

Caspian Sea, where they remained vassals of the house of Sophi till the death of Khurem Khan, in 1779. In the civil wars which followed, Aga Mahomet played his part so well that he attained the crown a few years before the close of the last century.

The present Shah is about forty-four years of age, well educated, speaks Arabic, Persian, French and English with ease, and is endeavoring to bring his kingdom into sympathy with the States system of Europe. He left Teheran a few days since, was conveyed across the Caspian by a Russian escort, has by this time landed in Russia, and will proceed by train to St. Petersburg, where he will be the guest of the Czar till the opening of the Exposition. After spending some weeks at Vienna, he will proceed to London as the guest of the British Queen. He will doubtless be feted at both Courts, and perhaps subsidized by one or both ere he returns.

It may interest the curious to know the titles of the Shah of Persia, which are studiously regarded in all treaties and conventions to which he becomes a party. In these he is introduced as: "The Shah, as exalted as the planet Saturn; the Sovereign to whom the Sun serves as a standard, whose splendor and magnificence are equal to those of the skies; the Sublime Sovereign, the Monarch whose armies are as numerous as the stars; whose greatness calls to mind that of Djemschid, whose magnificence equals that of Darius; the heir of the crown and throne of the Kayanians; the Sublime Emperor of all Persia, the Shah Yu Shah."

A concession was lately granted to Baron Von Reuter by the Shah for the construction of telegraphs and railways within the Imperial dominions, which will bring Persia into more intimate relation with Western powers. This is, we believe, the first time a monarch of his dynasty has ever visited Europe. —*Louisville Courier-Journal.*

#### Steam Cultivation.

We heard a gentleman connected with the Sacramento Beet Sugar company remark the other day that the company lost one hundred and fifty acres of beets this season, in consequence of not having facilities of rapidly cultivating the soil. The soil dried up so rapidly after it was in condition to work, that before the last one hundred and fifty acres were planted it became too dry to sprout the seed, and hence the loss. To prevent a similar loss in the future, from a like cause, the company have determined to import this season one of Fowler's patent steam plows. One of the company intends visiting England this fall, and will purchase and ship the machinery in time for work in putting in next year's crop.

We regard this as a most important movement agriculturally, and the beginning of a revolution in the cultivation of the soil in this State that will lead to many very important improvements. First among these improvements we anticipate the adoption more generally of the summer fallow system and deep plowing. We believe the introduction of the steam plow will lead to this, for the reason that the expenses of cultivation will be reduced, and the facilities for doing the work rapidly being increased, farmers will give more attention to a better system. If all those farmers who lose crops this year from the fact that their planting was done so late, would, like the Beet Sugar Company, determine to remedy the difficulty in the future by preparing the facilities for more rapid and better work, the State would soon be compensated for the failure of the crops this season. Realizing the necessity of this improvement, and the peculiar adaptability of our wheat lands to steam cultivation, many of our enterprising farmers and mechanics have been experimenting with direct traction steam plows for years past, but it is greatly to be regretted that they have had so little success and so little encouragement for the wealth of brains and means expended. While our people have been spending their time and money on the traction system without success, the mechanics of England, by directing their genius and means in the direction of stationary machinery, have been successful beyond their brightest anticipations. In speaking of the difficulties of the direct traction system, A. Camp-

bell, an agricultural engineer of considerable experience, says:

Direct traction machines have so far been unsuccessful; nor does there seem any reasonable prospect of their ever successfully competing with wire-rope engines. Insurmountable difficulties stand in the way, which cannot well be overcome. Their heavy weight for the rough work they have to do carries with it a train of resistances fatal to economy, durability and good work, and I am confident if one-tenth of the money, ingenuity and time had been spent in trying to improve the wire-rope sets of tackle; instead of the disastrous failures that have happened time after time from the building of these cumbersome masses of perverted ingenuity, there would have been plowing machines in this country equal if not superior to any of the productions of England.

