are a few whose faculty of exaggeration (to eall it by no worse name) when speaking of their prospect holes, is so plainly visible that we cannot publish them without this warning to read-We regret that it is necessary to say this and hope that in the future the very small class referred to will tell the truth. the whole truth and nothing but the

In this issue of the NEWS, the publishers expected to be able to give an account of at least balf of the mines and prospects of Pioneer Mining District, the amount of development, mineral products several Ouray parties and others came in of the ore producing mines, mill runs, there is an incline shaft of 250 feet and and made locations. We worked in the assay tests, and the general condition of the properties, so that our readers might tan mountain, San Juan county, during be enabled to form an intelligent idea of the winter of 1878-79 and he seemed pos- the present condition and future prosperity of the district. We present a large number of mines and prospects tofeet into snowshoe straps in the month of day, which is estimated at one-fifth of the actual number of locations in the district back, started out for his mines. He has proper. Owing to the absence of many owners of properties here, we have not been able to give information regarding some of the most valuable mines. In future we will be pleased to give the facts regarding properties which do not appear in this issue, and will give especial attention to these and the progress of development on any and all mines.

WHEREVER we say in this paper that such and such a vein assays so many ounces, we mean ounces in silver per ton. In cases where gold occurs we always designate. For the information of those who do not know the value of a silver ounce, we will state that it is at the present time \$1.13%; an ounce of gold is reckoned as worth \$18. For instance, if a mine mill runs 2631 ounces silver and 89 ounces gold, the value of a ton of such ore is: silver, \$298.08 plus; gold, \$1602; total, \$1900.08 plus.

MINING MIDGETS Georgie has a 50 foot tunnel, with a 5 foot vein that runs well

SBW has a 10 foot cut with a 4 foot vein, assaying 9 to 200 ozs. The Crap, on Dolores mountain,

new discovery, showing up well. Nonpareil has an 18 foot tunnel with a pay-streak of 3½ feet, assaying well.

Goldsmith Maid has a 25 foot shaft on a 30 inch vein which assays 158 ozs. North Star has a 30 foot tunnel on a four foot vein assaying 60 ozs. silver.

La Clede has a 25 foot cut and 30 foot shaft with a 4 foot vein assaying 40 ozs. On the Solid Democrat there is a 20 foot cut, with a 5 foot vein assaying 20

Little Queen has a shaft of 63 feet on 3 foot vein, carrying from 40 to 60 ozs.

Charles Henesey has a 20-foot cut with 4 foot vein which assays from 6 to 17 Alma has a shaft of 30 feet on a vein

of 5 feet in width and assays 25 ozs. silver, 2½ ozs. gold. Dolores City has a shaft of 25 feet upon a vein of carbonates 2 feet wide carry-

ing 43 ozs. silver. Little Pittsburg and N B have 25 and 15 foot cuts with 31 to 5 foot veins as saying 13 to 30 ozs.

Louisiana has a tunnel of 12 feet and shaft of 12 feet. Vein and pay-streak 2 feet. Silver 53 ozs. On the Dutchman there is a 12 foot cut and 25 foot shaft, with a 31 foot vein, as-

saying 190 to 300 ozs. Blue Bird has a 25 foot tunnel and 25 foot shaft, on a 2 foot vein, which assays

8 ozs. silver, 71 ozs. gold. Vogly, Frankfort and Mary Kawsey ach have a 20 ft. tunnel with veins of 3 ft.

and assay 12 to 46 ozs. silver. The Hidden Treasure, about 500 feet pelow the Grand View, has a 50 foot tunnel which shows a fine vein of mineral.

On the Scott, Smith, Brooks, Gilbert and Trident, there are veins running from 2 to 7 feet in width, assaying from 20 to 383 ozs. Lady Gay and Mabel Gray each have

about 25 ft. of development in cuts, shafts and tunnels with veins from 2½ to 4 ft. assaying 8 to 40 ozs. Maid of Athens has a pay-streak of 18 inches of galena. A tunnel and shaft of 20 feet is all the development upon this

claim. Silver 50 ozs. Sinbad has a 60 foot shaft with a five foot vein, which assays silver 25 to 4000 ozs., gold 1 to 70 ozs. Work is being

done on this at present. Papoose has an open cut of 15 feet and a shaft of 20 feet on a five foot vein. Assays 20 ozs. silver and ½ oz. gold, and is

Gold Spring, Mollie Burns and Marshal each have 25 foot tunnels with veins 13 mineral. Had it not been for the fact inches, 4 feet and 5 feet respectively, as that in this district, the mines have been saving 15, 10 and 12 ozs. silver.

Maggie shows a six foot vein of sulphurets and decomposed quartz. Large assays have been had and with develop-

ment will no doubt prove a good property. On the CB & Q is a 30 foot shaft with a 4 to 10 inch vein which runs 40 to 250 ozs. in silver and 1 to 2 ozs. in gold. This property belongs to the Dolores Valley Mining Co.

Nevada located on the bench about a thousand feet from the Puzzle has a 4-ft vein of quartz and manganese. A thirty foot shaft is sunk on the vein, and assays from 20 to 33 ozs. silver.

On Elliott mountain is the Black Dia mond, the property of the Rico Mining Co., of Chicago. On it is a tunnel of 145 feet, with a vein of mineral 4 feet in width, assaying 9 to 140 ozs.

R. & B. lode is up the river on Elliott mountain and shows a 2 foot vein of galena which has assayed 40 ounces near the surface. Owned by W. G. Waring, J. W. Randel and H. Bartholomew.

The Pensylvania is an extension of the Omaha on Dolores mountain and is development by a 14 foot open cut. Width of the vein is 18 inches and character of ore is spar and manganese. Owned by Harrison How.

The Glendon is situated up Horse gulch about ½ mile from the Puzzle on the Expectation mountain side. It is developed by a 30 foot tunnel, which shows a vein of quartz and a soft gray matter. Owned by Tom Carroll and D. A. Cook.

On the Silver King, Pearl, Guthrie and Wash-tub, considerable work has been done, proving beyond a doubt that they good and true veins. The San Juan No. 9 and 10 each have a 50 foot shaft. On the Ida G. there is a 30 foot

Governor Crapo is situated on the southwestern slope of Dolores mountain and s developed by a 24 foot tunnel, showing a 40 inch vein of quartz and manganese, assaying about 75 ounces on an average. Owned by R. J. Penoyer, of Ouray, E. H. Ellenwood and S. M. Ransom.

Sunrise lode is claimed by one of its owners to be an extension of the Sunlown and was located late last fall by Hiram Heath, who also located the Sundown. Work will be commenced early in the spring by its owners, Daye Beidler, A. K. Prescott and T. K. Trudell.

Carbonate Spring lode is located on Dolores mountain about 1500 feet north-east of the Newman and is developed by two tunnels, 150 and 52 feet respectively showing a 9 inch vein, assaying as high as 47 ounces. Character of ore is galena Niagara has a shaft of 25 feet upon a and yellow carbonates. Owned by S. M.

The Days of 1879. THE DOLORES NEWS commenced its

publication before a half-dozen log houses received their dirt roof coverings, the date of its first issue being Thursday, August 21, 1879. John R. Curry was the founder and proprietor until April 30, 1880, the first seven numbers being printed in the La Plata Miner office at Silverton, of which Mr. Curry was also proprietor. In the meantime, and while waiting for the new machinery and types for the NEWS, to arrive in Rico, a tent was secured here, which was pitched and spread out its wings, and in this the business of the office was conducted for more than a month. No table, desk or chairs were to be had and there were no mail facilities. A log divided in half with the smooth side up served for a table, and a candle box was the editor's easy chair. A soap and cigar box held the papers of the concern, and formed a fitting accompaniment to a dirt floor and canvass roof. Cooking utensils and grub (bacon and flour) occupied one corner, a water bucket and a variety of miscellaneous stuff held undisputed sway over another, and blankets for a bed filled the corner not taken possession of by the table. Under these circumstances. was the NEWS born, and from these has it risen to its present condition. The former proprietor secured the services of two persons to grind out an apology for a newspaper-an editor and business manager, who fell early in the fightand the present junior as common laborer, upon whom befell the misfortune of performing all the labors incidental to the publication, viz: Dragging fire-wood one mile and a half down the mountain. chopping it and keeping up fires, climbing the mountains, over, under and through the snow, to the miners' cabins, to procure provisions on which to subsist during Rico's famine of that winter, cooking the few morsels of food that could be obtained, scissoring exchanges. which arrived regularly by the semi-occasional mail line, and offering rewards for news items concerning the mines, writing favorable mention of the possessors and givers of something which would satisfy lunger, setting type, making up forms, doing press-work (printing), mailing, answering letters of inquiry, giving instrucions in penmanship, and acting in the capacity of heavy, medium and light editor, general manager, high cockalorum and common slave. Then there was the organization of a Sunday school, and other extremely pious and important matters to attend to. So long we have lived to battle with the obstacles encountered in this new mining town and district, to learn and love our friends and despise our enemies. We greet you all. A happy New Year.

DEVELOPMENT in Pioneer Mining District has proven most satisfactory, with only an occasional exception, where the work has been performed by inexperienced hands. Invariably, the greater the depth, the more valuable becomes the comparatively easily and cheaply developed, we perhaps would not be able to state truthfully, as we positively assert, that no other mining camp ever possessed so many mines and promising prospects, with so great an amount of development as Rico does, at the same age.

In framing our reports of the mines for this issue we have studiously avoided any unnecessary and superfluous comment, preferring to give plain, unadorned statements of width of vein and pay-streak. character of ore, assays, mill runs or other tests and all facts that may help the reader to form a correct idea of the mine. and then let him deduct his own conclusions. A man at all familiar with mines and mining cannot fail to form a good idea with all the facts before his eyes.

THE town of Rico contains 320 acres, being one mile long and a half mile wide. From this area is to be deducted the surface ground of a few lode claims which enter upon it. Whether the mill-site claims will hold or not will soon be decided by the General Land Office at Washington.

The Nora Lilley

s situated on the western slope of Nigger Baby Hill, near its base and joining the grounds of the smelter on the west, its workings being about 1200 feet from the smelter. Is developed by a 75 foot tun-nel on the vein which is 5 feet between walls with paystreak of 10 inches; assays have been had from 60 to 168 ounces A mill run made at Grand View smelter gave \$117 in silver and 24 per cent lead, character of ore is galena and sulphurets. It is owned by Jos. Castello, W. H. Sockrider and Chris Coogan, who had an opportunity to bond to good parties for \$50,000, but refused to do so.

Blue Jay, a claim which conflicts with the Wabash (its owners having adversed the Wabash application for patent) is situated on the western slope of Telescope mountain, and has been developed by one tunnel 30 feet and another 60 feet long. Vein has varied from 5 to 8 feet in width and carries carbonates of iron, and lead, assaying as high as 30 ounces in the upper tunnel. Owned by W. H. Sockrider, Burr Culver, L. D. Coulter and E. D. Morgan.

Mary Alice on Expectation, is owned by Marshall, McCune and Foxhall. It has a 25 foot tunnel, showing a vein of 5 feet, assaying 26 ounces.

JONES & HARTMAN Editors and Publishers

RICO, COLORADO.

One copy three months

THE fact that millions of dollars have been invested at Rico already should be a sufficient guarantee to other investors.

cessful operation.

THE Dolores mining camp offers great inducements for the investment of small ter interest. A recent assay from this mine gave \$128,000 in gold. Work conor large amounts of capital, and a safe guarantee to the careful investor.

Rico, and mine-owners have begun the play no important part.

THE town is growing steadily, property rising in value, and before it is another year older, we will have about all the in a north and south direction. No drifts modern improvements and conveniences have been run from this chimney to asenjoyed by eastern towns.

that he has made a \$50,000 sale of Rico property, but does not enter into particu-Fars. He also says he will pilot the way from that point to the surface amountfor two mills in February.

rapidly increasing, and though the newly organized county embraces new territory, not long inhabited, it is in a prosperous condition, financially and other-

HUNDREDS of tons of ore were treated this winter, and when the smelter doubles or perhaps trebles its capacity in early spring, with the erection and op- gold. There is very little if any lead, eretion of at least one more smelter, thous- in the mineral, and one test made from eration of at least one more smelter, thousands of tons of ore will be smelted into silver bullion, at Rico next summer.

Ir has been determined by able mining and smelting men, of long, practical experience, that Rico ores can be smelted at a profit, and the low grade ores, containing a fair per cent of lead, are valuable for the reduction of higher grade ores, containing great quantities of gold and silver and a small per cent of lead.

ALL Rico has ever needed to warrant its success, is money and practical men to operate mining machinery. With the addition that is bound to follow that which we already possess, we will soon have a creased at least ten-fold during the year

SINCE the first publication of the NEWS much has been accomplished in the advancement and development of the town here broken off very abruptly but two years ago, large business houses and residence buildings now stand, and and lower tunnels. Crossing this contact there are 2500 tons of ore on the dump. covered with smelting and milling mining machinery, for the treatment of the high, medium and low grade ores of the camp. Silver bullion is now being produced from the ores of the camp, and a nel was run, and mill returns of the ore great quantity of gold is contained in the bullion. Mining and smelting at a profit has begun at Rico, to continue for years to come.

At the Grand View mine men are busfly engaged in stoping down ore. From per foot. The fissure veins carry quartz, the numerous mill-runs which have been made on this ore it is safe to announce the same character as the Leadville mines. that the ore makes an actual return of Mill runs of the ore have been made in ore in Pioneer mining, district has been so thoroughly and accurately tested as has this. It is the opinion of Mr. Hardess

The smelting returns show 48 to 446 ounfacilities for the carrying on of the mining imity. A vast number and variety of About 50 tons of ore worth \$60 to \$75 minerals find representatives in Pioneer per ton is on the dumps. Mining District.

The Sundown

about 1 mile above the Newman group, and 11 mile from town. It has a shaft on the vein 108 feet deep and a tunnel 217 feet long. At a depth of 72 feet the vein was cross-cutted and found to be 12 feet between walls, and at exactly 100 feet it was cross cutted and was 16 feet Silver are found. Owned by the Sundown delivered, showing that it is of practical Mining and Milling Co., of which stock use. A fine specimen of the coal may be seen at this office. Owned by Messrs. Trew Hayes and W. G. Waring.

The Homestake is at the mouth of Spruce gulch and has a tunnel 36 feet, showing a 20 inch vein; had two assays, one of 10 and one of 335 ounces.

\$50,000 from Chicago parties for a quar-Booms have lost their significance at a 3½ by 7 foot shaft, sunk to the depth of 65 feet. The shaft shows porphyry form- bridge. ation with boulders of quartz bearing legitimate business of mining. Wild-cat mineral in and through the ore body. rackets are forgotten, and the sharks The outer or western rock formation was lime, but the first 40 feet of shaft being carried down on an incline, left this formation. To this depth the ore appears to lie in a chimney form and being about 10 feet from east to west and about 6 feet certain whether ore lies beyond these limits. This ore body when first struck ED SUYDAM writes from Cincinnati, was capped with a heavy blue talc to the depth of 4 to 6 inches, and the same talc on the first level appears to surround the ore. The ore body has been stoped out ing to about one hundred and twenty tons. I wenty-five feet down from the first level THE population of Dolores county is the same body of ore has been exposed, but, as the drift has not been carried in, one cannot judge what its extent may be No ore has been taken from this point to

> 25 feet in depth, the limits of which are unknown. The ore from this mine is unlike any in the camp in its general character. consisting as it does of sulphurets, chlorides and black oxide of copper and large quan titles of gray copper, carrying silver and ore taken about 12 feet from surface

that. There is a vertical body of ore of

shows 30 per cent copper.

Only a small lot of ore—about two first taken out, and averaged about 100 ounces in silver and 9½ ounces in gold per ton. Numerous assays have been made as the working progressed, running from all mineral except 10 per cent of ore from 210 ounces in silver and 6 ounces in gold 210 ounces in silver and 6 ounces in gold to 13,000 ounces in silver and 600 in gold. silver and 18 to 67 per cent lead; width

The Newman Group the town site and no one of the claims is more than 1 a mile from the center of town. The veins all run parallel and the names of the claims which comprise the group are the Newman, Chestnut, Swansea and Swansea Extension, lying alongside of each other, running up the hill to the northeast. On the Newman is a 192 sufficiency of the articles needed, and the foot tunnel on the vein; a second tunnel present bullion product of from five to is in 90 feet, from the end of which is six tons of bullion per day will be in- sunk a shaft 50 feet; a third tunnel is 180 feet long. An 80 foot air shaft is sunk from the surface to connect with the Swansea Extension tunnel about 100 feet velopment a shaft 5 by 9½ feet and 100 from its mouth. A large contact vein feet deep, and 48 feet in mineral; tunnel crosses all the claims, lying horizontally 50 feet, with incline of 65 feet and drift under the mountain, the face of which is and camp. Where small cabins stood nels of an average depth of 150 feet ore body 90 feet; length 76 feet; heighth have been run on this vein-one on each 80 feet. One of the largest bodies of ore claim—with 900 feet between the upper in the mining world. It is claimed that the once barren mill-sites are now being vein there are on the Newman and Swan- Improvements-Ore house 23x135 feet sea claims true fissure veins, vertical, in whim house 32x32: shaft house 24x48: tersecting the horizontal vein at right boarding house 40x20; one of the finest in the Chestnut a fissure vein was found crossing it, on which eighty feet of tunmoved averaged \$250 per ton The Swan-sea extension has a 175 foot tunnel on the The location of these claims contact. is such that they are worked easily and cheaply. There is an unlimited supply of timber at hand, and the mining, timbering and logging are all done for \$5 galena and sulphurets and some chlorides. The contact carries sand carbonates of more than 100 ounces silver per ton. No 1879, 1880 and 1881 at the Silverton and Argo Smelting works. A good trace of that no other camp ever possessed such ces silver per ton. It will be seen from the location of the tunnels, their distance apart, their depth, and counting the payand smelting business as this one presents streak at 11 feet thick (a very low esti--an abundance of coal or wood for fuel, mate), that the owners have a very large plenty of water and a great variety of amount of ore in sight. It might be addores which form an admirable mixture. ed that no stoping has been done in the process of development, and the ore tak-It is really wonderful to note the various en out of the tunnels has paid all operoharacters of ore so widely and unrecon- ating expenses. Three good ore houses cilably different, lying in such close prox. and boarding houses have been built.

The Vista Grande Coal Field s up the river about 8 miles on the east is located on the southern slope of Dolologores mountain, facing Deadwood gulch, coal, free from dirt and shale, an analysis of which gave:

Volatile matter ... Development on this coal bank consists by J. F. Wannems of a timbered tunnel 100 feet long 4½x6 and A. M. Friend. feet in the clear; entry runs from near A 16 inch gouge has assayed the breast of tunnel 20 feet and a dump \$2200 silver. In the tunnel the vein has is 30x60 feet and a good cabin has been been cut at a depth of 150 feet and was erected. An abundance of good heavy mouth of Horse gulch, on the west side 12 feet wide; three blind lodes were cut timber is growing on the surface ground. in the tunnel before reaching the main In place of dipping into the mountain as and has a 16 foot shaft, showing a wellover 200 ounces. Character of the ore is claimed to be quartz, carrying chlorides expense. About 150 tons of the product Marrs, one-half. and pyrites of iron; specimens of native of this bank have been mined, sold and

The Alma Maters, Nos. 1 and 2 is one of the famous mines of the camp, are both among the co locations of the is situated in what are known as the lime gitimacy of its location, the Dolores Val June 29th, '79, and the owners shipped A. K. Prescott and M. A. Bean; they ley Mining company claiming it under the name of the Hawk, as against the claim of Messrs. Hull and Boaro under at Ouray—the total amount of ore shipped Or the large number of mining com- its proper name. Hon. Tom Patterson being about 75 tons. On the dump there panies organized on Rico mining proper- has been contesting the claim, having ac- are now 75 tons of ore that will mill 50 ties, several are under active and suc- quired a one-fourth interest for his labor, ounces. Character of the ore is carbonate which interest it is said he has refused \$15,000 for. Recently Mr. Hull, one of the original owners, has had an offer of work other than a mere assessment has View and Phænix, has a 50 foot tunnel which interest it is said he has refused of lead and chloride. Owing to litigation

Mining at Ophir.

