A GIGANTIO MINING ENTERPRISE. A River Turned Gut Of Bed.

Without doubt one of the greatest mining achievements of modern engineering is the construction of the Big Bend Tunnel on the Feather river, situated in Butte Co., Cali fornia. Feather river is formed by the North, Middle and South Forks, which rise in the Sierra Nevada Mountains in Plumas Co., run southwestward, and unite in Butte Co. to form the main Feather.

The river, including the forks, is 250 miles | three inches. long, and enters Sacramento river at Vernon in Sutter Co., about 20 miles above the city was ten feet high.

of Sacramento. It is well known, among gold miners, that the richest and most productive gold mines of California have been the beds of rivers, and the "Feather" stands pre-eminent as to richness wherever it has been possible to work it. In fact, old miners have known it een years old, is seven feet eight inches for years under the name of "The Golden tall. Feather."

Prof. Horace C. Burchard, late Director of the United States Mint, in speaking of the gold-producing river beds of California, says: "They are the natural sluices of thousands of square miles of auriferous ground, the wash from which has been distributed on the beds, bars, and benches, where, by a natural process of concentra- the human species. tion, the gold was redeposited in such manner that it was easily accessible to the early miners." The bars, which at low water are dry, are exposed to the operation of the miners, and from many places in the bed of of Prussia, had a guard of nearly equal the river-where it was possible to turn the river out of its channel by means of dams and canals, or flumes-the miner soon found the ways of abstracting the precious metal from the sand and gravel in which it rested. The Big Bend of Feather river, however, whose gravel deposits have been estimated in value from \$100,000,000 to \$150,000,000, has hitherto baffled the skill of man to rob it of its treasure. This vast amount of wealth has been guarded and preserved for ages by the minimum constant flow of one hundred thousand miners' inches of water rushing through a narrow canon of from 1,500 to 2,000 feet deep, which rendered it impossible to wing-dam or flume. Yet, while nature has thus seemingly placed impregnable barriers against man's encroachments, she provided, at one point at least, a way whereby these obstacles could be overcome through the intervention of modern engineering skill.

There is a little stream running through Dark Canon, which empties into the West Branch of the Feather and from there into the main Feather. Dark Canon is several feet lower than the bed of the main Feather, at the point where Big Bend begins. A tunnel was commenced in Dark Canon, and a bore 12 x 16 feet drilled through a spur of Big Bend mountain a distance of 12,007 feet, or nearly two and one-third miles in length out to the mountain side of Feather River, at the upper end of the Bend. Just below where the upper end of the tunnel taps the river a dam was constructed which is to force the water through the tunnel into Dark Canon, out of which it will flow into the West Branch, and then into the main Feather again. This will leave about fourteen miles of the river bed exposed to sight during the season of low water, which is from seven to nine months in the year.

This stupendous undertaking required the services of one hundred men, working night and day, for about five years, and has just recently been completed. At the head of the tunnel six gates of iron and steel, 41 by 8 feet, will let the water in or keep it out. fangs upon the human race. Ladies who In times of high water the gates will be closed, and the river will run along its old their sex, should use Dr. Pierce's Favorite bed, to be turned out of its course and through the tunnel at low water.

Feather accessible to mining operations, is struction, unnatural suppressions, prolapsus, sufficient evidence that the most sanguine or falling of the womb, weak back, "feanticipations of the projectors of this grand | male weakness," anteversion, retroversion, enterprise will be fully realized. The fam- bearing-down sensations, chronic congestion, ous old Cape Claim, below Big Bend, yield- inflammation and ulceration of the womb, ed \$680,000 in forty-two working days, and | inflammation, pain and tenderness in ovaries, from 3,300 lineal feet of half-worked river accompanied with "internal heat." bed. In fact, the river-channel, both above and below the Bend, has proven itself immensely rich.

The President of the Big Bend Tunnel and Mining Company, and the largest stockholder therein, is Dr. R. V. Pierce, who is, perhaps, of all others, most entitled to credit for the successful termination of this great undertaking. Being fully satisfied with the feasibility of the plan from sent will be given by the Breadmakers its inception, he has with an unstinting Yeast Company, of Toronto, to nearly every hand supplied the funds for the prosecution one, as long as they last-first come first of this enormously expensive work, and his served. The most accomplished woman has confidence and liberality will soon meet its still something worthy to be added to her reward.

ed with very many other important matters. of Home Bread-making this Company have In the fall of 1877, he was elected to a seat secured ten thousand presents, which will in the New York State Senate, and in 1878, be sent to all who comply with their terms. he was placed in nomination for Congress, They want all who are old enough either to and was elected by a decisive majority.

