

F.H.D.M., 1905 to 1909, V 90-99

**Mining and Scientific Press, V. 90, 1/7/1905, p. 13**

H. C. Armstrong will resume work at Canada Hill at the Golden West gravel mine in the spring. The tunnel is in 1300 feet and has struck the channel.

A Huntington mill and other machinery is being put in at the Buckeye, near Forest Hill.

**Mining and Scientific Press, V. 90, 1/28/1905, p. 61**

At the Paragon drift mine at Bath, W. Rea is operating everything by water power at a great saving.

**Mining and Scientific Press, V. 90, 2/4/1905, p. 76**

W. H. Wales, N. J. Pearson and N. T. Collins of Colfax have struck pay gravel in the Big Boulder drift mine in Secret canyon, 4 miles from Colfax.

**Mining and Scientific Press, V. 90, 2/11/1905, p. 91**

The Paragon mine at Bath is working a number of men and gold is being taken out. Men are at work at Eagle Bar and also at the Buckeye. The Baltimore is working twelve men.

**Mining and Scientific Press, V. 90, 2/11/1905, p. 95**

C. D. Ackers has resigned as superintendent of the Hidden Treasure and Mountain Gate mines at Bullion, Placer county, Cal., to accept a similar position with the Tabor M. Co. at Gibsonville, Sierra county, Cal.

**Mining and Scientific Press, V. 90, 2/18/1905, p. 108**

S. N. Dutcher of Newberry, Mich., owning the Alameda mine at Black Canyon, has let a contract to F. W. Snyder to run the main tunnel north and will start the mine about the middle of May. The shaft is 160 feet deep. The mine is equipped with a 20-stomp mill and concentratois, run by steam power.

The X Ray mine, in Sailor canyon, has been bonded to G. E. Ward of Santa Cruz. He has four men at work driving a tunnel to tap the channel. J. H. Sunley is in charge.

**Mining and Scientific Press, V. 90, 2/25/1905, p. 123**

The old Dardanelles tunnel is being worked by J. H. Myers and A. G. Read of Forest Hill. This mine was formerly worked by hydraulicking, and then, on the channel going into the divide, drift mining was started, until at a distance of 2400 feet a deep cross channel was found cutting through the main channel, but excessive water finally caused its abandonment. The present owners are continuing the old tunnel from the worked out channel on and through the cross channel. It is estimated that when in 800 feet the tunnel will encounter the continuation of the "white lead." The Paragon mine at Bath is being worked by W. Rhea of Forest Hill. At Last Chance, near Forest Hill, J. H. Myers and B. E. Caples are working the Bay State, and D. M. Ray has charge of the El Dorado Co.'s property. The Tadpole mine at Canada Hill will erect a mill with a capacity of sixty tons per day.

**Mining and Scientific Press, V. 90, 3/11/1905, p. 157**

The Tadpole at Canada hill will build a mill with a capacity of sixty tons per day.

At the Star United mine, near Iowa Hill, the company have opened up the old tunnel and are running for the back channel. This is part of the Old Wolverine channel which was a great producer in the early days. I. E. Rose is the superintendent. The McGeachen mine has been bonded by a company, represented by I. E. Rose as manager, who have extended the tunnel and have struck gravel. They will commence breasting in a few days, as soon as they can get ground opened up. It is reported that the pay channel has been encountered at the Prospect Hill (old Big Dipper) mine, south of Iowa hill. Men are opening up the Lebanon tunnel, near the old Big Dipper mine, and the company expect to strike gravel in a short time.

**Mining and Scientific Press, V. 90, 3/18/1905, p. 174**

At the Hidden Treasure mine, at Bullion, Superintendent H. T. Power has been sinking an air shaft to connect with the main tunnel, but has encountered a large amount of water, which makes sinking difficult. Consequently, a boring machine has been bought to bore a hole to the main tunnel, whereby the water can be drained off. Gravel has been struck at the Strawberry mine, at Monona Flat, near Iowa Hill. J. Watts, Sr., is the principal owner.

**Mining and Scientific Press, V. 90, 4/1/1905, p. 207**

Work has been resumed at the Full Moon mine, near Michigan Bluff, by Superintendent G. Smith. Gravel has been struck at the Strawberry mine, at Monona Flat, near Iowa Hill. J. Watts, Br., is the principal owner.

**Mining and Scientific Press, V. 90, 4/8/1905, p. 224**

It is reported that the Black Canyon quartz mine, near Indian Springs, will start up May 1. The Red Point mine, near Damascus, is being worked on a small scale, six men working there on a lease. The Salvation mine, at Sailor Canyon, has stopped work.

**Mining and Scientific Press, V. 90, 4/15/1905, p. 242**

H. T. Power, superintendent of the Hidden Treasure mine, at Bullion, reports that the 10-inch bore hole is down 100 feet. The shaft is 210 feet deep and the upraise 310 feet. When the boring is finished it will let the water out of the shaft into the tunnel, and the bore will then be enlarged to the size of the shaft. The tunnel is now about 2 miles long. It is reported that the Buckeye mine, near Forest Hill, has shut down.

**Mining and Scientific Press, V. 90, 4/22/1905, p. 257**

The Cash Rock mine at Forest Hill will commence work this spring.

**Mining and Scientific Press, V. 90, 4/29/1905, p. 274**

The Cash Rock mine at Forest Hill has commenced work for the season under the supervision of R. Jones.

**Mining and Scientific Press, V. 90, 4/29/1905, p. 277**

J. E. Nihill, superintendent Mayflower mine, Forest Hill, Cal., has been in San Francisco.

**Mining and Scientific Press, V. 90, 5/13/1905, p. 307**

The Glenn Con. and Blue Eyes, near Last Chance, are being reopened.

**Mining and Scientific Press, V. 90, 6/3/1905, p. 363**

J. L. Grimes is superintendent of the Black Canyon mine at Westville, Placer county, Cal.

**Mining and Scientific Press, V. 90, 6/10/1905, p. 378**

A dredger has been put in at the Cash Rock mine, on the American river, near Forest Hill.