The Silver Belle mine, located in Iron Springs Mining District, and owned by F. P. Morginson, is being worked steadi-Developments to date, on the mine, are as follows: One shaft 4x8 60 feet deep, connecting with a tunnel which is in 90 feet; drift to the west of tunnel 150 feet, drift to the east of tunnel 100 feet; winze in the east drift 65 feet; a winze is being sunk to a depth of 100 feet. The average width of first class ore in the drifts, winzes and shafts, is about 14 inches, the ore averaging about 200 ozs. silver (mill run). The entire workings are in pay ore. On the dumps there are about 40 tons of first-class and about 20 tons of second class ore, (second class averaging about 125 ozs. silver per ton). Mr. Morginson in sinking the 60 foot shaft extracted and sold over \$2000 worth Composition of the ore is: chlorides of lead, green carbonates of copper, heavy oxides of iron, galena and spar. The Silver Belle ranks as one of the first class properties of the great Ophir mining camp.

s owned by Gus Misch, John Eder, A. K. Prescott and S. M. Ransom and is located on the eastern slope of Expectation mountain about 1 mile from the river and runs northeast and southwest. It is now being worked under lease by L. Waldron and others, which six months lease will ons, has been milled. This was the expire about April 1st. An 80 foot crosscut was run to strike the vein and then an 80 foot incline tunnel was run on vein. Lessees are to do 400 feet of work and get of vein is 5 feet, with pay-streak of over 2 feet; character of ore is sulphate of is situated on Dolores mountain adjoining lead or anglesite (small, clear crystals). Ore has been sold to Grand View smelter. A smelting man gives it as his opinion that a cupelling furnace can be erected on the ground at small cost which will treat

The Wahash Owned by the Wabash & Democrat Consolidated mining company. Located June 28th, 1879; situated on Telescope mountain two miles north of Rico, about 1.500 feet from the toll road, and has a good wagon road to the mine. Deof 75 feet; right drift 36 feet, left drift 40 tun- feet, all in mineral. Developed width of angles. In developing the contact vein timbered mines in the state. The greater portion of this vast body of ore is low grade but free milling, assaying 5 9-10th ozs. gold, and 1,123 ozs. silver. Mill runs gold 1 2-10th and silver 231 ozs.

The Parole.

The Parole, owned by James Robins. Richard Johnson, one Williams and H. J. Caldwell, and situated on the northeast slope of Dolores mountain, one mile from Rico, up Silver creek, has a tunnel of 100 feet, with a 50 foot shaft at the breast, and an incline of 50 feet, 50 feet above the tunnel. Incline tunnel has a vein of 3 feet, and is the original location. Character of ore in incline is black manganese and galena, giving by mill run test 55 ozs. silver, and 26 per cent lead; tunnel has a fissure vein of 20 feet in width, with a pay-streak of 3 feet, as-saying from 10 to 72 ozs. silver and five ozs. gold, and 10 to 56 per cent lead. Average assays across the 20 foot vein, give 30 ozs. silver. Character of ore is lead carbonates. Width of pay-streak is one foot. Assays same as in tunnel. Improvements are as follows: A good cabshop, all convenient to the mine. A good trail from Rico to the mine.

The Uncle Ned

s situated on the ridge running from the and about three thousand feet from that McCarty. mine. Vein is about 4 feet wide, from bank of the stream and has a 30 inch vein | which an assay of 349 ounces was had; a ounces silver and 52 per cent lead.

The Wall Street

is up the river about ½ a mile above the of the stream nearly opposite the Wabash

and was located in June, 1880. It is camp and were staked on the same day—bluffs on Telescope mountain and has a bluffs on Telescope mountain and has a bluffs on the Newman group and the lode is described bluffs on Telescope mountain and has a bluffs on the Newman group and the lode is described bluffs on Telescope mountain and has a bluffs on Telescope mountain and has a bluffs on the Newman group and the lode is described bluffs on Telescope mountain and has a bluffs on the Newman group and the lode is described bluffs. and lies at the head of Horse gulch, on adjoining on the southeastern slope of vein about 50 feet deep. From the end sunk in the vein matter—a mass of blue ore decomposed quartz, carrying mangathe divide between the East and West Dolores. The view from the mine on a clear day is most beautiful and romantic, Mater No. 1 is developed by an incline of this tunnel is sunk a shaft about 40 gouge, which is of unknewn extent, the gouge, which is of unknewn extent, the of the tunnel is sunk a shaft about 40 yards above width of the tunnel not determining it. Assays have been had ranging from 40 to tension, on Expectation mountain, is the the country below stretching out as far shaft 110 feet; No. 2 has an incline shaft is traceable for 3000 feet and has been 120 ounces and the shaft will be sunk at as the eye can reach in hill and valley, teeming with timber and vegetation. From this point the traveller can view from No. 1 have varied from 70 to 248 manganese and galena, assaying from cabins. Mrs. Beverley R. Keim, of Phillocations on the same vein as the Gardina opened at other points showing it to be continuous. Character of the ore is cabins. Mrs. Beverley R. Keim, of Phillocations on the same vein as the Gardina opened at other points showing it to be continuous. Character of the ore is cabins. Mrs. Beverley R. Keim, of Phillocations on the same vein as the Gardina opened at other points showing it to be continuous. Character of the ore is cabins. Mrs. Beverley R. Keim, of Phillocations on the same vein as the Gardina opened at other points showing it to be continuous. equal portions of Colorado, New Mexico, ounces, but averaged 125 ounces. It can be deplained as the same of the control of the think they will have a good property soon and appearances would seem to justify them in the belief.

The Edith.

The Edith on the south slope of Nebeen done this year. Owned by S. M. and 50 foot shaft, and next Monday a Ransom, of Rico and Dell Parsell, Chas. shaft of 50 feet more will be begun, and P. Nutter, Chas. Rawles, Lewis King and there is a prospect of running a 200 ft. sists of an open cut on the west slope of H. J. Hammond, of Ouray, one-half, the cross-cut, which would require the time the divide, about 15 feet in length and remaining half belonging to New York of this winter to perform the work. A the Edith Mining and Milling Company, recently incorporated.

The Carbonate is situated on Dolores mountain about } mile from town and has a four foot vein of galena and lead carbonate ore, which assays from 50 to 253 ounces silver and 61 per cent lead. Development is a 25 foot open cut, from which 7 tons of ore were taken; the smelter treated 2 tons, which gave \$50.72 per ton. It could it is claimed, produce 10 tons of mineral per diem. Owned by A. A. Waggoner, Geo. S. Barlow, A. D. Demasters and August Rische. An adjoining parallel claim to the Carbonate is the Tex, which shows about the same stuff and has a tunnel 21 feet. Is owned by same parties as Carbonate and has assayed from 52 as high

The Robert E. Lee and Rico.

The Robert E. Lee is on Dolores mountain, adjoining and parallel to the Swansea and Newman and has a shaft 53 feet deep, which has struck the contact, from which assays have been had from 100 to 1,000 ounces in silver and from 1 to 20 ounces n gold; a sample of 25 lbs. sent over to Sweet's sampler ran 103 ounces silver and ounces gold. A parallel and adjoining ocation on the north is the Rico, which shows about same kind of mineral. A 50 foot tunnel on this claim has caved in and work was commenced in a new tunnel, which is in 22 feet. Both claims belong o A. D. Demasters, August Krille, A. A. Waggoner and August Rische.

Petzite.

The Petzite, opposite Elliott mountain, in Horse gulch, on Petzite creek, owned y Hiram Heath, Frank Morey and John Eggers, has a cross-cut tunnel 20 feet, with shaft of 50 feet at one end, and a cross-cut tunnel lower down, of 26 feet. Width of vein 4 feet, pay-streak 5 inches, assaying 12 ozs. silver and 4 ozs. gold,-412 ozs. silver and 10 ozs. gold, -3,400 ozs. silver and 73 ozs. gold, which assays were made in 1880. Character of ore is petzite (telluride of silver and gold) from which the mine was named. A mill run on a small lot of this ore ran \$213 in silver and gold.

Carlotta. The Carlotta, situated on the west side of Telescope mountain, about mile north of town, and about 200 feet feet and the other 45 feet on the vein, which shows lead carbonates, and an assay across the vein shows 98 ounces silver and 1 two-tenths gold and 43 per cent lead. The vein is about 6 feet in width; the owner has let a contract to sink a shaft on the vein; there is a large quantity of ore on the dump awaiting shipment; the owner is Joseph N. Bogert.

The Crown Point Mining Company wns the Pennsylvania, Blue-Jacket, Del Norte and Crown Point lodes. First named has a 5 foot crevice badly broken up and a 100 foot tunuel. Second joins the Aztec on the east and has a 70 foot tunnel. The third is on Expectation mountain above Piedmont, and has a 35 foot tunnel, showing iron-stained quartz. The last named has a 321 foot trannel and has some galena and white gouge. ator Dorsey and ex-Judge Thos. C. Bowen are stockholders in the company and Jno. Bissell is its resident agent, but has not got much to do at present.

The Sun-Up.

The Sun-Up lies on the west bank of the Dolores, just opposite the mouth of Silver creek and runs across the river and 750 feet into the town limits; 50 town lots are on the surface ground. Work is done in 6 different places on the 3 parallel n, one ore house and one blacksmith veins found on the surface ground; in all amounts to 96 feet, shafts and tunnels. Highest assay, 47 ounces; average assay of principal vein, 92 ounces; the width of this vein is 4 feet and 2 others are 3 feet each. Owners are George W. Porter, A. Alma Mater to the top of Telescope Mt. O. Terry, Julius Thompson and Daniel

The Harvey

mill run at Grand View smelter gave 241 is about two hundred and fifty feet from Are the Uncle Ned and has a 62 foot shaft now sinking an incline shaft, which is 65 and a cross drift from shaft 21 feet cutfeet deep; have some ore on the dump ting vein, from which assays have been which will average two hundred ounces; had as low as 21 and as high as 1016 character of the ore is galena. Owned by J. F. Wannemaker, Ned J. Bradley with no well-defined pay-streak, but has mineral throughout the entire vein in pockets; a mill run at smelter gave 69 ounces silver and 55 per cent lead; character of ore same as Uncle Ned. Owned by H. Garlichs and Ned J. Bradley.

The South Park

vein; they vary from 3 to 7 feet wide and is customary with coal banks here, this defined vein of 3 feet with a pay-streak is on the Dolores mountain side of Silver average about 30 ounces. On the foot vein inclines upward at an angle of about of 20 inches running from 40 to 160 ozs. creek about one mile from its mouth and and hanging walls are two gouges, one of 16 and the other of 10 inches; the min-of this fact in handling the coal. A good the vein and will probably have to run 25 ing a 3 foot vein, carrying a 6 inch payeral from the gouge is claimed to run wagon road will be built to the workings over 200 ounces. Character of the ore is next summer, which can be done at little A. W. Dunn, one half and Middelton & to 300 ounces. Owned by Jos. Castello

The Roanoke lode and mill-site are on Dolores mountain, about 1500 feet south

The Spanking Jack is situated just northwest of the Johnny Bull and the shafts of the two mines are only 170 feet apart. It faces on the West Dolores side and shows a vein 12 or 15 feet wide between walls, developed by a tunnel 95 feet and a shaft 70 feet. Assays for silver range from 12 to 1600 ounces, the majority going above 200 ounces and in gold as high as \$500 has been had. Character of the mineral is called sulphurets by one of the owners, who are J. A. Rob-inson, J. W. Randel, H. Bartholomew and the McNamara Bros.

The Black Demon is situated near the streak, but assays all the way from 27 to head of Allyn creek on Dolores mountain, 96 ozs. Character of mineral is galena and is developed by a tunnel 81 feet on and copper and iron pyrites. Sampled in the east in two lots, the result was respectively 60 and 94 ozs. Owned by the Edith Mining and Willing Company. dred ounces and as low as twenty. was located on July 12, 1879, and is owned by H. D. daPonte & Co., of Galveston, and Wm. May, who have applied for and almost obtained the patent.

> Iron Cap lode is about 1000 feet from the Bertha towards town and is developed by a 65 foot tunnel, showing a fissure vein that has been prospected by a 165 foot tunnel in the South Park which is an extension of the Iron Cap. Discovery shaft is directly under the Grand View. Character of ore is iron, copper and galin Horse gulch and has a 3 foot vein; lena, assaying \$64. Owned by Theo. about 8 inches quartz and remainder is a Barlow and Joseph Castello.

A group of mines in Calvin gulch up the east fork of Silver creek about 1 mile from its junction with the main stream, are owned by Theo. Barlow and A. O. Terry. On the surface ground of these mines is over 100 acres of the best spruce timber in the country. In the veins on the claims are found iron, copper and galena, assaying from 8 to 64 ounces.

The Montana is situated on Nigger ular assessments, and these in three tun-Baby Hill and is an extension of the Yel-nels of 10, 20 and 30 feet respectively; low Jacket, being the adjoining location on the east end. About \$500 has been which run four dollars in gold and 45 ozs. expended and shows a vein of 2 feet of silver. spar, galena, sulphurets and some claim that there is some bismuth in the ore. Assays from \$20 to \$200. Owned by Jesse C. Love and W. H. Sockrider.

The Dives is up Silver creek about 11 An adjoining claim is the Clifton. Ownmiles on Dolores mountain, and shows a ed by A. M Rogers; open cut and tun-20 inch vein, from which assays have nel twenty-five feet on a quartz vein; asbeen had from 77 to 263 ounces. It is says 60 ounces silver and as high as 31/2 one of the oldest locations of the camp ounces in gold, and has had only about \$300 expended Owned by Harry Kingsmille, John L. Haines, L. B. daPonte and Charles Humaston.

The Great Western is about 11 mile. rom town on the southern slope of Doores mountain in Deadwood gulch. It has a tunnel 35 feet, showing a vein of 3 feet, which assays from 51 to 75 ounces. It is a blanket vein, and owned by A. A. Waggoner, W. W. Spaulding, Mrs. E. A. Dickenson, James R. Mc.Junkin and J.

The North Star is owned by Gus Misch, south of the well known Wabash. There R. B. Adams and the estate of N. H. are two tunnels on this property, one 20 Love and shows about 4 feet of galena and copper, from which a sample was selected and taken to the smelter, giving a return of 168 ounces. Another red clay streak rnns from 31 to 62 ounces. A tunnel on the property is 35 feet long.

> Expectation tunnel is in 90 feet and is now being worked. It runs into Expect ation mountain about 750 feet above the Puzzle Extension and it is expected daily to cut the vein on which the Silver Heels. Hoosier Girl and Dalgarno are situated. Beverley R. Keim, D. K. Dunkle and Wm. Shaw are the owners of the property.

The Ivanhoe is in the main fork of Gueen, on Dolores mountain, shows a 4½ foot yeir, with a 2½ foot pay streak of Belzora. It is developed by an open cut carbonates mixed with oxides of iron and and a cross-cut tunnel of 21 feet which is manganese, assaying from 32 to 155 ozs. being worked and will be run 50 feet or silver; the work done consists of an inuntil the vein is cut. Width of vein is cline of 25 feet, which is tapped by a 6 feet, and assays \$12. Owned by W. L. Hull and Finney Jones.

ocations to the Bancroft, have about same has a tunnel 35 feet on the vein, which is character of ore and are owned by exactly the same parties. Assays from 11 to 71 ounces. Millionaire has shaft 40 feet and silver and 4 ounces gold; character of ore the Tyrone is now being worked; when a is galena and carbonate of lead. Owned cross-cut is 20 feet long, the owners will by J. W. Westcott, R. L. Klum and Frank commence to sink.

The Florence and Dauntless are two adjoining locations on the same vein in incline tunnel, showing a 3 foot vein as-Marguerite basin and have pay-streaks of 2 feet, from which assays have been had as high as 80 ounces. On the Florence is a 65 and on the Dauntless a 30 foct tun-Owned by Beverley R. Keim and Fred L. Downs.

The Gunshot is located about 21 miles 50 feet long. It is a contact vein and shows mineral everywhere which assays development. Character of ore is quartz. C. N. Cox, A. A. Waggoner and A. D. Demasters.

The Leftwick, on Expectation mountain, crosses the Bancroft at right angles foot tunnel on the vein, which is 6 feet at its west end and is opened by a tunnel wide, without any well-defined pay-streak, of 35 feet; width of vein, unknown; the but is a conglomerate mass of carbonate product is carbonate of lead and assays of iron and manganese. Owned by Dofrom 17 to 25 ounces. Owned by Joseph Castello, of Rico, and Wm. Connors, of and Chas. A. Cooley, one-fifth. Lake City.

and Milton Pulver. An extension of this claim, the Colorado Chief, has about cut and and a 100 foot tunnel. Width of has a 12 foot shaft and 20 foot tunnel. same character and grade of ore and a 20 foot tunnel. with a 6 foot gouge, foot shaft and 30 foot incline tunnel, and is owned by Thos. C. Young, of Colorado Springs, and Jos. Castello.

Cut and and a 100 foot tunnel. With a 6 foot gouge, which carries mineral assaying from \$27 to \$100 in silver and gold. Owned by L. F. Hill. A. G. Loomis and E. S. Williams.

The Daisy, is owned by Parsons & Arms located in Horse gulch, Expectation Garfield: tunnel 20 feet including open cut; carries silver; vein thought to be 5

The Vulcan up Silver creek about one mile and on the Nigger Baby Hill side is developed by a 85 foot tunnel and one 21 and one 15 foot shaft. On the surface ground are two parallel veins; one has 7 feet of lead matter, with a pay streak of 18 inches, assaying 22 ounces; the other shows about 2 feet of galena and copper, with a pay-streak of 8 inches, assaying as high as 31 ounces. Owned by Steele Bros. and N. J. Bradley.

The Black Chief is on the Telescope side of Silver creek about 14 mile from town and is developed by a 25 foot tunnel. It shows a 3 foot vein with a pay-streak of 12 inches, which assayed on top only 8 ounces, but at 25 feet gave results of 45 and 50 ounces; character of mineral is galena, black manganese, white iron, iron

The Hawkeye is located up the river about 21 miles, opposite the Santa Clara and has a tunnel of 32 feet and a vein from 3½ to 4 feet wide, with a pay-streak of 15 to 20 inches, carrying lead carbonnates and iron, assaying as low as 41 and as high as 196 ounces; about 50 assays were made on the mineral at this time Owned by Fred and averaged 60 ounces. L. Downs, Jas. R. McJunkin and W. A. Lyons.

The Red Lion adjoins the Legal Tender about 8 inches quartz and remainder is a gouge; assays from 20 to 40 ounces. It is owned by ten Colorado Springs men, who staked a man to \$2,700 to prospect for them and have this claim to show for it. Jno. A. Nichols, Jno. Kerr and two Austins are the names of four of the ten.

The Columbus, situated on the eastern slope of Expectation mountain, south of the noted St. Louis, is the property of Summa, Suydam, Roe and others. But little work has been done beyond the reg-

The Ella owned by C. Humaston and E. M. Doyle, on Nigger Baby Hill, half mile north of Rico, has tunnel of 60 feet showing fine galena, spar and carbonates; 4 foot vein. Assays 40 to 60 ounces.

The Printer Boy, Kingston Boy, Lady Jane Grey, Annie Burr and Mery Stuart are on Expectation mountain. C. R. Johnston, B. R. Keim and A. J. Johnston, owners. All quartz veins well defined. 120 feet of development done on all. Assays—highest 40 ozs. silver from P. B., 20 ozs. silver from K. B., 13 ozs. from M. S. Width of veins will vary

The Rico View is located on the east slope of Expectation mountain, about 1 mile and has an 8 foot fissure vein, with no defined nav-streak manganese and some galena. Develop ment consists of two open cuts of 10 and 15 feet and assays as high as 194 ozs. and as low as 16. Owned by L. Beecher and U. Sherman Waggoner and Will W. Spaulding.

The Silver Star is in Marquerite Basin near Keim's cabin and has a 15 foot tunnel on the vein, which is 7 feet wide with a pay-streak of 6 inches of lead carbonate ore, the general character of the ore is spar, galena and white iron all through the vein. Owned by the Dolores Valley Mining Company, four-fifths and Chas. A. Cooley, one-fifth.

The Don Pedro, not far from the New-

The Antipodes lies between town and The Tyrone and Millionaire are parallel the Newman, on Dolores mountain and 3 feet wide, with a pay streak of about 8 inches, assaying from 150 to 304 ounces Rodd.

> The Greek is on the southern slope of Telescope mountain and has a 50 foot saying 50 ounces. Owned by S. C. Grant and Worden Grigsby. An extension of this claim, the Roman, has same width of vein and assays 30 ounces. Owned by same parties and James N. Hall.

The Harcourt, Kirke M. Keim and Marguerite are situated adjoining above. A ortheast of town on the western slope 20 foot shaft sunk on adjoining end lines of Telescope mountain and has a tunnel of the two latter claims, and two yearly assessments on each claim constitutes the from 12 to 113 ounces. Owned by Mrs. Owned by the Rico Pioneer Mining Company of Philadelphia.

The Argosy is in the head of Marguerite Basin near top of range and has a 20

The Orphan on the back of Elliott The Dunning is in the south fork of Peak and on the summit of the divide,

JONES & HARTMAN. Editors and Publishers.

RICO, COLORADO.

The Smelter's Work.

WHAT IT DOES AND HOW.

A Brief Description of That Very Important Factor in Rico's Present Prosperity.

A visit to the smelter revealed a busy throng of men actively engaged in the performance of their several duties. On entering the office, Scott Hayes, the bookkeeper, was found busy in keeping record of the doings of the mill and its employes. He escorted us into the laboratory, which is by far the most complete of its kind in this country. In the balance-room are three sets of balances and other appurtenances used in the careful and particular process of weighing. The main room is bewilderingly full of chemicals, glass retorts, crucibles, etc. From this room a door opens into the furnace room, where the furnace is kept in full blast all day and frequently all night. A glimpse into this gives one a premonition of hell, as the hottest of fires accomplishes its work of reducing the crushed samples of ore into a molten mass. Over this important department, Leon Eggers, who is one the most experienced assayers in the state, exerts an able supervision, assisted by H. L. Van Nostrand.

