

THE PIOCHE RECORD

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Work Begun On The Nevada-Utah Mill Plant

The new mill for the Consolidated Nevada-Utah corporation has been started. Clearing the ground and replacing the railroad tracks to make room for the building was commenced on the 12th inst.

The old water tank, built about 1874 an old familiar landmark, has had to be removed and in its stead there will be an iron tank situated about 100 feet north of the site of the old bin.

The process to be employed is concentration by the usual wet gravity methods followed by most modern of oil flotation. Also a separation of concentrates will be accomplished, the zinc forming the principal product and the lead and iron the secondary product. Both of these concentrates will carry gold and silver, but the majority of the precious metals will be in the lead-iron product which will, of course, be shipped to a lead smelter.

The ore as it comes from the mine will go to the grizzlies at the sorting house where the fines will go direct to the mill, and the coarse material will be given a rough hand sorting. Thus large pieces of solid sulphides will be recovered immediately without the expense of milling or the loss resulting from grinding. The sorting house will also catch the large pieces of waste which mix with the ore, and by throwing them out increase the grade of the ore being milled.

After leaving the sorting house the large ore goes to a crusher and then joins the fine ore on a conveyor belt carrying to the mill. The mill-bin will hold a day's run and will be drawn from by an automatic feeder which will supply the ore to a ball mill. The ball mill will be followed by a screen which will return oversize for recrushing.

The material which passes the screen goes to the tables from which the middlings are sent to a pebble mill for finer grinding.

The tables will make two products—zinc concentrates and lead-iron concentrates. The tailings from the tables will go to the flotation machinery where all the very finely ground particles of sulphides which are usually lost in the usual concentrating process are, to a very large extent, caught at the flotation cells.

Flotation is accomplished by a very small amount of oil so thoroughly mixed, or emulsified, with the ore as to cause the sulphide particles to cling to the froth which rises in the air agitated cells. This froth floats off and is retreated on a finishing cell which operates in the same manner as the roughing cell. One product of these cells is subjected to filter pressing and is ready to market.

Mine water will be used and a large iron tank will be installed to reservoir the supply. The mill will be lighted with electricity and operated by power from Fairbanks-Morse engines burning topps.

The machinery consists of Power & Mining Co's crusher and pebble mill, a Marcy ball mill; Overstrom tables Callow Flotation and a Portland filter-press. The General Engineering Co. of Salt Lake City are consulting engineering for the construction of the plant. The work will not be done by contract, it will be day and although the Master Millwright is a Salt Laker, the local millwrights, carpenters and mechanics are to be employed in preference to bringing men in from the outside.

The mill will have a capacity of from 50 to 75 tons daily and if the weather conditions are not serious should be ready to operate early in March.

The management of The Pioche Record extends Greetings and wishes its patrons and friends a Merry Christmas.

Judge Horsey May Run For Congress

Word comes up from the south to the effect that Chas. Lee Horsey, Judge of the district embracing Lincoln and Clark counties, may be a candidate next fall for the Democratic nomination for Congress. Or had we better say next summer?—Nevada News Letter.

While the Record hasn't anything direct from Judge Horsey on this subject, we have been informed by a close friend of his that he might be considered in the light of a receptive candidate for the Democratic nomination for congress. Judge Horsey was strongly urged to become an active candidate two years ago, and probably would have gone into the race for the nomination had he not been detained in the east on a business errand. Upon his return he was persuaded to become a candidate for District Judge for the Tenth judicial district and went before the people

as an independent candidate. Some of the Democratic state papers have been urging the selection of a man from the eastern part of the state, upon the very good ground that eastern Nevada has been overlooked in the way of political preferment—not only by the Democrats but Republicans as well.

Many Democrats are of the opinion that Judge Horsey would make an ideal candidate and would be strong with the voters of the state. However, Judge Horsey having been elected to his district judgeship and his term does not expire until the first of January 1919, he may feel reluctant about seeking the higher honors at this time. But as the Democrats have not put forth as yet "a strong man" the Judge may be induced to run for congress. Should the Democratic state convention insist on naming him is it more than likely he would accept.

Easter Gold Mining Co. Buys Mill Equipment

SUP'T ANDERSON'S VISIT TO SCHOOLS

Editor, Pioche Record:

Perhaps your readers will be interested in knowing some impressions gleaned in this, my first trip to the schools of Lincoln County. I have been unable to get into this part of my supervision district until this time because of the extent of the work in the section close to my office. I am going with the extra work of organizing two district institutions this year.

