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TO MAKE SYRUP FROM CHINESE SUGAR CANE.

W. Tooney, Esq., of Enfaula, communicates the following interesting and instructive article to the Southern Cultivator :

The Manufacture of Sorgho or Confederate Syrup .- My directions are for farmers and planters who have net, cannot, and would not, get the elaboratejapparatus of a sugar house ; but there are essential fixtures, &c., which must be had, to wit: a mill, b-ilers, a bailing dipper of wood of five gallon capacity, with a long handle, a common dipper, and perforated ladles or skim- juice. mers.

The Mull-Get one mill for fifty acres, and two for a hundred acres or more ; the size, 18 inches in diameter, and 24 long, tical agricultural chemists in Georgia. He for the cylinders. They should be cast says deliberately-" Lime answers no useiren ; the foundries make them to order.

The Boilers .- They should be proportioned in size and number to the size of naturally in the cane. Line darkens the the crop; say one for twenty acres, two or color, and to my taste, detracts from the three for fifty acres, and five or six for one grateful flavor of the syrup." I regret to raise a half dozen sheep. hundred acres, more or less. As many as that Dr. Battey did not go farther and give five or six can be put in one battery, and the reason why lime does not clarify. I operated by one furnace, running under have already suggested the specific graviall.

The capacily of the boilers can be greatly increased by fastening a wooden rim eight or ten inches high around their tops. The orick work of the furnace should not line solution is the next best to that of soreach higher on the inside than midway of da, and apply it in the same way. the boilers, otherwise the syrup will be burnt by the fire.

The cane should not be cut until ripe, of a purplish black, and the stalk streaked juice, then boil down to the syrup point. with red on a yellowish ground. It is well to know and recollect that the canes, if ieft standing on the land where they grow, with all their leaves or fodder on not enough. As a general guide, you have them, will keep good until the crop is man- to go by eye sight, and as but a few in the afactured, if you will barely cut off all the South ever paid any attention to it heretotipe seed. If you pull the fodder the canes fore, I will give certain general rules which will dry up, it being the mouth and lungs of the plants. you grind your case. Cut the stalks close average one gallon of syrup. to the ground with sharp hors, and haul them to the mill with the seed on, with a duced to about one-fifth of, its original small crop, but cut seed off in the field if a large one, dry the panicles in the sun one day and house. The seed will equal or it in the air. exceed corn on the same land, and containing by chemical analysis 66 per cent. of starch, is about two-thirds the value of syrup, being reduced to about one-fifth its corn or rye for feeding stock, or, " horres: original juice, throws up jets some six co referens," for making whilsky, and will inches high; this latter is the water escapcommand one dollar per bushel in the market.

matter, which the alkali takes hold of by | came in bad weather and died, and he had | fervor of his piety, or remitted his Chrisother alkalies.

printer that a print geal and and a second

purifying agency. The lime will readily unite with and neutralize the phosphoric and sulphuric acids, but are not compounds, the sulphate of lime, or plaster of Paris, being one, too heavy to elevate the green, woody matter to the surface ? I think so, and for this reason, unless you wish to eat plaster of Paris, in mechanical solution in your syrup, do not use lime in your cane

I am fortified in these views, against the use of lime to clarity and purity syrup, by Dr. Robert Battey, one of the ablest pracsave to neutralize the free acid which exists admirably with one dollar bacon. ty, as a base; as being too heavy, as the reason.

If soda cannot be had, have ready strong ley from green hickory ashes. This sika-

Alter the juice is both neutralized of its free acids and purified of its fecula, which may be seen and known by the cessation of which may be known by the seed becoming effervescence and the transparency of the

