

Farm and Stock.

Subscribers are earnestly requested to send for publication in this department any facts not generally known, but of interest to stock raisers and farmers.

The Harvest for 1882. The Times has shown commendable enterprise in gathering reports of the condition and promise of the crops throughout the Union.

The sum of all is that the spring outlook for 1882 is almost uniformly hopeful. An abundant harvest is generally indicated.

Winter wheat will give an increased yield in nearly every State except Indiana, Ohio, New York and Pennsylvania. The frost has done both it and barley much injury in Indiana, but the loss will probably be partially or entirely made up by the gain in corn and oats.

In the grain States west of the Mississippi, however, a greatly increased yield of wheat is expected, and this flattering promise far more than offsets any falling off indicated in the States we have just named.

Everywhere better crops of corn are expected. An average crop of cotton is promised. Generally the sugar cane is in the most healthy condition.

As a whole, it will be seen that we are likely to have great crops this year, exceeding even those unparalleled ones gathered during the two years previous to 1881, when a drought such as occurs only once or twice in a generation parched the fields and brought so much of the labor of the farmer to naught.

SUGAR FROM SORGHUM.

A Letter from Professor Silliman.

RESULTS OF AN INVESTIGATION BY A COMMITTEE OF THE NATIONAL ACADEMY OF SCIENCES—PROFESSOR SILLIMAN, CHAIRMAN OF THAT COMMITTEE, IN AN OPEN LETTER TO DR. RICHARDSON OF NEW ORLEANS, STATES THE MAIN FACTS DISCOVERED.

Dr. T. G. Richardson, New Orleans, La. My Dear Friend:—It is with great regret that I have noticed in the telegrams from Louisiana, within a day or two, reports of the widespread injury, in some cases the destruction, of the sugar-cane over considerable areas in your State by the disastrous floods which have wrought ruin in so many ways in the valley of the Mississippi.

During the past three or four years the sugar-producing capacity of the Chinese sugarcane, so-called, and more familiarly known as sorghum, has been the subject of the most careful and painstaking experimental investigations at the Department of Agriculture in Washington, under the direction of Dr. Peter Collier, the chemist of that Department.

lished for some time, certainly not in season to be of use to your planters in this emergency, and I can without violating confidence communicate such data and conclusions important to the right understanding of this subject as may perhaps enable them to secure a crop this season, whenever there is land open to immediate use for the growth of sorghum.

To come right down to business, without circumlocution, I think I may safely say that your planters can secure a crop from the seed of say half a dozen sorts of sorghum, which will fully mature in periods from three months to six months from date of sowing, and which will produce from one to two hogheads of good "C" sugar, polarizing 98 per cent., and which cannot be told from the best Ribbon or other cane sugar of the same grade.

I will cite the "Early Amber Cane," which matures in ninety days, reaching the perfect condition in the latitude of Washington by the middle of September and maintaining a working period of two months, or until severe frosts. It makes fully 9 per cent. of "available sugar" (after deducting about 1 1/2 per cent. of glucose and 3 per cent. of solids non-sugar), and has produced over wide areas of the West 10 to 20 tons of canes per acre, yielding 140 gallons of juice per ton, and of well-grained sugars from 80 to 100 pounds per ton of stalks, and from 20 to 25 gallons of syrup of excellent quality, weighing from 11 to 14 pounds per gallon.

The "Early Orange" matures in about four months, say 117 days, from seed; it has an average exponent of sugar of 72 per cent.; or an average available cane sugar product of 92 per cent.; it is good here for about two thousand pounds per acre of excellent "C" sugar. The largest grain I have seen in any sugar, sorghum or cane, was made last year from this variety of sorghum by A. Folger, of Washington, Iowa, a sample of which is before me as I write.

There are half-a-dozen varieties of sorghum of from five to six months in maturing, which are substantially alike, requiring 150 to 170 days from the seed to full maturity, and giving in this latitude from twenty to sixty tons of cane per acre, but in your latitude and working periods, affording probably ninety days' working period. These are Honduras, Honey-Top, Sprangie-Top, Texas Cane, Mammoth, etc.

I will not weary you with too many details, of which the number held in reserve is very great. But I will add a few points of the greatest importance to be known as essential to success in obtaining cane sugar in your region. First—The plant should be fully ripe before rolling commences. Its ripe condition is known by the seed being fully hard and the upper leaves beginning to wilt.