At Caliente I found two very earnest teachers doing all they can to advance the interests of the school. In general the conditions in the Caliente schools are good. There was a lack of information regarding the recent changes in books, and some of the old books were still in use. However, the change to new books is rapidly being made and the school will be doing the same work as other schools in the state. One very satisfactory feature of the school is the introduction of manual training and sewing. We shall expect good reports from this school at the end of the year.

Two days were spent in the schools of Panaca. Probably no other town of its size can boast of as many school activities as this little pioneer settlement of Nevada, for here are found a county high school, a local grammar school and a county normal school. I found a very practical man in charge of the combined grammar and county high schools. Professor Smith is very anxious to make the Panaca schools stand for every thing that is good in school work. The county high school is as nearly standard as we are allowed to expect in a school that is new and that depends upon a comparatively small county valuation for its financial support. It will be necessary for the county board of education to spend at least \$1,000 in equipment, and provide a fourth teacher before the school can be called a "standard" high school. The board of education, however, has done remarkably well in the organization of the school thus far. It is especially commendable that the school is giving such good work in manual training, domestic science and agriculture. Each student in the course of agriculture must plough, plant, cultivate, harvest and invest the proceeds from an acre of ground in order to get his credits for his work in "soils". Later, in "animal husbandry" each pupil will be required to care for and raise to reasonable maturity some animal such as a pig, a calf, or a colt, and give a carefully prepared record of the procedure followed in the raising. Most of the boys in the school are taking the course in agriculture, and the school is making its best efforts to serve the interests of the community.

At a meeting of the local board of Panaca grammar school and the board of education for the high school with the deputy superintendent plans were discussed whereby the local grammar school might receive the privilege of taking normal training and sewing in the high school laboratories provided for these subjects. Such plans would be very beneficial to the local school. We hope the boards will be able to make arrangements for the same.

One period was spent in the county normal training rooms. Seven high school graduates are taking this work, and I can vouch for good work being done in training these students for the profession of teaching.

The last school visited in the county was at Pioche. A very pleasing feature here was the school library which is much better equipped than the usual grammar school library. Another very creditable feature is the method of self-government by which the children to quite an extent govern themselves through the "honor system".

I found in Pioche what I would like to find in every district, a live parent-teacher association. The Pioche association has almost paid for a complete outfit for manual training and sewing for the school. A very pleasant evening was spent in meeting the local board of trustees and discussing with them the needs of the school and making plans for next year. The Pioche trustees are eager to place their school on as solid footing as is enjoyed by other schools of like kind in other sections of the state. Their plans deserve the heartiest support of all Pioche citizens. Pioche is fortunate in its selection of a school principal. Miss Mackenson has the work of the school well in hand. It was impossible for me to spend a longer time in Lincoln county at this time. I shall return very early

Joe Taylor, manager of the Easter Gold Mining Co. which owns a big gold property 12 miles below Caliente, was in town this week looking after the shipment of the equipment formerly used at the X-Ray mine in the Highland district to the Easter property.

Joe recently completed the financing of the Easter company and states that all arrangements have been completed for the erection of a 100-ton mill at the Easter, the equipment for which has already been ordered. In addition, he has purchased a large auto truck and a touring car.

Recent experiments made at Detroit by a cyaniding concern gave returns showing an extraction of 96 per cent gold and 76 per cent of the silver contents to the ore. The Easter ores carry values averaging from \$6 to \$10 and Mr. Taylor claims that there are a million tons of this product in sight.

The successful operation of the Easter mine means much to Lincoln county, particularly to Caliente.

SILVER SERVICE TO COME TO PIOCHE

The silver service donated by the state of Nevada to the battleship Nevada has been completed and was on exhibition in Carson a few days ago and it is to be conveyed free of charge by the American Express company to other parts of the state. It having come to the knowledge of E. L. Smith, president of the Pioche Commercial club and President of the Board of Trustees of Pioche school district No. 1, that Pioche had been mentioned among the places where the service was to be exhibited, addressed a letter to Governor Boyle asking for information regarding the itinerary and received the following reply: under date of December 17:

"I have your letter of the 15th inst requesting that the Silver Service of the Battleship Nevada be exhibited in Pioche.

"Your town was on the list of municipalities in which we intended to show the service, a letter was written to the clerk of the board of county commissioners several days ago requesting him to co-operate with us in having it shown there. As yet we have not heard from all of the towns to which we have written and until we know the desire of the community, we will not be able to make the itinerary of the service.

"As soon as this is done, however, we will advise you of the date when it will be shown in Pioche."