In speaking of the progress of steam plowing in England, Mr. Campbell says:

The last and greatest steam plowing competition took place at Wolverhampton in 1871, making eleven years of progress from the Canterbury trials. The utmost that a plowing machine was able to do at the Canterbury trials was about one acre per hour on light land, or one acre in two hours on heavy land. At the Wolverton trials, a set of John Fowler's tackle went into the field and cultivated three acres, to a depth of eight and a half inches, in forty one and a half minutes, doing its work to perfection. In order to show the extreme simplicity and handiness of this tackle, I will describe the work as it was actually done. On Tuesday, June 20th, at Barnhurst, the two engines, conveying their implements, left the depot field, traveled for a quarter of a mile, turning through two gateways, and were in position, ready for starting, in seventeen minutes. After the trial was concluded, the whole of the machinery was out of the field in fourteen minutes from the completion of the last bout. The breadth taken was at first ten feet ten inches, but after one bout, a couple of times were taken out, because of their tendency to muffle in the grassy clover leaf, the reduced width being nine feet two inches, and the average depth of work eight and a half inches. The power of the cultivator was shown during the last bout by the severing of several tree roots, one of them being eight inches round. The time occupied in doing the three acres was forty-one and a half minutes, and at that rate, forty-one acres, three rods, and ten perches, would be cultivated in ten hours.

The advantage of economy and rapidity having been settled in favor of steam plowing for this country, it remains to speak of the results in the direction of better and more certain crops. All who believe in deeper and more perfect pulverization of the soil will readily admit great advantages, but direct statements of practical results in other countries amount to strong arguments in favor of introducing the system in California. We give the following:

An extensive English farmer, who has used the steam plow from its earliest time, says that on two fields he has grown fifteen crops of grain, wheat and beans, in succession, without a fallow, and last year's crop of wheat was 40 bushels to the acre. On two other fields he has grown fifteen successive crops of wheat, the last crop quite equaling 40 bushels per acre. Under horse cultivation the average crop of these fields was only 20 bushels to the acre.

In Louisiana, Mr. Lawrence also testifies as to his experience in equally favorable terms. He says:

My experience fully justifies me in saying that the yield of cane on the steam plowed and steam cultivated lands, and with less than half the labor, will be 50 per cent. greater than can possibly be obtained by any other mode of cultivation.

A sugar planter in Cuba, writing to the Department of Agriculture, says that steam plowing has doubled the value of its land.

It is useless to present any more statements, as all the reports are equally favorable. On the banks of the Nile more than 400 are working nearly night and day. In the earlier stage the Pasha of Egypt gave a prize of a gold cup, at the Royal A. S. Fair, in England, for the best steam plow. He introduced the most successful machines, and experimented with them, eventually giving orders sufficient to keep a machine shop going for two years, and employing about a thousand men. Now we find the steam plow working alongside the time worn monuments of Egypt's ancient grandeur, and making a strange contrast in their useful and life-giving work to her relics of misguided energy and skill. —*Sacramento Record.*

This is the way the Modoc business strikes the New York *Evangelist*: "Touching the expensiveness of missions, the late futile campaign against the Modocs has probably cost our government more than all the missionary labor devoted to the Indians for the last ten years. And if, as now appears, a general hostility has been aroused, the outlays of the summer will probably exceed all that the entire American church has given to the Indians in a half-century."

**THE QUESTION.**—The attention of those ticklish individuals who first badly wanted, and then, when they obtained it, badly didn't want, woman suffrage in Utah, is respectfully invited to the following—

Woman as a voter is an accomplished fact in England. Every woman who occupies a dwelling in any city or town of England, Ireland, Wales, or Scotland, has a voice for alderman, and town officers in general. Under Mr. Forster's new act, in England widows and spinsters who pay rates have votes in the election of school boards. In Ireland, every woman who pays any sum as poor-rate has a vote in the election of poor guardians. It is said that the women exercise these rights heartily, and in many cases where saloon-keepers represented the wards of cities in municipal position they were signally defeated by the votes of the women.

