DESERET EVENING NEWS SATURDAY DECEMBER 18 1909

# Black Horse Develops Much Gold Pioche Develops Millions of Tons of Silver Lead Ores work blocking out ore and there is now enough ore in sight to keep a mill going for several years. A promising group of claims is that of the Nil Desperandum Mining company, which is comprised of about 400 acres. This is also a gold bearing property. No real systematic explora-tion work has thus far been done. One shaft on the property is down 242 feet and another is 80 feet deep, while there are a number of shallow openings. The entire property is along the Black Horse ledge.

Some big things happened in the Ely mining district at Pioche, Nevada, during the year 1909, and many things are now in the course of formation; which will during the coming year make this famous old camp one of the most talked of producers in the United States. Through-out the year the greatest development work was on the Prince Consolidated side of the camp where several hundred men were employed, a number of rich strikes made, many thousands of dollars spent in machinery and develpment, and practically a new side of the camp shown to the world. Besides that surveys were made from Ploche, around the point of the mountain to the Prince side for a new railroad and money for it practically assured, the difficulties of the Nevada-Utah Mines and Smelters corporation and the Ohio-Kentucky Mining company over their

and Smelters corporation and the Onio-Kentucky Mining company over their joint holdings were definitely settled, the opening up of a number of new properties in the Highland, Jack Rab-bit and Eristoi districts, the adding of a new shipper to the list-the Prince consolidated, and the selection of a site for a smelter in the district. The promises that make the camp look brighter than ever for the year look brighter than ever for the year look pring will see a railroad on its way around the mountain to the Prince side of the camp, the shipping of bet-ter than 500 tons of ore a day from this make, steady shipping from the Ne-how known as the Consolidated Pioche Mines company, the resumption of work by the Nevada-Utah at its Day mine in the Jack Rabbit district, the continuing of work by the Scott Mines of at least a score of other properties in the district. The next year will see at least 1,000 tons of ore a day coming out of the camp had more real work than the camp has ever show. MUCH IN SIGHT.

## MUCH IN SIGHT.

Pioche with its millions in dividends Figure with its infinitions in control of the set of its credit will start with a firmer foundation than ever before. Some of the best known mining men in the United States have become interested in the camp and it is certain that another year will find Pioche the most ber year will find Pioche the most start will be and the pioche the most start will be an other start with start with a start with other year will find Pioche the most talked of camp in the country. Blocked out in the mines at Pioche and vicinity at present are at least 5,000,000 tons of ore that will net the companies more than \$2 a ton. Much of this high grade that will run into tens of dollars. A world of work has been done on the west side of Pioche and rapid ad-vancement was made by the Prince Consolidated property, owned by the Godbe brothers of Salt Lake City and James L. Hackett of Kentucky. A re-cent report by one engineer declares that there is now sufficient ore blocked out in the mine, to net the company

One of the things accomplished by the

85.500,000. One of the things accomplished by the company this year was sinking to the quartite and supposed water level. This was found at a depth of 600 feet and the fissures were found to continue on into the quartite. The great body of ore in this mine is becoming more extensive than was at first expected. What was believed to have been the limit of the ore at the north has turned out to be a small lime streak, and the ore was picked up on the other side as rich and extensive sa ever. The work is now being directed toward drifting to the south with cross cuts are run to the foot wall and the banging wall. On every level there is ore and the drifts are all being extended to block out the ore. All the bedde veins are being explored and they are being cut out in blocks of 100 fets by 300 feet. The thickness of these veins varies from 5 to 30 feet. NOW SHIPPING ORES.