Leaving the office and laboratory and

descending a broad flight of stairs, Amos Lane was encountered, who piloted the way to the ore-house where the bins of ore seem the embodiment of wealth as the contents lay piled up in rich plentitude. Among the ores from various mines we noted quantities from the following, which are being treated:

Grand View, Newman, Puzzle, Aztec, Phœnix, Puzzle Extension, Yellow Jacket, Parole, Carbonate, St. Louis, Bancroft, New Year, Alta, Caribou, Parsons,

The Alta is the noted property in Turkey creek basin, and the three lastnamed are Ophir mines. These ores contain a large per cent of lead and were purchased on that account, to aid in the treatment of Rico ores, in which the percentage of lead is generally small. A higher price was paid for this class of ores than has ever heretofore been known, in this country. The Wabash ore was used when the present run was begun and that fact accounts for its absence from the ore-bins. Mr. Lane informed us that it was A. No. 1 ore for a smelter and could be used to great advantage in the treatment of other ores in combination with it.

Passing from the ample storage room for ores we proceeded into the smelter tion based upon such a discovery is illebuilding where the noise and din of the gal, and all subsequent proceedings to machinery deafens the unaccustomed ear patent a lode so discovered and located for a time. Ores are piled in various are invalid. heaps upon the floor near the jaws of a "Challenge" crusher which is constantly masticating the same and seems never to have its capacious appetite satiated. After being crushed the ores pass through rollers to the floor below. The ores being crushed at the time of our visit were Grand View, which have been in the ore house since last fall.

On the next floor beneath men are seen engaged in their various capacitiessome wheeling ore, others mixing the same, and still others bedding down, weighing or feeding. Mr. Hardess was found on this floor. The furnace is charged here and every pound of material which disappears down the dark, cavernous opening is weighed, so that the exact proportion desired is always obtained. A tally board, closely resembling a pool-board, with its heles and pegs, is used to designate the number of tons of ore shoveled in. Different grades of ore compensation for the work is to come from different bins are used and the desired proportion of lead, silica, etc., is thus always preserved. Some of the most beautiful coke ever made from coal Bancroft has been all dead work, being is used in the furnace. Some of the bulply of lead go further. There is no possible loss of any of the precious metals and the supply of lead is made to do

lion and slag, and molding the bullion into bars is seen, which are the most interesting spectacles of all. The sight of in lead. the red-hot stream of slag spouting in-to the slag-carts, and the shining liquid bullion running into the lead-well are the

ore are consumed daily. The capacity can be very easily increased, however.

A rotary pump is operated by it, ery floor reaches to the roof and is a very ties than any other business on earth." important safe-guard.

Bullion will be shipped during the winter, but to what point has not yet about 150 tons of coal at its banks up tention to ranching or farming, they can the river and it is now being coked. The produce a great proportion of the ranch limit of the run will be decided entirely produce consumed in the mining camps. by the amount of coke procurable, as ore in vast plenty is obtainable. The

spring will be of very short duration. The run so far has been an unqualified success and no assurance is needed to justify the belief that it will continue to

estimate concerning the cost of treatment which would be at all valuable, inasmuch as the company was compelled to pay very fancy prices for all its supplies, as they were purchased late in the fall and the probability of snows increased the 100 risk and contractors for charcoal, coke, wood, etc., wanted more for their work than if done in pleasant weather. The cost is much more this year than it will ever be again.

Law on Placers.

If a hearing has been had involving the mineral or non-mineral character of land, and a decision rendered on such hearing by the Secretary of the Interior, the same question upon the same land, or any part thereof, cannot again properly become a subject of a controversy. It is a judgment in rem, conclusive alike as to the parties to the controversy then pending as well

as to subsequent claimants.

When the Secretary of the Interior decides a question of fact affecting the classification or character of a tract of public land, it ends all controversy as to the fact everywhere.

Construing section 2322 U. S. revised statutes with sections 2389 and 2392, it might be contended that the reservations in favor of townsites should only be of such rights of surface occupancy as accrued before the location of the mining claim. As the law stands, no one, whether for the purpose of establishing a town or for a residence or place of business or for any other purpose, has the right to intrude or trespass upon the possession of a valid mining claim.

Claims which include all forms of deposits except lodes or yeins of quartz or other rock in place, are treated as placers. Where a claimant has located a placer claim, and also within its limits a vein or lode claim, he may embrace both claims in one application for patent, and in such case a patent shall issue for the placer claim, including such vein or lode, upon the payment of five dollars per acre for such vein or lode and twenty-five feet of surface on each side thereof; but when, at the date of application for patent, the existence of a vein or lode in a placer claim is not known, a patent for the placer claim shall convey all valuable mineral and other deposits within the boundaries

Where a claimant has located a placer claim that has within its limits a bona fide vein or lode, known to exist and not claimed by the placer claimant, a subse-quent locator of said lode or vein is entitled to the same, with twenty-five feet of surface ground on either side thereof and no entry of such a lode should be allowed, nor will patent issue for a width exceeding twenty-five feet on either side of the

Where a placer claimant has located a claim and included within its limits a lode claim, the existence of which is known to the claimant, an attempt by the placer claimant to patent the placer, including said lode, without mention of its exist-ence, is an attempted fraud upon the gov-

lode or vein, is an illegal act, and a loca-

Such discovery of a lode claim gives no rights and duties of the placer claimant by making known the existence of the lode or vein within the placer.

Where a claimant has located a placer claim and it becomes a matter of dispute as to whether or not a lode or vein exists and is included within said placer locathe United States.

Lewis Waldron and five others have of six months. Their contract with the owners calls for the following work: On the Bancroft they are to mure the Bancroft they are to run a cross-cut 100 feet and sink a shaft 100 feet; on the St. Louis they are to sink a 50 foot shaft, and run a drift 150 feet. Their Bancroft has been all dead work, being the cross-cut, but lately they broke lion is run over, in order to make the sup- the wall of the vein, and are now getting in on the mineral. The ore taken from the St. Louis, which is being constantly packed to the smelter, has more double duty.

Going down to the next and ground floor the process of drawing off the bullinght. The St. Louis is a true fissure of the process of drawing off the bullinght. The St. Louis is a true fissure of the process of drawing off the bullinght. vein, although the ore is a sand car-bonate, and runs from 20 to 65 per cent enjoyed by eastern towns.

Talmage speaking about newspapers in his Sunday's sermon said: "Don't beconsummation of the work, and the bul- lieve in the idea that is so prevalent that can do no better than read the Dolores including ore, slag flux, etc., but we river you had better not try to engineer think it safe to say that but 15 tons of the Great Eastern over to Liverpool. To but we river you had better not try to engineer publish a newspaper requires the skill, the precision, the vigilance, the strategy, The engine-room contains a 40-horse the boldness of a commander-in-chief; to power engine, which furnishes the model and a newspaper one needs to be a statestive power for the machinery requiring man, an assayist, a geographer, a statis- and true statements in giving the news tician, and so far as all acquisition is conwhich is a precaution against fire. A cerned an encyclopedia. To man and to stand-pipe with hose connections on ev-

THE Lower Animas and San Juan country is one of the most beautiful in ply of coke. The company has mined men of that section will devote their at-

This office is well prepared to do fine Grand View is being worked by a force of men and can easily supply 5 tons daily and many other mines are furnishing work with that done anywhere in the West. We have everything required to Everything about the smelter is in tip-top order and the stoppage in the early cheaply as it is done in Colorado.

Silver and Gold.

be such in the future. It is impossible at present to give an The Rico Carbonate Camp, on the Rio Dolores,

In the San Juan country, Southwestern Colorado,

Is now attracting much attention.

Mining and Smelting at a Great Profit, at Rico, and the New Discoveries of Mines,

Makes an Important Centre -OF-

This New Mining Camp.

THE BULLION PRODUCT,

And the Progress of Mining.

THE DOLORES NEWS, since its establishment, and first publication, dated August 21, 1879, has heralded the great richness of Rico's mines, in the Dolores Carbonate Camp, the many new discoveries, the progress of development, ore shipments, assays, mill-runs, and the general mining and local news of the mining town of Rico, and Dolores camp. Since the first publication of the NEWS

much has been accomplished in the advancement and development of the town and camp. Where small cabins stood but two years ago, large business houses and residence buildings now stand, and the once barren mill-sites are now being covered with smelting and milling mining machinery, for the treatment of the high, medium and low grade ores of the Silver bullion is now being procamp. duced from the ores of the camp, and great quantity of gold is contained in the bullion. Mining and smelting at a profit has begun at Rico, to continue for years to come

It has been determined by able mining and smelting men, of long, practical experience, that Rico ores can be smelted at a profit, and the low grade ores, containing a fair per cent of lead, are valuable for the reduction of higher grade ores, containing great quantities of gold and silver and a small per cent of lead.

All Rico has ever needed to warrant its success, is money and practical men to operate mining machinery. With the addition that is bound to follow that which we already possess, we will soon have a sufficiency of the articles needed, and the Where a claimant has located a placer claim, the entry upon said placer claim by another party for the discovery of a lode or vein, is an illegal set and the present bullion product of from five to six tons of bullion per day will be increased at least ten-fold during the year lode or vein, is an illegal set and the present bullion product of from five to six tons of bullion per day will be increased at least ten-fold during the year lode or vein, is an illegal set and the present bullion product of from five to six tons of bullion per day will be increased at least ten-fold during the year lode.

silver bullion, at Rico next summer.

Booms have lost their significance at Rico, and mine-owners have begun the egitimate business of mining. Wild-cat rackets are forgotten, and the sharks play no important part. The population of Dolores county is

tion, the fact must be determined by a rapidly increasing, and though the new-bearing before the Land Department of ly organized county embraces new territory, not long inhabited, it is in a prosperous condition, financially and other-

> less than one year. The final survey for the road has already been made. The Dolores mining camp offers great inducements for the investment of small

or large amounts of capital, and a safe guarantee to the careful investor. The fact of millions of dollars having been invested at Rico already should be a sufficient guarantee to other investors.

Of the large number of mining companies organized on Rico mining proper ties, several are under active and suc cessful operation.

modern improvements and conveniences Note:-All who are directly or indirectly interested in Rico and its mines, Notary Public lion in 100 lbs. bars is stacked up awaiting shipment.

The smelter is called a 20-ton smelter
with its present capacity, and it does
treat about 20 tons of material per day,

The smelter is called a 20-ton smelter
with its present capacity, and it does
ter not try the side of the Matterhorn; if
you cannot navigate a sloop up the North
you cannot navigate a sloop up the North products, gold and silver. Reports of FRANK W. GOVE, the general progress of the camp such as can be obtained by the publishers, will be furnished to our readers each week. We shall at all times, endeavor to give facts of the camp. Our circulation is increasing with Rico's progress, and we desire to reach as large a number of readers as Notary Public, s possible, to enable us to give some idea to the world, of Rico's richness. Many of the citizens of Rico are sending the been determined. The run will not extend over a period of two months, in all probability, owing to the insufficient supfew equals in the west. If the ranch substitute for a letter, to inform them of substitute for a letter, to inform them of their mining operations here, etc. We wish to circulate the NEWs largely in the East, and clubs of five copies will be sent East one year for \$12, paid in advance. In making this great reduction, we would be compelled to demand the payment in-

> variably in advance. Very Respectfully, JONES & HARTMAN, Publishers of the News, Rico, Colorado.

the "NEWS" until ordered discontinued, and charging the price of same to the subscriber. This method has proven dissatisfactory, both to ourselves and to our patrons, so hereafter, after sending this notification and failing to hear from the subscriber in a reasonable time, we will take it for granted that he does not longer care to have the paper forwarded.

If you do not find it convenient to pay for the paper at once, you have merely to let us know that you desire the paper and it will be sent—to be paid for at your earliest convenience.

nience. Under the old method the paper was fre-quently sent to persons after their removal from a postoffice, and consequently we were at a loss, without benefitting our subscribers in the least. We wish to avoid all such disagree-able mistakes in the future and can only do so by having the paper paid for, or else notified that it is desired forwarded. Yours truly, JONES & HARTMAN.

MINERAL APPLICATION NO. 414.

MINERAL APPLICATION NO. 414.

U. S. LAND OFFICE,
LAKE CITY, COLO., Nov. 7th, 1881. \

NOTICE IS HEREBY GIVEN that J. M.
Acker, whose postoffice address is Rico, Dolores county, Colorado, for himself and as attorney in fact for J. O. Packer, has this day filed his application for a patent for 1416 linear feet of the PIGEON lode, mine or vein, bearing silver, with surface ground 294 feet in width, situated in Pioneer Mining District, county of Dolores and state of Colorado, and designated by the field-notes and official plat on file in this office as Lot No. 665, said lot No. 665 being as follows, to-wit:
Beginning at cor 1, a spruce post 5 ft by 4 in sq. set in ground 2 feet and mound of earth 18 in dia. and 1 foot high marked on one side cor 1 and on opposite side sur 665; whence Melvina lode (the same being described and so named in field notes of surs 620 and 399) is n 17°2 28 min 51 see w 1562.3 feet, Elliott Peak is n57° 55 min w, Calico Peak is 8 80° 44 min w, cor 2 sur 617 is s 64° 20 min w 152.2 feet, a spruce tree 18 in dia. marked cor 1 sur 665 is 8 13° 2 min 6 20.7 feet; thence s 33° c 21 feet in tersect course 2 sur 617, whence cor 3 is n 72° e 139.4 feet; 673 feet to west side center, an aspen post marked w s c on one side and on opposite side sur 665, \$23.2 feet intersect course 3 sur 494; whence cor 3 is n 65° e 290.3 feet, 416 feet to cor 2, an aspen post 5 feet by 4 in sq. set in ground 2 feet and mound of stones 2 feet dia. and 1 foot high marked on one side cor 2 and on adjacent side sur 665; whence a spruce tree 24 in dia. marked cor 2 sur 665 in 130 20° w 45.6 feet, 294 feet to cor 3, a spruce post 5 feet by 4 in sq. set in ground 2 feet and mound of stones 2 feet dia. and 1 foot high marked on one side cor 3 and on opposite side sur 665; whence Elliott Peak is n 56° and on opposite side sur 665; whence Elliott Peak is n 56° and on opposite side sur 665; whence Elliott Peak is n 56° and on opposite side sur 665; whence 133° w 74.5 feet, 294 feet to cor 3 and on opposite side sur 665; whence

Less Area in conflict with sur 617.0.130

NOTICE OF FORFEITURE. Rico, Dolores county, Colo., Aug. 13, 1881.

sufficiency of the articles needed, and the present bullion product of from five to six tons of bullion per day will be increased at least ten-fold during the year of 1882.

Hundreds of tons of ore will be treated this winter, and when the smelter doubles or perhaps trebles its capacity in early spring, with the erection and operation of at least one more smelter, thousands of tons of ore will be smelted into silver bullion, at Rico next summer.

Towm. Dwyer:

You are hereby notified that we have expenditure was made for the purpose of holding the claim for the year ending Dec. 31st, 1830, in accordance with law. And if within ninety days from the service of this notice by publication, you fail or refuse to contribute your proportion of such expenditure as a co-owner, your interest in said claim will become the property of the subscribers under the provisions of section 2324, Revised Statutes of the United States. CHAS. A. KING ED. GREGORY.

PROFESSIONAL.

J. M. SEMPLE,

ATTORNEY AND COUNSELLOR

RICO - - - COLO. Special attention given to Mining Business

DR. FERNANDO ROYS,

Physician & Surgeon.

RICO, COLORADO. Office over Postoffice.

ROBERT DUNLAP.

Attorney at Law,

RICO, DOLORES COUNTY, COLO Office on Glasgow Ave.

A. H. MUNDEE,

and Conveyancer.

Rico, Colo.

-- CIVIL ENGINEER, -AND-

Deputy United States MINERAL AND LAND SURVEYOR.

RICO. DOLORES COUNTY, COLORADO. Office on Glasgow Avenue

HERMAN SARLICHS, E. M. Late of U. S. Geological Survey. J. F. WANNEMAKER Co-Surveyor and No-tary Public. Wannemaker & Garlichs, CIVIL AND MINING ENGINEERS,

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Assay for silver....\$1.00
"" gold and silver.... 1.25
"" lead....... 1.50 " " copper..... 1.50

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management, and run to suit the general

patronage of a mining camp. D. BEIDLER, Proprietor.

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The only paper financially devoted to these interests; publishing the daily transaction of the New York Mining Stock Exchange.

Terms, including postage, \$4.00 per annum, Published at 66 Broadway, New York. ALEX ROB'T CHISOLM, Proprietor. Chas. R. Johnston, Manager of Rico Agency.

JONES & HARTMAN Editors and Publishers.

RICO, COLORADO.

One copy six months.... One copy three months...

Natural Resources.

Natural Advantages.

Stone,

In Dolores county, there is a vast quanyellowish hues, and is very valuable for ally achieves. building purposes. The limestone being valuable for flux in smelting the ores of lode, which has attained considerable

izontally, and extends far under a broad area of coal land. Professor H. J. Haris as follows: Volatile matter, 74 per patent. cent; carbon, 52 per cent; ash, 4 per cent. Other coal lands, equal in value, and as on Telescope, shows a vein from 3 to 4 easy of access, are less improved.

Coke. The coke produced from Rico coal, is 60 per cent of the coal, and has no rival for smelting purposes. It is also very valuable for manufacturing, of any kind.

It is believed by its owners, Messrs. Dave Swickhimer, Paddy Cain, Julius Thompson, Mike Murphy and Wm. T. Huntley, to be as good a lead as exists on the Mt. and one of the above gentlemen informs The Grand View company have burned and consumed 150 tons of coke.

Timber. There is an endless quantity of timber covering the mountains of Dolores county. White, spruce, and yellow pitch pine, and aspen grow here, and the sup- in the first mentioned. ply of all kinds of native timber is equal to the great future demand. There are three saw mills in the vicinity of Rico, which when running to their full capacity, cut from twenty to twenty-three thousand feet of lumber per day.

Lead. The lead ores of Pioneer Mining District contain from five to sixty per cent lead, mainly sulphide. Until the late demand caused by the process of treatment mand caused by the process of treatment. in the Grand View smelter, but little attention has been given to these ores, but two prominent veins within twenty feet of each other—one of galena and one of yellow carbonates—with a cross-cut tunrecent developments show that there are nel. Owned by M. O. Reil large bodies of galena ore here, and the ly, J. L. Cottle and J. J. Letts. supply will more than equal the demand.

Iron. Large veins of magnetic iron and demagnetic iron carries only eight per cent northwest corner of the Wabash, has Water and Its Power.

water and water power for the county territory, prospective population and vein showing 25 feet of crevice matter. machinery which will be propelled by The character of the vein is carbonate of river is about 250 feet per mile. By this advantage machinery can be erected very cheaply, and by the water's purity the participants enjoy the best of health. The Veins

Of Pioneer Mining District are contact, between limestone and porphyry, and winter, and the workings of the two mines true fissure, in quartzite. The veins of are not over 200 feet apart. It is unneceither character are well defined, and by the outcroppings the veins are easily

Our Mines Are easy of access, and are mined as cheaply as the mines of any other known locality. The cost of mining by blasting and Joe Dauw. here, varies from \$6 to \$10 per foot. In pick and shovel or ordinary work, the cost per foot is \$3 and upwards.

tension of the Johnny Bull and is on the mine to a depth of 190 feet, which is very back-bone of the ridge dividing the well timbered. The vein is supposed to West Dolores from the head of Horse be about twenty-five feet in width, the gulch, from which point can be seen with the naked eye mountains in Utah, New same grade of mineral that is found in Mexico and Arizona. Development contains of two shafts and a tunnel—the The vein lies parallel with the Santa Claformer being 42 and 45 feet and the latter ra. The character of the ore is quartz, 60 feet. Same character of ore as found in the Johnny Bull and assays from it mouth of the tunnel opens on the Rico & of Dave Swickhimer, its fragile owner, as have varied from 10 to 185 ounces silver | Coal Banks toll road in Dolores cañon. and 1 ounce gold. Work is to commence early in March and it is predicted that it will become one of the leading mines in the district at no very distant period. J. W. Winkfield, J. M. Acker, J. H. Sher- will be a great as well as profitable proj man, Fraser and others are the owners.

The Fortune Tunnel Site located May made for the purpose, as the course is has an open cut of ten feet. J 5th, 1881, and situated on the west side sure to cut a continuation of the Puzzle J. L. Cottle and A. H. Mundee. of Dolores river, on the east slope of Expectation mountain, adjoining Rico, cut- has already been constructed, and the ting one vein of mineral 25 feet from work will begin for the summer, in early starting point; the vein is 5 feet in spring. Many owners of mines in that width. Six assays made from an average | vicinity, desire to see the tunnel progress of the vein give an aggregate of 28 ozs. silver and $\frac{3}{4}$ of an oz. gold per ton. Ex perts who have examined this tunnel site, say that it is bound to strike some mammoth bodies of mineral. Owners are Julius Thompson, J. J. Letts and J.