**Mining and Scientific Press, V. 90, 6/17/1905, p. 396**

F. Armstrong of Grass Valley, superintendent of the Golden West gravel mine at Canada Hill, east of Westville, is starting work and will run three shifts – during the season. H. Blagrave, superintendent of the Canada Hill Quartz M. Co., is running a double shift, six men, on their mine and mill. The Tadpole mine, near Secret House, the Black Canyon mine and the Santa Fe mine are being opened up.

**Mining and Scientific Press, V. 90, 6/24/1905, p. 411**

The Jupiter gravel mine, near Iowa Hill, has closed down because of lack of water. Robt. Jones has men at work at the Cash Rock, near Forest Hill. This is a river claim, and the work has to be rushed to get to bedrock and take out gravel before the rains come.

**Mining and Scientific Press, V. 91, 7/8/1905, p. 32**

At the Smith Point mine a drift is being run on the 200-foot level. The Tadpole mine, 5 miles above Westville, is reported to be working four men, and ore will be crushed at the Alameda mill at Black Canyon until the mine is thoroughly tested and prospected.

**Mining and Scientific Press, V. 91, 7/15/1905, p. 48**

Superintendent D. M. Ray of the Placer Gravel G. M. Co. at Last Chance is putting in a gasoline engine to ventilate the mine.

**Mining and Scientific Press, V. 91, 7/22/1905, p. 65**

The Tadpole mine, 5 miles above Westville, is reported to be working four men, and ore will be crushed at the Alameda mill, at Black canyon, until the mine is thoroughly tested and prospected.

**Mining and Scientific Press, V. 91, 7/29/1905, p. 81**

The Jupiter mine at Iowa Hill has closed down temporarily. The gravel at the Buckeye mine, above Forest Hill, is said to be averaging \$5 to the car. They have both the blue and the white lead, and it is believed are on the old Morning Star channel.

**Mining and Scientific Press, V. 91, 8/5/1905, p. 97**

The Hidden Treasure mine is working 140 men and making good progress on the air shaft near Forks House. The Baltimore mine at Forest Hill is running with thirty men and putting in a 50 H. P. engine. At the Mayflower mine, near Forest Hill, they have struck the Orino channel. At the Tadpole mine, at Secret House, four men are driving the main tunnel. The Jarvis mine, at Red Point, is being worked with twenty-five men. About fifteen men are employed at the Red Point mine. The Alameda mine

machinery at Black Canyon is being put in order, electricity replacing steam, and forty men will be employed. The Paragon mine, at Bath, is working twenty-five men on good pay dirt, two shifts a day. James & Smiley have four men at work at the Prairie Flower mine, at Canada Hill, developing. The Salvation mine, at Canada Hill, has closed down for a short time. Drifting is to be started at the Santa Fe mine, at Canada Hill. In the Golden West mine, at Canada Hill, the pay channel is said to have been reached.

The Acacia, or James mine, near Damascus, has been sold to a San Francisco company by G. and H. W. McAulay.

**Mining and Scientific Press, V. 91, 8/12/1905, p. 118**

(Special Correspondence).—The recently completed shaft of the Hidden Treasure gravel mine at Bullion is being timbered. A sawmill is to be put up at the collar of the shaft, and hereafter all timber will be supplied through the shaft. The tunnel is being straightened and 35-pound rails are being laid to replace the lighter ones formerly in use. A new electric locomotive to be put in will increase the output. H. T. Power is superintendent. Bullion, Aug. 9.

**Mining and Scientific Press, V. 91, 8/26/1905, p. 136**

The first hydraulic mining of which there is an authentic record was at Yankee Jims, a placer camp in Placer county, Cal., about 3 miles west of Forest Hill. A ditch was dug along the hillside and from this a flume was built outward toward a small ravine, where the mine had been opened. This flume was carried out until it had reached a point 40 feet above the ground. Here the water poured into a barrel, to the bottom of which was attached a hose or pipe of rawhide. The nozzle was a tin pipe about 4 feet long and shaped like an ordinary horn, having an opening 1 inch in diameter at the end. With this small and simple apparatus E. E. Mattison, the inventor, soon proved the superiority of his device over shoveling, and the idea was at once adopted and quickly improved and enlarged upon.

**Mining and Scientific Press, V. 91, 10/7/1905, p. 248**

The Black Canyon mine, near Westville, has closed down. The Polar Star at Dutch Flat is to be reopened.

The drill used in boring the air shaft in the Hidden Treasure mine, at Bullion, has broken through and the air can now go through the shaft, but there is still 70 feet to finish, as the hole from the drill is only a small one. The Reed and White placer mines and ditches have been leased to F. G. Albinos and M. Toy of Michigan Bluff by J. D. Meredith.

**Mining and Scientific Press, V. 91, 11/4/1905, p. 315**

It is reported that rich wash gravel has been struck at the Dardanelles mine at Forest Hill, being operated by A. G. Read. F. Randall is foreman,

**Mining and Scientific Press, V. 91, 11/11/1905, p. 332**

Superintendent R. Jones of the Cash Rock mine, near Forest Hill, has pulled out their machinery for the winter. They will open up again next spring. A large force is working at the Baltimore, near Forest Hill.

**Mining and Scientific Press, V. 91, 11/18/1905, p. 350**

It is reported that the Hidden Treasure mine, at Bullion, has been temporarily closed down.

**Mining and Scientific Press, V. 91, 12/2/1905, p. 387**

A. Weske is running a tunnel to tap the gravel channel of the Dam claim at Centerville.

**Mining and Scientific Press, V. 91, 12/30/1905, p. 452**

In Placer county the largest output of quartz is from the vicinity of Auburn, but the principal yield of gold is derived from the drift mines of the Forest Hill divide at Michigan Bluff and Bullion.

**Mining and Scientific Press, V. 92, 2/3/1906, p. 77**

Superintendent Geo. McAulay is increasing the working force at the Jarvis mine, at Red Point. The Paragon hydraulic mine, at Bath, has been closed until the water can be drawn from the pit. The leasers working the Red Point mine are preparing for a big season's work. Work in the shaft of the Hidden Treasure mine, at Bullion, has been temporarily stopped by the Hood of water from the melting snow.