Trust and Safe Deposit Company, one of the will take your word for it when you have foremost banking institutes in the city of succeeded to your own satisfaction in using Buffalo. But he is perhaps best known as their Hop Yeast, and write them to say so, President of the "World's Dispensary Med- enclosing a wrapper of a five cent package ical Association and Invalids' Hotel and of THE BREADMAKERS' YEAST, when they Surgical Institute." This institution is sit- will send in return a lovely gift. This ofuated on Main and Washington streets. fer is open to any young lady, girl, single The design of the Invalids' Hotel is to fur- or married woman, matron or housekeeper, nish a home to those desiring private treat- who has never before made a loaf of bread. ment of the most skilled class, especially to | Any person having domestic charge of a those suffering from chronic and surgical household who is not now baking for the diseases. It is not a hospital, but a pleas family, and who will commence by using ant, remedial home, furnished with every their yeast, and who will send to them the comfort, and the most approved sanitary, wrapper of a package, and write to that efmedical and surgical appliances, which fect, will receive a still better class of gift study, experience, invention, and the most | than that above offered. Better yet : any liberal expenditure of money can produce. one at present making their own bread, us-There are eighteen skilled physicians ing their own or other yeast, but who will and surgeons constantly at the Hotel, buy a five cent package of the Breadmakers' and a corps of efficient and trained Yeast from any grocer or storekeeper, and, nurses. The Doctor is also the in- after using, will write and say that their ventor of several well-known medicines, Yeast is Superior, they will believe heralso, which are compounded at the Worlds' and will astonish that lady by return mail Dispensary. The efficacy of these medicines is undoubtedly what led to the idea and ultimate establishment of the Invalids' to the Company direct.

Why do you use those Expensive American and With a lovely gift. You must get the yeast Canadian Baking Powders when you can get as good and wholesome at one half the price? Prove it by trying the Cook's Gem. Manufactured by Dispensary. The efficacy of these medi- with a lovely gift. You must get the yeast Hotel. Very many who were using these remedies of Dr. Pierce's found them so beneficial that they began to send applications for personal treatment, and these appeals becoming so numerous, the Doctor if not all, of this might be secured by concluded to erect his Invalids' Hotel. The Big Bend Tunnel Company is fortunate in having so progressive a man as Dr. Pierce as their President.

The money expended in the construction of the tunnel does not represent all the capital involved. More than a hundred claimants to mining grounds on the bars, tanks tracks have been built; a substantial bridge | the city.

erected across the West Branch of the river, and what was an unbroken wilderness, around the vicinity of the tunnel, when the Company commenced operations, is now a thriving village with good dwelling houses, a general store, a hotel, and a school-house. A post office has also been established here, and a telephone line built to Oroville, sixteen miles distant.

Modern Goliaths.

The Chinese giant, Chang, is eight feet

Garpolus tells of a young giantess who

at Rouen in 1755.

Lecat speaks of a Scotch giant eleven feet six inches in height. The Grecian giant Amanab, now eight-

The giant Gille de Trent, in the Tyrol, and one of the guards of the Duke of Brunswick, was more than eight feet four Canada, Room No. 15.

inches in height. eight and a half feet, may be regarded as a specimen of the highest stature attained by

A Swedish peasant, cited by Buffon, was eight feet and eight lines in height, and the | All Druggists, 50 cents. stature of the Finnish giant Cujanus was the same, while Frederick William, King

Two Rich Cattle Queens.

The richest widow in Colorado was the wife of the late John W. Iliff, who was by mail 45 cents. known some years ago as the cattle king of FINE BOILER INSPECTION and Insur-Colorado. Iliff left about 100,000 head of cattle, and it is said that his widow manages his estate as well as any business man G. C. Robe, Chief Engineer. A. FRASER, Sec'y-Treas. could. She went to Colorado as a sewingmachine agent, there met Iliff and married him, and the experience she obtained in conin the management of her fortune. There is a cattle queen in Texas, Mrs. Rogerssaid to be worth \$1,000,000, and who has most prosperous days. Her husband is a preacher, but Mrs. Rogers manages the business. She sell the stock herself, buys all the supplies, and can ride a horse as well as any of the cowboys whom she has in her

A Horse Who Can Talk!

