### THE OREGON STATESMAN, SALEM, OREGON.

THURSDAY MORNING, OCTOBER 28, 1920

# Salem is Now the Fiber Flax Center of the United States, and It Will Before Long Have Twine and Thread Factories and in Due time Great Linen Mills.

# WHAT WAS SAID A YEAR AGO AND IS STILL TRUE

in Brief Paragraphs, the History of the Flax Industry in the Salem District-Great Credit Due the Pioneers cost of labor. Who Had Faith

the Salem slogan issue of The erica is the possibility of estab- to 300 tons of fiber annually-Statesman of October 30, 1919: etable-fibre fabric.

Linen will outlast cotton in from American flax." everyday wear in proportion of one to eight or more; that is, one wear eight or more of cotton. It is extremely important, there- annually.

fore, that the world should have more linen; it is bound to have more and more; the cry now is for more and more.

Ireland now manufactures more than one-third of the linen of the of the Gray family, the mills beabout 3 per cent of the flax need- the Salem woolen mills. ed in her manufactures.

and Belgium.

heps permanently; for before the United States or the world-the seasants as a tax tribute crop.

growing and manufacturing coun- low. try in colonial days; making the farmer cultivating a small patch flax,

The United States manufacturd more flax in 1776 than she does now But a new day is coming.

A recent authoritative statenest reads: "It is said that prob-



MANGIS BROS.

All Kinds of Fruit

Car Lot Shippers of

Potatoes

FIVE ACRE NUT OR

**BERRY TRACTS** 

We care for it for you.

Supplement your regular in-ne by owning a small fruit

See us about buying one now. Limited number tracts for

PEARCY BROS.

WILLAMETTE VALLEY

Corner High and Ferry Sts.,

We move anything. Also

making through trips to Portland and return. We al-

TRANSFER CO.

SALEM

so do local hauling.

regon Building

542 State St.

Phone 717

Salem

scutching and a tow mill at Turably successful in getting flax grown. They have themselves

hampered by scarcity and high They are in active business,

however, under the direction of Mr. Hansett as superintendent, Following are some brief ex- ably the greatest industrial asset and they have capacity to make

manufacture of American linen some way or other. What does that mean to Salem? Now for the most convincing linen sheet or tablecloth will out- his reputation as a prophet by flax country on earth, for the saying it means millions; millions fiber

Listen

Flax was first grown on a con-Mr. Miller, near Turner, took dition of fertility. siderable scale in Oregon for its samples of flax fiber grown by seed; in the seventies and early himself to the Philadelphia Cen-

eighties for the linseed oil mills cennial in 1876. His product came into compeworld; and she produces only the Salam woolen mills

country in the world. In 1895, Eugene Bosse, from The judges did not know where ed from seed flax, as it grows tall-About 90 per cent of her raw Belgium, who had been experting the samples were raised. They er, reaching a height of thirty-six materials have come from Rus- flax for the United States depart- judged by points - length, to forty-eight inches and not

The world has been using 800,- lem. He had been so employed Not one of the judges, however, therefore producing less seed. The said in this respect. Fall plowing ed at the right time weighs heavy and to 1,000,000 tons of flax fi- for two years, the flax being knew the findings of any other root penetrates little more than is recommended very strongly, but and produces strong fibre. As the her in her manufactures; with 92 grown under the direction of the judge. When the footings were an inch into the ground and the it has been found that early spring flax straw becomes over-ripe, it per cent of it all raised in Russia various state agricultural college made it was found that the Ore- feeders are about the size of a plowing, if the season is favora- loses weight on curing beyond the experiment stations-and he had gon flax had won ON ALL NINE Russia is now out of it; per- found that the best flax in the POINTS.

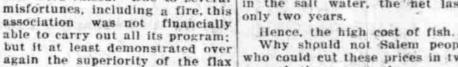
> section of Oregon. | ticular.

This fact was known before to At that time, a great Belfast prepared. The United States was a flax- a few people, as will appear be- manufacturer of linen products made the statement that no other

Mr. Bosse raised and treated country could come up to Oregon, "nome-spun" on hand looms in flax for its fiber here for a num- and that he could take two pounds he houses of the people; each ber of years, with varying busi- of the Marion county fiber AND ness success or failure, due to SPIN A THREAD THAT WOULD many causes, the story being too REACH AROUND THE WORLD. long for details at this time.

