

#### CULTURE OF SORGHUM.

The growing of Chinese Sugar Cane in the be settled beyond a doubt that it can be profitconsequent high price of sugar is one incentive to this movement, and the people of the own sugar as well as cotton, and not be deshall have ended.

of the many who are constantly making in- the mill, as fast as it was made, at fifty cents situation, but especially is the shelter of a quiries concerning the best mode of culture, per gallon, and had no end of orders which grove desirable for early vegetables. publishes the following, obtained from Mr. manufacture:

land, and the expense of cultivating the two bushel, netting \$7.50 per acre." crops, aside from the cost of the seed, which is inconsiderable, is the same. A rather In regard to seed, it is of the utmost import- there be peace or war, they are so far away ance to have pure Chinese Sugar Cane. The Imphee, in his experience, is three weeks and is fatal to a good crop, there being little or no sweetness in the stalks. Sorghum may -the plants standing singly eighteen inches, to two feet apart, and the suckers allowed to grow. If planted in hills, five stalks are left He decidedly prefers planting in dril's, and profitable crop that can be produced, especially thinks that this has much to do with the good results of the crop. The seed should be planted as early as the ground can be precorn. The practice of a neighbor is to sow in an early seed bed, and transplant to the field, setting the plant two feet apart in rows, and the rows three and a-half to four feet apart. This man's syrup crystalized so amount of sweeting obtained was far less than readily that he was ob iged to make it all into it would have been, if, in all cases, unadultersugar, and was unable to take even a sample of his molasses to the county fair. It is the largest, best grown, and best matured stalks that yield the most and best syrup. Some juice yields seventeen per cent. of good thick syrup, and others only ten per cent.

to ripen, which may be known by the cane the open prairie, on the advantages accruing turning yellow upon the joints towards the buts, and by the blackness of the seed. At this period it should be "b'aded," or stripped premises: of its leaves, to faciltiate perfect ripening. To The first benefit to be derived from a grove ered the crust to the necessary extent with greatness, progress, unity and power, droops effect the "blading," take a hickory stick, on the prairie is a shelter from the cutting the rasp. one-and-a-half to two inches in diameter and winds which blow so keenly over the bleak | 2. Round off the edges of the crust with the paled, many of its stars stricken out. Prisons three feet long, slip on a ring, or bind it wintry waste of a prairie country. It is well rasp. Do this thoroughly and carefully. If strongly within fourteen inches of the end; known to all who have moved from the wooded a sharp edge be left, the crust will be liable split this end in the middle, and spread the hillsides of the Eastern and Middle States, to split off. split. This saves a great amount of labor- the open prairies of the West, even while the plete. There now remains to fit the shoe to a single blow usually blad ng a stalk, and thermometer marks a higher temperature. stand after this two weeks or more, unless the face of a Nor'wester, just come into the ground.

which operation is thus performed: Using a great interest, and they would plant trees, 6. Let there be five counter- unk nail holes corn knife, strike off about three feet of the only they think that the trees would be of no in each shoe-viz, three on the outside and top as it stands (the length to be cut off will benefit to them, or else they put it off in a dil- two on the inside. Make the anterior hole on vary somewhat, according to the size and a o y way till some more conv nient season, each side immediately posterior to the turnmaturity of the cane). Then cut the cane off which, in most cases, never arrives. Now, up. Let the second and third holes on the in- when used for conducting water for drinking about eight inches from the ground, or at there are trees that will thrive and grow on side be opposite to the second hole on the out- or culinary purposes, is highly deleterious to least above the first joint, and lay in piles or parie soil amazingly fast. I have seen a side. set up or laid in piles, and protected against as the oak and maple, would soon make a shoe must be as large as the full unrasped ton Belting Company. A specimen of this frost by covering them with the tops, or with beautiful grove, from which fencing and fire- crust, but no part must project beyond it. keep for months.