Second—The canes should be rolled as soon after cutting as possible—all in the same day if possible. It is not important to reserve the leaves; by some evidence the mineral salt in the leaves appears to be an injury. But the top must be reserved, of course, as well to save the seed as to avoid injury to the juice.

Third—The juice shows by its density just what it is worth. It should run from 8 deg. to 12 deg. B, say from 1,000 to 1,000 specific gravity, averaging about 1,075 or 1,100 deg. B. And it should be handled without delay, as it is more prone than Cuba cane juice to chemical changes. But the same rules for acidity, the same treatment by lime and by sulphur will be found available as at present with your planters.

Diarrhea in Calves. This malady destroys thousands of calves annually. It depends on the weak constitution of the young animals and the inappropriate nature of the milk given them. The milk may be very good, but instead of the young creature being allowed to suck, it is made to drink large quantities of cold milk in some districts, sucking calves are attacked with the malady, but this depends on not being allowed to suck their own mother, or the cows being fed on improper food, and their milk becoming unfit for their calves to suck. The treatment is to give them a little chalk or wheat flour in milk, small doses of calomel, magnesia or carbonate of soda, particularly if there is any tendency to hives (bloating) the best remedy is the common rennet, a tablespoonful of which may be given after the calf has taken a little milk, aiding the natural action of the stomach.

The Wives of Legislators. It is true about many men here, especially men new to legislative power and responsibility, that they affect democratic views for themselves, but like their wives to have the reputation of being a little aristocratic and exclusive.

"There are women and women," says the French proverb, and there are many ladies found in office-social life here who fill their sphere royally and well; women whom it were a work of supererogation to pity a man for having to spend his life with even after the bloom and hey-day of their youth are gone. I could name many such from your own New England, and from our bigger and broader west.

Mrs. Keifer, wife of the Speaker, is notably shouldered with many household cares, a woman older than her husband, and she looks it, and wholly unused hitherto to Washington circles, many misgivings for her were indulged in when she came this winter to take up the heavy social burden incumbent on a Speaker's wife. But her excellent sense and spirit, her esprit de corps toward all the other members' wives, her native courtesy and kind sincerity, her tirelessness in fulfilling every social obligation, have made her name beloved almost with reverence.

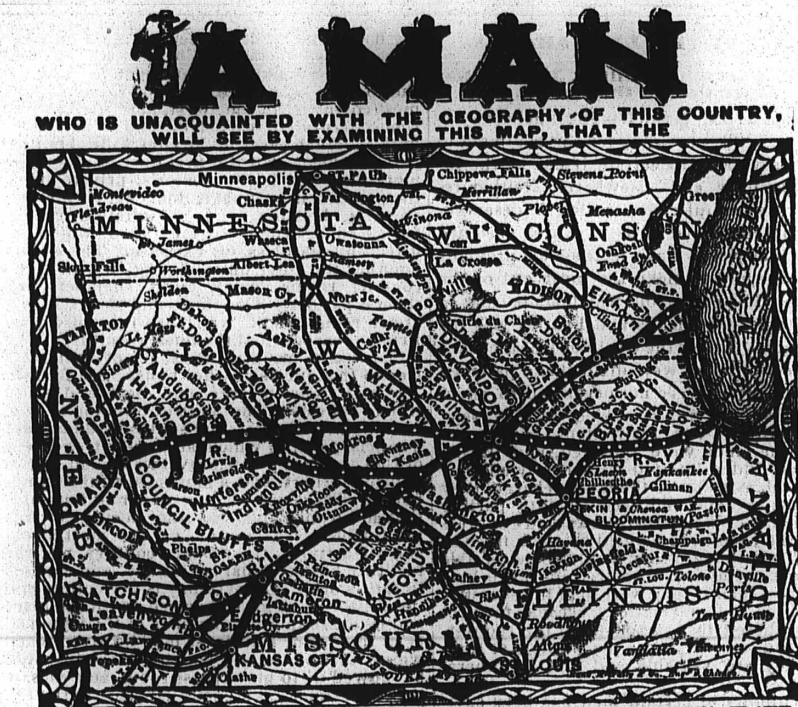
Dr. Frazier's Root Bitters. Frazier's Root Bitters are not a draw-shop whisky beverage, but are strictly medicinal in every sense.