## NOW SHIPPING ORES.

NOW SHIPPING ORES. The company is now shipping 50 tons of ore a day to the Sait Lake valley smelters. The ore is hauled to Panaca, nine miles, by team. During the year extensive develop-ment work has been carried on at the Mendha mine, which has also done con-siderable shipping. One of the new companies to be organized and start an extensive cam-paign of development was the Centen-nial Ploche, which was brought into existence by the efforts of M C. Godbe. This promising company owns 11 pa-

SHAFT AT CENTENNIAL PIOCHE WITH PRINCE MINE IN BACK-

## GROUND ······

the Pioche Golden Prince and the Gold and Silver Prince properties have been brought to the front this year. On the property the drift was pushed through a streak of porphyry and a bedded vein of ore was found to make on the other side. The drift went through this fine ore body for 125 feet and the minc is now on the road to become on of the big properties on that side of the camp. The Gold and Silver Prince has done considerable work during the year. Both properties are excellently enalpped. The Pioche King, controlled by John A. Kirby and associates is one of the new properties of the district. It has rapidly forged to the front during the year. It adjoins the Prince on the soft for the dike at the east on the 200 foot level. Some excellent ore has been found in this property but no large quantity. Owen A. Bailey, manager of the

been found in this property but no large quantity. Owen A. Balley, manager of the Pioche Demijohn is now pushing work on the company's property which is north of the Golden Prince. The 200 foot level was reached during the year and the rich ore found in the level above was encountered. This property has several carloads of high grade ore on the dump ready for shipment. Al-though only a few men were working this property was active almost the entire year.

## AT PIOCHE METAL.

AT PIOCHE METAL. Among the companies that have come furing the year is the Pioche Metals incorporated on two claims but it has incorporated on two claims but it has incorporated on two claims. Although the year is the Pioche Nevada consolidated Mining company, which is the owner of 13 claims. Although the property was one of those picked of its neghbor, the Pioche Nevada consolidated Mining company, which is the owner of 13 claims. Although the property was one of those picked of on the sarly days as indicative of ontaining good ore and from which set out in the early days as indicative of ontaining good ore and from which set out in the prosent company acquired takes. Mark the old for the set of the set of the old Foster property near Ploche bath of salt Lake City believed other which has der on the Hack Vault being some of the Hack Vault being some of the Hack Vault which staled. Some of the highest which staled. Some of the highest which stales found in the camp are company and as the company acquired the that there is no doubt but what the none of the set of the highest which staled. Some of the highest stale

OLD HAMBURG MINE.

country which is fast shaping itself for a big era of production, and during the year has made some great strides in development work, is the Mendha-Nevada mine. During the year the possibilities of the property became more apparent and it has been during that period and is now a steady ship-

that period and is now a stead whip-per. The Mendha-Nevada Mining com-pany was incorporated under the laws of Utah in 1907 for the opera-tion and development of the old Menda mine, and adjoining property, in the Highland mining district. Lin-coln county, Nevada, seven miles from the great camp of Ploche. The com-pany is the owner of 10 claims in this highly mineralized district, to-sether with two millsites each with a splendid water right. There claims cover the great Mendha fissure and several parallel veins, for a mile and a quarter along the strike, and from nearly every place along the surface ore can be taken. In formation the Highland district much resembles other limestone camps, being composed of Silurian limestone. The chemical action has carved out the lime and desposited in its place immense bodies attain resemble to a great degree the ore shots of the Tintic district in Utah Like many other mines in and about Ploche, the Mendha has a history. Its discovery was closely associated with the rise of the Highland district. been done on ore along the strike and diy of the vertical fissure and following the ore deposits in the bed-ded planes, and at not time has the mine been without ore. It has since bodies lay along the bedded planes. The Mendha vein is a true fissure in the limestone and has a strike east and west and a dip of 70 degrees to the north. There are also north and south fissures which dip to the west with the bedded planes of the forma-tion at an angle of about 30 degrees. The main source of production former-ity came from the varical fissure, and following down one of the bed-ded fissures. while the largest oro bodies have been found at their inter-section. At the Mendha all work has FAMOUS PRODUCER. The Mendha-Nevada Mining om-

pened. L. H. Hunt and associates en-deavored to treat the tailings from the old Sacramento mine and after erect-ing a mill and doing a large amount of

Some ten years later the property passed into the hands of the Pioche company and again the ores from this prorducer were called upon to ald in the fluxing of the Consolidated's ores at its Pioche plant. During these varied changes it is believed that the pro-changes it is believed that the pro-duction from this mine aggregated \$500,000 and only a stirt was made on its great resources. The work this year has far increased the possibili-ties of this mine it has now passed the stage of promising to be a great mine, but is one. At present the property is worked by a final start, pitching at an angle of about 30 degrees and following the adistance of 500 feet. Almost the en-the distance from the surface to the been continuous. The ore bodies have averaged five to six feet and in pluces have widened out to 10 or 12 feet. The best showing ever made in the mine was mined for a width of 30 feet horizontally, sunk upon for a depth of 5 feet and raised upon for 10 or 12 feet. This wonkerful or shoot is one of the signs of the great value of the property. property.