The mill used was Hedges, Free & Co.'s The third consideration that shou'd induce cover the line of the bars, and no more.

eggs.) After clarifying, the juice is boiled will, if given due prominence in a farm grove, either before or after turning down mixed with clay, it stands to settle, and after | themselves.

plays under an inclined pan, down which the the heat of the sun or to the cold winds, or juice is made to run, following a zig-zag both. In the warm days of spring the sun course, running faster or slower, according to pours his rays directly on them and starts the Northern and Western States is of late at- the inclination of the pan, or the rapidity at sap; next day a bitter northwest wind freezes which it is allowed to flow in or out. Water them up, bursts the sap vessels, and thus tracting much attention, and it is in contem- is placed in the evaporator to begin with, and blights and eventually kills the tree; whereas, apply to all cows alike, he adds - "I plation there to cultivate it the coming season in twenty to twenty-five minutes after the far more extensively than last, as it seems to juice begins to flow in at one end syrup begins to flow out at the other. By the exercise of a ably grown below 40° and even north of 43° little care, there is no danger of burning the syrup; but the care must be constant. A uniin favorable localities. The scarcety and form pro uct is most desirable. The syrup should not be too thick, for it will not flow readily from the barrels if it is so, and this great degree of concentration is not necessary | rived from a grove on early vegetation, let free States seem determined to produce their to prevent souring. The mill runs about sixty gallons an hour, and s'xly gallons is a charge prairie with those at the edge of some grove, pendent on importation, even after the war for the clarifier, and so about this quantity was worked at one time.

Mr. Van Meter made syrup for half the pro-The American Agricucturist, for the benefit duct, and found ready sale for his portion at

could not be filled.

One hundred gallons to the acre was about Van Meter, of Tazewell County, Ills., who has an average yield last year for land adjoining ations. The idea of being a benevolent man had considerable experience in its culture and corn which yielded fifty bushels to the acre. is one that will have considerable weight; he The Sorghum syrup, at fifty cents per gallon, half going to the boller, nets the farmer \$25; "The plant does well upon any gool corn while corn only sold for fifteen cents per

The people of Deseret are more interested light soil-sandy loan-other things being in the production of sweetning and cotton equal, produced juice of the greatest richness. than are the people of the east, for whether your he'p also, on those of your neighbors. from the cotton and cane growing States that later, and produces syrup of by no means so the importation of these indispensable ar- be, in a home which only contains the four sion, and it is alleged by some of the old good quality, and less in quantity. The ad- ticles wil ever be attended with a ruinous mixture of broom corn seed is not infrequent, expense. Much Sorghum was grown and no inconsiderable amount of molasses was made be planted in hills three and a-half feet apart last year in most of these valleys, but not with trees, make it a place of comfort, of rest, the people of the evils which have come upon each way, or in drills the same distance apart enough to supply the demand, and larger quan'ities, and greater breadths will be plant ed the coming spring than ever before, exin each, and the suckers thoroughly removed. periments having proven that it is the most office, they will be more likely to remain at that "the Republican party still lives." In on lands suitable for its culture.

pared, and is fit for its reception-earlier than either on a limited or extended scale, should be looking out in season for good seed; as much of that planted last season had been so mixed with the seed of broom corn, that the ated seed had been planted. nammannammer.

# Planting Trees.

A correspondent of the Washington Star The crop is treated like corn until it begins addresses the following to those who lived on from planting groves of forest trees on their

which wither the leaves, do no hurt. The second benefit is the timber for domes- practice that most horses take about the same been strangled in its birth!" When fully ripe, the cane should be cut, tic purposes. To many, this is a matter of degree of turn-up. lected, or fed to hogs or poultry on the ground. ing tre s, to shelter and induce a more thrifty preserved. The canes are taken directly to the mill, or growth in the slow growing hard woods, such | 8. Fit the stoe accurately on the foot. The Burney, Esq, and manufactured by the Bosin a few years in more abundance.