## \$13 a Stand! BEES! BEES!!

I have a number of Stands of pure Italian Bees, full swarms in Harbison hives—a full hive—in good condition, no patent, which I will sell at the above price. JOSHUA TERRY, Draperville.

#### TAKEN UP

ONE white mare Mule branded H on left shoulder, F on right thigh, shod all round; has the appearance of not having been worked for some time; was found travelling the road south.

The owner can have the mule by applying to JAMES C. OWENS, Fillmore. Fillmore, May 22, 1873. d s w l e

#### ESTRAYED.

A BROWN Horse, 7 or 8 years old. White stripe on face, black stripe on back, branded with Diamond and Spanish brand on left shoulder; Spanish Brand on Left Hip.

A Dark Cream-colored Horse, about 5 years old. Left eye very glassy. No brands. A Dun-colored Horse, about 12 years old. Lame in left hip; long face and mane.

Any person finding the above animals and returning them, or giving information that will lead to the recovery of the animals, will be well rewarded. Apply to JOSEPH DILLWORTH. American Fork, May 27, 1873. (d s w l e)

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w5-3m

## ADMINISTRATORS' NOTICE.

ALL persons knowing themselves to be indebted to the estate of the late William W. Player, deceased, are requested to call and settle immediately; and those having accounts against the Estate should present them at an early date for adjudication.

CHARLES W. PLAYER,  
WILLIAM PLAYER,  
Administrators.  
S. L. City, May 15th, 1873. d140 3w 1w

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THAT very desirable Ranch on Bear River, known as Cottonwood, midway between Franklin and Soda Springs, on which are situated Medicinal Springs of great worth. It covers fine agricultural and meadow lands with an unlimited amount of bench range. Fishing at this point is excellent, and as a tavern stand is desirable. A post-office now there. The above valuable place is offered as the undersigned cannot give it the attention it deserves. Will exchange it for city property, and pay in cash any difference. Apply to HOOPER & EIDHEG, or JNO. W. YOUNG, May 21st, 1873. d154 w17 2w

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w10-1f

#### NOTICE.

TO WHOM IT MAY CONCERN. The cash entry No. 212 for the Townsite of Morgan City, Morgan County, Utah Territory, made March 12, 1873, embracing the following described lands, to wit: N E 1/4 and N W 1/4 of Section 28 and W 1/4 of S E 1/4 and S W 1/4 of Section 25 and S 1/4 of N E 1/4 and S E 1/4 of Section 35 Township 4 North of Range 2 East, containing 260 acres. Has been made in trust for the inhabitants thereof and is now ready to be disposed of in lots to any person or persons entitled thereto. All persons claiming to be owners or possessors of any portion of said entry will take due notice and make the application as provided in the statutes of Utah. W. M. EDDINGTON, Mayor. Morgan City, April 7, 1873. w10 3m

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## IN THE PROBATE COURT

In and for Salt Lake County, Territory of Utah,

Fannie Hutchinson, Plaintiff,

against

Hiram Hutchinson, Defendant.

The People of the Territory of Utah:

To Hiram Hutchinson, Defendant, Greeting:

You are hereby summoned to appear in an action brought against you by the above named Fannie Hutchinson, Plaintiff, in the Probate Court in and for the County of Salt Lake and Territory of Utah, and answer the complaint filed therein, within ten days (exclusive of the day of service) after the service on you of this Summons, if served within this county, and if not within this county but within the Third Judicial District of the Territory of Utah within twenty days; otherwise if within the Territory within forty days, or judgment will be taken against you by default, according to the prayer of said complaint. This action is brought to obtain a decree dissolving the bonds of matrimony existing between this plaintiff and you and for such other and further relief as may be proper and just.

In witness whereof, I hereunto set my hand and Seal of said Court, in Salt Lake City, this 6th day of May, A. D. 1873.