The Jessie and Magic Penny are owned by Geo. P. Foster and Ellenwood. work to speak of, and no assays.

lode, owned by H. Musgrave, is situated on the east branch of the middle fork of Horse gulch and is a true fissure vein of six feet in width of decomposed quartz, iron and two feet of hard quartz, same as found in the Puzzle and Puzzle Extension and the owners of the latter, as well as many others, think it to be the same to 3 ounces gold and the owner thinks he has a bonanza from the appearance of surface work. Nearly 200 feet of crosscutting has been done about 600 feet distant from where the first assessment was done for the purpose of finding a point where it could be worked at the What Dolores County Possesses as least expense and to the best advantage. Few mines have the natural advantages for cheap working which this one posfeet deep and a cross-cut tunnel about 100 feet in length will intersect it 75 feet In Dolores county, there is a vast quantity of micacious sandstone and limestone of pure carbonate of lime, lying in close proximity to the town of Rico. The sandstone is of pink, silvery gray and rellowish huse and is very yaluable for a lime ship works. When the sandstone is of pink, silvery gray and rellowish huse and is very yaluable for a lime ship works.

the district, is used to a great extent by prominence during the past six months, the Grand View smelter. The lime and is owned by J. M. Acker, J. O. Packer sandstone quarries already opened up and J. W. Winkfield, and is an adjoining are easy of access, and hundreds of location to the Wabash. It is located on a hog back above the last named mine wagon loads are being hauled away, to be used in smelting and building.

Coal.

The coal lands belonging to the Grand

This mine when fully opened will gold. This mine when fully opened will gold. View company, upon which a great deal gold. This mine, when fully opened, will be one of the largest mines in the state. of work has been done, show a large bed The development now on the property or ledge of bituminous coal, which is very consists of three tunnels, respectively valuable for coking. This ledge lies hor- 20, 34 and 38 feet in length, all showing mineral as far as side-drifts have been extended, which is similar in character to that found in the Wabash and is in solid dess made an analysis of the coal which formation. Owners have applied for a

The Silver Plume

feet wide at the point where it is cut by a cross-cut tunnel at 47 feet. Assays reported on same are 42, 159 and 179 ozs. It is believed by its owners, Messrs. Dave and one of the above gentlemen informs us that they have refused \$3,000 for it, in which they were sensible, if the lead is anything like what is claimed. An extension of this vein is owned by Gault, Cain and Swickhimer, who have named it the Pay Boy, and simply worked an assess-About same character of ore as

Bull of the Woods.

The Bull of the Woods is situated on the middle fork of Horse creek, and was located June 16th of this year. It is a splendid prospect for the amount of development, it has a vein of quartz 3½ feet wide, with 12 inches of galena, containing 54 ozs. silver—38 per cent lead—and a trace of gold. Yellow carbonate streak

The Melvina, owned by E. P. Suydam and Parrish Brothers, of New York, sitposits of bog iron are found here. The uated on Nigger Baby Hill, crossing the of silica, and is valuable for flux in lead shaft 42 feet deep, at the bottom of which is a drift of 60 feet, running into smelting, and for making metallic iron. the mountain. On the surface were two veins, and in sinking on one of the veins Clear, cool, crystal waters flow in the the development was not done so as to Rio Dolores and its tributaries, furnishing follow the direct course of the vein, and water power. The fall of the Dolores iron and copper, running from 15 to 155 ozs. silver.

The Silver Giant

lode was cross-cutted by a tunnel at 113 feet and found to be 5 feet in width, making the tunnel 118 feet in length. This vein is an extension of the Mammoth which has sprung into prominence this essary, perhaps, to state that it is an adjoining location. The character of the ore is galena and black manganese, from which assayers have given certificates for from 31 to 65 ounces. The Giant shows up on the records as belonging to James W. Cart, David Swickhimer, Paddy Cain

Blackbird. The Blackbird is owned by E. P. Suydam and Parrish Bros., of New York, who compose the Blackbird Mining Company. The Mountain View is a bona fide ex- A tunnel has been constructed on the carbonate of iron and copper.

Tunnel Project.

The Commonwealth Tunnel site, in Horse Gulch, just above the Puzzle mine ect. Experienced miners pronounce one of the finest locations that could be vein and many others. About thirty feet

Castle Craig.

Castle Craig lode is situated on Dolores mountain, adjoins the Carbonate and is 1600 feet from the Parole. Has a perpendicular vein, showing pure spar and quartz; a gouge of 10 inches carries lead and copper; assays 33 ounces silver and ½ ounce in gold. It is owned by J. T., vein which runs from 40 to 483 ozs. sil-D. F. and O. H. Taylor and Wm. Orton.

The Hard-to-Beat is located on the inches of yellow carbonates and assays vein, although so far away from it. Assays from the vein have given returns of from 25 to 100 ounces silver and from 1 letts, J. L. Cottle and A. H. Mundee.

Specimens of native copper may be seen at the Bank of Rico or at Seek's assay of fice. The locators and owners of this

Pole Cat. This peculiarly named mine, situated on the south fork of Horse gulch, and located in June, 1880, is a fine showing; one streak, white quartz, eight inches wide, carries \$30 in gold and 11 ounces silver per ton. Another streak, of yellow carbonate, 2½ feet wide, runs well in silver and lead. An open cut and a tunsesses: two levels can be run on it from the surface which will cut the vein 175 Owners are M. O. Reilly, J. J. Letts, and W. K. Patrick.

Hidden Wealth.

The Hidden Wealth is located on the vest bank of the Rio Dolores, west of

The Little Laura is owned by John Gault and Dave Swick-himer. It is located on Telescope Mt. and has a vein 2½ feet wide, from which assays have been had of 43 ounces silver. A cross-cut tunnel of 40 feet has been run to the vein, which has been explored and the owners are now sinking on the

Hoosier Girl. The Hoosier Girl, situated on the Horse Creek side of Expectation mountain, 700 and quartz. feet from the Puzzle, has a 35 foot tunnel, showing a 12 foot vein, two feet of quartz and ten feet carbonate of iron. The quartz has pockets of free gold which gold. This property is owned by J. L. Roudebush and E. P. Suydam.

Carbonate Queen.

The Carbonate Queen, situated on Dolare D. A. Cook, Douglas lores mountain near the Newman group, Bull, of Ottawa, Illinois. is developed by shaft 12 feet and a tunnel from this shaft 33 feet. Has a 5

The Clear Boy was located by the celebrated Pat Murray on Expectation mountain about half mile from town, and has a fissure vein 3 feet wide, showing galena, white iron and copper pyrites, from which no assays have been made. Messrs. Paddy Cain, John Gault and Dave Swickhimer own it and are now sinking a shaft to a depth of 50 feet to find out what they have.

Sturland.

The Sturland, situated on Telescope next to the Melvina and Wabash, is an immense large vein and a fine contact, and adjoins the Santa Clara mill ground. Is developed by tunnel 45 feet and have recently let a contract of 25 feet more in he tunnel, assays from 15 to 125 ozs. The ore is black manganese, sulphurets and carbonates.

Ah Joyey.

Ah Joyey is one of the oldest claims on Nigger Baby Hill. It is a fissure vein 3 feet wide and carries galena and manganese; assays 50 ounces silver across the entire vein. It is developed by a tunnel 140 feet, which will be driven 100 feet further before spring. Owned by D. F. Taylor, Wm. M. Orton, Chas. F. Lane

Silver Duke.

Silver Duke adjoins the Blue Jay and Governor lodes and is 1500 feet from the Wabash. It has a 20 foot tunnel, shows a fine quartz vein two feet wide, carrying galena, silver and copper, and assays 45 ounces. Work is being pushed by its owners, Messrs. Wannemaker, Steele, the Taylors and Davis.

Stadtman.

The Stadtman is situated on Expectation mountain, about 2000 ft from the Bancroft and St Louis: is a fine quartz vein two feet wide with ten inch gouge, and 30 ft. tunnel thereon; assays all the way from $22\frac{1}{2}$ to 150 ozs. silver. The owners are Henry Stadtman, O. H. and

Snow Bank. The Snow Bank, situated on the east side of Dolores river, on Expectation mountain, has been quite extensively developed, showing a fine body of mineral. In a short time work will be begun, and the owners will begin to ship the ore, so that they will make a profit instead of an

The Number 10

joins the Carbonate Spring lode on Dolores mountain and sports a 47-foot shaft, which has not yet cut the vein. When it is uncovered it is expected to add some flesh to the ribs and ducats to the pocket float from the vein assayed 104 ounces.

The Big Missouri is located on the north side of Horse Gulch, on the south slope of Elliott mountain; is a carbonate vein four and a half feet wide, assaying 17 ozs. silver and \$3 gold. The property has an open cut of ten feet. J. J. Letts,

Big Missouri.

Silver Wonder. Silver Wonder lode is situated on Doores mountain, about 2000 feet from the Parole and adjoins the Grand Duke and Carbonate mines. It has a 5 foot vein of lead carbonate ore, which assayed 20 oz. in silver on the surface; owned by Orton and the Hensels.

Setting Sun.

The Setting Sun is one of the most promising mines in Rico, and is probably

middle fork of Horse Gulch, and was located April 23, 1881. This is a fine prospect for the amount of development, showing a vein of 5 feet 4 inches. There which consists of an open cut and tun-nel 30 feet long, showing a three-foot oxide of copper and lead assaying from B. F. Klee, J. W. Winkfield, J. W. Park vein of fine galena quartz, and eighteen 6 to 45 ounces silver, 3-10 of an ounce and Norton. gold and a large per cent of copper. property are T. C. Johnson and Joe W. Lyon.

> The Dalgarno is situated on Expectaon mountain and is a parallel claim to 000. the Hoosier Girl and Silver Heels. It has a tunnel 30 feet long, with a chamber in the breast 10x12 feet, from which a shaft mineral of the vein as yet. Crevice is 10 feet wide. Property owned by Sam. H. Burghardt, Ottawa, Illinois, parties and the estate of Steve Welihan, deceased.

west bank of the Rio Dolores, west of Rico. This lead shows copper, galena, gray copper and brittle silver. The vein is a true fissure, five feet in width, assaying 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. Assing 48 ounces silver and \$12 gold, so we well defined at a depth of $\1_2 feet. The Georgetown, situated on the south ing 48 ounces silver and \$12 gold, so we are informed by the owners, Messrs Julisus Thompson, J. J. Letts, and J. L. Cottle. The development consists of an ment work, a 11-foot face, the improveopen cut and tunnel twenty-five feet long. | ment of the quality of mineral promises another bonanza for Horse creek. M. O. Reilly, J. J. Letts and A. H. Mundee are the fortunate owners.

The Roderick Dhu is owned by J. P. Landon, and others of Polo, Illinois. It is located on Expectation mountain and is developed by a tunnel 100 feet long; which was run on a cross vein, the owners vein and galena is being exposed. Its owners are happy in the thought that they have corraled a good prospect.

thinking it to be the main vein of the location, but this year's work has shown that it was not and a shaft has been sunk lilinois, parties. on the vein proper. Assays from the sur-

The Merrimac is situated on Nigge Baby Hill above the Wabash and has 40 foot cross-cut tunnel, a drift on the can be seen with the naked eye. Assays vein of 22 feet and an adit of 18 feet. In give 57 ozs. in silver and about \$500 in the cross-cut tunnel, which has intersected the vein, there is shown 17 feet of minface assays giving 28 ounces. Owners consists of a short tunnel and assessment are D. A. Cook, Douglas Hapeman and Bull, of Ottawa, Illinois.

The Iron Mask, owned by Frank Collargely developed in the spring, as the mine only requires development to make it pay.

feet of which being a fine crystallized cycle and the tunnel is in 25 feet. No it pay.

Expectation mountain. Vein is six feet wide, and the tunnel is in 25 feet. No assays. turns of 100 ounces. A cross-cut tunnel has been started which will cut it 75 feet deep and about 60 feet in from the mouth of the tunnel.

The Catalpa is owned by D. A. Cook and Douglas Hapeman, of the Free Trader, Ottawa, Ill., and has a 35 foot tunnel, and shaft sunk 10 feet from the breast of tunnel. Another tunnel 15 feet has also cut the vein. Assays have been had as high as 46 ounces silver per ton. No tests have been made for gold. Vein is of black manganese and quartz, between walls.

The Diamond is situated in the south ork of Horse gulch and is owned by J.

tension and adjoins the Rico. It mas a large body of quartz carrying galena, gray copper, pyrites of copper and iron. It is owned by Charlie Bullock, Frank Collier and Hesse Musgrave.

Cook, Scott and Hapeman own the Silver Rule, which contains mineral of same character as the Double-Six, and is developed by a 30-ft. tunnel, showing a vein of about 6 feet; is situated on Expectation mountain, facing Horse creek. Assays 38 ozs. silver.

The Emerald has a 10 foot discovery shaft and a 100 foot tunnel. Assays 20 the Six and a 100 foot tunnel and the feet; thence n 6 ° 27 min e 186.8 feet to cor 1, place of the feet; thence n 6 ° 27 min e 186.8 feet to cor 1, place of the coation of this mine is recorded in the Recorder's office of Ouray county in Book 4, page 237 of Dolores county. The adjoining claimants are the John tune at Castage 406 and in Book 4 page 237 of Dolores county. The adjoining claimants are the John

others of Polo, Illinois. Located on Expectation mountain, above Double-Six.

The D. T. Sherman lode on the north The General McPherson is situated to lope of Expectation mountain in Horse the southeast of the Newman group and

> J. H. Sherman has recently purchased a 1 interest in the Utah mine, situated on the right hand side of Horse gulch, on

has just been started. Character of ore ore said to be somewhat similar to those is black manganese and quartz, assaying two, assaying from 10 to 50 ounces, taken 32 ounces, but have not reached the rich from a 6 foot vein between well-defined

face gave 15 ounces and the new workings show an 8 foot vein of iron, galena and quartz.

The Republican is located at the mouth of Horse gulch on Dolores river and is owned by Stalford, Winkfield and Cul-

eral between well-defined walls. In the and E. H. Ellenwood, is situated above adit 10 feet of mineral is exposed, surther Petzite and Sinbad. Development

foot contact vein having gouge next to foot wall of 1 foot, assaying well in gold and from 25 to 250 ozs. silver; will be vein with a crevice four feet wide, two Double Six, and is in same locality, on

Bull, has 18 inches of mineral assaying 23 ounces, and is owned by John W. Summers, Charlie Jenkins, A. M. Rogers and C. S. Kelley. But little development.

The Tecumseh, owned by John Eder, E. H. Ellenwood, Rudolph Uhrig and John Carr has a 24 foot tunnel. It is lo-cated on the little creek just over the di-

The Diamond is situated in the south fork of Horse gulch and is owned by J. Games and J. Games a

First publication, Dec. 3d. Last publication, Feb. 4th.

MINERAL APPLICATION NO. 381

U. S. LAND OFFICE, LAKE CITY, Colo, October 5th, 1881. LAKE CITY, COLO, October 5th, ISSI. [
Notice is Hereby GIVEN that George
S. Barber and his co-claimant, William Weston, whose postoffice address is Rico, Dolores county, Colorado, has this day filed his application for a patent for fifteen hundred linear feet of the RIVERSIDE LODE, mine or vein bearing silver, with surface ground three hundred feet in width, situated in Pioneer Mining District, county of Dolores and state of Colorado, and designated by the field notes and official plat on file in this office as Lot Number 590, said Lot No. 590 being as follows, to-wit;

yein bearing silver, with surface ground three a full interest in the Utah mine, situated on the right hand side of Horse guide, and about fifty feet from the Legal Tender. The purchase was made from Antonio Boaro, who received only \$1.000.

The Nettie is located west of Mountain View and south of Johnny Bull and has ore said to be somewhat similar to those two, assaying from 10 to 50 ounces, taken from a 6 foot vein between well-defined walls. A tunnel of 30 feet has been run. Owned by J. W. Winkfield and J. Coonse.

The Little Wink is located in the basin east of the Johnny Bull and has a short sunk on it? If feet, showing a well-defined the file of the fi

It is hereby ordered that the forgoing notice of application for patent be published for the period of sixty days, (ten consecutive weeks,) in the DoLORES NEWS, a weekly newspaper, published at Rico, Colorado.

10-20 HENRY C. OLNEY, Register.

MINERAL APPLICATION NO. 424.

U. S. LAND OFFICE, LAKE CITY, Colo., November 2

You are hereby notified that I have expended one hundred dollars (\$100) in labor and improvements upon the Pacific lode, situated on the east side of Telescope Mountain, adjoining the Alma Mater No. 2 location, which is in the same (Pioneer) Mining District, Dolores county, state of Colorado. Said expendence was made for the nurrose of hadding the ure was made for the purpose of holding laim for the year and the D

THE NEWS will hereafter be on sale by Wm. M. Keightley, postoffice news stand,

Something of the Coal Facilities --- more valuable as records of progress than anything hitherto published. While the Many Advantages Which Other Camps Do Not Possess.

Special Correspondence Denver Republican. Rico, December 21.—One of the most important discoveries yet made in this camp of wonderful development has been that of immense beds of coal, both bitu-minous and anthracite, which lie within company for two weeks. Mr. Amos Lane, the Manager of the company, and Mr. H. J. Hardess, the metallurgist, pronounce the coke to be far superior to that from Trinidad, and equal to any produced in Pennsylvania. Your correspondent has had a good deal of experience in Pennsylvania coke, and I fully agree with Mr. Hardess,

The smelter is now running out about

\$1,500 worth of base bullion each day, and has started the owners of several of the galena ore mines to the daily transportation of their products for its consump-

Rico can proudly claim to have within the confines of the camp every facility for successful smelting. Iron, lead, lime, coal and coke are in immense supply, and next spring will probably see more smelting facilities. The people here are jubilant and anticipate a great future for this youngest and probably the richest, in point of amount of ore, camp in the

The anthracite coal has been thoroughly tested, both here and in New York, and has been pronounced by experts to be a free burning variety, with a very small percentage of ash.

In addition to the many advantages possessed by this camp, as far as mining facilities go, its near agricultural worth is a matter of no small consideration to the permanent settler. Within fifteen miles of the town are rich valleys of arable land, the waters of the Dolores and its feeders being amply sufficient for purposes of irrigation. During the past season displays of vegetables and fruits raised in the Animas and Dolores valleys were such as to vic with the succulent products of California.

Pine timber of large growth abounds in this section, suited to all the purposes of the miner and the farmer, while abundant, never-failing mountain streams of pure cold water, "bristling" with speckled trout, add their supply to the flesh of the deer, elk and bear, to be found by the diligent hunter in the surrounding

In no mining camp or frontier town that I have visited have I met a more intelligent, cultured, orderly community of working business men, and these early winter evenings are whiled away in literary and social entertainments that give promise of the enjoyable chilly season of

the coming three months.

Altogether Rico is a pleasant place to live for the miner and the settler who is looking for a home. The rails of the Denver & Rio Grande railroad are fast approaching the town, and in a few months the camp will be in close connection with the outside world.

THE MINES. A good deal has been written of the Johnny Bull, the famous Newman group, the Bertha, the Sundown, the Puzzle, the St. Louis and Bancroft are all working forces of men, but there are among the 5,000 locations in the camp many smaller properties which, at their present state of development, give magnifi-cert promise of as rich yields as have yet

Bullion Statistics. From the Denver Journal of Commerce.

Colorado is the largest producer of the precious metals in the known world. Not only this, but she is furnishing nearly two-thirds of the gross lead product of the United States. The copper product, though not large, forms a considerable item of our export commerce. It is given out that in future this part of the yield of the Argo smelting works will be sent to Boston, and there converted into blue vitrol, for which there is a steady demand at better prices, on the whole, than for refined copper.

This establishment will turn out this year,

something over \$3,000,000 in gold, silver and copper. The counties of Lake, Gil-pin, Boulder, Clear Creek and Summit will give the bulk of the bullion harvest this year and probably for all the time to come. Silver Cliff has been rather unfortunate, and her quota will therefore not reach the expectations formed last spring. The San Juan has been greatly improved by development of first-class properties, and we confidently expect about three-quarters of a million from that section. Rico, the centre of Dolores County, is giving promise of great prosperity in the immediate future. A large amount of home and foreign capital has been invested there. The number of mines discovered, and their general strength and value, afford the assurance that when connected by rail with the principal towns and markets of the State, Rico will range up alongside Ten Mile and Leadville. It is a fact that this section is full of wonderful resources. The ores are abundant, many of them of very

The Gunnison has made some advances this year. Its contribution to the bullion output, will, however, be small, probably not over two hundred thousand dollars. Still, affairs are shaping them-selves for a steady increase when facilities for cheaper living, rapid transit and economical treatment of ores are sup

In Chaffee County, though much work has been done upon good mines, markets are few and distant from the sources of production. Some extensive iron mines have been opened and worked near Sali-These ores are shipped to the iron

and steel works at Pueblo. The mining reporters of the press in all sections of the State are at work with commendable zeal upon their annual re-

total returns for the year will not be greatly in excess of last year's report, it s gratifying to know that the area of actual and profitable mining has been wide ly extended since last January, and many properties added by development to the egular list of steady producers. The nighest hopes are entertained that Dolo res and the San Juan will come up grandly in 1882. Gunnison and Pitkin Counties will also give a good account of Rico, and promise to be a valuable adjunct to the material progress of the camp. The bituminous coal has been thoroughly tested for coking purposes will be connected with Denver. This will open the greatest and best coal reand has been now used in the smelter of the Grand View Mining and Smelting business alone of the Gunnison will be gions of the State. The coke and coal enormous in a few years, beginning with 1882. We are developing iron mines of great value in various quarters, which, with coke and coal, must hereafter be in-cluded with the other great mining refine a showing as we have now for boundless prosperity in that direction.

