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HOW TO CULTIVATE TOBACCO.

Messrs. J. Stout and A. O. Peden, of Alamo, who grew a considerable quantity of tobacco last season with success, have con- sun and weather. This arrests the tendency attractions are thrown around farm life, and childhood, defy the just of years, and outlive tributed the following article to the Contra Costa Gazette:

SOWING THE SEED.

Select a piece of light, loamy soil, burn it well, rake off the ashes, and then dig up three inches deep. It should be pulverized fine, and all trash raked off. When ready to sow, mix the seed with dry ashes-mix it well-one heaped table spoo full of seed to a milkpan of ashes. Sow that quantity on a bed one rod square, and tramp the bed after sowing. That is all that is required to be done. Sow about the first of January. If the plants do not grow fast, and the ground becomes dry, water should be sprinkled on the plant bed every evening.

SETTING OUT THE PLANTS.

in April, and be finished about the middle of flat pan, with an inclined side, upon an arch, disease will succumb to this treatment in the man. May, if possible, but it will make tobacco if for first heating and skimming the juice, and course of four or five days. In the case of wet out as late as the middle of June. We did then running it upon a Cook evaporator. not finish until the 20th of June, but the also tried skimming upon the evapora or, and tobacco was very light. We find that the running the syrup into a separate boiler in he put the same proportions of vinegar and dor c asts is confirmed, those engaged in the earliest plants make the best articles of tabac- which I had placed a thermometer, in order to water, and then, placing the trough against a fishery having scarcely secured fifteen quinco. The ground should be well cultivated bring the syrup up to a particular degree of wall, he put a hurdle on one side, and made tals each, instead of the customary catch of before setting out, as there is more likelihood heat, and I have tried the evaporator without the animals wade through it. A cure was two hundred quintals per man. The herring of the plants living. It should be laid off very any of these aids. In the first mode the syrup shallow, as deep furrows will cause the crystalized in forty-eight hours; in the second ground to dry out. We laid off w th a rail mode I could not make sugar at all, and in with pins in it three feet apart., and that the last mode the syrup crystalized in twentydistance is enough. We did not water or four hours. Frequently the syrup left in the cover our plants after they were set out, as cooler at night would crystalize by the next we found by experiment that water was in- morning. jurious. In connection with the evaporator I used

HARVESTING SORGHUM AND EVAPO- the coming season. These plans pertain to all the departments of husbandry, and are RATION.

the following suggestions and directions in regard to harvesting Sorghum, the best method from "running out:"

days. or longer, if the weather is cold, allows stead.

time for the culmination of the juice to its greatest per cent. of sugar. If the cane is worked up as fast as cuts but if the juice is allowed to "season." In securing this matution lies one of the great fundamental means of success in the manufacture of sugar, from any variety of cane, and is difficult of attain- the feet of the animal. He himself h d had ment, especially in the Imphee, owing to the 50 head of cattle down at one time, but now disposition in the canes not to ripen together. After topping and blading the stalks we are ready for manufacturing.

In manufacturing Fhave tried various modes This should commence about the last week of evaporating. Last Fall I constructed a

eagerly participated in by the female part of The fireside is a seminary of infinite impor-A correspondent of the Prairie Farmer gives the household. It is cheering to see the tance. It is important because it is universal, progress of floriculture, and to notice how the and because the education it bestows, being flower-borders gains upon other portions of woven in with the woof of childhood, gives the garden as the younger members of the form and color to the whole texture of life. of evaporating, and how to prevent the cane family come upon the stage. The agr cultu- There are few who can receive the honors of ral matter that is now sown broadcast over a college, but all are graduates of the hearth. the land through the columns of the religious The learning of the university may fade from When the head is black, cut up the cane, tie and political, as well as agricultural journals, the recollection; its classic lore may moulder in small bundles and shock it under a shed. is bearing fruit. There is a change for the in the halls of memory. But the simple les-It should by all means be protected from the better c ming over the rural districts. New sons of home, enameled upon the heart of to fermentation and second growth. Permit- many more of the sons and daughters of farm- the more mature but less vivid pictures of ting it to stand in this way for two or three ers will be induced to abide by the old home- after days. So deep, so lasting, indeed, are