D. BOCKHOLT,  
Clerk of the Probate Court, Salt Lake City. w16 4

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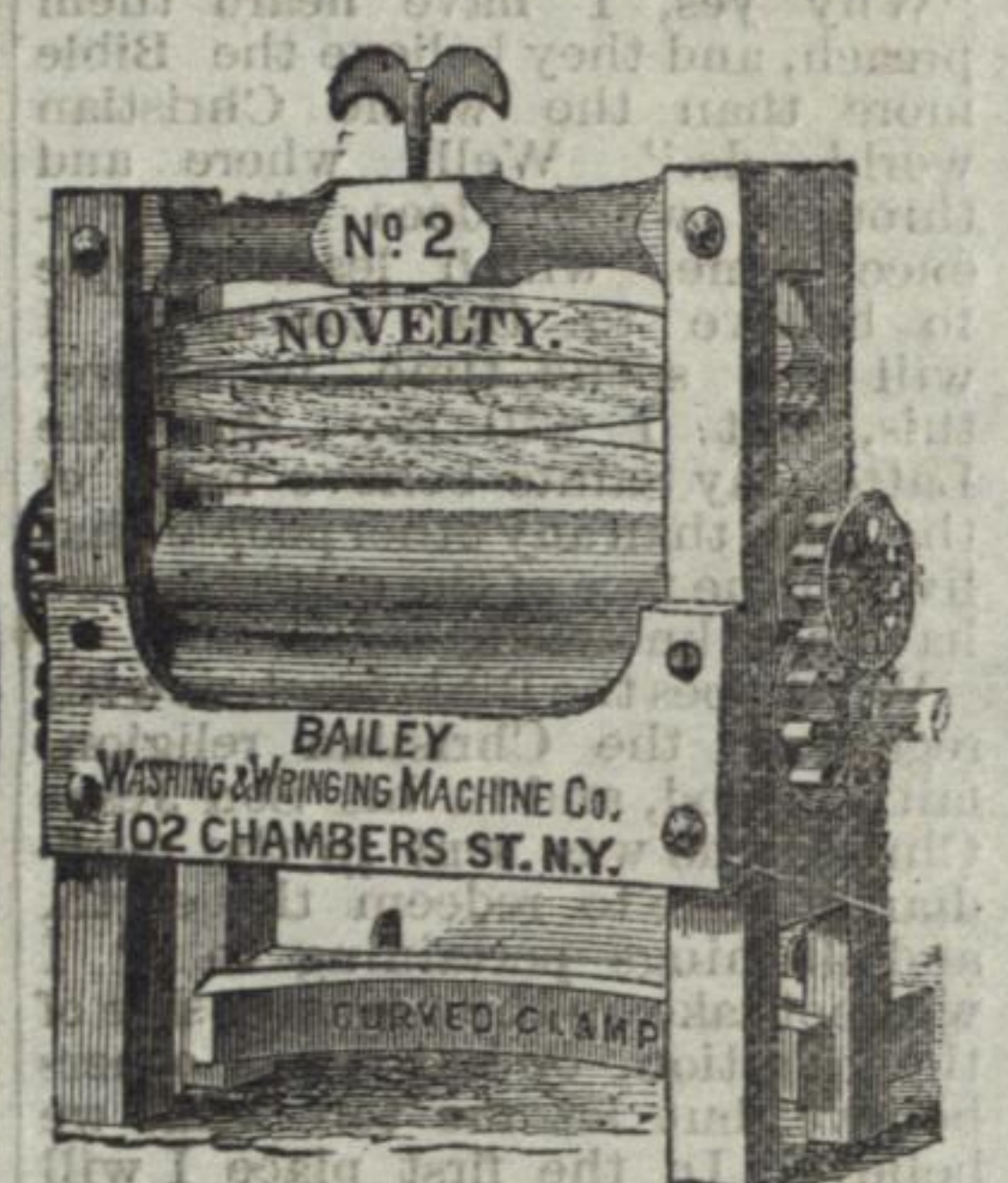
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