Agriculture in the Dolores Valley.

Mr. W. C. Hess brought to the NEWS office some vegetables raised on the ranch of Hess brothers, 28 miles down the Dolores valley, which show that the Dolo res valley is not only productive of valuable minerals, but that the soil which can be covered with water is valuable for agricultural purposes.

This is the first season of Mr. Hess

farming on the Dolores, and as the ground was newly broken, not so much could be expected as from old soil or cultivated ground. He says all of his vegetables and cereals grew much better than he expected, and that his crops were in general a grand success. Thirty potatoes from his ranch weighed thirty pounds. The potato crop was not irrigated at all dur-

ng the whole season.

His corn crop averaged 50 bushels to the acre, and oats run from 75 to 100 bushels per acre. Wheat averaged 60 bushels per acre.

His onions planted or sown April 29th grew from seed to an average weight of a half pound each. Mr. Hess says that everything raised on eastern farms can be grown in the Dolores valley, and that next year he expects to go into farming extensively.

Denver Republican New Year's Annual.

The Republican's New Year's Annual will be the most complete epitome of Colorado's prosperity and resources ever issued. It will be an octavo pamphlet; will be printed entirely in their office; will contain complete accounts of Colorado's production for the past year, giving each county full attention in that respect. We have a man in each county who is devoting special attention to the county's prosperity during the year, and to its attractions and prospects, so that all the reports, when grouped in the pamphlets, will give to the world an accurate idea of the advantages of each county in the State. The form will be convenient for preservation and handling, and the price will be ten cents per copy. Editoral notices of business enterprises will be inserted at twenty-five cents per line. Patrons can leave orders at the office of the Republican, or with their solicitors.

A good deal has been written of the prominent paying mines in successful the postoffice drug store, at Rico, will the postoffice drug store, at Rico, will rively for the Denver receive subscriptions for the Denver Republican, daily and weekly, and orders on the globe. for advertising.

Valuable to Miners.

We are in receipt of a new book by the well known publisher, Henry N. Copp, of Washington, D. C. It is called the American Mining Code, and is the most com-plete work on the subject extant. In addition to the United States mining laws and regulations, it gives the State and Territorial laws now in force, with an extensive digest of court and land office decisions, lists of 5,000 patented mines, Dr. Raymond's rich Glossary, and many new and improved forms, including loca-

tion notices, mechanics' liens, &c.
Copp's Mining Code contains 230 pa ges, 8vo., and sells for 50 cents in paper and \$1.25 in cloth. It is the latest, cheapest, and only reliable miners' guide now before the public. Send for a copy.

Success in mining is not attained through luck so much as is commonly supposed. The prospector who locates a good claim is, as a matter of course, he has studied the indications carefully and used common sense his prospect is men who make money from the purchase of mining stocks, do not trust to luck, United States. but exercise the same judgment they would use in any business transaction; the lucky man is one who studies facts and draws reasonable conclusions from them. -Denver Mining Review.

The Plow-Boy is situated near the forks of Horse gulch and is an extension of the Benzola. carries galena, iron and copper pyrites, which will assay 60 ounces. It can be worked all winter with no snow to hinder. Owned by Charlie Bullock and Hesse

New Year.

Musgrave.

New Year is one of the properties situated within the corporate limits of the town. It is a perpendicular fissure vein four feet in width and has a 35 foot shaft on the vein; assays 60 ounces silver and 2 ounces gold. Owned by Orton, Taylor

face, no assays.

views of local industries. It is believed that the reports for this year will be more carefully compiled, contain a greater argy of reliable facts, and be therefore with the three three

The Caledonia and Dudley are cross locations, situated on the southern slope of Elliott mountain and are developed by a tunnel of 85 feet. Four veins have been proven up on the surface groundone of 3 feet of carbonate of copper ore, running as high as 166½ ounces, and one of the same dimensions and similar ore, running $6\frac{1}{2}$ ounces silver and $1\frac{1}{2}$ ounce in gold. Vein last mentioned was struck at the mouth of the tunnel, before getting under cover and the breast of the tunnel is now the wall of another vein. Owned seven miles of the centre of the town of Rico, and promise to be a valuable adbuilding into the mining regions, by next of this city, and John C. Sneathen, of Pittsburg, Pa.

> The Eliza Jane is one of the more prominent of our mines and is located on the north side of Dolores mountain. It is a well-defined fissure vein, developed by two tunnels, one of 45 feet and another of 50 feet, Character of ore is oxide of iron, sulphurets and black manganese, and assays of 13, 161.3 and 182 sources. Reader, if any one asks you 'what is the mining outlook," tell him it is simply illimitable; that we never had as are proud of it, in which they are perhaps justfied, as the mine is no doubt good.

The Premier is a location of last fall and is an extension of the Belle Air. It is located on the west side and near the base of Dolores mountain. In consequence of the lateness of the season when the location was made, but little work is done-nevertheless the heavy galena vein shows up well and assays on the mineral from very near the surface give 35 ounces silver and 50½ per cent of lead. Owned by John Clark, A. H. Steele and John Schnelle. Vein, 5 feet wide.

The Telegraph is a parallel claim to the its owners, Wm. Woodward, Geo. Stiford, A. Krille and A. H. Steele, believe they have struck the Newman contact in their 125 foot tunnel. A shaft of 60 feet has also been sunk and work will soon be resumed. Vein is 4 feet wide, which assays from 40 to 60 ounces.

The General Sheridan is located on the northwestern slope of Telescope mountain and is of the group consisting of the Gen. Logan, Gen. Sherman and Pigeon and adjoins the latter. It has the same formation as other members of the group, and has carbonate ore. Owned by Louis Habermann, B. F. Klee and R. F. Patton.

The Setting Sun is situated up the north fork of Horse gulch and is now bonded for \$5,000. Width of the vein is 5 feet, character of the ore is quartz and manganese, which assays from 40 to 100 ounces

The Big Casino is one of the Fish Lake properties which attracted considerable attention last summer. It carries brittle silver and sulphurets and has a pay streak of 1 foot, which assays from 50 to 1000 ounces. Owned by Dr. J. P. Landon and Louis Sherbino.

The Limestone is on Nigger Baby Hill about 1000 feet this side of the Wabash and shows a 20-inch vein of carbonate of lead and iron ore. It is developed by a short tunnel (20 feet) and is owned by Dr. J. P. Landon, Wm. Parks and D. A. Cook.

The Wabash mine is destined in the near future to become the greatest ore producer the world has ever known, and the bullion product of the mine will in another year equal that of any other mine

The Perhaps is up Horse gulch on the Expectation mountain side and shows a 5 foot vein of free-milling ore, which runs 10 or 12 ounces. Owned by Dr. J. P. Landon and George Sanborn.

The Ellen A. is on the east slope of Calico Peak and shows a 2 foot crevice of hard carbonate ore assaying from 12 to 30 ounces. Owned by Fraser, Winkfield and Sherman. Horse Creek is a lively little place.

A large number of mines are being work-

ed in the gulches, and many other improvements are being made. The Georgie B. is on Burnett creek and has a 20 foot shaft, assays from 12 to 25 ounces and is owned by J. N. Bogert and

Frank Stalford.

THE United States government has fixed the following valuation on silver coins with holes in them: Dollars, 65 cents; half-dollars, 35 cents; quarter dollucky, but in nine cases out of ten unless lars, 15 cents; dimes, 5 cents, fives, 4 cents. These values are placed upon coins so punched with a view of calling not a good one. In the same way the them in, and stopping the unlawful practice of mutilating silver money of the

From the Leadville Mining Index.

The mining interests of Colorado at the present time are probably laboring under no greater disadvantage than the reputation which this state has acquired for litigation over mining properties. Eastern capital seems to fear that it is next to an impossibility to secure good It property, and with it a title that will warrant the enjoyment of the rights and privileges accompanying its possession. Several causes can be pointed out as producing these effects, the most prominent among which is the continual talk about every trivial case, and the impressions created by the state press in discus sing and keeping before the public every little squabble; also frequently precipitating unnecessary ill-feeling among the litigants. Every unlooked for disclosure in the development of a mine, every new revelation is commented upon and viewed from a legal standpoint, until one party or the other has some fancied wrong to The Pantheon mine is situated on the north fork of Horse gulch about 3000 feet from the Johnny Bull, and adjoins when the cause is finally disposed of, the the Rico and Victoria; vein or deposthe Rico and Victoria, vein of depos-it four feet wide, development, ten foot face no assays by the papers with comments, either Moose.

The Moose situated between the Bull-dozer and Victoria, and 300 feet from the dozer and Victoria and 300 feet from the dozer. \$1.75.

STATE OF COLORADO, | ss. HENRY SCHWENK, Plaintiff.

EDWARD GREGORY, Defendant. In the county court of said county.

The people of the state of Colorado send greeting to Edward Gregory, defendant: You are hereby required to appear in an action brought against you by the above named plaintiff, in the county court in and for the county of Dolores in the state of Colorado and to answer the complaint filed therein, within ten days (exclusive of the day of service) after the service on you of this summons, if served within this county, but in this judicial district, within twenty days; otherwise, within forty days; or judgment by default will be taken against you, according to the prayer of said complaint.

gamst you, according to the prayer of said complaint.

The said action is brought to recover the sum of one hundred and six dollars and twenty-five cents, due from defendant to plaintiff, in a book account; said account being for goods and merchandise sold and delivered and or money loaned to defendant at his request by plaintiff from May 25th till June 6th, 1881, in pon which nothing has been paid and which lefendant has failed and refused to pay, though equested so to do, particularly described in the complaint; also for interest thereon at the ate of ten per cent per annum from June 6th. ite of ten per cent per annum from June 6th.

And you are hereby notified that if you fail o appear and answer the said complaint, as bove required, the said plaintiff will take udgment against you for said sum of one hun-lred and six dollars and twenty-five cents with

dred and six dollars and twenty-a continterest and costs. Given under my hand and the seal of the county court of said Dolores [SEAL] [SEAL] 16th day of November, A. D. 1881. L. V. ROSSER, Judge and ex-officio clerk.

SHERIFF'S SALE.

Dy virtue of a special execution issued out of the clerk's office of the county court of Dolores county and state of Colorado, and to me directed, whereby I am commanded to sell the property heretofore levied upon by me by virtue of a certain writ of attachment issued out of said county court in the case of Henry Schwenk vs. H. C. Brown and James O'Brien, and to make the judgment recently obtained against the said H. C. Brown and James O'Brien in favor of the said Henry Schwenk, out of the property so levied upon; and by virtue of the said writ of attachment having levied upon all the interest of the said H. C. Brown and James O'Brien, being an undivided one-tenth (1-10) interest in the Shamrock lode mining claim, on the west bank of the Dolores river, opposite and west of the Town of Rico, in Pioneer mining district, Dolores county, state of Colorado, and by virtue of said special execution, I am commanded to make the sum of one hundred and fifty-three and 37-100 (\$153.37) dollars damages and the further sum of twenty-five and 95-100 (\$25.95) dollars costs of suit, together with interest and all accruing costs.

Therefore, according to said command, I shall expose for sale at public auction all the right, title and interest of the above named H. C. Brown and James O'Brien in the above described property on Tuesday, the 27th day of December, 1881, at 2 o'clock, p. m., at the front door of the court house in Rico, Dolores county and state of Colorado.

Dated at Rico, this 23d day of November, A. D. 1881.

Sheriff of Dolores county, by J. W. Cart, Deputy Sheriff. SHERIFF'S SALE.

Robert Dunlap, attorney for plaintiff.

Schultz & Koster,

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VECETABLES IN SEASON. ALL KINDS OF

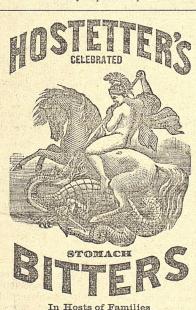
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U.S. Dep. Min. Surveyors

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"Dolores News,"

A WEEKLY NEWSPAPER, PUBLISHED AT

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T. J. ANDERSON,

General Ag't. Denver, Colo.

A VISIT TO RICO.

The Visitor Being an Able Writer, Gives His Opinion.

"Shep" in Denver Tribune.

Rico, October 29.—As I started from Denver a few days ago I was accosted by a prominent Union Pacific railroad official as to my destination. When I told him Rico, he uttered a guffaw and said, "Why do you go there? That country is dead." My reply was that "I want to be present at the funeral." The Denver & Rio Grande railroad was of course my mode of transit, and despite a heavy snow storm at Veta Pass and six inches of snow on the Sierra Madres, we rolled into Durango on time to the moment.

DURANGO. I have but little space to give this phenomenal railroad town just now. That it has "come to stay" is evidenced by the stability of the buildings being erected, the satisfied countenances of the merchants and the general appearance of goaheadativeness exhibited in every square inch of the town. Later I will endeavor to lay before your readers some facts as to the growth and resources of the "Denver west of the Divide."

My objective point was the much talked of Rico section, and my conveyance was one of the comfortable stages of the line owned by Lieutenant Governor Tabor, advertised to go through from Durango to Rico in nine hours. By a good wagon road our destination was reached on time, and at last I had got into the dead country referred to by my Union Pacific friend. "lively corpse" I found it, and already my investigations lead me to believe that the U. P. o. aforesaid has been obtaining his knowledge of this country from a source unworthy of belief. I found

RICO a live, enterprising, energetic, community, proud in the consciousness of being the centre of a mining district second to none in the state, and abundant in resources of mineral wealth, and close agricultural supporting country, to warrant the residents in the assertion that they have the most prolific locality for silver ore to be found within the confines of the wonderland of Colorado. As yet I have visited but few of the many mines of this neighborhood, but that your readers may judge of the place and its mineral advantages, I have determined on a short letter on mining matters here, which will be largely augmented by future correspondence.

The fame of the Wabash as the largest exposed ore body in Colorado has already reached you. The knowledge that the Newman group is daily shipping large amounts of ore to the Argo works at Denver, has also been recorded, but my observations and the information gained from dispassionate and disinterested prospectors lead me to the firm belief that the output so far of the Rico mines is but a tithe of the product that in future years will be yielded up to swell the enormous aggregate of Colorado's yearly return. Arrangements have been made to circulate the story as to the plethora of ore existing within the walls of Telescope, Expectation, Dolores and other mountains adjacent, Nigger Baby Hill. Horse gulch and other unnamed localities. Prospeet holes abound, with "indications" far richer than the mines named showed at the depth now reached. The people here are alive to the great things they have, and propose to let the world know that they desire labor and capital to come into their midst and help to develop this new

El Dorado. The mines I have referred to have already received notice and are known. One or two which have come under my personal vision I will refer to here. I propose to visit all, and will refer to the

The first is the Little Sadie, which has a true fissure vein 5 feet between walls cut square across the formations and car ries mineral across its entire width. This mine has a 28-inch pay streak that assays from 57 to 444 ounces. Mineral is shown 250 feet from the upper to the lower tunnel. There are three tunnels in—No. 1 40 feet; No. 2, 24 feet; No. 3, 15 feet.

The Santa Clara mine is another of the more recently developed interests. This has a main working shaft 65 feet deep. From the bottom of the main shaft is an incline of 65 feet and there is a 55-foot level on the bottom of this shaft, all in solid mineral. Another shaft has been sunk 35 feet deep, with a level of 40 feet in solid mineral. This ore, as well as the majority taken from the working mines of this section is what is known as "milling ore," and can be milled at a low cost. There are now many tons of ore on the dump.

The Mountaineer, another newly devel oped mine, is located in the Trout Lake mining district. This is a true fissure vein, 4 feet between walls, with a 16-inch pay-streak and assays show it is worth from 50 to 183 ounces. The ore carries brittle silver and gray copper. This is supposed to be an extension of the Silver Belle, one of the best paying mines in

Another daisy in this Trout Lake mining district is the Big Casino lode, which is a true fissure vein, 6 feet between walls, with a 16-inch paystreak, carrying brittle silver, sulphurets and gray copper. Mill runs from this mine show 109, 173, 583, 428 and 908 ounces.

MILLING FACILITIES NEEDED. My observations thus far teach me one great need of this section, viz milling facilities. Fifteen to one of the mines hereabout develop "milling ore," which has to be transported for treatment. There is a smelter here, but it does not meet the requirement. What is wanted, is a mill capable of doing the work now, and it would seem that now is the time for it. to be erected. The ease with which heavy and sleds across the ranges during the winter season is far greater than the same work can be done after the thaw commences. I learn that negotiations are on foot for the erection of a mill of ample size, with tramways, etc., that will be able to promptly do the work of the mines now under way, which could at a low estimate, furnish 400 tons of ore daily to the maw of the machine. Facts and figures thus show that the time for its establishment is now; as the coming spring, with the advent of the rails and the iron horse of the Denver & Rio Grande railroad, promises to quadruple all the work heretofore done in this locality.

Rico, November 13 .- Your correspond- Byfield own it.

ent has just returned to the smelter of the Grand View Mining company, which is now in successful operation, and has Geo. S. Barber, of Ouray, is showing the language of one of the employes, 'The ores melt like butter." I saw in sight, as the product of five days' work,

courteous in explaining the workings of the institution. He states that there is no trouble about many of the ores obtained here smelting; that there are abundance of lead ores and that there is more than enough offered to keep the smelter. than enough offered to keep the smelters at work. After a thorough trial, Mr. Hardess professes himself entirely satisfied with the smelter satisfied with the smelter smelter is more county clerks from recording locations of a name already in use in the mining district. There is a similar law prohibiting fied with the quality of coke produced from the coal banks within a mile of the town. The coke is, he states, fully designates some other office within the saw. And so confident is Mr. Amos Lane, the manager of the Grand View company, with the recent operation of the smelter that he had been allowed by a blessing and save endless confusion and misunderstanding. that he has already begun his preparations for the erection of another furnace this winter.

The ore now being treated is a lot of 500 tons from the Grand View mines. The St. Louis and Bancroft mines, on

A STAMP MILL AND SMELTER

chinery of this mine are of the most sub-stantial and solid character, and the machinery is working beautifully. Although known or fully appreciated until it had pierced in every direction for one hundred feet, no end has been reached to the operate mines are benefitted more than mineral deposit in this mine. It would seem that the entire body is an immense mineral deposit. As the work goes deeper into the mine the ore is becoming of a higher grade. Mr. E. P. Suydam, the higher grade. Mr. E. P. Suydam, the general superintendent of the Wabash, is now East presenting the claims of Rico to the outside world.

tising does not pay," and yet the fact is that the town in which they do business would be unknown, the railroad over

cently, the average value received per ton being \$265. It is estimated that there is in this group a million dollars' that it "does him no good," he might just

worth of ore in sight. The Santa Clara company are making support of the courts and police force, on arrangements to erect a mill this winter. This company owns a valuable mill-site, and does not need any officers. There probably the most eligibly located in the camp, and the erection of a mill will enable smaller mine-owners to utilize the in every community, and every day approduct of their properties to far greater | propriating to their own use the fruits of

out the camp. The weather is pleasant and mild, with but little snow.

would be terribly shocked if they should be charged with stealing wood from their and mild, with but little snow.

In my next I will give you a list of mines not heretofore mentioned, on which work is to be continued during the commercial that in one case the law can reach them, and in

FIFTY-FIVE stamp mills in Arizona Territory aggregate 585 stamps.

The Mohawk, up Horse gulch, is soon

to be worked by the company which owns THERE are many prospects around Rico,

which if developed a little, could be classed with paying mines.

THE South Pueblo Land and Improvement Company will expend \$1,000,000 next spring in building alone.

A NUMBER of heavy sales have already been made of Rico mines this fall, and several are under negotiation.

Sam Burghardt has been working the Ute and some mineral was discovered last week which is not to be sneezed at. The Little Minnie, up Silver creek, will

ter. There is a 90-foot tunnel on it now. A contract was recently let to John Schnelle to sink a 50-foot shaft on the Dundas lode, on Dolores Mt. This that an examination be made, he has

The Grand View has been worked considerably lately and the miners are now engaged in stoping down mineral. This will always be one of the many mines of sufficient means to develop their properthis district which will steadily pay ore.

The Roderick Dhu, is owned by a company, whose headquarters are Polo, Ill.

There are at present two tunnels on this property, one of 100 feet and anoth er of 40 feet. On Nov. 28, Geo. San-born commenced to sink a shaft which is intended to fully develop the mine.

A tunnel of 30 feet has been completed on the Expectation tunnel (not D. V. M. Co's.) up Horse Gulch, just beyond the Puzzle Extension. This is intended to be a strictly tunneling enterprise, and

The Detroit is situated down the river five cents a box everywhere, about 11 miles, and joins the Yankee Blade tunnel. Two shafts have been sunk in the contact, which is about 16 machinery can be transported by teams feet in width, the first one being 74 feet of your rest by a sick child suffering and in depth and the one recently finished being 81 feet deep. This is the property of Geo. Hayes and C. H. Byfield.