two horse mill-a g od one-consisting of the dweller on the prairie to plant trees, is 10. Slope off the heels of the shoe in the frozen for any length of time without injury three rollers thirteen inches long, the largest the benefit of the fruit to both man and beast. same direction as the heel of the crust so as to it, and it can only be destroyed by the diand upper one eight inches, the others four Among the nut-bearing trees indigenous to to prevent the possibility of the hind shoe rect application of fire. inches in diameter; both small rollers act most prairie countries are the walnuts-black catching in the heel of the fore shoe. against the large one. From eight to thirteen and white, and the shell-bark hickories; the 11. The shee must be continued comple'ely terials of which it is composed; indeed, it canes are kept passing through the mill at chestnut will grow in some situations, and I round towards the heels, as far as the crust could be eaten without in the least affecting once, and as the juice flows out it is conduct- doubt not, with proper care and shelter, it extends. ed to the "clarifier," being as liquid as water, will every where; and who will overlook the | 12. Twist off the clenches as short and nished at a remarkably low rate, and possessand of a dark grass-green color. (Imphee pleasure to be derived around the family stubby as possible, and lay them down flat ing so many desirable qualities, is certainly a juice is of a dark, muddy hue.) In the clari- hearth on a winter evening over a few butter- with the hammer; the pincers during this pipe that commends itself and must come into fying pan it is mixed with Root's patent nuts, walnuts or the estimable chestnut. Then time being firmly pressed against the head of very general use. - Scientific American.

and skimmed for fifteen minutes. From this fatten poultry, and feed growing swine as it is drawn off into the settling box, where, well as corn, while they may gather these pletely fill the nail holes.

Cook's evaporator is used, in which the fire country is the exposed situations either to inferior iron. had it been sheltered from both influences by other trees, they would have kept the fierce rays of the sun from it, and also the cold wind, protecting them from spring changes, summer heats, and the fruit from the early frosts of automn. We also know how hard it is to to convince any one of the benefit to be dehim compare the wild plants on the open where he will find them half hidden by old tables which grow much bet'er in a sheltered

> groves will be a great benefit to future generdoes not live entirely for self, but is willing, by farmers and others in this county. nay anxious to do something useful in the world; and one of the most useful is to start groves of beautiful and useful trees on the Heavy Charges against the Republican prairies of your neighborhood, directly, by your own hands, on your own farm; indirectly by your example and advice, and if necessary,

The sixth consideration is to add to the beauties, the pleasures, and the attractions of walls at right angles to each other, and on a line with some principal meridian, or correction line, nothing to shelter it from the driving winds nor scorching sun; but surround it and peace, and your children and dependents will feel the blessed influence, and instead of fleeing to the city to find employment behind the merchant's counter, or in the lawver's turist, which is the most virtuous, as well as that on which all others depend, on which the Those intending to engage in the business, prospecity of the whole country is mainly LAMBDA.

## Shoeing Horses.

The following ex'ract is from Col. Fitzwygram's "Notes on Shoeing Horses:"

To shoe horses with ordinary feet, I would suggest to the shorthe following directions:

1. With your drawing-knife, lower the growth of horn at the toe than at either the heels or quarters. More, therefore, will reparts; in other words, shorten the toe. Be

the foot.

thus removed are considered equal to corn tirely unbroken from the icy summits of the (3:4-inch) of even width all round, except at fighting men; the family circle torn assunder fodder, not having been touched by the frost, Rocky Mountains Now, let a person who the heel (see direction No. 9, below) flat to- in hostile groups; free speech restrained; a and are easily cured. The bladed stalks is traveling over the prairie in the winter in wards the sole, and concave towards the free press hampered; the writ of habeas cor-

on the wagon. There will usually be suckers cottonwood set out about two feet high, grow | 7. Let the nail holes be punched coarse, It has therefore been for years a desideraerough to bind the cane in bundles if it is de- in three years to be from 16 to 20 feet high, i.e., in the center of the web, and brought out tum with scientific men to procure an artic e sirable, or if it is to hauled far. After the and from three to five inches in diameter at in the center on the other side. This can be which should obviate this difficulty. One of removal of the s'alks, the seed may be col- the ground. Now, a few of such fast grow- done with safety when a good crust has been the best, and a successful invention for this

"clarifyers," (a mixture of lime, soda and the acorns and the nuts of the bitter hickories the nail. The clenches are not to be filled

13. The nails must fit exactly into, and com-

The horse is now shod. Do nothing more for fifteen or twenty minutes, may be drawn off The fourth consideration is to screen an what you may fancy appearances. The best clear and limpid, into a convenient vessel, orchard and garden from the wind and sun. iron only should be used. Good iron makes a whence it is pumped up into the evaporator. The great trouble in raising fruit trees in this lighter shoe wear as long as a heavier one of

> How Long Should Cows go Dry?-In answer to this question, a correspondent of the Obio Furmer furnishes the following sensible suggest ons. After saying that no rule could have found that cows inclined to take on fat could be milked up to two weeks before calving, and have cow and calf healthy and plump; and cows that could not be fat ened while milking require from four to six werks of rest from milk-giving previous to calving, raise early vegetables in an exposed situation; otherwise the calf was small and not well formed, and the following year's supply of milk was lessened."