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fully ripe, which may be known by the lower given in connection with the annual inspec- hood, while all the wide space between that joints becoming quite yellow, it may be tion of Lady Emily Foley's Stoke Edith es- and the present hour is a blasted and forgottates, on Thursday last, Mr. M'Cann called ten waste. You have perchance seen an old not perfectly matured the cane should be attention to the disease among cattle in the and half obliterated portrait, and in the atneighborhoo', and described the means which tempt to have it cleaned and restored, you rity of the juice and preventing reacidula- he had successfully adopted. He said as soon may have seen it fade away, while a bri hter as the disease made its appearance, it would be dealt with, so that it might not get into revealed to view. This portrait, first drawn they were reduced to two or three. The feet should be well cleaned, and then bathed with a lotion composed of equal quantities of water and vinegar, with a small quantity of salt | Such is the fireside-the great institution fu put on with a piece of rag or sponge. The nished by Providence for the education of

THE GREAT SEMINARY.

the impressions of earthly life, that you often see a man in the imbecility of age holding FOOT DISEASE IN CATTLE .- At the dinner fresh in his recollection the even's of childand more perfect picture, painted beneath, is upon the canvas, is no inapt-illustration of youth; and though it may be concealed by some after design, still the original tints will shine through the outward picture, giving it tone while fresh, and surviving it in decay.

I pigs, Mr. M'Cann says he got three pieces of THE FISHERIES A FAILURE .- The exfishery has this year proved a total failure at Labrador, scarcely a barrel having been taken from one end of the coast to the other. It is unfortunate that the herring fishery should have this season resulted in entire failure in Newfoundland also. The catch of herring has been very limited on the Nova Scotia coast. One striking peculiarity in the cod fishery, for the present season, on the coast of Labrador, is the wonderfully impoverished condition of the fish caught and cured. One lot, comprising three hundred quintals, had only yielded fifteen gallons of cod oil. The indifferent quality of these fish will easily be understood, when it is remembered that, as a general rule, a quintal is expected to yield half a gallon of oil. So that, under ordinary circumstances, the three hundred quinta's ought to have produced one hundred and fifty gallons, instead of fifteen, thus leaving the fisherman minus a most important item in the economy of his business .-

PRIMING.

by a fi e, night and day, and the molasses Priming, or taking off the bottom ieaves, is was poured into these and stirred once a day, the first thing that has to be done to tobacco. or until the process of crystal zation was We took off six or eight leaves, being governed complete. I then put it into a draining vessel, by the kind of tobacco. We have six variewith a seive bottom, for drainage, but during ties: Virginia Gold Leaf, Cuba Brittle Stem, the latter part of the Fall I learned a better Havana Broad Leaf, Havana Short Leaf, Maryland Straight, and Ladies Finger, all plan of drainage, which was to put the rigar tobacco, except the Virginia and Mary- chrystalized mass into a strong linen bag and subject the whole to pressure. With a good land.

TOPPING.

We find for chewing tobacco, that ten ciently dry for market. leaves are enough to leave on a plant, and I have found that the books have set the old publication: twelve or fourteen on cigar tobacco, at the scale to which the temperature of the syrup first topping, and two less every time it is should be raised, altogether too high. A gone over, say once a week. In both topping | temperature of 240 degrees by the thermomeand suckering, the bud should be taken out as tor, makes a perfect taffy of the synup. I will take from ten to twelve solid yards per soon as possible, so as to throw all the sap would not make my syrup thicker thin about ton. into the leaves that are left on the stalk. eleven or eleven and a half pounds to the Great care should be taken not to bruise or gallon.

tear the leaves, as it injures them very much. All the farmers with whom I have come in There is a way to top tobacco without count- contact speak of the cane as running out, and ing every leaf, which is a great saving of much of the cane I have worked speaks the time, and this is of some importance when fact as loudly as the farmers. I think this is help has to be hired. The way is, first as- owing in a great measure to hybridisstion, certain where the bottom leaf is, and the ninth and could a pure article of seed be obtained, with reference to families. The voices of leaf will be found exactly perpendicular arove and the crop be kept free from contamination it, and the next of course is the tenth. The with broom corn I should apprehend no mistaken. All the canidæ bark and howl. suckers should be kept as close, as, if allowed danger. In proof of this we have the fact The fox, the wolf, the dog, have the same to grow to a great length, they will injure the that in Southeastern Pennsylvania and New Jersey, they have since the first year raised WORMES. The cut worm bothered us after the plant ever they had. So lo g as we mature the got start d in the field. They will destroy one seed there is no more reason why it should mian, from our quite fireside companions to

board, of which he made a trough, into which treme y short catch of codfish upon the Labraeffected in three days.- [Bell's Messenger.