> on the Bay State, about 1 mile from town | There is not a mother on earth who has up Silver creek, which is an adjacent ever used it who will not tell you at once property to the Wide Awake. The detail that it will regulate the bowels, and give sists of a shaft 16 feet deep and a drift to the child, operating like magic. It is 63 feet in length. A new tunnel to be perfectly safe to use in all cases, and 100 feet long is now started and it is pleasant to the taste, and is the prescrip thought that the winter's development tion of one of the oldest and best female will show up something. The cre is not very high grade, but there is a body of it Sold everywhere. 25 cents a bottle. 12 feet wide. The character of the ore is oxide of iron and lead. Hayes and IT is said there are 17,000 mines work-

> The Riverside lode, situated adjoining been for five days, without a break. In some fine ore in the latest workings, the next summer, with every prospect of tak-Mr. Hardess, the metallurgist, who is ing out pay ore. This mine is the propin charge of the smelter, was formerly at the Grant works. He has a thoroughly systematized force, and was exceedingly equal to any Pennsylvania coke he ever | boundaries of the commonwealth. Such

Help Your Local Paper.

From the Denver Republican.
This is the season of discontent of the publishers of papers in the mining camps in the mountains of Colorado. Expectation mountain, are also delivering to the smelter, each five tons daily, of galena ore.

In the mountains of Colorada.

few exceptions the mines are closed, business is dull and a large portion of the population is seeking winter quarters in lower levels. The latter class are too Mr. Waring, who has been here for prone to forget the enterprising publisher ome months experimenting, as agent for who remains behind in the mountains, an Eastern company, yesterday let contracts for the erection of a stamp-mill may advertise the camp and benefit the and smelter. The terms of the centract very men who in their comfortable east fix the date of completion April 15, and ern homes are forgetting "that little bill" the works will be in operation by June 1. for printing and do not have sufficient Mr. J. L. Roudebush, the assistant thoughtfulness to remit the amount of a manager of the Wabash mine, has a force year's subscription, or of inducing neighof men at work. The buildings and ma- bors or friends interested in the district

No camp has ever yet become properly to the outside world.

The Newman group, probably the richest, so far as developed, mining property in the camp, is daily producing from twenty-five to thirty tons of ore, with a limited force. The ore from this group has been shipped in large quantities recently the average value received per and when a many refuses to contribute to as well refuse to pay his taxes for the pecuniary benefit than the present costly other men's labors by reaping the bene method of shipping to Pueblo and Argo. fits of the newspaper without contribut Work is progressing briskly through- ing a cent to its support, and yet they the other it can not; but morally, it is just as dishonest to steal the fruits of your neighbor's enterprise as to steal his fuel or chickens. Too much credit can not be given to the weekly paper for the work it has done and is still doing for the benefit of this country.

A Truthful Pointer.

Now is the golden opportunity for capitalists to invest in the hundreds of undeveloped prospects at Rico. We will make it as plain to you as you would have us. Note these things:

1. A mine is a mineral producer, giv ing a profit to the possessor, after mining the dirt, ore or quartz, and reducing the same to gold or silver.

2. Prospects are not mines, but simply prospects which must necessarily promise to be mines, with sufficient de-

3. Among the many thousand prospectors throughout the various mining districts of the world, the majority are not millionaires, but penniless laborers in the advancement of the mining indusreceive additional development this win- try, who receive, generally, as their compensation, the effects of the prejudice which has grown so largely in capital's location is the property of Keim, Pence something to sell, and evidently needs money; too often he is compelled to sell for a paltry sum, with which to purchase

low figures, to enable them to develop.

A Cough, Cold or Sore Throat should be stopped. Neglect frequently results in an incurable lung disease or Consump-Diseases. For thirty years the Troches have been recommended by physicians and always given perfect satisfaction. They are not new and untried, but hav ing been tested by wide and constant use for nearly an entire generation, they have attained well-merited rank among the few the cross-cut will intersect several veins staple remedies of the age. Public speak in its course, and has a good prospect. ers and singers use them to clear and strengthen the voice. Sold at twenty

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ing in Colorado,

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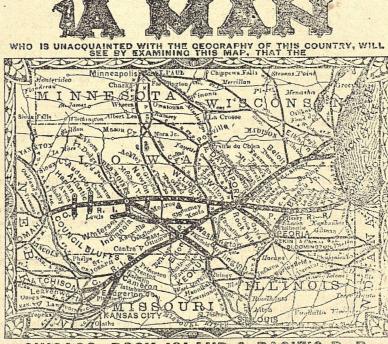
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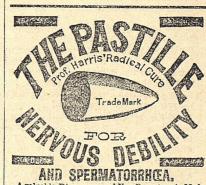
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MINING MIDGETS.

The Minnehaha, in the middle fork of Horse gulch, shows a four foot galena vein, and is owned by L. Tinnsler and

The Governor lode crosses the Wabash and is hamed for Gov. F. W. Pitkin, who is one of the owners. We hope the Gov.

The Allen is on same vein as Legal Tender and Utah, and has an open cut. Mineral assays \$21. Owners are Finney Jones and C. N. Cox.

The Larboard Watch on Dolores mountain, has a shaft of 35 feet. Assays of 65 ounces have been had. Owners are J. P. Norton and A. Krille.

The Mayflower on Dolores mountain, has a cut of 22 feet, vein 2½ feet quartz, assaying 21 ozs. Owners are J. J. Graham and J. Reed Emery. The Blind Tom is on Dolores mountain

and parallel to the Rico. It has an assessment tunnel showing about same vein and character of ore as Rico. Maria F lode on Expectation, is owned

by Marshall, McCune and Foxhall. Has a 22 foot tunnel, showing a 28 inch yein of quartz and carbonate ore. The Emma, on Dolores mountain, has a

32 foot tunnel on a 5 foot vein, which has assayed 41 ounces. It is owned by O. P. Ghrist, Wm. May and another. The Frankie Willard on the north fork

of Horse gulch, about a quarter of a mile below Rico, has assessment worked. L. F. Hill and J. W. Lyons, owners. W. G. Waring is working several prop-

erties of a group in the north fork of Horse gulch, but we have not been able to obtain particulars concerning same.

Pennsylvania on Dolores mountain, owned by J. J. Graham and J. Reed Emery, has an open cut of 10 feet, and a quartz vein 31 feet wide, assaying 15 ozs.

The Annie is at the head of the middle. fork of Horse gulch, has an open cut and 12 foot shaft and assays \$62, silver and gold. Owned by H. L. Scott and Finney

Homer on Dolores mountain, in May's gulch, owned by J. J. Graham and J. R. Emery, has an open cut of 20 feet, show ing a quartz vein of 4 feet, assaying 49

The Hap Hazard is up Horse gulch and has an 8 inch vein, as shown in the assessment, Said to run 60 ounces. Is owned by F. C. and F. H. Bishop and B.

The Mountain Meadow and Magnet adjoin and are extensions of the Chestnut and Stephens on Dolores mountain and each have a 20 foot shaft, which has not

The George Washington is at the head and on the west side of Stony gulch, has a large open cut, 16 foot shaft, assays 31 dollars, gold and silver, and is owned by Finney Jones.

The Oriental, near the Petzite, owned by Hiram Heath, Frank Morey and John Eggers, has an assessment worked. Location was made to procure more ground near the Petzite.

The Waymart and Scranton are two prospects in the south fork of Horse gulch, with mere assessments done, assaying from \$7 to \$12. Owned by A. E.

The Morning about 1000 feet

manganese, assaying from 22 up as high Jud H. Burghardt.

as 59 ounces. Shaft, 38 feet. The Bog Iron located about half a mile west of Calico Peak, on the western slope of the divide between east and west Dolores, has an assessment. L. F. Hill and Geo. Merton, owners.

The Silver Charm about 1 mile up Silver creek, has a 40 foot shaft, showing s 3 foot galena vein, which has assayed from 30 to 150 ounces. Owned by August Krille and Fred A. Cornell.

The Juniata, supposed to be an extension of the Rico, in Horse creek, has a 70 foot shaft, well timbered. Some mineral has been taken out. G. C. Horner, W. G. Waring and Miss Hull are owners.

The Iron-Clad is on the eastern slope of Expectation mountain about 750 feet southwest of town. A tunnel of 39 feet shows a 2 foot galena vein. Owned by H. D. daPonte & Co. and D. daPonte.

Little Maria in May Gulch, on Dolores mountain, adjoining Homer and owned by same parties, has two open cuts of 15 feet each, showing a vein of quartz from 4 to 9 feet wide, assaying 30 ozs. silver.

The Labrador and Iceland, two claims adjoining the Brother Jonathan on the north end. No work but assessment; no assays. Owned by Dr. H. R. Payne, of Kansas City, August Krille and C. N.

Great Western, in Horse gulch, owned by J. J. Graham, Byron Remson and J. Reed Emery, has three tunnels, one 30, one 20, and one 12 feet. A quartz vein four feet wide, assays from 8 to 116 ozs.

The Falcon, on Nigger Baby Hill, has a shaft 20 feet deep, from the bottom of which is run a drift 10 feet and has a 16 | feet. inch galena vein, which assays 40 ounces. Owners, Van R. Elliott and C. H. Car-

The Hancock, situated on western slope of divide between the East and West Dolores, has a 9 foot vein, assaying only 8 ounces. Nothing but an as sessment is done. Owned by W. H. Sockrider and Ike Yoho.

Lucy Brown is located on Expectation mountain opposite town and has a 25 Character of the ore is gafoot tunnel. lena, assaying from 22 to 49 ounces. Owned by B. E. Ladd, Hill Floersch, T. K. Trudell and H. C. Brown.

streak: assays (in pockets) 40 ounces. August Krille and the Hermosa Mining Association each own one half.

6 feet wide, on the western slope of Dolores mountain and has a 51 foot tunnel and an 18 foot shaft. Assays 33 ounces silver and 2 ounces gold. Owned by O. silver. Owned by C. N. Cox, who has silver and 2 ounces gold. Owned by O. silver. Owned by C. N. Cox, P. Ghrist, Frank Medley and Walt Evans. made application for a patent.

MINING MIDGETS.

The Sailor Boy in Horse gulch about 4 miles from town, has a vein 41 feet wide, which averages 18 ounces across the vein. Owned by T. R. Grigsby and Jas. N. Hall.

The Salamander located in Aztec gulch, on Expectation mountain, has a 25 foot cut and shaft from end of from 30 to 40 feet. Is being worked now. Owned by Chas. Forsberg.

The Idaho, opposite the Dolores cañon about 200 feet from the Blackbird, across the river, has a tunnel 30 feet, and assays 22 ozs. silver and a little gold. Owned by Frank R. Lewis et al.

The Live Pine on Expectation mountain, across the river from Rico, has a 40 foot shaft, assays from 10 to 50 ozs. carrying some lead. Owned by Jud H. Burghardt and H. C. Brown.

The Tornado is about 1 mile north of ohnny Bull and has a 90 foot tunnel and 20 foot shaft. Assays have been had of 19 dollars gold, 20 ozs. silver and 53 dollars gold. Owned by C. N. Cox and Finney Jones.

The B. F. Butler is on the south slope of Nigger Baby Hill, crossing Alma Mater No. 2 and has a 20 foot shaft, showing a 15 inch vein, which assays 37 dollars in gold and silver. Owned by Steele Bros. and N. J. Bradley.

The Snowslide is on Expectation mountain, about 11 mile from town, and has an incline shaft of 25 feet and a vein of four feet, which assays 30 ounces. Owned by Thos. Radigan, W. C. Brown and Henry A. Barraclough, of Trinidad.

The Great Western up Horse creek gulch, opposite Petzite creek on the Expectation side, shows a 4 foot vein of copper, iron and black manganese, assayng 25 ozs. Pay-streak 8 inches wide. Owned by Henry Cummins, of New York.

The Snowbank is about 2 miles up the river and has a 4 foot vein, which has assayed from 40 to 90 dollars. It is on the vein as the Eclipse and is owned by A. D. Burrows and Hutchinson of Kansas City, D. A. McGraw and T. B. Town.

The Little May is on the southeastern slope of Telescope mountain and has a 60 foot shaft, showing a 4½ foot vein, which carries manganese and galena, assaying from 30 to 103 ounces; paystreak 21 feet. Owned by D. R. McDonald and J. W.

Strayer. The Climax adjoins the Tex on Dolores mountain and has a 30 foot tunnel, timbered. An extension of the same is the Ajax with a 35 foot shaft. Owing to a misunderstanding between the owners, it is impossible to determine to whom it

The Minnehaha in the north fork of Horse gulch crosses the Rico and has a 20 foot tunnel showing an 8 foot vein with a pay-streak of 10 inches; assays clear across the vein, 23 ounces; highest assay, 69 ounces. Owned by A. O. and T. F. Terry.

The Waltham, on Dolores mountain has a 50 foot tunnel the width of which is insufficient to determine that of the vein. Ore is spar and manganese, assaying 21 ounces across the vein. Owned by T. R. Grigsby, S. Enfield, C. S. Kelley

The Morning Star group is located about 1000 feet west of the Johnny Bull Cobb and Finney Jones.

The Denver is a true fissure vein owned by W. M. Sherry and Gus Misch. It has a 4 foot vein of carbonized quartz and assays from 10 to 43 ozs. Owned by

The Alleghany is on Dolores and crosses the Black Hawk. It has an open cut of 25 feet and a tunnel 15 feet on the 4 foot vein, which has a pay-streak of 15 inches, which assays from 30 to 125 ounces silver and a little gold. Owned

by Terry and Townsend. The Bellaire is on the western slope of Dolores mountain 1 mile from town and s a fissure vein developed by a tunnel of 23 feet. Width of vein, 9 feet; character of ore, galena; assays from 52 to 88 ounces. Owned by O. P. Ghrist, Frank Medley and R. C. Darling.

The John B. and Stephen B. are two locations on the same vein on the north slope of Expectation mountain and have a cross-cut tunnel 61 feet long run on the line between the two. Owned by G. W. Miles, S. S. Sharp, D. E. Cornell, et al, who have applied for a patent.

The Little Emma in May's gulch on Dolores mountain, owned by Wm. May, Byron Remson, O. P. Ghrist and J. J Graham, has one cut 18 feet, another of 12 feet, and a tunnel started in 6 feet. Vein 4 feet of quartz, assaying 24 ounces silver and 1 ounce gold per ton.

The Gem of Beauty, a '79 location, is on Silver creek and joins the Gulch and Happy Jack lodes. It has a contact vein. 2½ feet thick, and an open cut of 12 feet and 15 foot shaft. Assays from 4 to 80 ounces. Owned by Wm. J. Mulholland, Silas Alexander and A. O. Terry.

The Stevens, in reality one of the Newman group of mines, located in the same mineral, is owned by Harry Irving, Theo. Barlow. It is developed by a shaft of 48 feet and a tunnel of 90 feet; the owners expect to reach the contact in 20

The Black Bear about one mile west of Calico Peak, owned by L. F. Hill, and Geo Merton, is developed by a 40 foot tunnel, 100 feet of an open cut and another tunnel of 75 feet, also a shaft of 10 feet. Character of ore is man-92 ozs. silver. Mineral in all the work-

The Hidden Treasure, in Willow gulch, ust opposite the mouth of Scotch creek, has a 41 foot tunnel, which was intended to cross-cut the vein, but did not; a shaft f 22 feet constitutes all other work. On the surface assays were had of from 2 to

The Harriet is in the north fork of The Mountain Monarch is a fissure vein | cut in breast of drift. Vein has been

The Dolores News.

JONES & HARTMAN Editors and Publishers.

RICO, COLORADO,

TERMS IN ADVANCE : Three Months..... Single Specimen Copy.

D. & R. G. Time Table.

[San Juan and New Mexico Division and El Moro Branch.]

Ly Denver... 7:30 p ml Ar Denver... 6:55 a m Ly Pueblo... 1:25 a m Ar Cuchara... 4:12 a m Ly Cuchara... 10:11 p m Ar El Moro........... Ly El Moro... 7:00 a m Ar Alamosa... 9:40 a m Ly Alamosa... 4:40 p m Ar Antonita... 11:05 a m Ly Alamosa... 4:40 p m Ar Espanola. 8:10 p m Ly Athonita... 3:20 p m Ar Espanola... 8:10 p m Ly Espanola... 6:20 a m Ar Durango... 12:55 a m Ly Durango. [Emigrant Train.] Lv Denver... 9:00 p m Ar Denver... 12:35 a m Ar Pueblo... 9:30 a m Lv Pueblo... 10:30 a m

ARRIVAL AND DEPARTURE OF MAILS. Post office open from 8 a.m. to 8 p.m. On Sundays from 9 to 10, a.m. and one hour in the evening after the mail arrives.

Registry and money order windows open from 8 a.m. to 5 p.m. No registration done or money orders drawn on Sunday.

Mail made up at 9 p.m. Mail made up at 9 p. m.
MAIL VIA OURAY (DAILY).

SOUTHERN MAIL (DAILY EXCEPT SUNDAY). A. K. PRESCOTT, P. M.

DOLORES COUNTY OFFICERS. COUNTY JUDGE—L. V. Rosser.
CLERK AND RECORDER—F. W. Raymond.
SHEBIFF—J. Summa.
TREASURER—B. B. Cushing.
SURVEYOR—Frank W. Gove.
CORONER—A. H. Mundee.
SCHOOL SUPERINTENDENT—S. N. Miller.
ASSESSOR—J. P. Nortou.
COMMISSIONERS—S. H. Burghardt, S. W. McCormick, A. A. Waggoner.

I. O. O. F. Silver Crescent Lodge No. 40, holds its regular meetings at their hall Wednesday evnings, at 8 o'clock. visiting brothers are cordially invited to atend.

J. SUMMA, N. G.
LEON EGGERS, R. S.

PETER FINNETY, of Leadville, is in

JOE LACOME came up from Durango

A. D. DEMASTERS came in on this vening's buckboard.

in Rico this evening. W. W. SPAULDING goes to the Los

AUGUST RISCHE, of Leadville, arrived

Pinos valley next week. FRANK RAYMOND will be in town the irst of next week for a few days only.

D. J. Shaw has returned to Durango, after making come purchases of town and mining property.

shops. Loss, \$10,000. ALL parties having town lots or min-

ng properties for sale or those desiring to buy will do well to call on A. H. Mundee, whose advertisement appears

Cory, Denver, who was here a few days ing his victim in the calf of the leg from same parties, has same development and here in February to erect a ten stamp was sent to Fort Lewis for the doctor, mill for a Cincinnati Company.

IF any mining notes handed in for this issue of the NEWS have been omitted, it is unintentional, and in such case of acmade known at this office as early as possible. Do not hesitate.

THE Charity ball given last week was a success financially, as well as otherwise; the Finance Committee reports gross proceeds \$101.25; expenses 3.80; net proceeds 97.45. A committee has been appointed to look after the proper expenditure or outlay of the proceeds.

REV. H. P. ROBERTS, who has been pastor of the Congregational Church at Silverton, has resigned his position and will soon go east. Mr. R. was as well calculated to fill his position in a mining camp as any other minister who ever breathed. He has more friends among all classes than any other San Juan minister. Parson Hoge, of Durango, does not live in San Juan or he would come in for his share of the credit.

Note:-All who are directly or indirectly interested in Rico and its mines, and who want its local and mining news. can do no better than read the Dolores NEWS. It will contain carefully prepared and correct statements of the new discoveries of mines, new strikes in the mines, developments, assays, mill runs, bullion products, gold and silver. Reports of the general progress of the camp such as can be obtained by the publishers, will be furnished to our readers each week. We shall at all times, endeavor to give facts Brown Potatoes, and true statements in giving the news Green Peas, of the camp. Our circulation is increasing with Rico's progress, and we desire to reach as large a number of readers as is possible, to enable us to give some idea to the world, of Rico's richness. Many of the citizens of Rico are sending the Mince, News to their friends in the East, as a The Brother Jonathan is about \frac{1}{2} of a \quad 94 ounces from a 4 foot vein of carbonate \quad News to their friends in the East, as a mile north of the Johnny Bull and has a \quad and galena ore. Owned by J. L. Haines \quad substitute for a letter, to inform them of their mining operations here, etc. We wish to circulate the NEWS largely in the Horse gulch and has a tunnel 125 feet East, and clubs of five copies will be sent long, with a drift of 15 feet and chamber East one year for \$12, paid in advance. In making this great reduction, we would be compelled to demand the payment in-

> Very Respectfully, Jones & Hartman, Publishers of the News, Rico, Colorado.

I. O. O. F.

SILVER CRESCENT LODGE NO. 40

Gave Their First Grand Ball Last Thursday Evening,

Which was the Largest Social Gathering ever Witnessed in Rico.

people filled the hall to its utmost capaccompetent floor managers made it pleasant for all. Nothing occurred during the evening to mar the pleasures of the occasion, but on the contrary, it was an affair of the most enjoyable for all who attended. In their new and handsome regalias, and with their united efforts to please, they presented a most admirable appearance on that evening, and the success of their future like undertakings is insured. Messrs Jerome Johns and John Moss, of Durango, were secured as leaders of the excellent music furnished.