**Mining and Scientific Press, V. 92, 3/10/1906, p. 168**

The Buckeye mine, near Forest hill, will be-reopened, The Baltimore mine, at Forest hill, has been practically closed down to permit of extensive repairs and development, The Proper Fraction quartz claim, in the Canada hill district, northeast of Forest hill, is advertised to be sold at sheriff's sale, on March 24, to satisfy a judgment of \$1,779,69,

**Mining and Scientific Press, V. 92, 3/24/1906, p. 195**

The modern streams of California have cut channels as deep as 3,000 ft. below the ancient river beds, in some places, particularly the American river, near the eastern end of Forest Hill divide, and near Canada Hill, Bald Mountain and that section.

**Mining and Scientific Press, V. 92, 3/24/1906, p. 208**

It is reported that the Pioneer mine, situated near Damascus, has been sold to J. B. Hobson. The Pioneer is one of the oldest quartz mines in the county. During the last few years little work has been done on the property. It is equipped with a 20-stamp mill.

**Mining and Scientific Press, V. 92, 6/2/1906, p. 370**

The Goldfeld-Tokop Mining and Milling Co. has bonded the Black Hawk mine, also known as the Pedlar mine, in Humbug district near Damascus. The mine is an extension of the Pioneer mine. R. E. Whitcomb, secretary of the Goldfeld-Tokop Co. has been two weeks getting things in order for work. The company has leased the ten-stamp mill of the Southern Cross mine close by and is building a tramway to the mill. About 900 ft. of tunnel have been run by the original owners.

**Mining and Scientific Press, V. 93, 7/21/1906, p. 70**

The Home Ticket gravel mine at Last Chance is working from 15 to 20 men and is said to pay \$8 to the man. Frank Tillotson is superintendent. The mine is owned by Alfred Dixon and others. There are two other mines in the Last Chance district which are good claims—the El Dorado, owned by D. M. Ray, with Millard Hyland as superintendent, and the Startown, with Will Davis as superintendent. The Blueeyes is also being worked. It is reported that the tributers have ceased work on the Turkey Hill, near Michigan

Bluff. As soon as the snow melts, there will be much prospecting done in the Canada Hill district. The Barton mine, near Westville, is to be re-opened.

**Mining and Scientific Press, V. 94, 1/12/1907, p. 48**

The Northern California Mines Co., a corporation composed of Pittsburg men, owning the old Osborn mine near Westville, has completed a tunnel 1,400 ft. long, and drifts have been run each way on the vein from the end of this tunnel. This work has proved that the lode averages six feet wide and that the ore is of a good milling grade. A force of 25 men is at work in the mine, and will continue throughout the winter. The Joshua Hendy Co. is building a 40-stamp mill on the ground, which will be run by electric power generated on the Middle Fork of the American river. It is the plan of the company to increase the mill to 100 stamps within a year.

**Mining and Scientific Press, V. 94, 2/2/1907, p. 142**

The Peckham Hill tunnel is in 2,000 ft. and slate is the only rock encountered. If extended to Forest Hill, it will cross seven channels and 100 old tunnels. Many claim owners will work their properties through this tunnel. The grade is about 75 ft. to the mile, and there is a good millsite at the mouth of the tunnel, and a mill will have to be erected, as the gravel is all cemented. It is estimated that over \$40,000,000 in gold has been taken out of the mines in the vicinity of Forest Hill.

**Mining and Scientific Press, V. 94, 2/23/1907, p. 230**

Mining will soon begin in the Owl Creek district, between Spring Garden and Yankee Jims. The Rice location has recently been sold; it has a large vein carrying about \$3 per ton. A mill was built on this property some 15 years ago, but as the capacity of the plant was small, and the ore uniformly low-grade, it was abandoned.

**Mining and Scientific Press, V. 94, 3/23/1907, p. 355**

There is great activity on the Forest Hill divide, both in quartz and gravel mining. The Pioneer mine, below Damascus, will be opened by a tunnel run at a lower level than any of the previous workings. The Southern Cross, on the north fork of the American river, has yielded some good ore, and it is to be consolidated with the Pioneer and a tunnel will be run nearly 6,000 ft. long, to cut all the veins on both properties. The Rawhide mine, which lies farther up the river, has been producing some rich ore. In addition to these properties, the mines at Snow Mtn., Bald Mtn., Black Canyon, Sailor Canyon, and the Barton mine will be worked this season.

**Mining and Scientific Press, V. 94, 4/18/1907, p. 450**

Some work is being done in the old quartz mine at Bird's Valley, near Michigan Bluff. This property was a producer 40 years ago. Work will soon begin on the American, or old Alabama vein. Work on the Imperial ditch has been suspended on account of the heavy snowfall. The width of the channel at the Home Ticket mine has not yet been determined, although it is known that the pay gravel ranges from five to seven feet deep, and the channel has been worked 200 ft. wide. A tunnel has been started to explore the Three Queens property, in Volcano canon.

**Mining and Scientific Press, V. 94, 5/11/1907, p. 581**

Men are needed in the mining districts of this county. At the Herman mine, as soon as the season opens, 120 men will be employed at the mine and mill and in construction work. About 10 men are working on the Home Ticket channel. A tunnel is being driven to open the lower end of the channel, at El Dorado mine. A big cave has closed the mouth of the tunnel at the Big Basin property, and no work is being done. At the Glenn mine, above Bald Mtn., Robert Jones is running a bedrock tunnel. The Eclipse mine is pumped out to the 400-ft. level, at which point a drift will be run to the east. About 30 men are employed at the Three Stars, and the shaft is down 1,200 ft. Sloping will soon start.

**Mining and Scientific Press, V. 94, 5/25/1907, p. 644**

Six lessees are working at the Red Point. The Imperial company needs more men. The Pioneer quartz mine, between Towle and Damascus, has been sold. There is rich ore in sight at the Three Queens. L. C. Trent is directing operations at the Iron mine. The old shaft has been pumped out and cross-cutting has started, 14 men being employed. William Dodge is the superintendent. M. Savage is prospecting the old Homestake on the west side of Volcano canon. Rich ore has been taken from this property, but the ground is very heavy and hard to hold.