Very truly yours,

EMMETT D. BOYLE, Governor.

It has been suggested that if the service comes to Pioche that it be placed on exhibition at some suitable place where the school children and all citizens of the town may see the gift of Nevada to the great ship which bears the name of the state and which is the most powerful battleship in existence today. After having been exhibited at a number of the more important cities of the state the service will be sent east to be placed aboard the Nevada.

County Treasurer Chas. Culverwell reports that collections on the first installment of taxes for the year 1915, up to Wednesday last amounted to a total of \$37,947.95. In addition to this sum, \$639 was collected in the shape of poll taxes.

VANDALS DESTROY GOVERNMENT PROPERTY

During the recent absence of M. L. Lee in Utah someone demolished some expensive instruments contained in the government weather observatory stationed in the yard at his residence on Pioche street. The matter has been placed in the hands of the United States marshal for investigation. The penalty for the wanton destruction of government property is no small matter.

Rate Is Reduced

The Amalgamated Pioche company has announced a reduction of from 5 to 3 per cent for the collection of signed orders on the company for store and boarding house accounts, etc.

Teachers Examination

The second semi-annual examination for teachers' certificates will be held in Pioche School Building on December 27, 28, 29 and 30, 1915. The sessions will begin at 9 o'clock each morning.

G. E. ANDERSON, Deputy Supt. 5th District.

In the spring to complete the inspection of all county schools.

Very truly,
G. E. ANDERSON, Deputy Supt. 5th District.

GREENWOOD LEASING COMPANY AT WORK

The Greenwood Leasing company which recently acquired a 5-year lease on the Greenwood mine, has begun operations. Several men have been engaged for the past week in retimbering and getting the 300-foot level drifts in shape. The work is in charge of E. H. Snyder, manager of the company, who was successful in associating with himself in the undertaking Mr. E. W. Clark, manager of the Utah mines operated by former Senator W. A. Clark, and other strong Salt Lake mining men.

The Dorris Mining & Milling company is another new corporation composed of practically the same people. The Dorris company has taken over the Snyder lease on the old dump below the No. 3 shaft of the Yuba Leasing & Development company and will enlarge and improve the cyanide plant put in by Mr. Snyder and associates early this year. The Dorris company started work last Wednesday morning and has ordered material for a building which will enclose the enlarged milling plant.

The dump to be worked over was put there in the early days when the cyanide process was unknown and when it was impossible to work the low grade ore of the camp profitably. The dump contains thousands of tons of low grade material, which Mr. Snyder says, is now commercially valuable.

TONOPAH MINING COMPANY DECLARES A DIVIDEND

At a meeting held by the Tonopah Mining company of Nevada at Philadelphia last week, the regular quarterly dividend of 15 cents a share was declared. It is payable January 21. The dividend amounts to \$159,000, and brings the total amount of dividends paid to date to \$13,450,000.

PIOCHE BARBER HAS A NON-SKID SIDEWALK

George Dorothy has put in a "non-skid" sidewalk in front of his barber shop. It is rightly named and sizing up conditions from various angles it would appear that he and the shoemaker are "working in cahoots." Some things heard said about that sidewalk would not look good in print.

Angelo Clark will vacate the building which he now occupies on January first and will move his saloon to the place where John Crow now conducts a saloon business. It is understood that Angelo has arranged to purchase the building and lot from Mrs. M. Thompson.

Christmas Services
Rev. P. S. Smith will hold Christmas services at the Union Sunday school building at 11 o'clock this morning. He will also hold services at the same place tomorrow, morning and evening.

Doctor Marco A Copper King

Dr. Louis Marco, the Lincoln County dentist, has become a real mining magnate and bids fair to become a copper king. He has a mine down in that part of Arizona that Utah has been trying to annex and is shipping ore from it, teamhauling the product to Modena where it is loaded on to the cars and sent to the Salt Lake.

How did Doc get onto it? It happened this way. He made a trip last autumn to Grand Gulch and ran across a Swede with bad teeth. The fellow began to talk mines while the doctor was tugging away at a somewhat obstinate tooth. The long and short of it is the Swede's gentleman had no money; but squared the bill by giving Marco a half interest in the mine.

The man's story seemed too good to be true. But Doc went to see. While he doesn't profess to know anything about mines, still he has a nose for good ore—particularly when he could see it right before him.

Dentist Marco is one of those kind who believes in doing things; he is progressive, and he got busy. Within a week he had men at work taking out pay ore. If everything pans out well he proposes to build a tramway across the Colorado river and ship the ore from a point on the Santa Fe, thus cutting down the expense of haulage.