In 1896 Mrs. W. P. Lord, wife linen thread and selling it now of Governor Lord of Oregon, or- at \$6 a pound; \$12,000 a ton. ganized the Oregon Women's Flax Fishermen at Astoria are pay-Fiber association, and, under the

direction of this association and that goes into their nets. It its financing, several crops of costs them \$400 for a net; and, ment Station. flax were raised. Due to several in the salt water, the net lasts.



grown here, for its fiber. turer of linen mesh wearing apignated to do all this? parel, investigated conditions here, and he was on the point of

here when the

pany, financed by Theodore Roth, pany, financed by Theodore Roth, E. J. Hansett and other Saleur parties, three years ago built a They have been only reasongrown some flax, but have been He Tells Farmers How to Prepare Their Land, How to Sow the Seed, How to Harvest the Crop-He Declares

That Flax Growing Is Not Hard on the Soil (Robert Crawford, superintend- expected from ground that is cov-

rollowing are some oriel expected from ground that is cov-cerpts from the leading article in which the war has given to Am- 300 to 400 tons of tow and 200 ent of the state flax industry, in ered with surface water in the the Oregon state penitentiary, on winter. The land should be rich lishing in the United States a flax and they expect to solve the prob- April 1 last issued a printed cir- in itself, and made as free from recommended from our experi-Linen is the world's oldest veg- and linen industry; that is they lem of getting the flax grown in cular on "Flax Culture in Ore- weeds as possible by previous culgon," the full text of which is tivation.

Clover sod, old pasture, mead- factory results to the grower. printed below:) Flax for fibre can be grown ow land, or land under a hoed This writer is willing to risk proof of all that this is the best successfully on any soil that will crop of the previous year is usualproduce good wheat, oats, rye, barley or other cereals, but soils best suited are deep loants which barn-yard manure on a field, it desirable and highly recommendare well drained and in good con- should be applied to a previous ed that any large, noxious weeds crop, and not directly to the flax. that make their appearance in a

Flax does well on stubble or corn land, and it also does well directly to a flax field the same inches high should be pulled, or ting through the summer. on sod, especially following clover year it is liable to produce an un- stubbed carefully. where it is worked into a good. even growth and cause weeds which are injurious to the crop. Commercial fertilizers are prefer-

Fibre flax is easily distinguishents are used. ment of agriculture, came to Sa- strength, etc., nine points in all. branching until near the top.

Is Flax Hard on Soil? For years there has been an er-

hard on soil. This arose from the practice of a class of farmers who grew the crop for seed only, and borne in mind that a good crop of harvesting. persisted in growing it year after flax cannot be expected on a poor, The Barbours are spinning year on the same ground.

Flax grown on some soils is ab-

"The flax crop has for years in rows-better to harrow again pulled or cut. been one of the most lucrative in by all means,

Minnesota, and in order to main- It is very important that the who could cut these prices in two the effect upon the soil, the State fine on top, flax seed being very bound, it should be shocked or year. several times, put the rug and of Minnesota instructed its exper- small and easily lost in poorly stooked, and not left lay on the Dr. Deimel, the great manufac-twine and linen industries on iment station to make thorough prepared land. If the seed is hur-ground for any length of time. In their feet—Salem by nature des-investigation and to particularly led too deep, it usually dies, or if forming the shock or stook use

that commerce was bound to fol- port made by the station shows evenly.

used, and a double harrowing is highly recommended, then rolled with a smooth roller. This closes the surface and produces a more even and better germination, insuring a more uniform crop. As a general rule the best time

for sowing flax for fibre is be tween April 1st and May 10th. and no sowing for this crop should be done after the latter date. However, in some instances, good crops have been produced by sow-

ing up to May 20th. Amount of Seed Sown to Acre.