For dizziness, rush of blood to the head, tending to apoplexy, dyspepsia, fever and ague, dropsy, pimples and blotches, scrofulous humors and sores, tetter and ring worm, white swelling, erysipelas, sore eyes, and for young men suffering from weakness or debility caused from imprudence, and to females in delicate health, Frazier's Root Bitters are especially recommended.

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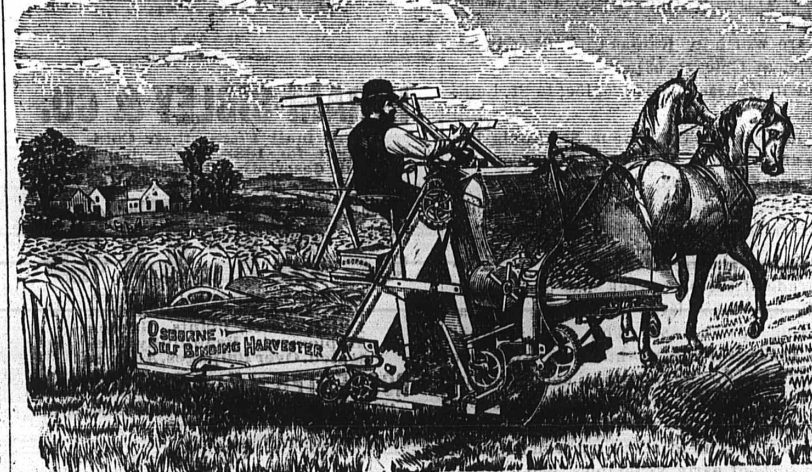
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PLANS OF THE LAND SHARKS.

Bills Concerning Indian Lands that Have Passed the Senate.

WASHINGTON, May 1.—The Senate has passed two bills providing for the allotment of lands in severalty to certain tribes in the Indian Territory and elsewhere.

The cupidty of certain men has been excited for some years by these rich farm and mineral districts. Legislation was sought and a bill was introduced in the Senate which so thinly veiled the designs of these land sharks that it was not pressed.

By this legislation the land is easily parcelled out in blocks of 200 acres. The fact that some of the members of the Indian Ring have been zealous to secure the passage of these bills ought to have suggested to the Senate that it would be well to be wary.

"By asking too much we may lose the little that we had before." Kidney Wort asks nothing but a fair trial. This given, it fears no loss of faith in its virtues.

THE LATEST MARKETS.

At Kansas City, No. 2 wheat is worth \$1.19; at St. Louis \$1.31; at Chicago \$1.35. Corn is worth in Kansas City 72c; in St. Louis 75c.

Lawrence Markets.

The trade of the past week has been quite brisk, though not so large in values as usual at this season of the year. The cool weather makes purchasers in no hurry to exchange heavy clothing for lighter ones.

The World's Epileptic Institute. While passing through St. Joseph, Mo., and having heard a great deal about the World's Epileptic Institute located here, I concluded to pay the celebrated institution a short visit.

For soldiers, widows, parents, children, pensioners now entitled to an increase. Bounty yet due thousands. Soldiers and heirs of 1812 and Mexican wars entitled to pension and land warrants.

ing house and bindery, occupying six or seven large rooms, and a score of presses are kept running night and day turning out work for the doctor. The office is one of the finest and most complete in the west, and he has the rooms decorated, carpeted, and trimmed up with as much care and luxury as his private office.

No More Gossip. If we are rightly informed, St. Jacobs Oil is now the usual tea-party topic in place of the former staple—free gossip.

Consumption Cured

An old physician, retired from active practice, having had placed in his hands by an East India Missionary the formula of a simple vegetable remedy for the speedy and permanent cure of CONSUMPTION,

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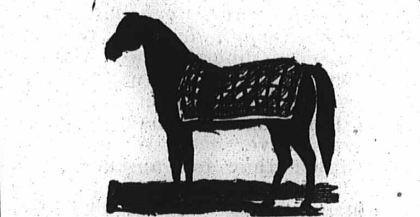
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1882 - Season of - 1882. ALMONT PILOT [Standard]. Bay stallion, 16 1-2 hands high; weighs 1,200 pounds; star, and near hind pastern white; foaled June 21, 1874; bred by Richard West, Georgetown, Kentucky.

Black colt 15 1-2 hands high; foaled May 16, 1878; sired by Almont Pilot.

First dam Corinne, by Andrew's Abdallah, son of Alexander's Abdallah. Second dam, Iodine, by Gilt's Vermont, by Downing's Vermont, by Hill's Black Hawk.

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