**Mining and Scientific Press, V. 94, 6/1/1907, p. 678**

The Rawhide company will run a tunnel 500 ft. lower than the present one. About 15 men are employed at the mine. A flume is being built to the Black Hawk mill on the north fork of the American river, preparatory to starting. The Excelsior mine will soon be reopened by Denver people, and a large force of men will be given work. At the Hidden Treasure mine 30 men are employed. The tunnel has been run 1,100 ft. Three men are prospecting on the Homestake mine in Volcano canon. There is a 500-ft. tunnel, and a five-stamp mill is on the ground.

**Mining and Scientific Press, V. 94, 6/15/1907, p. 741**

A tunnel is being run on the Three Queens property, from Volcano cañon, parallel with the lode. Shafts will be sunk on the outcrop. The Evening Star property is being examined and may be operated again.

**Mining and Scientific Press, V. 94, 6/29/1907, p. 804**

Some good ore is being mined in the Rublin mine, near Last Chance. The Alameda mine, in Sailor canyon, will be opened this summer. A. G. Head has let a contract for running a 150-ft. tunnel on the Dardanelles. G. Maloney is running a tunnel on an old quartz claim near Forest Hill. The Rawhide company declared a 10% dividend this month. L. C. Trent is running a cross-cut at Mineland, but has not yet reached the vein. The shaft is down 600 ft. About 100 men will be employed. The Northern California G. M. Co. is pushing work on the old Herman mine, also called the Barton. About 60 men are employed, and an addition of 30 stamps will be made to the old 15-stamp mill. The electrical equipment is at Colfax, awaiting shipment to the mine. Next year, the company expects to add 60 more stamps, and sink to a depth of 1,500 ft. The parallel vein on the Schulz claim will also be developed. This company is composed largely of Pittsburg capitalists. Henry C. Carr is the superintendent. The Washington quartz claim has been sold to L. A. Gross, for \$10,000, and he will, in conjunction with E. W. McGraw, of Han Francisco, tear down a 20-stamp mill in Amador county and erect it on this property. The Excelsior mine is being put in shape and the 10-stamp mill will be operated this summer.—The Trinidad mine, south of

Cisco, will be worked this summer. The Lost Emigrant mine has been bonded, and a 10-stamp mill will be erected on the property. W. S. May will erect a 30-stamp mill for a Pittsburg company, 18 miles above Forest Hill. A 500-h.p. steam-plant will operate the mill and a 200-kw. generator and two air-compressors will be installed. The Lost Emigrant mine near Summit will be opened as soon as the snow melts. W. H. Bray and associates will put up a 10-stamp mill. There is a force of 50 men working at the Herman mine. Sites for the sawmill and quartzmill are being prepared. The new tunnel at the Eureka is through the rim, but has not reached the bed of the channel. The tunnel at the Hidden Treasure is being run through the reef, and is expected to open the old blue lead. Work is progressing on the tunnel of the Rawhide. More men will be put to work on the Golden Scepter mine, near New England Mills. F. Ephraim is in charge. W. A. Freeman will run the Black Hawk tunnel 75 ft., to the channel. N. E. Davenport is developing a vein on the Lillibridge property. Fred. W. Snyder has made a good strike on his property in Black canon, above Forest hill. Sample shipments have been made to the smelter.

**Mining and Scientific Press, V. 95, 7/20/1907, p. 68**

The Santa Fe gravel mining company will soon start work on its property. The shaft is down 40 ft. on the Dewey mine, which is being worked by Ned Gilbert. At the Black Hawk mine on the North Fork, 14 men are employed and the tunnel is in 400 ft.

**Mining and Scientific Press, V. 95, 7/27/1907, p. 99**

Victor Henderson is taking out good pay-dirt from the Stemple tailing claim in Shirt Tail canyon. Ed. Witherspoon is opening up the Yankee placer mine, at the mouth of Sailor canyon, on the north fork of the American river. The new heavy machinery for the Herman mine is being hauled from Colfax. The 12-stamp mill will have 30 stamps added to it. The stoping is at present confined to the upper level, 250 ft. below the surface, and the south drift is being run in the lower tunnel. Dams for power to run the electric general generator will be built on the middle fork of the American river.

**Mining and Scientific Press, V. 95, 8/16/1907, p. 162**

The old Homestake quartz mine, near Forest Hill, has been opened up again. The one toward the east is in 250 ft. Work is progressing on the Imperial. The old mill has been taken from Pat Goggin's mine to Big Oak Flat, and will be set up there. Wm. Duffey is the superintendent.—J. T. Gavin has finished the tunnel on the Ceanothus mine, adjoining the Mayflower, and has struck the gravel channel. The channel has been opened for 100 ft., and the gravel at the head of the new tunnel prospects well. The old Mamaluke mine, on Georgia hill, is being prospected again. In the new tunnel at the Eureka 15 men are employed, under J. A. Ferguson. Several of the officials of the Northern California Gold Mines Co. have recently visited the Herman mine.

**Mining and Scientific Press, V. 95, 8/16/1907, p. 162**

The Peckham Hill property has recently been examined, with a view to extending the 1, 500-ft. tunnel, the face of which is now near the old Blue Gravel shaft.

**Mining and Scientific Press, V. 95, 9/21/1907, p. 352**

The tunnel being driven on the Annie Laurie by E. Vere and R. Young is in 150 ft. All mines on Georgia hill, except the Clark property, have been bonded by Drummond, the last one to change control being the property of J. N. Burke and associates. Machinery for the Buckeye and Slope mines has recently



been purchased by W. S. Fletcher. Work on the surface equipment at the Buckeye is being rushed. The Cash Rock dredge will be built by the Byron Jackson Works of San Francisco. The materials have already been shipped. M. Savage is working men in the tunnel on the Homestake.

**Mining and Scientific Press, V. 95, 9/28/1907, p. 384**

Fourteen men are working in the Mameluke mine on Georgia hill. Ernest Garrison is doing assessment work on his quartz claim below Yankee Jims. It is reported that E. T. Roode has sold his mine at Todds Valley to New York people for \$75,000. Tom Brown has cut the Paragon gravel in his tunnel. A. G. Reed is running a tunnel toward gravel in the Dardanelles. Fred Dependener is in charge, and the property is owned by L. Tyler, D. Jones, and H. O. Yarrow. W. E. Howell's tunnel, which is being run for the Louise vein near Yankee Jims, is in 250 ft., in a dolomitic country. A tunnel is being run on the Annie Laurie, by Vere & Young.

