

[CONCLUDED FROM PAGE 38] [For the Deseret News. Directions How to Raise Hemp and Flax, and the Importance Thereof.

BY S. P. GUHL.

circumstances will admit:

hemp and flax undoubtedly belong to those the same way as mentioned for hemp seed. one handful across another, till there is enough that might be cultivated with great advantage. Itis generally believed and has been asserted for a bundle. If the flax is very dry, it may I shall here only speak about flax, as import- by many of the principal flax-raisers in Den- be tied up immediately, and set up on the ground ant not only on account of the very great mark and other countries, that what constitutes for a few days to dry, and ripen the seed. In produce it will yield, compared with the the goodness of the Russian flax-seed is that it case of rain, it should not be tied before it is various kinds of grain, but on account of the is generally four or five years old. I think it dry again, but be spread out on the dry influence it would have on our home manufac- very likely that it should be so, but consider ground, it being very important to have it pertures and as a useful way of occupying a the changing from one soil and clime to feetly dried before storing it away under cover; great many hands, which is not at all unes- another as very essential; however, by paying if damp, the lint will loose in strength and sential considering the number who year by attention and care in raising seed we will do assume a color that will be hard to bleach off year come to settle here and are partly de- first rate with our own products without resort again. The next step will be to cut off the tops, pendent on the old settlers, and look to them | to those of foreign countries. for work to earn their living. There is noth- In order to obtain such a result it will be coarse wooden comb, which is a better way ing to hinder us, by taking some pains and by necessary to divide flax-raising in two differ- than to thrash it out; spread it out and treat improving the mode of cultivating hitherto ent parts, viz .: first, to raise good seed; and as before mentioned. This done, arrange the followed, from raising flax equally as good secondly, to raise good lint and oil-seed; be- plants so that the stalks in every bundle will and cheap as that raised and sold in the cause in raising good seed, the lint will always be about the same length. best markets in the world. I have this be of inferior quality because of the sap It has commonly been considered best to year worked up a quantity of flax raised in and juice necessary to ripen the seed will rot it directly after the pulling, but later exthe valley by Mr. Farr, just as good as any I weaken the lint, and make it coarse and not perience has shown that the lint gains and saw in the old countries, though one third fit for anything but plain and coarse materi- becomes stronger, softer, and more glossy by of it was spoiled on account of being kept so als; but good seed being of great value and being kept stored for some time before rotlong without being rotted. One wagon load commanding a higher price, nothing will be ting. As stated about the hemp, the rotting yielded 109 pounds of swingled flax and would lost. Raising good flax-seed requires a rich, is one of the chief and most important prohave yielded more if it had been attended to mellow soil, well manured, plowed and har- cesses in flax raising. The stalk consists of in due time; and according to Mr. Farr's own rowed. Where flax has not, for several years the bark, the lint and the marrow, held tostatement it was raised on one third of an previously been grown any kind of manure gether by a resinous sap. To dissolve this acre.

only in a limited degree, partly in conse- it may be sown thinly, but even, so as to and in the course of a few days a fermentaquence of too little pains and attention having leave plenty of room for the plants to grow tion will take place, dissolving the resinous lishments, which would make it their business, up in bundles and set up that it may be thor- the weather, and how Total population, free and slave, in 1850 9,612,915 be saved and made as profitable as possible. immediately, if not, the tops should be cut off, apply to flax. Should it be likely that wet or have it prepared, as circumstances might turned often till dry. The seed should then out of the rotting ditch a little sooner, and main there till the time shall arrive for its it. further preparing.

and flax, states, that if the farmers would ap- not be mixed with the rest. propriate one twentieth part of their farming | The most suitable soil for the cultivation of dollars more than wheat and barley would will answer well if rich and manured. It give. Thalbeck, in speaking of the same to the should either be plowed once in the fall Barons and people of Denmark, by way of and left unharrowed through the winter, that miles, with a population of 81,812, most of the of April, about four inches deep, and then inhabitants were well off, some rich, and be well harrowed. New and fresh manure is wealthy, all had the necessaries of life and not good; flax will grow first rate on land nobody begged, and this flourishing condition manured well the year before, where potatoes, considerable extent. was brought about by raising, spinning, and hemp, turnips or cabbage have been grown if manufacturing flax. The city of Bielefeld it has been well cultivated. In such case, no exports and sells every year, bleached linen, manure is required. When manure is used it is used for their own clothing.