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THE PREPARATION OF FLAX .- A COITESp ndent of the Montreal Herald mentions a discovery in the mode of preparing flax, which is equally applicable to the Northern and elevated p rtions of the United States. He observes :- It has been discovered that in shallow coolers, which I kept in a warm room, the m I s with very little trouble or expense, by a mode which answers as well as steeping, and that is, to spread the flax on a meadow in December, and allow it to remain on the ground till April. The snow rots it effectually. and when the snow g es off in April, you will find your flax clean and dry, ready for carting to the south mill, without any expense worth mentioning.

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MEASURING HAY .- An old faimer communicates to a cotemporary the following method of measuring hay, which he copied from an

Multiply the length, breadth and height [Exchange. into each other, and if the hay is somewhat settled, ten solid yards make a ton. Clover

VOICES OF ANIMALS.

There is a chapter in the natural history of animals that has hardly been touched upon as yet, and that will be specially interesting animals have a family character not to be kind of utterance, though on a somewhat different pitch. All the bears growl, from their own seed, and have as good cane now as the white bear of the Arctic snows to the river during the year were taken up in one small black bear of the Andes. All the cats the lions and tigers and panther of the jungle. This last may seem a strange assertion; but to any one who has listened critically to their sounds and analyzed their voices, the roar of a lion is but a gigantic miau, bearing about he same proportion to that of a cat as its ger or rage, without being reminded of a cat? And there is not merely the resemblance of one carniverous animal to another; for no one example the webfooted family. Do not all

THE OCEAN AND THE FALL OF RAIN .-The Atlantic Ocean includes an area of 25,-000,000 square miles. Suppose an inch of rain to fall upon only one-fifth of this vast expanse, it would weigh 360,000,000 tons; and all the salt which, when the water was taken up as a vapor, was left behind to disturb the equilibrium, weighed 16,000,000 more tons, or nearly, twice as much as all the ships in the world could carry at a cargo each. It might fall in a day, but occupy what time it might in falling this rain is calculated to exert so much fo ce-which is inconceivably greatin disturbing the equilibrium of the ocean. If all the water discharged by the Mississippi m ghty purpose and cast into the ocean at an effort, it would not make a greater disturbance in the equilibrium of the sea than the fall of rain supposed. And yet so genile are the operations of nature that movements so vast are unperceived. FRUIT AS MEDICINE -Ripe fruit is the medicine of nature; nothing can be more wholesome for man or child, though green fruit is, of course, rank poison. Strawberries are favorites with all classes and consiitute a popular luxary. Who can tell the number of disordered livers and digestive apparatuses generally restored by that fruit? After them we do homage especially to peaches, and apples, and grapes. We once knew a person, health that commenced the habit of drinking a glass of plain cider every morning, and never had a day's illness in 25 years thereafter. Such remedies are simple enough .-S.ientific American.

plants.

or more plants if not killed. The next is what is run out than wheat or corn.

called the bud worm, which makes its appearance in the top of the plant. When first seen it is very small. The tobacco worm made its appearance when the crop was about half grown, but did much damage. The grasshopper is very fond of tobacco, and when nume ous, they would damage it, as they are very hard to kill.

HARVESTING AND CURING.

round-pointed shook-knives, split the stalk that has been more beneficted by the investifrom the top to within four inches of the bot- gations and discoveries of science. The oldtom leaf, where it should be cut off. Let it lie style farm house, with its broad mouth firein the field until wilted, so that the leaves will place, its pine table, bench, wooden bottom was ever reminded of a dog or wolf by a lion. to eat from four to six ripe apples a day, and not break off the stalk; then haul it to the chairs with high backs, is superseded in many | Again, all the houses and donkeys neigh, for barn on a sled, as it will bruise on a wagon. parts of the country, and well, built, substan- the bray of a donkey is only a barsher neigh, We know of another who was in general ill When at the barn it should be hung as soon tial houses in modern style have takin their pitched on a different key, it is true, but a as possible on small poles or sticks, these places. The old kitchen which formerly sound of the same character, as the donkey hung on tier poles near together, say six inches served almost all purposes except that of is but a clumsy and dwarfish horse. All cows apart.