Instead of having to pay out a large sum of money as expected, the lodge received a snug profit.

So young as is the order it is in easy circumstances, owning a commodious two-story building, the lower part of which is rented to the Colorado militia company here.

J. P. Norton returned from Durango on Thursday.

The Frink---Rush Shooting Has A Fatal Ending.

We regret to learn of the death of Geo. Frink, the boy who was shot at Bauer's store on the Mancos, on the 15th inst. George was well known here and was liked and respected as a quiet, orderly young man. A letter received from the scene of the trouble, written before Frink's death gives the particulars in the following language: 'It seems that on the night of the 14th at a dance, the Rush party tried to raise a row with the Frink's. the former having more liquor aboard than was good for them, the latter being sober. Oo the following day about 10 o'clock a. m., Jimmie Frink and Martin A FIRE at Fort Lewis on Christmas day Rush were quarreling and Frink struck destroyed the blacksmith and machine Rush over the head with a pistol and Rush Sr. ran towards Frink and was struck by a six shooter in the hands of Geo. Frink, a brother of one of the combatants. Rush Sr. went to his house (he lives within a stone's throw of the store where the fight was) and got his Winchester and returned to within 25 or 30 MR. MONTGOMERY, of Montgomery & yards of George and fired, the ball strikago, writes to a friend that he will be the rear, breaking both bones. A runner mineral. who says there is but one chance in a hundred to save his leg. George is a good boy and has many friends in the valley, who are ministering to his wants at Bob McGrew's ranch, 11 miles from the Mancident or oversight, we desire to have it cos. It is supposed that the row was caused by a feud between the two parties which originated last winter, Charlie Frink having been stabbed in a number of places by friends of the Rush party. Everything is quiet here now, but I fear

there will be a sequel to the shooting." WE want the names of all the mines in this district, which do not appear in this issue. Come in and tell the truth.

Grand Central Hotel, Durango.

MENU. SOUP.

Cream of Potatoes. FISH.

Baked Mackinaw Trout with Duchess Potatoes. BOILED. Ham, Champagne Sauce,

Leg of Mutton, Caper Sauce, Chicken, Egg Sauce. ROAST. Sirloin of Beef, Loin of Pork, Apple Sauce, Turkey, Cranberry Sauce.

Venison, with Jelly. ENTREES. Chicken Pie, English Style, Souple of Brains, au Bechamael. Larded Tenderloin, with Mushrooms Cocoanut Puff Fritters, Wine Sauce. COLD DISHES.

Gallentine Turkey, Shrimp Salad, Lobster Salad. Escalloped Veal, VEGETABLES. Mashed Potatoes, Asparagus, on Toast,

Lima Beans, Tomatoes. RELISHES. Halford Sauce, Cheese, Chow-Chow,

PIES. Cocoanut Green Apple. PUDDING. Cottage Pudding, Lemon Sauce

Pickles,

Catsup.

New England Plum Pudding, Brandy Raisin Cake, Fruit Cake, Cocoanut Cake, Jelly Cake. DESSERT.

Raisins. Fruit, Coffee:

Rico Mountains Mining Company.

[INCORPORATED SEPTEMBER 22, 1880.]

GENERAL OFFICE AT THE BANK OF DOLORES.

Rico, Colorado.

-Stock Full Paid and Non-Assessable. CAPITAL, \$1,000,000 IN 100,000 SHARES AT \$10 EACH. 35,000 SHARES

Are reserved and can be sold exclusively for Working Capital. Its Officers are residents of Rico, and serve without compensation.

THE COMPANY OWN TEN GOOD PROPERTIES, ocated upon the several Mountains near Rico, and a pledge is given that the company shall be made a good one, and shall be managed with honesty and skill, and solely in the interests of its stockholders.

BEVERLEY R. KEIM, President. JOHN BISSELL, Sec'y and Treas'r. EBER C. SMITH, General Superintendent.

Printing of Every Description ity, and though somewhat crowded, the In the Highest Style of the Art,

-AT THE-

Dolores News Job Office. LETTER HEADS, BILL HEADS, NOTE HEADS, STATEMENTS, CIRCULARS, ENVELOPES, BILLS OF LADING, RECEIPTS, TICKETS, BUS-

INESS CARDS, BALL PROGRAMMES AND INVITA-TIONS, AND EVERYTHING PRINTED. With the newest and most complete Job Printing Outlit in Southern Colorade, we are prepared to do as fine work as is done in the West, and for style we will not be beat in Colorado, any where. We have all kinds of Fancy Types and Borders that are required to do the

JONES & HARTMAN, Corner of Campbell and Clasgow,

RICO, COLORADO.

A. T. & S. F.

The Atchison, Topeka & Santa Fe R'y, The Popular Southern Line.

FROM THE MISSOURI RIVER TO THE PACIFIC OCEAN, THE GREAT-EST AND MOST LIBERAL CORPORATION ON THE AMERICAN CONTINENT, AND THE BEST MANAGED AND EQUIPPED ROAD ON EARTH. THE MAIN LINE

From Denver, Leadville, and all points in Southern Colorado to Atchison, Kansas City, and all Eastern cities. All passenger trains equipped with air brakes, Miller platforms, and all the modern improvements.

Pullman cars on all trains between Pueblo and the Missouri river. The only Line—via Colorado Springs and Manitou. Through tickets on sale at all principal stations. Rates always as low as by other lines. Baggage checked to destination. W. F. WHITE, General Passenger Agent, Topeka, Kansas.

Trout Lake Mining District. Trout Lake Mining District is situated near the head of the Rio Dolores, sixteen miles northerly from Rico. A new town has been started there lately, which is

called New Chicago. The Little Mintie, owned by Graham, Emery and Knuck Lee, has a 14 foot cut showing a 3 foot vein of quartz and galena, assaying 50 ozs. silver.

The Little Hattie, owned by J. J. Graham and J. Reed Emery, hes a 10 foot cut, showing a 4 foot vein, assaying 49½ ozs. silver and trace of gold; two other assays gave respectively 108½ and 149½

The Little Sadie, owned by J. J. Graham and J. Reed Emery, has 12 foot cut showing a 2½ foot vein, assaying 52 ozs. silver-20 per cent lead. The Mountain

W. A. Koneman, who owns mining property in the Pioneer District, owns valuable property at the Trout Lakes. As this gentleman is now in the East, we cannot learn the names of all of his properties or the development done by Among the best properties in the district, so far as development has been made, are the Black Bear, Hidden Treasure, Mountain Queen and Vermillion mines. The general character of the ore is galena, brittle silver and gray copper. An assay as high as 1100 ounces in silver was obtained from a small selected sample. Vermillion ran as low as 45 ozs. silver. Other assays range from 90 to 312 ozs. A syndicate was formed in Chicago, Ill., represented by Mr. W. A. Koneman, whose purpose it is to operate

in this district.

The Shamrock. The Shamrock on the east slope of Expectation mountain, at the west side of Rico, owned by S. H. Burghardt, Thomas Carroll, Mike Murtah, A. C. Harris, Col.

has not been reached.

Everybody connected with the Puzzle has received instructions to keep mum on all affairs connected with the mine, consequently we can give nothing except that it is being worked and is held in trust for an English company by J. K. Goodnow and J. B. Dumont, of New York. It is well known to be a splendid and a productive mine and the numerous mill runs on its ore have been very high. Lovett, its locator, received \$70,000 for it.

The Viotoria is near the head of the north fork of Horse gulch and has a shaft 20 feet and tunnel of 30 feet, showing a vein of 12 inches. Owned by Worden Grigsby, A. Boaro and the Goeglein family. derstand that Boaro's interest has just been sold. Cannot find any person here now to describe the property and give assays or mill runs, the owners all being out of town.

The Campbird is an adjoining end location of the New man and has a shaft 205 feet deep which has not yet struck the contact. Work was impeded by water and the owners say that pumping machinery will be on the ground and in operation before mid-summer. Owned by Messrs. A. D. Demasters, A. A. Waggoner and August

MINE jumpers will be out in force tonight, and at 12 o'clock woe be unto the assessment-lacking prospect.

The Darling of the West, on Telescope mountain, has an assessment only, but shows a four foot vein with pay-streak of 9 inches, assaying 25 ounces. Jas. N. Hall and T. R. Grigsby.

W. H. T. BARNES, who presides over the postoffice drug store, at Rico, will receive subscriptions for the Denver Republican, daily and weekly, and orders for advertising.

NOTICE TO TAX-PAYERS.

The tax books of Dolores County are now open for the collection of taxes. Call at my office in the Thompson building and settle before January 1st, 1882, and save the interest. The books will be kept open

and can be seen at all hours of the day.

A. H. MUNDEE, Treasurer

PUBLIC NOTICE. BIDS FOR BUILDING COUNTY BRIDGES The Board of County Commissioners of Dolores County, Colorado, hereby give public notice that a contract will be let to the lowest responsible bidder for the building of two (2) bridges across the Dolores River on the public highway, between the town limits of Rico, and the mouth of Scotch Creek, according to the plans and specifications thereof in the office of the County Clerk of said County. All bids must be presented

sealed to the County Clerk on or before January 2d., 1882. A. A. WAGGONER. Chairman Board of County Commis-

FRANK R LEWIS,

Attest; Deputy County Clerk. A Cough, Cold or Sore Throat should be stopped. Neglect frequently results in an incurable lung disease or Consumption. Brown's Bronchial Troches are certain to give relief in Asthma, Bronchitis, Coughs, Catarrh, Consumption and Throat Diseases. For thirty years the Troches Swallow and H. C. Brown, has an 8 foot have been recommended by physicians, crevice of carbonate matter, which gave and always given perfect satisfaction. a mill run test of 52 ozs. silver, an aver- They are not new and untried, but havage of the vein, (20 per cent lead.) De- ing been tested by wide and constant use relopment consists of two tunnels and an for nearly an entire generation, they have open cut, one tunnel of 70 feet and an attained well-merited rank among the few ther of 40 feet. In the latter the vein staple remedies of the age. Public speakers and singers use them to clear and strengthen the voice. Sold at twenty-

"Dolores News,"

five cents a box everywhere.

A WEEKLY NEWSPAPER, PUBLISHED AT

RICO, COLO.

The NEWS is conducted in the interest of the Mining Industry of Colorado, (especially of San Juan and the Dolores Carbonate camp) and upon the plan of a legitimate newspaper enterprise. Has a large and growing Circulation.

One copy one year. \$3. One six months, \$1.75. One copy, three months, \$1.

JONES & HARTMAN, Publishers. RICO. COLORADO

A. H. MUNDEE.

Real Estate and Mining BROKER,

Notary Public and Conveyancer.

Rico, Colo,

McCune, Foxhall and Marshall, owners of the Jennie H., on Expectation mountain, have run an 18 foot tunnel, and developed a four inch vein.

The Palindrome is located on Expectation mountain, and is owned by B. E. Ladd and Geo. Gerrell. Width of vein 2 feet. Assays from 14 to 28 ounces silver on the assessment work.

The Rarus, on the middle fork of Horse gulch, located by the celebrated Pat Murray, and belongs to Hill Floersch, B. E. Ladd and Pat Murray. Assays 30 ozs. Width of vein on first assessment work, four feet.

The Leadville is owned by M. A. Bean, Van R. Elliott and Max Hippler and has a tunnel 100 feet long, which is still being worked. It shows a 2 foot vein of galena ore, which assays from 12 to 50 ounces. Nigger Baby Hill holds the location.

The Mountain View on Dolores mountain 300 feet southeast of Sundown is owned by Max Hippler and James Sutherland and assays 15 ounces across the vein of 2 feet, which carries a kind of pink clay. Development, 70 foot tunnel.

The Comstock, located on Silver creek, joins the Wide-Awake, Little Maggie and Black Hawk. A tunnel of 25 feet shows a five foot vein of manganese, copper and galena, assaying from croppings, 32 ozs. silver, and 26 per cent lead. Suydam, Marrs and Middelton are the owners.

The Embryo is situated just west of the famous Petzite and Sinbad mines and has a vein of about 5 feet of carbonate of iron ore, which assays 51 ounces. A tunne and shaft, each 25 feet long, constitute the development. Owned by George W. Spencer, W. T. Denison and Wm. Frazier.

foot cross-cut, situated just above the Grand View, the workings being 50 feet Character of ore is same as the Grand View, oxide of iron and manganese, assaying from 25 to 500 ozs. silver.

The Morning Star is owned by Fred W. Reed, Richard Pohl and J. R. Holibaugh. It is situated about 1,000 feet northeast of the Johnny Bull, on the west side of the divide. Vein four feet wide, which can be traced 500 feet on the surface of the mountain. Several claims are located on this vein.

The Condor, in Horse gulch, owned by Max Hippler and George Hayes, has a 30 foot shaft and 20 foot tunnel. It has a 3 foot vein of galena and zinc-blende, assaying as low as 18 and as high as 280 ounces, but with the exception of the last named, would not at present average over 25 ounces. Vein, 3 feet wide.

The Smuggler, on Telescope mountain, is a parallel claim to the Mammoth mine. About 60 feet of tunneling has been done. A four foot vein of galena and manganese assays well It is one of the first locations on the mountain, and is owned by Harrison Howe, J. W. Summers and C.

Crossing the Wabash and parallel to the Blue Jay, is the McCoy, a location on the same vein as the Santa Clara. Its development consists of a 40 foot shaft disclosing a vein of ore almost identical with the Santa Clara, of carbonates of lead, oxides of iron, copper and manganese, assaying from 23 to 65 ozs.

The Nettie B. is owned by Fred W. Reed, T. K. Trudell and J. R. Holibaugh, and is situated on the divide, between east and west Dolores, running parallel with the Brother Jonathan. A 14 foot shaft and an open cut of 12 feet, has not yet cut the vein. A cross-cut of forty feet is expected to reach the vein.

The Flying Fish lode is located on Expectation mountain, facing towards Horse gulch, and is the property of Wardell and Rudolph. It is developed by a 60 foot tunnel, which shows a 6 foot vein assaying from 10 to 80 ounces and is composed of free-milling ore. Its owners are now working it and will do so all winter.

The Burro is a parallel claim to the Bertha, owned by J. L. Roudebush and others. A 20 foot shaft and 20 foot tunnel develops the property. The character of the ore is peacock iron, carbonate of copper, copper glance and galena; refractory in the extreme, assaying from 17 ozs. upwards. Width of vein is un-The Burro may turn out to be a good pack mule.

The Comstock, on Expectation mountain, is owned by Louis Schueler and Joe Dauw and assays 9 ounces in silver and a trace in gold on the surface. Width of vein is 6 or 7 feet and contains a streak of quartz 18 inches in width. Dauw receives a one-half interest for sinking a shaft, the work to be completed this winter, but at present only a single assessment has been done.

The Golden Fieece and Isabella are located on Dolores mountain not far from the Rico Muldoon, and are both owned by Summa & Roe. The former has two shafts, one 20 and the other 50 feet; the latter is opened by shaft to the depth of Both claims are located on the same vein which is three feet wide, of de composed quartz carrying galena, which assays 65 ozs. silver per ton.

The Lucky is owned by L. S. Dickinson and Davis (Aleck), and joins the Johnny Bull on the northeast. A. P. Ad-Johnny Bull on the normal ams, of Albany, N. Y., has recently purams, of Albany, N. Y., this mine. It is chased a third interest in this mine. considered a good prospect. A 25 foot tunnel has been constructed, which shows a two-foot vein of mineral. This is not supposed to be an extension of the Johnny Bull, but merely joins on one corner.

The Colorado Boy, owned by E. L. Davis, J. C. Howard, T. P. Kennedy and Paul Roedenhouse, situated on Expectation mountain near the Puzzle, and the Silver Heel, situated near and owned by the same parties, are extensions of the Hoosier Girl. Veins are from 6 to 12 ft. Colorado Boy has a shaft of 55 feet and an open cut of 35 feet, the mineral taken therefrom assaying from 18 to

Venus No. 2, on Pappoose creek, Elliott mountain, owned by B. E. Ladd, has acquired a reputation that is enviable has the first assessment work done

The Gladiator, situated on Expectation mountain, near Dry gulch, and owned by Ed Flanagan, has a 17 foot tunnel, showing a six inch vein of sand carbon-

The Charles Henry and Walker lodes in Burnett Basin, are owned by Oliver Mulvey, John Cohnan, W. I. Walker and Julius Thompson. Assays from 4 to 16 onnees silver.

about 30 ozs. silver.

vein is 2 feet and assays from 2 to 46 the 1st of this month. Result was: ounces. About \$300 or \$400 has been expended in tunneling

The Hawkeye, owned by Frank Hatton and Chas. Cole, is on Telescope, about 11 miles up Silver creek. A tunnel 20 feet long constitutes the only development; between 400 and 500 ounces. Buildings width of vein, 15 inches; character of the ore is galena and assays 28 ounces. The Bull-Domingo, located on Expec-

tation mountain, at the head of Aztec gulch, has a shaft of 35 feet, uncovering a four foot vein of gray copper and car-bonate of iron, which assays, so far as developed, from 20 to 152 ozs. silver per

The Lena Davis, up Silver Creek one mile, on Dolores mountain, owned by E. L. Davis, A. O. Terry and T. B. Townsend, has a shaft 20 feet deep, showing a The Little Jim, owned by E. P. Suydam, et al, has a 72 foot shaft and 12 to 5 feet wide, assaying from 34 to 188 ozs. silver.

> The Raven tunnel, below and near Ri o, and under the Newman, has a depth of 175 feet, and a drift each way from the breast, cutting two veins in cross-cut, which carry pyrites of iron and galena. W. Holcomb, H. H. Hart, H. J. Caldwell and E. L. Davis, owners.

The Drennon, Kansas Lass and Little Lucy constitute a group up in Marguerite Basin and have developments as follows: Drennon, tunnel 20 feet; Kansas Lass, tunnel 25 feet, and Little Lucy, tunnel 55 feet. Character of mineral is quartz and galena, which has assayed 165 ounces.

The Black Diamond, on Telescope mountain, owned by John Sirrell and Harrison Howe, has an incline of 25 feet, and an open cut of 10 feet. Width of ore is quartz and decomposed matter. It is supposed to be on same vein as the Mammoth.

The Great Western, west of Calico
Peak, on the West Dolores side, has a 12
The Black Hawk, on Dolores mountain, a mile and a half up Silver creek, foot assessment shaft, which shows a owned by John Glasgow, R. C. Darling quartz vein, assaying from 15 to 90 ozs. and E. A. Robinson, has one tunnel of 35 silver, carrying some gold. The quartz feet, showing mineral on both sides and s yellow and similar to ochre, in appearance, the yein being 12 feet wide. A. H. Steele and J. L. Roudebush, owners.

The Minnie May, on Horse Creek, just above the Puzzle, and adjoining Puzzle Extension, supposed to be the same vein, has a 30 foot tunnel, which shows a vein varying from 16 to 24 inches in width Character of mineral is quartz and car-bonate of iron. D. A. Cook, D. C. Hart-composed of burned quartz, showing the well and E. L. Davis are the owners.

The Omaha, near the head of Horse gulch, just over the divide and near the cave down into the mountain, at an angle Spanking Jack and Johnny Bull is owned of 45 degrees. by Julius Thompson, G. L. Gillett, John Cohuân and Peter Hansen and has a vein between 4 and 5 feet and has assayed 74 and 115 ounces. Has two shafts—one of Horse creek, about 1700 feet southeast of

Cahn Brothers, D. McCarty and Geo. Porter, owners of the May, on Expectation mountain, have sunk a 75 foot shaft, and have a good vein of lead carbonates. four feet wide, assaying from 45 to 60 ozs. silver; this property is above and carrying gray copper, and the pay-streak, near the Puzzle Extension. A force of men will be kept at work on the mine all

The Iron-Clad is located on Expectation mountain at timberline and is developed by a 50 foot tunnel, which shows a 2 foot vein of carbonate of iron ore, which has assayed from 8 ounces up. A very small lot of ore gave assays of 456 ounces. It is owned by Julius Thompson, Louis Habermann, C. B. Meyer and the McNamara brothers.

The Cashier is owned by Fred W. Reed, Richard Pohl, and J. R. Holibaugh, and is situated on the west slope of the divide between east and west Dolores. The workings, a 24 foot shaft, are 352 feet from the workings of the Johnny Bull. It has an 18 inch vein, assaying 26 ozs. silver and 1½ ounces gold. The character of the ore is similar to the Johnny

The Ardex is developed by two open cuts, one 16 and the other 20 feet, and a shaft, 11 foot vein, 22 between walls. The character of the ore is silver, manganese, quartz and iron carbonates, and has assayed as high as 107 ounces in silver and 3-10 in gold. The quartz is fine ore, assays as high as \$5 in gold have been The Bonner is an adjoining mine to the above. The ore runs 60 ounces silver.

far as croppings are concerned, there is no better showing in the camp. Messrs J. L. Roudebush and J. W. Winkfield. which assays were had as high as 113 and owners, say they have had assays 150 as low as 47 ounces. Other higher assays ounces silver. Two veins, a contact and are claimed by others than the owners fissure—the former four feet and the latter six feet. A great deal of spar is found in a 40 foot tunnel and 15 foot not do so within 20 feet. A shaft on the cross-cut.