be unreasonable to suppose that if one twen- Flax should not be grown on the same piece was used for raising flax, the same result would about seven years. be raised; especially considering that our qualities of the soil, and farmers must use would not engage in the business when aware tolerably dry and warm and not frosty at enjoy. of the great profit it would produce. That nights. Flax sown early will always be the

will soon follow.

of hemp and flax depends, to a very great ex- be sown the first of June. It should be harmay be sure to have it perfectly ripe, which is Should a heavy rain and then dry weather just as necessary as to have a rich, well pre- occur soon after the sowing is done, a strong pared soil.

the same soil and clime, will gradually degen- wooden harrow must be applied. erate, the straw will be short, and the lint | For preparing the ground, care should be fail in strength, therefore it becomes neces- taken to have it free from weeds; but should sary to chift seed from another valley or clime | weeding be necessary, it must be done before The means which at the present time, are can be trusted, to be sure that it is good, rise again. The weeding done, the flax will within the power of Utah, and on which she is otherwis buy it from our own farmers, who take care of itself, unless it needs waterdependant for supporting a rapidly increasing have treated it in the right way, and not from ing to keep the ground moderately moist; but less afflicted. population, are principally farming and stock- the stores, where it is likely that different too much water must not be let on at a time. raising, wheat and corn being the principal kinds may have been mixed together, which In nine or ten weeks after the seed is sown, products .- It being a well established fact will produce straws of different lengths and the flax will generally be ready for pulling, and that good and industrious farmers are the quality. Good flax seed should be light brown, attention must then be given to the arpearchief supporters and strength of a State, it is a little oblong, full, glossy, weighty, oily and ance of the plants, the leaves will drop off even evident, that the better they are off, the smooth to the touch; inside yellow green, and from the root and up to the middle of the stalk, better chance there will be for mechanics and when thrown into water will easily sink, or which assumes a pale yellowish color. These population in the several States which of late other laborers to rise and improve their con- when thrown on live coals will loudly snap signs appearing, the flax should be pulled dition. Everything that has a tendency to and quickly burn. All the seed grains ought without delay. If left standing longer it will improvement, and of rightly using the soil and to be of the same size and color. Seed that is be materially injured. This is one of the greatelements which are given into our hands, to large and broad, dark colored, round and thick mistakes committed here, in cultivating flax. If sentatives each had by the approprianment make us happy and independent, and prepare is not good for sowing, but should be used for fine lint be desired, the flax must be pulled a made under the seventh census, and the numagainst contingencies should certainly be con- oil only. In Europe the Russian flax-seed if little earlier, but not before the seed is nearly ber each would have been entitled to under siderd earnestly, and acted upon as soon as genuine, is considered the best, by farmers full-grown. When pulled, the dirt should be who make flax raising their business. It shaken off from the roots, the weeds and Among the plants especially adapted for being somewhat dificult to obtain real good, smallest flax plants picked out, observing not broken. the soil and clime of these valleys, rape, hops, sound seed it is always advisable to test it in to disarrange the roots, and laid on the ground

experiments may be made by parties on a seed of the very first quality, considering years in different parts of Europe. small scale that everybody interested may be the vast extent of our settlements, farmers in convinced of the truth of what I assert. Mr. the southern having only to swap with those Jacobson, in his exhortation to the Danish in the northern settlements. The stalks from people, to bestow more care on raising hemp the seed-flax should be rotted separately and

time as much or more wheat and corn would sown, depends on the weather and on the this can be done all at once, is impossible, but best and produce the strongest and finest lint.

The improvement and successful culture time to sow it in April or May, but it might crust will be formed, preventing the tender Flax seed, by being several years sown in plants from coming up. In that event, a light