Everybody has heard of a "horse laugh," but who has ever seen an equine gifted with the power of speech? Such an animal would be pronounced a miracle; but so would the telegraph and the telephone have been a hundred years ago. Why, even very recently a cure for consumption would have been looked upon as miraculous, but now people are beginning to realize that the disease is not incurable. Dr. Pierce's Golden Medical Discovery will cure it, it taken in time. This world renowned remedy will not make new lungs, but it will restore diseased ones to a healthy state when all other means have failed. Thousands can gratefully testify to this. All druggists. Mark Twain will be 52 years of age in No-

> As glares the tiger on his foes, Hemmed in by hunters, spears and bows, And, ere he bounds upon the ring, Selects the object of his spring.'

So disease, in myriad forms, fasten its suffer from distressing ailments peculiar to Prescription. It is a positive cure for the most complicated and obstinate cases of The past yield, from those parts of the leucorrhea, excessive flowing, painful men-

The discovery of the value of oak sawdust in tanning was made in 1765.

Don't disgust everybody by hawking, blowing and spitting, but use Dr. Sage's Catarrh Remedy and be cured.

Taxes were levied by Solon, the first Athenian legislator, 540 B. C.

A GENEROUS COMPANY. - A beautiful prefollow directions or work under instruc-He is president of the Buffalo Loan, tions, to learn how to make bread. They

It has been estimated that the value of the flax, linseed, and oil annually imported into Britain represents a sum of nearly £10,000,-000. There is reason to believe that much, the British farmer.

Coff No More.

Watson's cough drops are the best in the world for the throat and chest, for the voice unequalled. See that the letters R. & T.W. are stamped on each drop.

The annual consumption of lager beer in and river bed had to be brought out in ac- New York is about 6,000,000 barrels, which, quiring title to this vast extent of rich to say nothing of the other forms of intoximining grounds. Boarding-houses have cating liquors consumed, gives about five been constructed along the river, roads and barrels for every man, woman, and child in

People who are subject to bad breath, foul coated tongue, or any disorder of the Stomach, can at once be relieved by using Dr. Carson's Stomach Bitters, the old and tried remedy. Ask your Druggist.

The number of fishermen lost at sea from fishing-vessels belonging to the United Kingdom during the years 1884-85-86 was 696. Catarrh, Catarrhal Deafness and

Hay Fever. Sufferers are not generally aware that these diseases are contagious, or that they are due to the presence of living parasites in the lining membrane of the nose and eustachian tubes. Microscopic research, however, has proved this to be a fact, and the result is that a simple remedy has been formulated whereby catarrh, catarrhal deafness and hay fever are cured in from one to three simple applicatione made at home. A pamphlet explaining this new treatment is sent free A giant eight feet high was exhibited on receipt of stamp by A. H. Dixon & Son, 808 King Street West Toronto, Canada.

Mio, Osgood county, Mich., has a street occupied entirely by Smiths.

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In the treasurer's report of a Raleigh, N. The Austrian giant Winckelmeier, who | C., church appears this item: "Salary was recently exhibited in Paris, measuring promised to the rector, \$15 per month. Salary paid to the rector, none.

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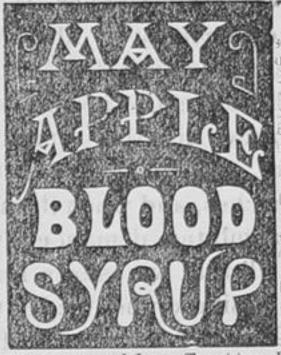
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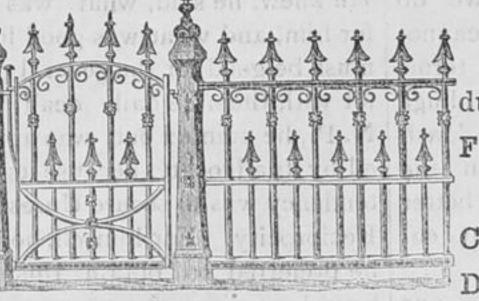
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