In the absence of instruments, which cannot now be had, be sure you boil enough. It is safer to err by boiling too much than

the attraction of its acids, and brings to the given up his efforts to raise them. Since tian duties. surface as scum. These constant skim- the war commenced, he has gone to raising mings will soon give you a clear juice, ca- sheep, and with perfect success. Now, he pable of making a clear, thick- acidless says he has his sheep looked after and carsyrup. This use of soda I discovered in ed for ; and in colderainy weather has them 1857 by experimenting, and experience has sheltered in his gin house lot. At night, fully confirmed its superiority over all they are all brought up and penned. In the summer season they grow fat on briars, The Louisiana and West Indian sugar broom sedge, &c. Last fall he had his peas planters use lime to purify the juice. It and pea vines carefully gathered and with him to be greatly beloved by the common will neutralize the acids, but I doubt its these has kept his sheep fat all the winter. Since giving his sheep this little attention, had labored, in prayer meetings, in temthey have rapidly increased. The dogs of perance meetings, and in every christian

and yield him shandsome income. We have no doubt but thousands of farmers with similar efforts would be crowned with abundant success. Sheep are very prolific, easily raised, and could soon furnish the whole country with wool that is now much needed, if the farmers would "are always neglecting to do the things that only do their duty. Come, gentlemen, can be done because they are small, but give this matter your proper attention, so that our soldiers and our children can have plenty of warm woollen clothing. And ful purpose so far as syrup is concerned, then a nice piece of fat mutton will mix

One word more ; a worthless dog that is of no use will eat more than it would cost

Southern Confederacy.

BEECHER ON "STONEWALL" JACKSON.

The following from a late number of the N. York Independent is supposed to be from the pen of Henry . Ward Beecher.

"A brave and honest foe has fallen! Thomas Jefferson Jackson has died of wounds received in the confusion of the genius." battle of Chancellorsville at the hands of his own men! There is not left another man in the South to take his place, and Richmond papers scarcely exaggerate when they say that the Confederacy could better handling an army.

saw dealt. It is certain that no other man was not presented. The Gathering of the Canes .- Pall the one fifth of the original quantity of juice, has impressed the imagination of our sol- It seems to me that any one accustomed withdrawn them. But in two years he has and repugnant to its provisions. made his name familiar in every civilized resource and energy.

"We know that before every important move he spent much time in prayer. He had so put his soul in the keeping of his Master that he was relieved from all thought. of self, and had the whole power of his life ready for his work. Officers of Fremont's army who pursued him in his famous retreat from the Shenandoah Valley, found people, among whom, in former times, he his neighbors do not bother them. His word and work. No wonder he fought lambs and old sheep don't die, but thrive well along a region whose topegraphy he had mapped down with prayers, exhorta-tions and Christian labor.

"He was unselfish. He fought neither for reputation now, nor for future personal advancement. He therefore did net fall into the ruinous habits of our generals, who squander time and men and patience in getting ready for great battles, which elude them or defeat them. He incessantly struck on the right and on the left, and kept alive the fire in the hearts of the illclad, poorly fed and overworked men by the excitement of enterprise and the constant relish of victories, small in detail, but whose sum was all important.

"Let no man suppose that the North will triumph over a fallen son with insulting gratulations! Nowhere else will the name of Jackson be more honored. Not for the adhesion to the cause of slavery, but for his untarnished personal character, for his devout piety, and for his military

From the Daily Progress. HABEAS CORPUS.