which can best be done on the flax rake, or a

will do. If the seed is good and has been sap is the purpose of the rotting. This is ac-Flax raising in this Territory has prospered kept three or four years in a good, dry place, complished by putting the stalks under water being bestowed upon it, and partly because and expand and draw nourishment from sap. As soon as this is accomplished the the preparing of the lint has to be done by the ground. It should be sown as soon rotting must be discontinued. The same hands and not by machinery, which adds as the ground is in good condition, and pro- water should not be used more than once for considerably to the expense, but more still ceeded with as with hemp, until the stalks rotting flax, and it should be soft and clean. by its being performed by inexperienced become yellow, the leaves fall off and the seed The flax to be rotted should be put in all at hands, by which too much is wasted. The in the husks has a yellow-brown color. It one time. The exact time it will take to rot best way would certainly be to have estab- should then be pulled in dry weather; and tied it depends on the softness of the water, on moderate terms, to rot, break and swingle oughly dried by the sun and air, and not get ripe the flax is. In hot weather from the hemp and flax which the farmers raise. damp before being put under cover, which will three to six days will be sufficient; in cool, In that way nothing would be wasted, and the cause it to sweat and injure the seed consider- from six to twelve days will be required .lint, tow, oil-seed and seed for sowing might ably. If thoroughly dry it can be thrashed What has been said about rotting hemp will The farmer might then sell it in such places spread out in an airy place, and raked and weather should set in, the flax must be taken community, I shall here relate some facts farmers in the different parts of the Territory but finish my remarks by saying, that what I ance, and effiminacy. obtained by long experience and observation should commence raising it in the right man- have stated will be found to be true-acquired When a nation becomes rich, there is lei-

Planting Fruit Trees.

classes of citizens, who have been in this Terriland, to the raising of those crops, it would flax for lint and oil is a rich, mellow, damp tory many years, who have not as yet, set out the yearly give the country fourteen millions of soil. New land just broken and well prepared first fruit tree of any kind on their farms nor gument, each man owes to himself, to his inducement, states that in the earldom of Rav- the grass and weed-roots may freze and the not advised, but presume they do not know ensberg, containing only about 10 square ground become mellow, or in the latter part the value of fruit, nor how much it adds to the comfort of life, and in various ways inhances the enjoyments of those who produce it to any

There are but few locations in these valleys, suitable for cultivation, where fruit of to the amount of 750,000 dollars, and the whole must be put on and well spread in the fall, some kind cannot be grown, and it only needs cronies, "Now I mean to stump that old genearldom 1,625,550 dollars worth, besides what plowed several times to have it mixed with a little exertion on the part of those who cul- tleman." So, in his approach, he said: the soil Old cow manure is the best, tivate the earth, and wish to live comfortably Looking at these facts it would by no means but mud from ditches and waterings, is good. and happily, to produce in a very few years, tieth part of the farming land in these valleys of land oftener than once in an interval of a sufficient quantity of such kinds, as can be cut off the corn, the pumpkins were so thick by and by be obtained here, and at the same | The exact time when the seed should be selves and those depending upon them for the other cross the whole field!" subsistence, with many of the luxuries of life, eyeing him a moment, broke forth: farmers are working a new soil, full of life and their own judgment in the matter. As a com- which those who know the value and health-

a foundation may be laid now, and good flax, It is best to divide the seed and sow it in the who wish to set out fruit trees to obtain them, them."

at moderate prices produced here, the rest manner recommended for hemp seed. Im- especially apple and peach trees, and they will mediately after a mild rain would be the best do well to improve it. Of peach trees suitable for transplanting, there are tent, on getting good seed, and it will be rowed in well, but not too deep. If the land thousands which can be obtained for a mere important that we raise it ourselves, that we is very loose and dry it should be rolled. trifle, and no person wishing to plant out either an apple or peach orchard can say in truth that trees are so scarce and dear that they cannot be procured.

If there are any who have grounds suitable for growing fruit, who do not avail themselves of the oppertunity they now have to comevery fourth or fifth year. If it is desired to the plants are more than three or four inches mence orcharding at a trifling expense, it must have Russian flax-seed, buy it from those that high, for when trodden down they will not be in consequence of slothfulness-a chronic affection with which too many are more or

Population of the States Formerly Constituting the United States.

The following table shows the increase of constituted the American Confederacy during the last ten years, and the number of Reprethe eighth census had the Union remained un-

POPULATION OF FREE STATES.