## WORK BEDDED PLANE.

The bedded vein has been worked for The bedded vein has been worked for a distance of 400 feet southwest from the bottom of the main shaft during the past year, following the same ore shoot which cropped on the surface. In quality and values the ore opened up has been characteristic of the prop-erty and during the year regular ship-ments have been made to the Salt Lake valley smelters. No ore has been stoped and the ore shipped has been what was taken out in development work. The taken out in development work. The source of the great ore bodies in the Mendha are now believed to come from an immense porphyry dike, lying to the outh

The ores are a composition of iron, lime and silica, carrying values in sil-ver, lead and gold. The average value of the ore as shown by smeller ship-ments ranges from 25 to 30 per cent lead, 30 ounces in silver and \$5 to \$16 in gold. In the bedded veins an increase in the gold values is shown, which ranges from \$15 to \$50 a ton. In lead and silver the ore from the vertical and bedded veins run about the same. Where galena is present the silver val-ues are high, this character of ore being much richer than the usual run of carbonates. Sensational values are frequent in this mine and tonnages are large. This is also true of the proper-ties adjoining on the east and west. OLD HAMBURG MINE. The ores are a composition of iron,

done an enormous amount of develop-ment. At the South Columbus a force of about 20 men has been employed this year. Although work is going ahead there have been no big developments. Other properties in the Alta, Big Cottonwood, and American Fork dis-tricts have been busy. Mineral Flat and Pittsburg Consolidated in Ameri-can Fork have been worked a greater part of the year. In the same district were other active companies, such as the Pacific. Dutchman, Mary Ellen, Mountain Dell, and a dozen others. In the Big Cottonwood district were the Maxwell, Cardiff, Rexall, Flagstaff, Rainbow and many more, that were ac-tive.

Another active property in the Alta Another active property in the Aria district was the Alta Hecla. A real active company in that vicinity was the Utah Mines Coalition, which eame into existence early in the year, backed by such men as J B Risque, Duncan MacVichie, James A. Pollock and oth-

## THE PARK VALLEY DISTRICT.

Although little has been heard of the Park Valley district during the past year, this part of Boxelder county has not been quiet and it is fast developing into one of the gold districts of the state. The Century Mining and Milling into one of the gold districts of the state. The Century Mining and Milling company was at one time one of the dividend payers of the state and be-fore another year rolls around it will be back in the ranks again. While this company has been endeavoring to solve the power questions and developing ore for use in its mill, the Susannah Gold Mining company has been putting a new mill into shape in the district. The Susannah Mining company has one of the best equipped small plants in the state. Its compactness is one of its main features. This was one of the new mills erected in the state this year. Already this plant has begun shipping gold builton to the local United States assay office. Several other properties in the dis-trict have been pushing development work throughout the year. The Deer Trail, the Amazon group the Utah Doctor and others have been keeping things lively in the district.

WHY THE MENU WAS CH

OR several years work has been

going ahead steadily in the Black Horse mining district, in the Snake range of mountains, one of the most highly mineralized

sections of White Pine county, Nevada, A number of large gold properties are now being opened up as well as many other metal producers. Little has been heard of this heavily endowed mineral district and one of the prime movers toward bringing this

openings. The entire property is along the Black Horse ledge. The large shaft was put down in a





## HIGH GRADE ON DUMP AND TUNNEL AT SAN PEDRO MINE.

ground.

ledge

portion of Nevada to the front is A. G. Burritt, president and manager of the Ohana Mining company, which has offices at 508 Templeton building. For 16 years Mr. Burritt has tolled in the district and at last has brought The ledge at the upper end of the ground crosses the upper edge of Placer gulch where considerable placer gold was taken in the early days and within a few feet of the ledge together some of the most promising properties. Among these may be con-

sidered the Ohana Mining company at Sacramento Pass, which is the owner of 20 claims and a 160 acre ranch, containing a large spring capable of supplying a good sized mill. The property was purchased from Mose L. Woodman, one of the pioneers of the district.