We run ours up to where it now hangs in furnished parlor and dining room, and by a musk ox of the Arctic ice-fie ds, or the jack the barn after it was bung on sticks, and let kitchen that boasts more comforts than the of Asia, to the cattle feeding in our past res. it yellow there. We find that the dry north whole of the old house afforded .- The cooking Among the birds this similarity of voice in wind will cure tobacco up green, bafore it can apparatus is c mplete, from gridi on to tea- families is still more marked. We need only **MATCHES!** yellow, if exposed to i. That is one thing kettle and the various processes of the culi- recall the harsh and noisy parrots, so similar that will prevent yellowing in the field. The nary are now conventently done and regulated in their peculiar utterances. Or take as an DICHARD MARTIN continues to make his FIRST barn should be very tight, so as to prevent the by the clock that ticks on the mantel-piece. I PRIZE MATURES, opposite the Seventies' Hally wind blowing in at the cracks and curing the And when the meals are over and the labors the geese and the innumerable hosts of ducks G. S. L. Citr. 27-2* tobacco up green before it has time to yellow. of the day are done, a clean, carpeted sitting quack? Does not every member of the crow FOUND, It will not yellow as quick here as in the At- room, well warmed and ventilated, invites the family caw, whether it be the jackdaw, the A T the Theatre, on Thursday evening, 27th Dec., ore lantic States. Some have supposed that to- farmer's family to the enjoyment of the farm- jay, the magpie, the rook, in some green rook-A black-covered POCKEr BOOK. The owner can have bacco could be thoroughly cured in this cli- er's firesi e. There is light enough upon the ery of the Old World, or the crow of the it by calling at the Theatre Ticket Office. 27.3 mate without firing, but we find that firing has centretable, no longer dispensed with a single woods, with its long, melancholy caw, that A RARE CHANCE! to be done to prevent its spoiling when there tallow candle, with w ck of spun tow, that seems to make the silence and solitude deeper? N excellent Faim for sale, situated in Weber is a fog. Our tobacco has not come in case only served to make the darkness visible. Compare all the sweet warblers of the song-In county, consisting of 60 acres of areble, meadew since it was fired so that it can be handled; The farmer and the farmer's wife and chil- ster family-the nightingales, the thrushes, and pasture land. Postession will be given immeditherefore we cannot tell how much one acre dren, have a taste for reading, and the reli- the mocking birds, the robins-they differ in ately. Cash, stock and grain wanted in payment. will prod ce. It will require one man to gious, miscellaneous and agricultural papers greater or less perfection of their note, but the For particulars apply to J. V. LONG, G. S. L. City. 27-2, about four acres of ground, and that we are fast becoming the necessities of farm life. same kind of voice runs through the whole find is as much as he can attend to with jus- No class digest more thorougaly what they group .- [Agassiz. WHO HAS LOST tice. read. There is no fierce competition in their THE COW that is in my possession? She is light red mannan business over-taxing the brain. At this sea-L and white, ten or twelve years old, illegibly branded -The venerable Lewis Cass attained his TRFE COTTON .- The culture of the Peruvion the left hip and horn, and has a slit in the left ear. son of the year there is comparative leisure, eightieth year on the 9th of October. Full of The cwnei is requested to prove property, pay charges an tree cotton is attracting attention in Caland the suggestions of agricultural papers are years he is quietly going downward to the and take her away. THOS. R G. WELCH, ifornia. turned to good account in forming plans for omb. Poundkeeper, Morgan City. 27 3

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common cheese press an hour's pressure

would bring out fifty pounds of sugar suffi-

THE FARMER'S FIRESIDE.

Few spots are happier or more cosy at this season of the year, than the rural fireside. stately and majestic form does to the smaller, Ho who forms his views of it from recollec- softer. noie peaceful aspect of a cat. Yet, tions of fifty years ago, or even of twenty, has not withstanding the difference in their size, very poor conceptions of the place. There is who can look at the lion., whether in his really no class that has shared more largely sleepy mood, as he lies curled up in the corner When the tobacco is thoroughly ripe, procure in the general prosperity of the country, or of his cage, or in his fiercer moments of hundormitory, has been succesded by a well low, from the buffalo roaming the prairie, the