**Mining and Scientific Press, V. 95, 10/12/1907, p. 447**

(Special Correspondence).—The Placer Gravel Mining Co. at Last Chance is running a cross-cut and raise from the old El Dorado tunnel to catch the lower end of the Big Lead channel, which they cut some time ago, in a raise some 1,800 ft. upstream from their former workings. The new cross-cut leaves the old El Dorado tunnel near where the Sharp Stick channel was discovered. At the upper end of the Big Lead the gravel pays well, but as they are working downstream mining is proceeding at a disadvantage. Dave Ray, the superintendent at the mine, has 14 men at work. This mine is about 1,700 ft. above where the north fork joins the middle fork of American river, and has a good dump. The gravel at the mine is fairly free from cement, but as a precaution Mr. Ray has arranged a series of drops in the sluices and consequently the loss in the tailing is quite low. As yet no rare minerals have been found in the black sand from this gravel. At the Rubelin group, a quartz property in Last Chance ravine, about one mile below the town, the drift on the lode is in about 40 ft. The vein has an 18-in. streak of ribboned quartz which assays \$10 per ton. The ore carries some galena and pyrite with scattered specks of free gold. It is intended to install a 2-stamp mill soon. This drift on the vein will give a good back of ore. The vein is said to have been traced for over two miles. At the Home Ticket drift mine on the same channel as the Placer Gravel company 12 men are blocking out the gravel. The gravel in this mine is cemented and so will require crushing. The Deadwood Drift property is not working at present owing to the litigation on account of which it has been shut down for several years. The Hazzard drift mine on the Turkey Hill channel is also shut down for the same cause. George Wingfield has failed to make the payment on the Queen mine which recently became due. The owners, Savage & Warden, will work it themselves. At the Herman mine, where the old 10-stamp mill has been started, but owing mainly to the distance of the mine from the railroad, trouble is being had in getting miners.

Much prospecting has been done on the Upper Forest Hill Divide this season. Several quartz veins have been discovered and the developments are quite encouraging. It is reported that the upper 'lead' has been discovered at the El Dorado gravel mine at Last Chance. The lower pay has been worked for 4,000 ft. along the channel. After long prospecting the upper pay was discovered in a raise 1,800 ft. from the mouth of the tunnel.

**Mining and Scientific Press, V. 95, 11/2/1907, p. 543**

Considerable development work is being done at the Paragon mine where they think they have found the upper lead. The new boiler at the Slope mine is in place and the pumping is progressing again.

About 40 men are working at the Slope and the Buckeye mines. H. M. Jarvis, representing an Alabama company, has bought the Hosmer claim adjoining the Grey Eagle on the east and south. He has also bought the Owl Creek ditch and will extend it down the North Fork slope and there generate electricity for working the Grey Eagle. The Grey Eagle tunnel will soon be reopened and retimbered.

**Mining and Scientific Press, V. 95, 11/9/1907, p. 570**

(Special Correspondence.)—The 2-stamp mill for the Rubelin mine, in Last Chance ravine, has arrived and will be installed immediately. Savage & Warden have five men at work on the Three Queens mine in Volcano canyon. They are retimbering the mine, straightening drifts, and preparing for systematic development during the winter. Mr. Drummond is cross-cutting the old channel at Georgia Hill near Yankee Jim; the gravel is said to be of good grade. Tom Browne is having a mill-test made on gravel from the upper channel of the Paragon mine. The lower channel at this old mine paid well in early days, and apparently the mine will again become a good producer.

The 10-stamp addition to the old 10-stamp mill at the Holy Cross mine on the American river, near Towle, has been completed and the mine is now ready to operate. Work is progressing at the Hidden Treasure, Eureka, Mameluke, and Jupiter drift mines. At the Buckeye and Slope mines 80 men are working. The Downing drift mine, near Towle, has been bonded. It is opened by a 1 600-ft. adit. This mine is north of the famous Mountain \5ate mine, and it is thought that the same channel goes through it. The Big Giant Co. is cleaning out and retimbering the old adit on that property.

**Mining and Scientific Press, V. 95, 12/21/1907, p. 762**

The Placer Gravel Mining Co. at Last Chance has found the bench at the lower end of their ground; they have been driving for it for some time. There is good gravel at this point. At the Rubelin quartz mine at Last Chance there has been installed a Pelton wheel, using water under a 90-ft. head to furnish power for the 2-stamp mill; most of the gold here is in free and is caught on the plates. Thirty-two feet of blanket sluices are used to catch the sulphides. The ore yields a little under \$10 per ton on the plates. As far as developed the lead shows up well.

**Mining and Scientific Press, V. 95, 12/28/1907, p. 797**

A 2-stamp mill has been completed at the Rueblin mine. At the Grey Eagle mine the work being done is confined to cleaning and retimbering the adit. C. W. Kellogg is erecting a hoisting plant at the Klondike mine. At the Hidden Treasure mine the gravel in the 'blue lead' is prospecting well. The ground has been blocked out and gangways opened so as to afford room for a large force of men to work. The buildings have been completed and most of the machinery placed in position at the Herman mine. Twenty men are employed at the McGeachen mine; Elmer Rose is superintendent.

**Mining and Scientific Press, V. 96, 1/11/1908, p. 53**

The dredge at the Cash Rock property has been launched; it is 84 ft. long and 44 ft. wide. The machinery is being put in place: 20 men are working on it. Lukens & Sons have installed a steam-hoist at their mine at Hogs Diggings and have taken out some good ore. At the Herman mine 25 men will be kept at work during the winter. A. Moer is driving a second adit at the Vineyard mine near the Wisconsin Hill-Yankee Jim toll-road. The retimbering of the Grey Eagle tunnel is in progress. A number of men are opening up the Polar Star mine. At the McGeachen mine 20 men are taking out gravel; the new hoisting plant at the Juniper shaft is finished. Four men are working at the Gleeson mine; the adit is about 400 ft.

in good paying gravel. At the Hidden Treasure mine 25 men are at Works Cited; a drift is being extended toward the Mountain Gate channel which it is expected to reach within 300 ft. Henry McAuley has a number of men working in the Drummond mine; a hoisting plant is to be put up and a shaft sunk on the lode.