Three distinct high grade gold ore veins traverse the property, while a fourth apparently crosscuts them. Ore has been found that ran as high as \$2,000 a ton, while the average is be-lieved to be milling ore running from \$35 to \$45. From a shallow shaft Woodman hauled 500 tons of ore 60 miles and then secured a profit of \$47 a ton. Early this spring a shaft will be sent down and drifts sent out to crosscut the four veins. The property is to also be equipped with up-to-date machinery. Eugene T. Woolley is vice-president of the company, L. L. Simmons, secretary and treasurer and the officers with S. E. Woolley, Theo-dore Tobiason and Charles Mc-Carty compose the board of direc-tors. fourth apparently crosscuts them. Ore

some splendid gold values. The Lexington Concord Mining company property of which Mr. Bur-ritt is general manager and a direc-tor, is 35 miles south of Black Horse, in Lexington canyon, in the Snake range and consists of eight claims, Ferdinand Fabian of Salt Lake City is the presidnt. On the south side of the canyon the ledge is exposed for 2,000 feet and has some excellent showings in gold silver and some copper. This ore will probably average \$37 a ton.

On the opposite side of the canyon, which is also Lexington ground, there are two deposits of the ore in the lime. From this some very high grade assays have been made rungrade assays have been made run-ning as high as 900 ounces in silver. The mineral throughout will average \$40 to \$45 a ton. It is an excellent concentrating product. Sufficient development has not been done to determine the source of the ore. Plans are now being made for more extensive work and the building of a mill in the spring. The Black Horse district is fast developing into one of the strong gold camps of Nevada. It is now coming to its own and within the next year some of the greatest developments of White Pine county will be made there. It is certain that a new railroad from Ely, through the Deep Creek district in Utah, and on to Salt Lake City will put this section of the country in close touch with the markets.

wash, but it is believed that better results could be obtained farther up the hill. For that reason work has been moved to the upper part of the ground

PLACER GULCH.

ledge. Manager Burritt asserts that work will be pushed on this property in the spring. The property has only been held a short time so that real exploration and development work have not been started. The company intends to sink and drift to reach the contact, which on the outcrop shows some splendid gold values.

In the Hamburg mine, which is one of the holdings of the Mendha, develop-ment has been accomplished by means of a 500-foot tunnel run in on the veln,

ment has been accomplished by means of a 500-foot tunnel run in on the ven, and which connects with the bottom of a 125-foot shaft, which was sunk in ore. Practically no stoping was done in this mine, yet it produced from \$75,000 to \$100,000. The ores and formation of this mine are practically the same as the Mendha. As all the mine workings at the Mendha are in ore, there will be no dead work necessary for regular and heavy extraction. The property is well equipped for extensive work: A 40-horsepower gasoline engine furnishes power for the hoist and the air com-pressor. The ore and waste from the mine is taken out by means of a skip which works automatically. It dumps into cars which carry the material to either the dump or the ore bins. Everything at the property is arranged for convenience and economy. The large boarding house, the cozy bunk houses, dwellings, office, building, blacksmith shop and stables all speak of the masterly manner in which the progerty is handled. The capitalization of this company is \$1,000,000, with shares at \$1 each. Thos, J. Osborne of Salt Lake City, is the president and manager; Murray C. Godbe, Salt Lake City, secretary and treasurer. The officers with William Lloyd and J. B. Toronto, compose the directorate.