Overseeding is as much to be avoided as underseeding. It is Editor Statesman:

Cultivation. Fibre flax requires no cultivais at all found necessary to use the growing season, but it is most

#### Harvesting.

This is one of the most important operations in producing good able providing the proper ingredi- fibre flax. It is heavy flax that pays the grower and it is heavy flax that pays the fibre mill, A

Indeed, too much cannot be good flax straw properly harvestbetter.

war it was raised by Russian best fiber flax-was raised in this in the world in every single par- draw heavily from the soil, and and in plowing sod land a plow Oregon has not been harvested why the ground should he well equipped with a jointer should be until too ripe, too much attention just as good as in Belgium,

may be turned under to prevent it from coming up in the flax. cut when the stalks begin to strip This also gives you a much easier their leaves eight or ten inches roneons impression that flax was surface to disc and work up into from the root. The seed is then a fine,pulverized bed, which is ab- firm in the boles and not yet ratsolutely essential. And it must be tling. The seed will ripen after

wet, half-pulverized seed bed. So, cutting, care should be taken that if the'land is at all lumpy, it is the bundles are not made too solutely beneficial, and I beg to better to roll it with a corrugated large. They should not be over submit herewith an extract from roller, then borrow again before six inches in diameter in order to they that every year they raise. Mr. Hansett says some of their ing \$3.85 a pound for the twine Bulletin No. 74, issued by the sowing. Sowing should not be cure properly. Care should also Minnesota Agricultural Experi- done immediately after using cor- be exercised to see that the straw the wet fall most of the crop will 18 bushels of seed to the acrerugated roller; if it is it will be is kept even at the butt, whether

As soon as the straw is harvest-Why should not Salem people tain the acreage, and to ascertain seed bed, he well pulverized and ed, whether pulled or cut, and day to sign contracts for next. In paying the farmers \$50 a ton

-E. J. Hansett. Superintendent of the Oregon of cost to the farmers. forming the shock or stook use Flax Fibre Co.

their flax, grown for the Oregon A Busy Place. Flax Fibre Co., that rows, eight or ten together, tak-The Salem slogan editor visited them want to raise larger fields, Turner on Sunday last and found one man offering to grow 269 Mr. Hansett and a number of acres, and others 100 acres each. helpers busy with their flax being dried in the fields and on the vac-(Continued on mass s)

THE OREGON FLAX FIBRE **COMPANY IS HAVING SUCCESS** This Pioneer Institution in the Development of the Flax

Industry is Without Doubt the Forerunner of Great Things in the Salem District, Including Twine and Linen Mills

ant lots-taking full advantage of The Oregon Flax Fibre com- the sunshine, which had been all ence here that 30 to 100 pounds pany of Turner, with their office too scarce for their purpose for to the acre gives the most satis- at Salem, have been running their several weeks.

mill for five years and have made The plant of the Oregon Flax a splendid success of it. Why? Fibre Co. is easily the outstand-Just because the land and the cli- ing industry of Turner, and there ly the best ground for flax. If it tion whatever during any part of mate of the Willamette alley are is every reason to predict that it perfectly adapted to raise and will grow steadily in importance manufacture flax fibre. and magnitude, as ,it has done

We have certainly sometimes, a since it was started there, drawback, that is a wet fall. This In fact, there is every prospect By applying barn-yard, manure field of flax when it is six to eight can be remedied by doing the ret- that it will make Turner a most prosperous and progressive sub-

Mr. Lyster Dewey, of the fibre urb of Salem-as it will virtually investigation at Washington, D, be after the completion of the C., came to visit our plant last paved market road next summer, The Oregon Flax Fibre Co. obsummer on his way from Canada. Michigan, and some other states tained the flax from 240 acres of where there are some flax mills, and the past season; about 480 He told me that we were getting tons, or an average of about two more tonnage to the acre, and the tons to the acre. The reader will quality of the flax was so much see that the work is "cut out" for He must know, being in Mr. Hansett and his assistants, that line of business for 25 years. putting all that nearly a million pounds of flax through their ma-I will make the statement that chines before the time of the next there is no sense in saying that the farmers have to learn to pre- harvest.

Mr. Hansett said he was embarpare their flax fields so as to raise rassed now by the number of a good crop. I notice that most of farmers wishing to put out large them have their land prepared fields of flax for their company

next season-many more acres Take for example P. A. Thombeing offered than their machinasson, J. Denham, E. A. Bradley, and a good many others who have ery for working and finances for handling will allow at the present been raising flax for five years. They must do good work or their time.