**Mining and Scientific Press, V. 96, 1/18/1908, p. 83**

(Special Correspondence) .—The Morning Star drift mine at Last Chance is being cleaned and the old adit repaired preparatory to the resumption of mining.:—At the Placer Gravel drift mine 15 men are taking out gravel from both ends of the channel deposit on this property. The Home Ticket Co. has 12 men blocking out gravel at its drift mine in the Last Chance district. At the Rublin quartz mine five men are driving an adit on the vein; some good ore is exposed. Snow and ice prevent the operation of the 2-stamp mill. At the Deadwood drift mine two men are working. The 10-stamp mill at the Herman mine is being operated; the machinery for a new power-plant has not all arrived. Baird & Partner are working their placer mine in El Dorado canyon. The Imperial Mining Co. is operating its hydraulic mine on the North Fork of the Middle Fork of American river.—The Three Queens mine at Forest Hill is being systematically developed; some good ore has been found. At the Gray Eagle mine near North Star the old adit is being repaired. Joe Bruner and associates are working the Old Drummond mine; at one time this property produced rich ore.

**Mining and Scientific Press, V. 96, 1/25/1908, p. 112**

The dredge at Cash Rock is to be in working order by March 1. Forty men are working at the Slope mine near Forest Hill. J. B. Patterson has started a new adit at his mine at Boulder Ridge near Penryn. At the Herman mine 20 men will be employed during the winter to finish the upraise and stope ore; the 10-stamp mill is running regularly.

**Mining and Scientific Press, V. 96, 2/1/1908, p. 145**

R. L. Fletcher has four men at work at the Paragon mine; Tom Brown is in charge. At the Three Star mine, stoping continues on the 1200ft. level. The adit at the Hidden Treasure mine is still being driven along the blue lead toward the old Mountain Gate mine. The lessees of the Big Dipper mine are taking good gravel from new ground. The Peckham Hill property has again been bonded. The Bellevue company has decided to prosecute work on the 400-ft. level of its mine. The Home Ticket mine at Last Chance is yielding good gravel; the manager is still following the Pennsylvania system of blocking out the gravel.

**Mining and Scientific Press, V. 96, 2/15/1908, p. 212**

At the Southern Cross mine all repairs have been made and things are ready for a good run. The 20-stamp mill will be started shortly and the crew of 12 men will be increased to about 25; James H. English is superintendent. M. Savage has a small force of men developing the Three Queens mine; he is opening an ore-shoot that years ago yielded \$14,000 from a piece of ore the size of a parlor stove. The Crater mine has been drained and everything is in readiness for driving on the 800-ft. level. Lee McCoy has struck a 'white channel' at the Vier mine on Georgia hill. The Cash Rock dredge has been completed; the suction pipe can take up and throw off a boulder 9-in. diam. An oil-tank of 80,000-gal. capacity is being built on the river-bank.

**Mining and Scientific Press, V. 96, 2/22/1908, p. 244**

E. "Witherspoon and J. Young are working a prospect on the North Fork of the American river near its junction with Granite creek. The gravel is rich with coarse gold. A number of men are working at the Eureka, above Westville, exploiting the southern vein. The channel has been found, but its extent and character have not been determined.

**Mining and Scientific Press, V. 96, 2/29/1908, p. 276**

The dredger at the Cash Rock is finished and lies moored at the mouth of the Dardanelles canyon. The boat is 85 ft. long, 40 ft. wide, and 7 ft. deep. It is designed by Du Bois, who is operating a similar suction dredge at Middle creek, Shasta county. A diver works on the river bottom and removes the large boulders with a grappling-hook. The dredger will start work in April.

**Mining and Scientific Press, V. 96, 3/21/1908, p. 374**

The water has been pumped out of the Mountain Gate mine and gravel is being extracted. The ground will be worked through the Hidden Treasure adit. The Homestake mine at Last Chance is being operated by R. L. Fletcher. A mill will be erected as soon as the snow is off. Much of the gravel is cemented and requires milling, but it is of good grade. The Slope, Wasson, and Blackhawk mines will also be worked under the same management through the Paragon adit.

**Mining and Scientific Press, V. 96, 4/8/1908, p. 439**

At the executive committee meeting of the Anti-Debris Commission recently held in Sacramento, the dams around Dutch Flat were declared insufficient. Three lessees are working on the Big Dipper channel. An adit will soon be started from First Brushy canyon to open up the Slope, Wasson, and Blackhawk claims. A few men are at work cleaning out and re-timbering the adit at the Red Star on Devil's canyon. Work is progressing steadily at the Home Ticket, under R. L. Fletcher. The El Dorado, which is nearly at right-angles to the Home Ticket, is turning out considerable profits, which repay the expense of finding it.

**Mining and Scientific Press, V. 96, 5/14/1908, p. 471**

New boxes have been put in the Pond mine at Todds valley. The old drifts will be re-timbered. The old Pond ditch, having its source in Volcano canyon, near the old Hazard mine, will be repaired. Work will soon be resumed at several properties on the Forest Hill divide.

**Mining and Scientific Press, V. 96, 5/9/1908, p. 613**

Nickey & Beers have started work on their Standard Unit property. Twenty men are at work at the Hidden Treasure. The Ray & Savage mine on Duncan ridge will start at once driving an adit. The adit at the Clark mine on Devils canyon will be extended 500 ft. farther, with the hope of striking the Dardanelles channel. The old Bishop mine, now called the Pacific, has been bonded to Oakland capitalists. The owners of the Rueblin mine will enlarge their stamp-mill this season. Ed Cavanaugh has sold one-half of his interest in the Black Canyon, one mile and a half above Westville, and work on the adit will be resumed. Vore and Young have stopped sluicing at the Annie Laurie because of lack of water, and are driving cross-cuts from the head of the adit. The Long Valley Mines Co. has been incorporated with the purpose of acquiring and working the Hafner quartz mine, on Rush creek. The Bonnie placer on Poorman's creek will be worked.