> Another Large Porker .- Mr. William F. leaves, growing finely, while the others are Maylett of Manti, says a correspondent, hardly started. There are also many vege- has recently killed a hog eighteen months old, which weighed six hundred pounds, and asks somewhat exulting'y if Great Sa't Lake The fifth consideration is - that these can beat it, to which we reply that if not this season it is expected to do so next, as great improvements in such matters are being made

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Since the commencement of the war, old party lines have been measurably obliterated in the North-Democrats as well as Republihome. What attractions is there, can there cans supporting the war to put down seces-Democratic journals that the leaders and presses of the dominant party labor to ignore the word "Republican" lest it should remind them under the management of the leaders of the party bearing that name, but they admit that oceasionally a sound Republican boas s home and follow the business of an agricul- commenting upon this declaration, the Milwaukee News remarks:

"Yes, it lives-but we have civil war, a broken Union, an enormous Public debt, a direct tax, an oppressive tariff, an empty treasury and a deserted Capital. The grave of Washington is in a hostile land. Half a million men in arms maintain the President in his seat. A thousand battle-fields drink the blood of our coun ry's children. The deep trenches are fi led up with the bodies of our fair sons. The nation awakes each day to the boom of hostile guns. The glittering baground surface of the crust, as much as may yonets of regiments of men are passing along be represented by a month's growth. Remem- the s reets to the murderous work of the batber that there is generally a far more rapid | the-field. The people rise in the merning and lie down ot night, amid scenes of mortal strife. The newspaper columns throng with sickenquire to be taken off the toe than off o her ing details of murder and death. - The old gorgeous banner of the Union, with its cheercareful to make the heels level. Having low- ful blazonry, once the radient emblem of amid the smoke of the conflict-its glory full, grain fields barren, home in mourning, hu-bandmen turned soldiers; the plough idle in the furrow; great ships rotting at the ends two inches apart, by a wedge in the bow much harder to endure the winters are on 3. The preparation of the foot is now com- | wharves of our cities; grass growing in places where busy feet were wont to tread; the avenues of trade locked up; the voice of huoften more than one, perfectly. The blades This is caused by the wind, which comes en- 4. Let the shoe be made with a narrow web manity st fled in the deadly work of pus suspended; a military law existing, and danger of frost makes it necessary to cut shelter of a few bushes, it may be they are 5. Turn up the toe of the shoe nearly from its permanent establishment threatened, prethem sooner. Freezing is ruinous to the cane, leafless, but as soon as he passes them, he is quarter to quarte giving a peculiar flavor to the syrup, and caus- made aware of the benefit of even a poor shel- The degree to which the toe is to be turned its full fruition! All this the bitter fruit of ing fermentation in the cane itself, unless ter, and can appreciate the com ort a person up is to be regula ed by what you find neces- Republicanism tot yet dead. For the sake of pressed immediately. It must, therefore, be would take in doing his chores in the shelter sary in each horse to make the wear of the the country, people, the world, and for the cut before any hard frosts-those light frosts, of a grove in a stinging cold day in winter. | shoe nearly even all over. You will find in | cause of liberty and union, would that it had

## A Substitute for Lead Pipe.

It is a we'l subs'antiated fact that lead pipe, health.

purpose, is an article patented by Charles Mc-| pipe, that was been in cons'ant use and buried hay or straw, -in which condition they will wood could be got in limited quantities, and 9. In fitting the shoe, the web is to be nar- under ground for three years shows no symprowed at the heels so that its inside edge may tom of decay. Extreme degrees of heat and cold do not effect it; Water may remain in it

> There is nothing injurious in any of the mathe system. It is made of any size, and fur-