(IN THE MATTER OF MABONET.) The facts of this case bring it within the have lost fifty thousand men. Good in decision in "the matter of Irvin." That counsel, his peculiar excellence was in the decision is put on the ground that the Confield. We know of no man on either side scription Act of September, 1862, does not that surpassed him, if any equalled, in embrace substitutes. And so the questions growing out of the regulations prescribed "We are in some respects better judges by the War Department, "where a subof his military talents than Southern men, stitute becomes subject to military service. since we felt the blows which they only the exemption of the principal shall expire," diers and the whole community so much as to judicial investigation cannot read the he. An unknown name at the beginning act and fail to come to the conclusion that of the war, save to his brother officers, and it does not embrace volunteers and substiquantity, will hang in flakes on the rim of ington, Virginia, his footsteps were earli- the war; a different construction is excludest in the field from which now death has ed by the words used, and is inconsistent The President is authorized " to call out land on the globe as a general of rare skill, and place in military service all white men, &c." The words " call out" and " place in " No other general of the South could military service" are not applicable to men develop so much power out of the slender who are already in the military service for and precarious means, by the fervid inspi- the war; no legislation was necessary to ration of his own mind, as Jackson. He make soldiers of them. If only a part is had absolute control of his men, seeming called for provision, is made for taking almost to fascinate them. He drove them "those who are between the age of 35 and through marches long and difficult, without any other age less than 45," can this be resources, feeding them as best he could ; applicable to volunteers and substitutes : he delivered battles as a thunder cloud It is further provided that "those called discharges bolts, and, if the fortunes of out under this act, and the act to which it war were against him, then, with even is an amendment, shall be first and immemore remarkable skill than in advancing, diately ordered to fill to their maximum, he held his men together in retreat, and number the companies, battalions, &c., with extraordinary address and courage, from the respective States, &c., the sureluded pursuit, sometimes fighting, some- plus, &c. This supposes that the voluntimes flering, till he brought off his forces | teers and substitutes composing the compasafely. Then, almost before the dust was nies are to remain in the field, and the corn, its seed is equal to two-thirds of corn. laid upon the warpath, his face was again companies and battalions are to be filled towards his enemies, and he was ready for up by these who are ordered into service his work. He had no doubts nor parleyings Again, how can the regulation that all within himself. He put the whole force of conscripts are to be sent to camps of inhis being in his blows for the worst cause struction be applicable to volunteers and man ever fought for, as few of our generals substitutes? Are they to be taken from have ever learned to do for the best cause the army and sent to camps of instruction ? abroad and the high prices for wool, we for which trumpet ever sounded. Hence- Certainly not, because they are not called The process will neutralize the sulphur- are pleased to learn is producing the de- forth we know him no more after the flesh. out and placed in the military service un-

The juice as pressed out by the mill tubs, and when coal barrel it. should run through cloths fastened over the receiving tubs to clear it of all trash.

To Clarify the Juice .- Put the juice in the largest boiler, nearly filling it, and start a gentle fire under it, and put the juice to simmering-not boiling-and keep mosphere will certainly, as it has done, it so about thirty minutes, until clarified. acidily it, as it thus has so much surface to This is to be effected by administering act on. some alkali in solution.

The best alkali for this purpose is the super carbonate of soda. Put one heaping (daspoonful in a pint of water, dissolve it, and pour it into the boiler of simmering over the surface of the jusce. Skim this corn. off, and repeat the process every few minutes, for about thirty minutes, more or less ; but stop it as soon as, but not before, ali effer rescence ceases.

the Chinese sugar cane juice; and the su-per carbonate of soda is the purest and best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-best alkali for this purpose, as sodium, the farmer from Middle Georgia, who has re-farmer fr

should be observed.

1. Boil down until the syrup is about folder as you do corn fodder, each day as for it is true that five gallons of juice will

2. Buil down until the syrup, being rethe dipper as you pour it out and suspend

3. Buil down until all water is expelled. This may be seen and known when the ing as steam; continue to boil until these jets cease, then strike off your syrup into

The Barrels .- Put up your syrup in cy press barrels ; white oak barrels will not hold syrup. Several large planters put "p their syrup in poplar troughs. These will hold the syrup, but the oxygen of the at-

In conclusion : the Chinese sugar millet is an industrial plant of great utility to the South in these our times of trial, blockade and war. Its todder is equal to that of jurce, stir it up, and a violent effervescence and its syrup nearly equal to that of sugar okes place, cising four inches high, and fi, house molasses, yielding as many gallons hally setting in a thick greenish scum all of syrup per acre as the lands can pecks of

RAISE SHEEP.

The difficulty of procuring goods from ic and phosphoric acids which abound in sired effect in inducing the people to raise He is no longer a foe. We think of him der the Conscription Acts, but are bound

renewed conflict. His whole soul was in under the Conscript Act.

The pressure of the mill forces out with Before the war his neighbor's dogs killed He never, in all the occupations of the made for the discharge of all volunteers for the juice' a great deal of green feculous his grown sheep, and his lambs always camp, or temptations of campaigns, lost the the war who were over the age of 35; and

base of the peroxyd, is lighter than water. cently turned his attention to this matter. Church, of which he was a roling elder. scription Act of April, a regulation was