		Population	, Population,	Appor*8	
	States.	1850.	1860.	New.	O.d.
	Maine	583,169		5	R
	New Hampshire	317,976	329.072	3	3
	Vermont	314,120	315.827	3	3
	Massachuseits.	994.514	1,231,494	10	11
	whode Island	147.545	174.621	1	2
	Connecticut	470,792	460,670	4	A
1	New York	097.394	3,851,563	30	33
	Pennsylvania	2,311,786	2.91g,018	23	25
	New Jersey	489.333	676.035	5	5
	Ohio	1,980,427	2,377,917	19	21
	Indiana	988,416	1,350,802	11	îi
	Illinois	851,470	1,691,233	13	9
ı	Michigan	397,654	754,291	6	4
1	Wisconsin	305,391	758.485	6	
١	Iowa	192,214	682.000	5	2
١	Minnesota	6,077	172,793	1	2
	Oregon	13,294	52,566	1	î
	California	92,597	384,770	3	2
	Kansas		143,645	1	1
					-

Total 13,454,169 18,950,759 Increase in ten years 5,495,590

SOUTHERN OR SLAVE STATES.

	Pop'n	in 1850.	Pop'n in 1860.		Appor't.	
States.	Free.	Slave.	Free.	Slave.	N.	0.
Delaw'e	89,242	2,290	116,548	1.805	1	1
Maryland	492,666	90,368	646,183	85.382	6	6
Virginia		482.528	1,097.373	495,826	11	13
N. Car.	580,491	283 548	679 965	328,377	7	8
S. Car.	283,523	384,981	308.186	407,185	4	6
Georgia	524,503	381,682	615.336	467.400	7	8
Florida		39,309		63,800	1	1
Alabama Mississippi		342,892		435,473	6	7
Louislana	A THE RESIDENCE OF THE PARTY.	309 878		479,607	5	4
Arkansas		244.809		312,186	4	4
Texas		47,1000 58,161		109,065	3	2
Tennessee		239,460		134.956	4	2
Kentucky		210,982		287,112	8	10
Missouri	594,620	77,422	1,085,595	225,490	8	10
PROPERTY.		11322	1,000,093	110,019	9	8

Total 6,412,503 3,200,412 8,434,126 3,999,283 84 89 1860 12,433,409

Increase in ten years 2,829,494.

Why Nations Die.

Cultivated Greece and all-conquering Rome; require. In the absence of such establish- be thrashed and thoroughly cleaned; packed spread out thinly to dry. The breaking, Vandal and Goth, and Hun and Moor, and ments it is always necessary that the rotting in tight barrels and kept in a dry place. It swingling and hatcheling is performed in just Pole, and Turk, all are dead or dying! Why? should take place immediately after the pul- will be necessary to take it out of the barrels the same way as with hemp, only that smaller Murdered by nations more powerful? Swalling, and being dried it must be placed where a few times every year to air it and then put tools are used, especially finer hatchels-the lowed by earthquakes? No, not by any of it is not exposed to rain or dampness, and re- back and kept three or four years before using finer. The seed to be used for these. Not by the lightning and the thunder; making oil should be clean from dust and not by the tempest and the storm; not by poi-As it is quite necessary that flax-seed sand, and may be cleaned either on a fan- soned air or volcanic fires did they die and do In order to do my best to recommend and should have change of soil and clime every ning-mill, or in a sieve; the cleaner it is the they die. They perish by moral degredation; forward this matter, of so much importance to fourth or fifth year, it is very desirable that better the oil will be. I will now say no more, the legitimate results of gluttony, intemper-

in other countries, with the sincere desire that ner; and how easy would it be always to have by experience and practice, for about twenty sure and means of indulging in the appetites and passions of nature, which waste the body and wreck the mind. As with nations, so with families. Wealth takes away the wholesome stimulous to effort; idleness opens There are many, inculding farmers and other the flood-gate of passional indulgence; and the heir of millions dies heirless and poor, and both name and memory ingloriously rot!

in their gardens, neither have they planted country, and more than all, to his Maker, to shade trees by the way side, and why we are live a life of temperance, industry and self-|denial.-[Hall.

Some Pumpkins.

Good old Dr. Bigler, (we will call him,) was a Baptist preacher in Indiana, and never liked to have any one beat him in telling a round, full-proportioned story. A wag, seeing him coming down the street, said to his

"Doctor, I really wish you had seen a piece of land I have on White River. I planted corn and pumpkins on five acres and when I raised in these mountains, to supply them- along the ground, that I could step from one to

The Doctor, nothing loth, drew up, and

"Why, sir, that was very well, but I had vigor, and are not so traditionated that they mon rule it may be put in when the ground is fulness of such things can appreciate and a ten acre field last fall, on which the pumpkins lay so close to each other, that when I stood at one corner and hit one pumpkin with There is now a good opportunity for those my feet, it jarred the whole ten acres of