**Mining and Scientific Press, V. 96, 5/23/1908, p. 688**

W. S. Fletcher is putting up a 2-stamp mill at his Home Ticket property. He will use electric power. Lee McCoy is to start a new adit at the lower level on his Vier claim on Georgia hill. The dredge at the Cash Rock has opened a pit 15 ft. deep, and at this rate the suction pipe should reach bedrock in a short time. The suction pipe is protected by a triangular shield, which serves as a guard to the divers. Boulders as large as 8 in. diam. are drawn through the pipe. The big boulders are raised with grappling hooks attached by the diver, and dumped to the rear of the boat. The sand and smaller boulders are sucked up and dropped upon grizzlies, through which the sand drops into boxes, which are arranged in tiers and move around in nearly a circle so as to give time and space for catching the gold. The boulders pass on over the grizzlies to an endless belt, which carries them to the stern of the boat, where they are dumped into the river. Two divers are employed. They are dressed in regular diving suits and work six hours. Several pieces of heavy river-washed gold have been found in the boxes.

**Mining and Scientific Press, V. 96, 6/13/1908, p. 789**

The Pioneer mine, near Damascus, has been leased to H. T. Power. The Pedlar, near Towle, has been leased to Willis Abbott and others. The dump is being treated at the Southern Cross mill.

**Mining and Scientific Press, V. 97, 7/4/1908, p. 5**

The Blue Eyes, above the last Chance, has started up.

**Mining and Scientific Press, V. 97, 8/8/1908, p. 168**

W. A. Fletcher will install an electric plant on the North Fork of the Middle Fork, to run the mill at the Homestake mine, at Last Chance ; the Paragon, at Bath, and the old Dardanelles, near Forest Hill. He has put more men at work at the Dardanelles, and will drive the Black Hawk adit ahead. The old tunnel run by Chapman is in 600 ft., and he expects to run 150 ft. farther Tom strike the channel. A compressor is being installed at the Homestake

**Mining and Scientific Press, V. 97, 8/15/1908, p. 203**

Work at the Azalea has been temporarily stopped. The agent of a San Francisco company is negotiating for the group of quartz mines owned by the Robert Waugh Co., and the gravel mine of Morgan & Green near Bold Mtn. W. S. Fletcher has made the second payment on the Home Ticket mine. He has also begun the extension of the Blackhawk adit, near Forest Hill. Lawrence & Gaylord have driven their adit a total distance of 300 ft., and expect to go at least 100 ft. farther. The material is a tale and is so soft that augers are used in removing it. Work on the Hidden Treasure continues with 40 men. The sawmill is now running to fill the big orders of W. S. Fletcher for flumes along the line of the old Breece & Wheeler ditch.

**Mining and Scientific Press, V. 97, 8/22/1908, p. 239**

Bob Waugh and associates have gone to Canada Hill to do the assessment work on their Knob Hill group of claims. The management of the Peckham Hill has ordered lumber for a mill and blacksmith shop. The boiler of the Esperanza mine, near Greenwood, has been purchased and will be set up at the Peckham Hill. Work at the Southern Cross property has been temporarily stopped on account of shortage of water.

**Mining and Scientific Press, V. 97, 11/28/1908, p. 720**

Nearly a mile of track has been laid in the old Paragon adit. Gravel is being taken out and the mill is run one shift per day. The removal of a blockade in the lower adit and the consequent rush of water and dirt into Volcano canyon, buried the flumes and boxes of West & Co. and stopped work for a time. Ed. Kavanaugh has a small force of men at work at the Black Canyon quartz mine. W. S. Fletcher has a small force working the back channel of the Dardanells. The breast in the gravel is 8 ft. high and is gradually increasing. The normal depth is 14 ft. The gravel is rich, running from \$3 to \$20 per pan.

**Mining and Scientific Press, V. 97, 12/12/1908, p. 794**

Six men are doing work at the Big Gun at Michigan bluff, preparatory to working the mine this winter. This is one of the famous hydraulic mines of the county. It formerly belonged to the Van Emans, but the largest part is now owned by Alfred Dixon. It is reported that he has made a deal with W. S. Fletcher, who intends to work it this winter. The slope at the old Whitefield claim at Last Chance has been sunk 80 ft. in the expectation of striking the old slab channel. A surprise awaited the company, as instead of the slab, a new channel was opened up. There is but little washed gravel in the new channel, but it carries heavy fine gold. Twenty men are employed. The mill at the Peckham hill has been finished, the boiler installed, and the adit nearly cleaned out preparatory to regular work.

**Mining and Scientific Press, V. 97, 12/19/1908, p. 824**

All the machinery has been installed at the Peckham Hill mine. The wood for the winter has been cut and hauled. Ten men are at work timbering up a slip in the tunnel. Operations have been suspended at the dredge at Cash Rock. The number of large boulders has been a great handicap.

**Mining and Scientific Press, V. 98, 2/20/1909, p. 271**

The Southern Pacific is beginning construction work on another line between Roseville and Truckee, which will lower the elevation of the tracks by 1000 ft. and give a maximum grade of 1.5% instead of the present grade of 2.2%. The work will involve the driving of a six-mile tunnel, and will require about four years to complete.

**Mining and Scientific Press, V. 98, 3/6/1909, p. 336**

A 250-ft. adit is being run to work a deep channel at the White Oak, near Forest Hill. Near the same place, at the Canothus, John Gavin is reported to have struck a rich body of gravel.

**Mining and Scientific Press, V. 98, 4/10/1909, p. 501**

Two new California properties have been purchased for the Begole Mines Syndicate of Boston. They are situated in Bunch canyon, six miles from Colfax. So far they have never been developed to any extent. There is a single shaft on the property, which has been sunk only 35 ft., assays from which have shown good results. Robert Gross is president of the company.