#### Good for the Farmers.

To the farmers who did their own harvesting, the Oregon Flax Fibre company paid the past sea-Taking an average of 100 acres on the same farms. The return son \$50 a ton for their flax.

was this last crop from \$40 to ... The company itself raised and

100 acres each. On account of flax has threshed out as high as be put in in the spring, and a big worth at sowing time, last year flax corporation could get all the \$6.50 % bushel. He says the meed acreage needed. This is proved by alone, in some cases, will pay the

> for their flax, the company also furnished the seed for sowing free

So well pleased have been the farmers with the net returns for

ascertain if flax depleted the soil. it comes up at all, it is sickly and care to see that it is put up so Turner, Or., Oct. 26, 1920. James J. Hill said many times, The following section from the re- stunted and does not mature that it will not fall down. Arrange the sheaves or bund

The flax should be pulled or

hair. This short description of ble, does very well. It has been same straw cured at the right the flax plant should explain why proven without doubt that deep stage. It was the best flax fiber grown it is a dainty feeder and does not plowing produces the best results As a general rule flax straw in

used in order that all the grass being paid to the seed.

In harvesting, either pulling or

Curing.

returns would not bring as high as \$100 to \$120 clear money to the acre

war interfered. is connected may yet be interest-SALEM HARDWARE CO ed; and they will have to look decrees of nature. somewhere for raw materials, at

establishing a mill

The Oregon Flax Fiber com- Why not now?

"Eventually, why not now?"

MRS. LORD WRITES ON FLAX AND HEMP CROPS

She Urges the Growers to Give Flax Good Cultivation, in Order to Produce a Fine Quality of Fiber, and Says Hemp is Also Important

(Mrs. W. P. Lord was asked | millions of bags containing the for an article for this Salem slo- products of our fields of wheat gan issue. She has been very and other cereals, and potatoes busy, but she managed, last eve- and onions-and the farmers' pa- flax." ning, to find time to furnish the tience is sorely tried today by the following. She promises further contributions when she can get more time, especially on the imresist the action of salt water is this state. portance of raising hemp on our lands adapted to its growth:) newed every other year, at an al-A leading article in a number

would of commerce.

of the Saturday Evening Post, in the month of August, called attention to the great scarcity of flax fiber.

Here is one paragraph: "Before the war, Russia produced 92 per cent of all the flax grown in the world. Up until the time of the revolution in Russia flax was grown by individual farmers and all the large estates, as a compulsory tax crop. Bolshevism has changed all that and the outlook now is that Russia will never again produce as much flax, or as cheap flax, as was raised in the past."

It was Russian flax which printwine. cipally furnished the raw material for the twines used in sewing the

PHONE 1400 Rapid transportation is a primary essential to speeding up production

6 ACRES, ALL IN CROP, MODERN m new bungalow with basement, fireplace, bath, toilet, electric lighth and water in all buildings, barn with row stanchions, two silos, all oren wire feaced, lays well, on graval road, close to paved road, walking ice of Oregan state normal school located and a fine home for 60; half of the crop goes. Terms becaused on can be arranged to suit. ING AND LODGING HOUSE DO 11 because and a suit. Al business, comlectely furnished espable of sleeping and boarding persons, located in good town in location. Price for equipment, fur-te and building, \$7500. Terms can arranged. See Socolofsky, 341 State u. Sziem. Phone 970.

BEEMAN ONE-HORSE \$325\_SALEM

low the lines of least resistance. that many of the common crops The companies with which he No man, no company of men, no remove more fertility than flax nation, can for long resist the does

Eventually, Salem will be the ash, and about the same amount crop. flax and linen center of the world, of phosphoric acid, while an dat seed harrow possible should be

crop removes practically the same amount of nitrogen and phosphoric acid and about three-quarters more potash than a flax crop. Compared with wheat, flax removes less phosphoric acid and potash from the land, but about one-half more nitrogen. Potatoes remove about the same amount of phosphoric acid, about one-third less nitrogen and nearly three times more potash per acre than an average crop of flax. In flax growing the heavy draft falls upon the nitrogen, but when clover is grown, the loss of nitrogen is not at all a serious matter, because one fair crop of clover will more than return all of the nitro-