This county needs just such boosters as Doc Marco is.

OWEN WALKER MEETS WITH PECULIAR ACCIDENT

Owen Walker met with an accident this week which cost him the tip of one of his fingers. He is one of the engineers at the Yuba mine works and was engaged in hewing some blocks upon which he purposed to place a distillate tank. While doing so the ax which he was using came off its handle, dropped onto his finger and having a keen edge, cut it off at the first joint as smoothly as if done by a surgeon's knife.

He expects to return to work in a few days.

New Display Ads This Week

Becker Brewing Co.—Christmas Beer.
Mac's Drug Store—ask "Kliff."
Mountain View Hotel—Change of service.

Mill Engineer Here

W. J. Boudwin of the General Engineering Co. of Salt Lake arrived Thursday to assist in the construction of the Con. Nevada-Utah mill and will probably be here two or three months.

Dr. Campbell has been confined to his home this week on account of illness.

District Attorney Orr Loses Christmas Turkey

District Attorney Orr took a chance in a turkey raffle a few days ago and drew the lucky number which won the choice Christmas prize. The bird was delivered to the court house and the attorney bedded it on a singly feast today. He was called from his office to the telephone and when he returned, lo and behold, the bird had flown. For a time his legal mind was agitated with the thought—Could it be possible that the turkey had extricated its feet from the bands which had securely held them all the way from Eagle Valley? "No, that could not be," he finally ejaculated, for he knew Joe Hammond was an old hand at roping turkeys. There was no doubt but what the bird was gone—but not upon its own volition. "That bird has been taken from my office in broad day light," he declared, "and I propose to find the extractor if I have to invoke the aid of Sheriff Ronnow and all his deputies. I wouldn't care so much about it," he went on, "but I took that chance for Wm. E. Orr, Jr. and I propose to have it."

For a day or two everyone about the court house was under a cloud of suspicion—with the possible exception of Sheriff Ronnow and Jake Johnson. Finally, a complaint was made to Justice Harris, who issued a search warrant and the said warrant was placed in the hands of Jake Johnson, deputy Sheriff. That official made a diligent search in every nook and corner of the court house; every office in the building—including the Judge's chambers—why the latter did not escape espionage is not clear for the judge is out of town. Deputy Jake was satisfied that the missing bird was somewhere on the second floor of the court house—something seemed to tell him that he was getting close and at last demanded of Treasurer Culverwell that he swing back the iron doors of the vault. The official obeyed and there the turkey was and a little later, safely delivered to the district attorney who forthwith decreed that the turkey's head should be chopped off and the bird prepared for the Christmas dinner table at the Orr home.

Of course, it was all a joke and nearly everybody around the court house was on to it. But after all it was a mean joke to play just before Christmas time. The district attorney decares, however, his chance will come to get even.

JOE POWERS' PRIZE DEER HEAD COLLECTION

One who steps into Joe Powers' place of business cannot miss being attracted by the fine specimens of mounted deer heads and other wild animal heads and hides which decorate the walls.

It is very doubtful if a better collection could be found anywhere in the west and talking in dollars and cents, it is doubtful if Joe would fix a price on them.

The animals from which these specimens came were all killed in Lincoln county—mostly in the vicinity of Pioche and the greater portion of them were slain by Mr. Powers himself who by the way is one of the best shots when it comes to hunting big game, that can be found anywhere. Teddy Roosevelt has a bigger reputation in that line than Joe has; but put Teddy along side of Joe, we will wager the price of a year's subscription to the Record that the man from Oyster Bay will "take to the wall timber."

The preparation and mounting of the specimens referred to is the

work of Mr. Powers himself. In fact, he is an expert taxidermist, and the collection to be seen at his place clearly demonstrates the fact. The truth is, before Joe ever saw Nevada he had had a great deal of experience in that line and followed taxidermy as a vocation for a good many years in his early life and reached the stage of proficiency when he could command the highest salary for work of that class.

In the windows of the Moffat bank at Denver has been displayed in glass enclosures for many years two specimens of buck deer, mounted whole. This was some of Joe's work. The late David Moffat paid a big price for the pair and they have attracted the attention of thousands of people passing the bank building. They have been particularly interesting to eastern tourist coming to the Colorado capital. Down near the base can be seen the initial letters of Joe's name; but not having the Rooseveltian reputation behind him the letters have escaped notice of the throngs who have stopped to admire.

A. Y. Smith, president of the Yuba Leasing & Development Co., has been looking after mining interests at Pearce, Arizona, this week.