**Mining and Scientific Press, V. 98, 4/17/1909, p. 536**

Twenty men are working at the Jupiter mine. The richness of the channel, like all others, varies in value, but so far not a barren spot has been found. A crew is at work opening the Big Dipper lead, where Mr. Rose, the superintendent, has found good gravel. The site for the new compressor at the Annie Laurie

has been prepared, and the compressor itself has arrived. Two carloads of other material are at Weimar awaiting shipment to the mine. The shaft on the Annie Laurie is 32 ft. deep, and carries gold at every point developed.

**Mining and Scientific Press, V. 98, 5/1/1909, p. 603**

Three wagon loads of machinery have arrived at the Annie Laurie mine, where development is being actively pushed by Captain Hooper. Three new adits have been started and a compressor is being installed. Water-power will be used, as the required 50 hp. can readily be obtained from the ditch of the South Yuba Water Company.

**Mining and Scientific Press, V. 98, 5/29/1909, p. 737**

The Begole Mines Syndicate of Boston has an option on the Annie Laurie and the Alameda mines, about seven miles from Colfax. They are developing each property by two adits, the lower on the Annie Laurie being about 700 ft. below the old workings near the top of the hill. Both adits are in quartz of milling grade. Power for the compressor is furnished by a Pelton wheel which is driven by a water column of 480-ft. head. The mine is equipped with an assay office, machine shop, and living houses.

**Mining and Scientific Press, V. 98, 6/12/1909, p. 807**

The shaft at the Orpheum mine is down 100 ft., and it is the intention of the management to sink 60 ft. more to the adit level. C. E. Peach is superintendent.

**Mining and Scientific Press, V. 98, 6/19/1909, p. 839**

At the Dewey mine, under bond to Wood & Parker, a strike of high-grade ore has been made. The shaft cut a vein of 'picture rock' at a depth of 52 ft. The Kavanaugh Co. has struck gravel in the Placer Queen and run 300 ft. across from the western rim, but has not yet found the eastern rim. The gravel is of a bluish-gray cast and carries gold. The mine is situated between Soda Springs and Robinson's Flat. The El Dorado-Placer Dredger Co. has decided to build another dredge at the Cash Rock in place of the one swept away by the flood last winter. The new dredge will be a bucket and suction combination.

**Mining and Scientific Press, V. 98, 6/26/1909, p. 871**

W. S. Fletcher is adding to the capacity of the mill at the Home Ticket, and doing other work preliminary to the development of the mine. The channel has been blocked out on a systematic scale and work can be crowded when the taking out of gravel begins. All the channel thus far opened pays. The gravel in the El Dorado has been getting richer as the drifts are advanced. Tom Haney has leased the channel along the adit in the lower lead of the El Dorado. Wood & Young have struck a narrow but rich vein in the Dewey. The Anderson mine at Duncan Ridge is taking out some excellent gravel. The company is starting a new tunnel.

**Mining and Scientific Press, V. 99, 7/17/1909, p. 74**

The shaft at the Orpheum mine is down 162 ft. A 5-stamp mill has been purchased from the Risdon Iron Works and is being hauled to the mine. Charles Peach is superintendent. The Herman Property Syndicate has paid off the \$11,000 indebtedness of the Herman mine and is retimbering the air-shaft, E. B. Quigly is in charge of the work. Harold Power is working the Hidden Treasure and Mountain

Gate gravel mines through the Hidden Treasure slope. The old Paragon channel has been cut by the adit at the Paragon mine. W. S Fletcher is in charge of the work.

**Mining and Scientific Press, V. 99, 7/24/1909, p. 105**

The 1600-tt. adit at the Bishop mine has opened the Slab-channel and a drift run along the bedrock. E. M. Threlkeld is president. The Bisset brothers have taken \$1600 out of two pockets from their property on Iowa hill, near Colfax. The Home Ticket mine has been closed by a strike, the men refusing to work underground with Chinamen, W. S. Fletcher is in charge of the mine.

**Mining and Scientific Press, V. 99, 7/31/1909, p. 137**

J. Pierson, of Colfax, is mining an exceptionally rich bar on the American river, portions of which have run as high as \$1 per pan. The McGeachin Mining Co., of Sacramento, has purchased the Morning Star mine at Iowa Hill. The property is chiefly valuable for the water-rights owned by the estate. The Peckham Hill mine is to be re-opened shortly. Earl Tiffnay is the owner. The El Dorado & Placer Dredging Co. is to build a new dredge at the Cash Rock placer claims. The dredge will be a combination of the suction and bucket types.

**Mining and Scientific Press, V. 99, 8/7/1909, p. 170**

A raise is being driven from the 2400-ft. adit at the Golden West gravel mine to tap the channel. E. H. Armstrong, of Grass Valley, is the principal owner. The shaft of the Lukens mine is down 80 ft. and has cut a good vein of milling ore. Good ore is being taken out of the Alameda and Annie Laurie claims.

**Mining and Scientific Press, V. 99, 9/4/1909, p. 309**

A new adit has been started on the Hidden Treasure property. Harold Power is in charge of the work. The Dewey claim has been bonded by a Denver firm which let a contract to drive the adit 100 ft. It will require 350 ft. additional work to cut the vein with this adit and the ore will be opened at a depth of 200 ft. W. R. Grant will have charge of the work. The adit on the property of N. E. Davenport has cut the contact and opened some good ore.

**Mining and Scientific Press, V. 99, 9/11/1909, p. 342**

The Denver syndicate, operating the Dewey mine under bond, is to prospect the vein on the Dodd's ranch. A small shaft has been sunk on the property and some good ore taken out. F. A. Moss has run a 100-ft. adit, sunk a shaft, and cross-cut the James vein.

**Mining and Scientific Press, V. 99, 9/18/1909, p. 376**

The shaft at the Lunkens mine is down 100 ft.. and is expected to cut the vein any time. Operations liave been resumed at the Star mine. U. S. Fletcher has made a payment of \$25,000 on the Home Ticket mine, leaving a balance of \$17,000 due on the property.

**Mining and Scientific Press, V. 99, 11/6/1909, p. 635**

It is reported that the Crandall mine has been purchased by Colorado capitalists, and will be further developed. At Michigan Bluffs, W. S. Fletcher is preparing to resume work at the Home Ticket. This property was recently closed because of a strike of the miners, but the trouble has been adjusted.