

a high state of perfection and am now securing a patent.

You will see by the photograph sent that I build the derrick between two or more wells, and they may be surrounded by other wells connected by pipes to insure a good supply of water. I place two or more pumps in each central well, and, with a twelve foot wheel, in an average wind, I obtain a lifting power of one ton at each revolution of the wheel. The speed is from thirty to fifty revolutions per minute, with a device to regulate the speed so as to not injure the pumps.

I can raise water from a depth of from 100 to 200 feet. Of course the greater the depth the less the amount raised; but with a twelve foot wheel where the water is not more than 12 to 20 feet from the surface, I can easily raise enough water to irrigate a forty acre farm. Such a machine, including pumps need not cost over \$150.

The mills are very simple and durable, and would not cost over \$5 per year for lubricating, and can be easily made in any locality. I have one in use that has run for ten years without present improvements, and I have only had to furnish it one new set of canvas sails and a little grease.

I can arrange the pumps all on one side so that it will pump from a pond, lake or river. It is just the thing for placer miners, farmers, ranchers or domestic use. I can attach a grind stone, churn, wood saw or circular saw, in fact anything to help a lazy man. I firmly believe that it will bring large areas of arid land into cultivation, and make home for thousands who otherwise would be without them.

I shall build one at Nephi next month and I shall be pleased to have you come and see it work.

WESTERN NEWS ITEMS.

California is now shipping green peas to Utah, Colorado and eastern points.

Steamship fares to Alaska have been reduced to lower figures than ever were known before.

Among the Salt Lakers in San Francisco is E. S. de Golyer, who is stopping at the Palace hotel.

Benjamin Hill, the brutal murderer of his wife at Oakland, Cal., is trying to escape on a plea of temporary insanity.

Two American Fork girls, Teresa Webb and Maggie Dowden, had a fight Sunday night, and had to be separated by Policeman Crookston.

In order to get around the fish and game law against shipping trout, California fishermen have been shipping the fish as rabbits.

Rev. Anna H. Shaw, Miss Susan B. Anthony and Mrs. Helen M. Guizer are in California engaged in a woman suffrage campaign.

The Woodland, Cal., Mail estimates that 215 farmers of Yolo county will, this year, plant a pound each of sugar-beet seed to make a thorough test of possibilities in that direction.

A number of the dissolute women recently driven from Merion street, San Francisco, have started eastward, intending to locate at Cripple Creek and other mining towns in the locality.

Benjamin Peteren, an insane man, failed in his attempt to commit suicide at Oakland, Cal., on Tuesday night, because the knife was not sharp enough to cut his throat. He was placed in the asylum.

Thomas Gates, superintendent of the territorial prison at Yuma, Arizona, committed suicide Saturday by shooting himself through the head. Despondency occasioned by continued ill-health was the supposed cause.

Robert J. Tomas, foreman at the Pioneer mine, above Iowa Hill, Cal., fell down a 200 foot shaft Tuesday, and was instantly killed. His skull was fractured, and his neck, arm and one leg were broken.

Visalia, Cal., fruit farmers save their crops from frost by pots of burning tar under wet straw roofs. In one instance this plan covered a 400-acre farm with a white fog, completely protecting it from a heavy frost.

Two letters and a petition containing 409 names have been received by the Vancouver, B. C. council, praying that the Sunday observance 'by-law' be amended so that those who wish to keep their stores open on Sunday may do so.

It is feared that Mrs. Frank Booth whose two children—all she had—were killed at Oakland, Cal., Monday, by an electric car, will not recover from the shock. The funeral of the children took place Thursday, March 12th.

The three-day-old baby of Mr. and Mrs. Frank Killian was found dead in bed early Monday morning at Oakland, Cal. Two hours before it was found the child had taken nourishment and was apparently well. It is supposed that the bedclothes were suddenly thrown over the little one and smothered it.

Ezra Meeker, a Washington hop-grower who has been visiting Ensland and acquiring into the hop trade, writes to the Seattle Post-Intelligencer that all who do not feel certain of raising the very choicest hops had better dig up their vines. There is nothing but actual loss in sight for the producers of off grade.

Monday forenoon Walter G. Mackay, a discharged employe of the Stockton county, Cal., hospital at French Camp, attempted to murder Bernard Cook, who had taken his place. Mackay was formerly head cook at the county institution, and was discharged last month for drunkenness. Cook probably will die.

Catherine Lund, a child 6 months old, died at San Francisco Friday night from the effects of the bite of a spider. The direct cause of death was gangrene extending over a considerable portion of the head and affecting the brain. The spider had been brought from Central America in a bunch of bananas, and bit the child on the eyelid, where it had crawled.

J. B. Moulton, employed in the Holbrook mine, a short distance west of Grass Valley, Cal., was badly injured Sunday night about 10 o'clock. He was oiling the machinery when his arm near the elbow got caught between the spur wheel and the bearings. With rare presence of mind he made no effort to release the arm, but allowed it to be carried along until

the space about the wheel widened and the arm was released. The flesh is terribly cut and bruised.

Governor McConnell, of Idaho, has received a letter from Charles P. Fox, professor of agriculture in the state university, stating that a government expert is to be sent to investigate the disease that has recently appeared among horses and swine in the vicinity of Idaho Falls. The state had no funds for investigation of the matter and the subject was taken up by the department with the result stated.

Officials of the Pacific Express company at San Francisco have advised Governor McConnell of Idaho of the presence there of one Charles Chambers, an escaped convict from the Idaho penitentiary. The dispatch says Chambers is considered a dangerous and desperate man, having already given the express company considerable trouble, and the officials would rest easier if he were in the Idaho penitentiary serving out the remainder of his sentence. The governor has authorized his arrest and detention until he can be returned. Chambers escaped 13 years ago.

Braver Utolian: A few of our citizens are making a big ditch and taking out the water from the Beaver river and taking it north along the base of the foothills towards North creek. This will carry water enough to irrigate several hundred acres of land that now lie idle. The promoters of the big canal scheme on the Northeast bench, are desirous of completing the ditch so as to use it this season if it can be done. A large amount of work has been accomplished and it would not require much effort, if all those who should be interested will only lend their aid to develop the project to a successful issue.

By the bravery of Miss Della Henderson, a domestic in the employ of Deputy Customs Collector Bell, at San Pedro, Cal., Saturday, his two little children were saved from a terrible death. An oil lamp which was standing on the table in the parlor was accidentally overturned. The lamp did not break, but the oil quickly ran out on to the carpet and immediately ignited. It was at a time in the evening when Mr. Bell was away from home and assistance could not be called. A few feet away from the burning oil was a baby in a crib and in an adjoining room was a four-year-old girl, also in danger of being burned, if the flames could not be controlled. Without a moment's hesitation and without losing her presence of mind the young woman snatched a valuable covering from the center table and quickly spread it over the fire. The lamp kept blazing and Miss Henderson took it in her hand, ran, pushed the door open, and threw it out of harm's way.

At the Oakland, Cal., receiving hospital is a sleeping Japanese whose case is puzzling the doctors. The Jap is 29 years of age and is known by the name of Tushako Hirane. This latter fact was learned through a countryman, for the sleeper sleeps so constantly that he has not uttered a word since he was brought into the hospital two weeks ago. Tushako was picked up by an officer at Twelfth and Franklin streets and taken to the city prison, where he was charged with violating