This statement is also supportleast strain, largely made of jute. ment of Agriculture; also by the Flax industry. The only material which will Oregon Agricultural College in

gen removed, by two crops of

flax fiber, and seines must be re- Selection of Soil for a Flax Crop. As before stated, flax does well a flax worker all his busy life. most unbelievable price. Prob- on any good soil, but some good greater personal interest in the not suited for a profitable flax and together these men have be chear at that, products of flax fiber than our crop, producing a large amount of brought system to the industry in

deal of talking-and I might al- mellow loam will grow a heavy ing to system and method. most say boasting-about the flax crop of both seed and fibre. A we CAN raise, we have never yet deep, clay loam with a clay sub-come down-to make use of a soil is good. Taking loam as a it is not nearly as good as it. In fact, the plant will it to commend our product to the way between and a heavy clay. We must grow flax commerci-

moisture, a good crop canno. be men now, and they have facilities

Sowing the Seed for Fibre. Using a broadcast seeder pro- ing two sheaves at a time and

duces the best results, as it is very leaning them 'against each other. "A corn crop removes a half important that the seed be evenly This forms a long narrow shock more nitrogen, twice as much pot- distributed to insure an average or stook, one sheaf or bundle to After sowing, the lightest

**A THOUSAND ACRES OF** 

Preparing the Land.

(Continued on page 4)

**FLAX FOR PRISON PLANT** 

as Large as it Was This Year-This is the Best Plant



Pulling flax in the field near Salem during the last harve



## **KLEARFLAX LINEN RUGS**

The Ideal Plain, one color Rng suitable for every room in the house

### **KLEARFLAX FACTS**

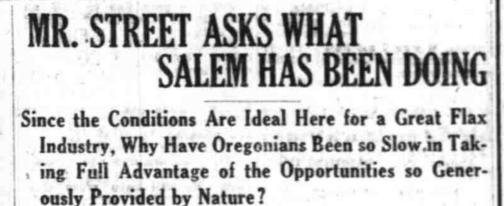
Reversible, dust-resisting, mothproof, thick, flat lying, and richly colored, Klearflax Linen Rugs are economical.

You can get Klearflax Linen Rugs in Taupe, Black, Blue, Grean, Greys, Browns, Rose and Natural Buff, in all standard rug sizes and any lengths or shape,

Sold only in Salem by



(Continued on page 8)



"What have your people been and that at that time a great Belfast linen manufacturer said he loing all these years? That was the question put to a could take two pounds of Maroin Statesman reporter by George H. county flax and SPIN A THREAD street at Hotel Marion last Sat- THAT WOULD REACH AROUND THE WORLDurday.

He meant, what have the peo-And away back before that, and ple of the Salem district been do- up to the early eightles, the Gray ing all these years, when they family had a linseed oil mill in knew, or ought to have known, Salem, where the Salem woolen that the best fiber flax in the mill now stands, and they had world is produced here; and that flax grown all over the Willamideal manufacturing conditions ette valley, and as far south as were provided by nature? That Douglas county, and the men of is, everybody here ought to know those days knew this section was these facts, for they have been especially adapted to the growing demonstrated over and over again of fiber flaxfor many years-And year after year, in many

For away back in 1876, at the experiments, it has been shown Philadelphia Centennial, fiber that no section of the world can

grown flax in such quantities as from this to a soil that is half should like to make it a light sandy soil, with good re- it should be replaced by new mamanufacture even the common be, it is very important that it ficial retting facilities and an artishould be well drained. Although ficial drying system. flax requires a certain amount of However, they are working 50 grain sacks,

(Continued on page 4)

The Salem slogan editor visited for working \$5. With even the the flax plant at the Oregon state present plant the flax from 1000 penitentiary on Monday and had acres could be taken care of; and a talk with Robert Crawford, su- with the improvements suggested poor twines which snap at the ed by the United States Depart- perintendent of the Oregon State above, and some more storage room, they could take care of the Mr. Crawford was born a flax product of a much larger acreage, man, in the great linen city of with the same sized forces.

Belfast, Ireland, and he has been It was formerly estimated that the needed improvements might Sol Worden is foreman of the be made for. \$5000. They might ably no state in the union has a soils differ in fertility, and are working forces inside the prison, cost \$10,000 now, and they would

Would Pay for Themselves. While we have done a great al of talking—and I might al-bal of talking al-bal of talking alba of talba of talking alba of talking alba of talba of talking alba of This is the best flax fiber plant carned by the plant were made

In fact, the plant will not only it is not nearly as good as it.

The machinery when bought or three years, it will earn enough far as half way between loam and was archaic, and a large part of to put in spinning machines, so ally before we can ever expect to suits. But whatever the soil may chinery, and there should be artiand the twine for the farmers which they need for sewing their