The Riverside, Lone Star, Bay State and Washington, a group of mines on Expectation mountain, belonging to R. C. Darling, E. A. Robinson, et al, are developed as follows: Lone Star now shows a 10 inch vein, carrying galena and cop
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The Puzzle Extension

and will be a good substantial producer for all time to come. It adjoins the Puzzle on the west and is developed by a tunnel run 125 feet on the vein and a shaft 60 feet deep, which penetrates the vein 15 feet and connects with the tunnel. A iscovery tunnel was run to cross-cut the vein and did so in about 100 feet, but is now caved in, not having been intended as permanent. Width of the vein has varied from 3 to 5 feet and a recent assay made from the mineral as sliced across The Hidden Hand, on Expectation made by Mr. Waring. About 75 tons of mountain, about half way between Hogback and St. Louis, shows a four foot Mather & Geist's and Sweet's sampler: vein in a 30 foot shaft; the character of the highest mill-run came from the first the ore is white iron and galena, assaying named, being 300 ounces, and the lowest from the last, being 140 ounces. Average mill-run of all the ore shipped out, 184 The Tullahoma on Dolores mountain, ounces. Our Grand View smelter treated s owned by J. A. Geuthener, G. L. Gillett some third-class ore, which was itself diand Julius Thompson. Width of the vided into three grades and smelted about 4,307 lbs. ran 95 ounces.

6,006 lbs. ran 86 ounces.

12,607 lbs. ran 84 ounces. Specimen assays have run as high as 1400 ounces and the lowest 238, but the average of the specimen assays would be ouses, one on each side of the mouth of the shaft, the roof between them making the shaft-house. One is used as an ore-house and the other as a boarding house. In driving 8 feet on the vein 13 tons of ore were taken and after sorting out the most worthless quartz sent the whole lot to the smelter and the result was: 2 tons gave 95 ounces, and the remaining 11 tons gave 146 ounces—both in silver. Owned by W. W. Shaw, P. H. Davis. D. K. Dunkle, Julius Thompson, H. J. Caldwell and Walter Ainslie.

Atlantic Cable. The Atlantic Cable, originally located in 1870, by parties from Fort Defiance, nd worked the following year by a company organized for the purpose of min-ng, was stopped then by the Indians, who drove the workmen away from this region. In May '78, the company having been reorganized, R. C. Darling and E. A. Robinson, members! thereof, came to where Rico now stands and begun operations, which have only been hindered by the divers notions of the other nine members, who are promiscuously scattered over the East and West. The Cable vein can be traced 200 feet in width, on the surface, and so far as developed, assays as high as 53 ozs. silver and \$8 in gold. In the original shaft a depth of 25 feet is attained, and a drift of seven feet is run at the bottom. Two shafts of ten feet each have been sunk. All the workings are in solid low grade mineral, and and an open cut of 10 feet. Width of vein is from 2 to 3 feet. Character of doubt that the mine would produce a

bottom and top; also two tunnels of 20 feet each, and a 10 foot shaft. Mineral the workings, which assays from 50 to 100 ounces silver per ton. During the short time the property was worked this season, four tons of ore were saved. In the 35 foot tunnel the workman entered a cave about twenty feet square, the composed of burned quartz, showing the effect of having been smelted by an intensely boiling heat. The hanging lime wall rock pitches from the roof of this

The Rico.

The Rico, situated on the north fork of 13 and one of 18 feet and a tunnel 20 feet. the Johnny Bull, is owned by Charlie Bullock and Frank Collier. It is bonded to W. D. Wakely and Godfrey R. Martine, for \$20,000. We are informed that the sale is consummated, but the bond does not expire until to-morrow, January 1, '82. Vein is of quartz, four feet wide, which assays from \$150 to \$850, is 12 inches wide. One shaft is 20 feet deep. Shaft No. 2, about 300 feet above, down 12 feet, and is striking same kind of mineral. A mill run on the ore, made at Mather & Geist's smelter, in Pueblo, about September 20, gave \$119 per ton. Hill's Denver works made a mill test about September 1, which gave \$117 per ton.

> Gulch. The Gulch lode is located on Silver creek in the northeastern portion of town, running into and including that portion of the town bounded by a line beginning about 800 feet northeast of the postoffice and the bases of Dolores mountain and Nigger Baby Hill. It is developed by a well-timbered tunnel on the north side of Silver-creek and running into Nigger Baby Hill-it is 65 feet long. Character of the ore is carbonate, iron and galena; a 4 inch streak running through the vein has assayed 483 and 657 ounces. On the extreme east end of the lode the owners, Theo. Barlow and Chas. Humaston, have sold 300 feet along and across the surface ground to the Chicago Tunnel Company for a tunnel site.

The Poverty lode is situated about 2 miles up the river on the west side and adjoins and is a parallel location to the Little Sadie. These two locations conflict The Tuf Nut is located on Dolores and may have a law suit. The Poverty is owned by G. W. Miles, Julius Thomp-A 52 foot cross-cut tunnel has been run vein is 15 feet.

Parlin.

Situated on Elliott mountain near the Puzzle mine, and about 1 mile from Waring's reduction works, at mouth of MINING MIDGETS.

The Schuttler, on Expectation mountain, near Horse gulch, is owned by Ger-

The Scottish Chief, a parallel claim to Mabel King, owned by B. E. Ladd and Pat Murray, has only assessment work

of Horse gulch. A tunnel of 40 feet has been run. Assays give from 20 to 40 ounces. The Clifton has an open cut and tun-

The Web Foot lies opposite the mouth

nel 25 feet on a quartz vein, assays 60 ounces of silver and as high as 31 ounces The Bradshaw is a parallel claim to the Pigeon, owned by Ed Suydam and Char-

lie Rawles, who have run a 25 foot tunnel in a slide. The Ella has a tunnel of 60 feet, showing fine galena, spar and carbonates. The vein is four feet, and assays run from

40 to 60 ounces. The Exposition named after the billiard hall in Rico, of that name, is a new find, owned by Gerrell and Ladd, with only assessment work done.

The Little Minnie is an adjoining location to the Bay State and has a shaft 20 feet deep and a tunnel 100 feet long. It has a very large vein.

The Little Pet, a new discovery and an extension of the Bobtail, on Horse creek, is being worked by the owners, the Rico Silver Mining Company.

The Belle of Rico, owned by B. E. Ladd, Geo. Padelford and Thos. Edwards, assays from 14 to 28 ozs. silver, and has a fifteen foot tunnel.

The Ocean Wave is situated in Deadwood gulch, below the Newman, and has a 60 foot tunnel. R. L. Klum, Harry Irving and E. L. Davis, owners.

The Lucky Boy, on Dolores mountain, owned by B. E. Ladd and the eloquent James Jim Brown, assays from 12 to 28 ounces silver, and has a 20 foot tunnel.

The Albatross, at the head of Horse gulch, on Calico Peak, is developed by a 30 foot tunnel, showing a four foot vein of galena, with a trace of gray copper. The Kalamazoo, on the same vein as

the Belzora, is owned by Ault, Becker and Rawson; a shaft to be sunk 25 feet, is now at a depth of ten feet; mineral improving. The Sczor, an ineffectul attempt to spell

Cæsar, on Talescope, near the Mammoth,

has a 35 foot shaft, uncovering a four foot vein of quartz and manganese, assay-The Pe-Dee, on Telescope mountain, at the edge of Silver creek, has a 25 foot tunnel, with vein from six to eight inches

wide, which is quartz. W. Holcomb, H. H. Hart and E. L. Davis, owners. The Robert E. Lee joins the Wabash and Pigeon, at right angles. Location was made on the 23d of last May. It has a 25 foot tunnel, showing a four foot vein of lead carbonates, assaying 20 ozs. The Great Eastern, 700 feet southeast from Calico Peak, has a shaft of 25 feet.

showing a four foot vein of white iron feet each, and a 10 foot shaft. Mineral has held out and improved through all A. H. Steele and J. L. Roudebush, own-The Columbus, situated on Expectation mountain, 700 feet from the Hog-back, has one tunnel of 25 feet, and an-

> The Little Jewel lode and mill-site, on Nigger Baby Hill, above the Grand View smelter, owned by Geo. E. Blake and E. L. Davis, has a tunnel at a depth of 100 feet. Mineral assays from 60 to 147 ozs.

silver. The Mabel Grey, situated at timberline, on Expectation mountain, has a 40 foot tunnel on the vein, which is from three to four feet wide, assaying from 40 to 80 a pay streak 2½ feet wide, which assays ozs. silver. D. A. Cook and E. L. Davis, 50 ounces silver and 60 per cent lead, the

owners. The Democrat is situated at the mouth of Horse gulch, under the highest point of Mt. Elliott. Development, 85 foot incline, showing a 6 foot vein, assaying 23 ounces. Owned by S. W. McCormick, A, M. Friend and W. W. Bodley.

The Lucky, on Expectation mountain, owned by Suydam, et al, has a 35 foot Character of ore is manganese and galena. It is 300 feet from Hogback and the working has been hindered by bad air. Is an excellent prospect.

The Happy Jack, on Silver creek, is developed by a 45 foot shaft, and produces mineral similar to that in Chicago tunnel, which is on same vein. Assays give from 16 to 90 ozs. silver. Sam Smith, of New

York, and Ed Suydam are the owners. The Omaha, owned by F. M. Medley and S. Enfield, and situated on the west slope of Dolores mountain, 300 feet east rom the Premier, has an incline of 75 feet on a four foot vein of manganese. lime spar and galena, assaying from 10 to 40 ozs. silver per ton.

The Belzora on the north side of Flo ral creek, in Horse gulch, owned by A. V. Becker, J. B. Menard and J. E. Ault, has a 50 foot tunnel. The mineral taken from this mine assays from 50 to 200 ounces silver per ton; vein matter is of quartz and galena, 9 teet in width.

The Paymaster is situated 11 miles from town up Silver creek on Dolores mountain and is a parallel adjoining claim to the Black Hawk. It is owned by S. W. McCormick and A. M. Friend, who have run a tunnel 40 feet and sunk a shaft 68 feet, which development shows a 9 foot vein, from which assays of 40 ounces are had.

tunnel, and shows a 4 foot vein of ore, from the shaft sunk from the cross-cut. which assays 47 ounces. It is owned by D. A. McGraw, A. K. Prescott and S. W. McCormick. The Little Mack is an extension of this claim and assays 39 ounces silver and one tenth ounce gold. Owned by Friend and McCormick.

124 ounces silver, and from \(\frac{1}{2}\) to \(\frac{1}{2}\) ozs. Silver | feet wide. Several feet of this vein will galena and copyright (assent) and solve were safety of the feet work of the feet with oxides of iron and manganesse, as similar vein, carrying galena and copyright (assent) | feet wide. Several feet and a drift of the above were safety of the feet work of the feet work of the feet with oxides of iron and manganesse, as gone or the feet with oxides of iron and manganesse, as gone or the feet with oxides of iron and manganesse, as gone or the feet with oxides of iron and iron with oxides of ir

General Logan Mine.

The General Logan was located May 23d, 1881, by W. B. Norton. The adjoining claims are the Wabash and Paymaster on the northwest, the Pigeon, Zona K. and Carlotta on the west, and the Silver Wing and Mammoth on the east. Mineral was struck at the grass roots, and a shaft seventy feet in depth has penetrated solid mineral the entire distance The Gen'l. Logan is an immense deposit or blanket vein of lead carbonate, capped with iron and copper; crops out at the surface. The ore in this immense vein is of ten feet each have been run in opposite directions and no side walls have been found. The carbonate runs from ounces silver and \$2.75 in gold 15 to 246 ozs. silver, and from 12 to 28 surface croppings; the character of 60 ft. penetrated a strata of free milling gold quartz, four feet in thickness, which reas from \$6 to \$23, coin value, in gold. The ore in the Gen'l. Logan is of the same general character as that of from the two mines when placed side by can put ten tons of ore on the dump per day, and with an expenditure of from \$1,000, to \$2,000 more of development, it will be capable of producing 50 tons of ore per day. The iron cap and carbonate which crops out at the surface, pen-etrates a strata of fine white porphyry for a few feet, and then becomes the hanging wall of the vein. At a depth of 70 ft. the shaft encounters solid limestone formation, which forms the foot wall. The vein of this property dips off to the east and south, under Telescope mountain at an incline of about 1 ft. in 10. The owners have satisfied themselves by prospecting, that the ore body extends under the entire surface ground of the claim. The owners of the Gen'l. Logan have recently had a cash offer for the mine, running well up into the thousands, which they refused. The present owners are W. B. Norton and Louis Habermann, each 1 and R. A. Rhuland, Geo. Rooke and Charles Rhode, each 1.

General Sherman Mine.

The Gen'l. Sherman was located May parallel with, and adjoins the Gen'l Logan on the east. It is owned by W. B. the erosion of the silurian strata, origi-Norton, Louis Habermann, R. A. Rhuland, nally of limited extent, has left a few has been developed in two places to the ground. At Rico, on the other hand, extent of 15 ft. in each place. In both only the strata overlying the silurian places galena and carbonate strongly have been ended. The silurian limeimpregnated with copper were found. stones are untouched and lie far beneath The owners think that the vein of the any of the mine workings yet opened, claim will be developed for all it is worth | bed at Rico. the coming summer.

General Sheridan Mine.

The General Sheridan was located the mains found in one of the thicker limezed of June, 1881, by W. B. Norton. It is now owned by Louis Habermann, W. B. Norton and B. F. Klee. It joins the tains about Rico are composed of altersoutheast end lines of the Logan and nate layers of sedimentary and eruptive Sherman. It is developed by a good substantial shaft to the depth of 25 ft. A town with greenish and bluish quartzite, small vein of carbonate similar to that of the Logan, crosses the shaft at a depth of 20 ft. It will be developed one hundred feet further the coming summer.

The Zona K.

is located on Nigger Baby Hill, adjoining the Pigeon on the southeast and 1500 feet nection with these stratas of eruptive from the Wabash. It has a 40 foot tunother of 15 feet. A vein of carbonate of lead and spar, assays from 30 to 90 ozs. silver.

Incl. showing a large vein, which assays from 30 to 90 ozs. from 20 to 100 ounces. Al. McKenzie is the sole owner of this property, which is, but little mineral excepting iron, outside to say the least, a very promising one.

Mount Wilson and Vicinity.

The Monitor lode, situated on Monitor mountain, near Mount Wilson, is owned by C. H. Byfield, Max Hippler and James Sutherland and is developed by a tunnel 75 feet long and a shaft 12 feet deep. It is a true fissure vein 4 feet wide, with character of ore being lead carbonate.

The Silver Cord is owned by the same parties and about the same location, being about 500 or 600 feet below the Monitor It assays \$70 silver and the character of the ore is free-milling and carries some to the West Dolores river, are numerous very fine steel galena. Both of these claims-Monitor and Silver Cord-were located last July.

A Boston company has located and purchased 33 claims in this vicinity and vill work some of them extensively.

Ophir Mining Notes.

The Nevada mine is being worked under a lease, for the mineral taken out. Aleck Fleming has twenty men at work on the properties of the Big San Juan company.

The Nettie mine has a tunnel of 260 feet, which cuts the vein 140 feet from the surface. A shaft of 140 feet is sunk to connect surface with tunnel at present A drift of 40 feet is run, and 300 depth. feet of drifting is under contract.

The Silver Bell, owned by Frank Moenson, has a tunnel run 90 feet, and a shaft sunk from the surface, to a depth of 60 feet, to connect with tunnel. drift is run from the bottom of the shaft westerly, 100 feet, and a drift is now being run in an easterly course. Two tons of ore are being taken out daily, which mills 200 ozs. silver per ton.

The Caribou, owned by the Midland Mining Co., of Boston, is worked by a bottom afford some evidence of the exisforce of five men. It has a cross-cut tunnel of 230 feet, with a drift of 100 feet running westerly. A shaft has been Would it not be worth while to know sunk from the surface to a depth of 160 feet, to the level of the cross-cut, and a shaft is now being sunk from this level, to a depth of 125 feet. A new tunnel is depth? It is true that choke damp would The Eclipse, situated up the river started which is under contract to be run about 2 miles, is developed by a 40 foot 700 feet. Valuable mineral is now taken

The Spar mine, owned by McCaw Brothers, is being worked by three men. shaft has been sunk from the upper levels el, 30 feet, which shows 12 inches of I wou The Don Pedro not far from the New-man group, and adjoining the celebrated gave 168 ozs. silver; the second test gave ing one or more core drill wells sunk Carbonate Queen on Dolores mountain, 250 ozs. silver; the third test gave 300 through to and into the lower strata, unhas a vein 41 feet wide, including a 30 ozs silver; the fourth and fifth gave res- der the direction, and with the advice of

Out in the Wilderness.

Last September, during the various exeitements that sprang up at Lone Cone and other points, various parties started out from Rico to examine into the relative merits of the different places. Among them was one composed of Frank Hatton, Fred A. Cornell and J. S. Pool, who, finding nothing worthy of attention, drifted into the lower Dolores and San Miguel river countries and located the properties hereafter described:

The Sunset lode is located on the west lead carbonate, iron carbonate, galena and free milling gold quartz. Two drifts of ten feet each have been run in composite to the feet each have been run uniform quality of ore, which a per cent lead. The galena runs from 30 ore is galena, but it shows both native and to 82 ozs. silver. The shaft, at the depth of the mountain a town site has been of 60 ft, penetrated a strata of free mill. surveyed, being the junction of the lines of the Denver & South Park and D. & R. G. railways, as located and surveyedthe former coming in from the east and the Wabash, and in fact, specimens the latter from the north, both on their way into Utah. No town is now nearer side cannot be distinguished one from the other. The Gen'l. Logan as it now stands Hatton, J. S. Pool, Al. McKenzie and Fred A. Cornell own the Sunset.

The following placer claims, each containing 160 acres, were located on the lower San Miguel and Dolores rivers: Little Nettie, Annie Proctor, John A. Logan. Lawrence & Spencer and L. D. Roudebush. As high as 200 colors to the pan were found, and in no case less than 50 colors under the surface and from 20 to 30 colors were panned from dirt right at the grass-roots. Bed-rock was not reached, but from other workings it is supposed to be from 30 to 50 feet below the surface. For want of space we will not give the names of parties interested in each individual placer, but will bunch them all together. Some of these names represent owners in more than one of the laims: Al. McKenzie, Fred A. Cornell, J. S. Pool, Frank Hatton, Senator John A. Logan, Wm. F. Tucker, Lawrence & Spencer, J. C. Ryan, Sam Wilder, L. D Roudebush and Chas. A. Jones.

Is Rico a Carbonate Camp?

Is Rico a carbonate camp? If it is, I The Gen'l Sherman was located May venture the prediction that it will eclipse 21st., 1881, by W. B. Norton. It runs Leadville in the extent and value of the silver ores under her hills. At Leadville, George Rooke and Charles Rhode. It small patches of carbonate bearing Logan extends under the Sherman. This and below the level of the Dolores river

> All the mines yet opened near Rico, are in the carboniferous or post carboniferous strata, as proved by the fossil rewith coal and trachyte of immense thickness. He will also notice that every mineral vein in the camp has direct conrock, also that the lower porphyry rocks are themselves highly mineralized, while of the few fissure veins existing therein. If he travels up and down the Dolores a few miles from Rico, he will also notice that these layers of porphyry &c., maintain a regular and even thickness between the sedimentary strata, and are therefore not mere intrusions, but the result of vol canic overflows at various geological periods; also that the strata dip with a grad ual slope away from Rico both North and South, so that the lower geolog come nearer the surface at Ric any other point. He will also along the axis of this uplift, as it crosses the Dolores river at the Rico, as almost upon the summit mountain lying west of town, and across vents of carbonic acid gas, indicative of decomposition of limestone by metallic minerals and hot water at a depth more or less considerable.

It is not necessary for present purposes to consider the various theories of vein formation, further than to suggest that study of the Leadville deposits by Dr. Emmoas, U. S. geologist in charge, shows clearly the derivation of the Leadville carbonates from the adjoining porphyry and limestone. The immensely rich veins already opened up near Rico, such as the Grand View, Puzzle Extension, &c., are undoubtedly derived in the same way, but they are higher up in the geological series than the Leadville veins. As we go still higher up, geologically, near Rico, we find leaner deposits, excluding of course the true fissure veins such as the Rico, Johnny Bull &c., which evidently have a deeper origin. Is it not reasonable to presume that if we go lower down in the series we will meet with still richer deposits? Is it not likely that the silurian limestones underlying Rico are alternated with more highly mineralized porphyries than those appearing above the surface? Does not the constant flow of immense volumes of choke damp or carbonic acid gas through the seams in the river tence of both limestone and mineral below the exposed geological horizon? what the truly immense Atlantic Cable, and the many other smaller fissure veins found close to the river bed lead to at a interfere with explorations in that direction upon a small scale, but if it can be proven that beneath the town of Rico and under her surrounding mountains lie vast contact veins of untold wealth, the A tunnel has been run 170 feet, and a scientific engineer can render it all ac-

I would therefore suggest that the ownsolid galena and gray copper. The first ers of claims near the town and river