## THE CAMP OF MERCUR.

M ERCUR, the cradle of the cyanide process and the home of its development, again came into the lime light this year with a new dividend payer. It was the Boston Sunshine. This company was able to produce This company was able to produce \$13,500 for its shareholders and in the first year nearly paid back the entire investment. The Boston Sunshine was purchased at a sheriff's sale a little over a year ago. The old mill on the property was

The Boston Sunshine was purchased at a sheriff's sale a little over a year at a breat on a some difference solidated mercur, with a few improve-solidated mercur, with a few improve-solidated mercur, and throughout it has ai-been making an excellent saving of 90 per cent on \$3.50 ore and handling in the system sint he groperty attracted attention as a flysing ore for the smelter at Shauntie, Beaver coun-ty. Utah for the silver-lead furnace at the smelter at Shauntie, Beaver coun-ty that for the silver-lead furnace at the smelter at Shauntie, Beaver coun-the guestions that the Consolidated trict. In 1881, with other properties of the Highland and Bristol district, the methanda was acquired by the Day Min-it for king of the iron orese from the and in the reduction of Ploche, mendha was acquired by the Day Min-the fusing of the iron orese from the any mine, in the Bristol furnace.

old Sacramento mine and after erect-ing a mill and doing a large amount of work, they were obliged to abandon the project. Following this the mill was taken over and with a number of changes was put in readiness to treat ores from the West Dip property. The property hat been taken over and work started for its revival Throughout the year the Holderman mill has been retreating the tailings of the old Manning mill by the Holderman process of cyaniding. Although the Consolidated Mercur was not placed on the dividend list from the district it has been better than holding its own. With the improve-ments that are now being made in the treatment of the ores it is probable that there will be greater activity there during the coming year and that Mer-cur will again be one of the most ac-tive camps of the state. For a num-ber of years it has been the heavlest goid producing camp of the state. ALTA AND OTHERS.

F toM the rugged hills of Alta con**r** siderable ore was shipped during the year, and the Columbus Consolid-

ated sent from 30 to 50 tons of ore a day to the market. This property was the most active in the district. During the year two new ore bodies were From one of them most opened up of the shipping was done while the latest strike at the mine has not been

of the snipping was done white the latest strike at the mine has not been worked enough to tell of its dimen-sions. The ore is being stoped out as the work advances and is not blocked out. The first ore body was found in the fall of 1968. It probably continues to the surface, a distance of 800 feet. Thus far only a small amount of the ore has been extracted. The company has 150 men employed at the mine and the mill, and the mill has been operating two shifts through-out the year. One of the improve-ments this year was the installation of a 600 gallon centrifugal, four-stage, electric pump. There are five other pumps at the property which are used as a reserve. The mine now handles 400 gallons of water a minute so that there are sufficient pumps to care for any flow that may be encountered. During the year the company has done an enormous amount of develop-ment. At the South Columbus a force of about 20 men has been employed this

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WHY THE MENU WAS CHANGED The culinary department of an East Indian household, if the story of an American traveler who has recently re-turned from Calcutta is to be believed, is managed far different from an Amer-ican kitchen. "Here we employ an Ethlopian expert at so much a week," says the Philadelphia Record. "There a cook would disdain to place a weekly valuation on his services. His condi-tions involve a flat rate of so many shillings weekly for the furnishing and preparation of provisions. This system of putting the culinary department out to contract causes a penurlousness on the part of the chef which frequently is not for the best health and welfare of the household. Shortly before last Christmas the above named American tourist had ordered his cook to have steak for dinnet. Broiled chicken was served instead. Pressed for his reasons for disregarding the command of the head of the household, the cook ex-plained that the chicken had taken sick and if it had not been killed and served that day he was afraid he would have lost it."

OLD SAN PEDRO MINE.

One of the proven mines of the dis-trict is the old San Pedro mine which is owned by the Amalgamated Nevada Mines company, a concern in which mostly eastern people are interested, Mines company, a concern in which mostly eastern people are interested, mainly New England capitalists. This property consists of 12 claims. It has been extensively developed and many thousands of tons of high grade gold ore are now in sight. Besides this there are many dumps of good mil-ling ore and several hundred tons of high grade ore running about \$150 a ton is in sacks near the tunnel. From the mouth of the tunnel a car load of ore was shipped which brought \$91 a ton. This been adjusted and next spring it is planned to erect a mill at the property and start production. The eastern stock holders have con-ditions and they now intend to make it a mine. Several men are now at

