SALEM DISTRICT INDUSTRIES

EIGHTH CONSECUTIVE YEAR

THE DAILY STATESMAN dedicates two or more pages each week in the interests of one of the fifty-two to a hundred basic industries of the Salem District. Letters and articles from people with vision are solicited. This is your page. Help make Salem grow.

SCHOOL CONTESTANTS HAVE SOME GOOD IDEAS ABOUT HOP AND CABBAGE GROWING

Twenty-one weeks ago it was announced that The Statesman would pay \$5 a week, till further notice, to the high school or grade school boy or girl in Marion or Polk county who would submit the best article on the current Slogan subject. The articles are to be in the office (or mailed) by noon of Tuesday of the week of the Slogan subject. All articles submitted to belong to The Statesman. The editor to judge as to the best, in deciding who shall receive the \$5. The idea is to furnish an opportunity to make the rising generation acquainted with the many and great advantages of the district in which they are to take active part in the future. They are to be the leaders as they grow into manhood and womanhood. There have been from one the first week to as many as 11 contestants. No blanks so far. There are four this week. The \$5 goes to Ray H. Lafky, and Gwendolyn Hubbard, Deena Hart and Olive Josephine Anderson are each to have a ticket to a moving picture show-any moving picture show selected, at the Oregon, Capitol or Elsinore. Two belated surprise prizes will be announced in this column next week. One other thing. The Statesman wants the photograph of the first prize winner each week. If the winner has no photo, please go to the Kennel-Ellis studio, 429 Oregon building, Salem, and have one taken, at the expense of The Statesman. When a few photos are in hand, cuts will be made of the first prize winners, to be printed in The Statesman; and perhaps in other papers. The boys and girls will please write on only one side of the paper. The following are the articles for this week: the acreage has remained about

the same. A market for hops was

found in England, and that coun-

try receives about 75 per cent of

the crop every year. The re-

maining 25 per cent is consumed

in this country by the manufac-

PROFITABLE CROPS

The hop is a twining plant

which twines in the direction of

the hands of a watch fright-hand-

ed spiral) It is a perennial

plant with opposite lobate leaves,

and grows wild in hedges and

per cent from 1909 to 1919, the

Hops are used for yeast, bever-

Cabbage

species of all cultivated varieties

of cabbages, kales, broccoli and

dug, well manured clay or foam

soil, which should he rolled be-

fore planting and frequently

stirred and hoed afterwards.

They are planted when about

by maggot of cabbage butterfly,

There are 1172 farms reported

If Salem were to have a sauer-

kraut factory it would help the

employment problem, also help

center and an incentive to raise

-Gwendolyn Hubbard.

in Oregon meaning 2.3 per cent

of all farms, with a value of

\$128,111 in cabbages.

by trapping.

more cabbages.

Salem, Oregon, -

Cabbage is a vegetable from

near beer.

Editor Statesman:

Editor Statesman: The United States is by far the leading nation in the exportation 201 Mission St., Salem, Ore., f hops, while the United Kingdom June 21, 1927. decidedly has the largest importation, o The states leading in the production of hops are the three Pacific coast states, Oregon, California, and Washington. The outof no other single state is of chough (consequence to be mentioned. Oregon has a little better than half the total acreage of three states. The production in Oregon is equal to the combined production of the other two states, and the farm value is equal to the combined value of the other two states.

Salem Great Hop Center Salem, the center of numerous upon river banks. The hop is agricultural products, is the cen- dioecious. The male flowers are ter of a hop growing district that small and terminal and bone in produces the finest hops in the the axils of leaves. The floral world. Two varieties, namely, envelope has five segments, and the Cluster and the Fuggles, are there are five stamens. The fe-

grown almost exclusively in the male flower has a tubular floral vicinity of Salem. Oregon ranks envelope and is made up of a first among the hop growing states series of bracts of the upper surin quality as well as quantity. The face of each. The bracts are largest hop yard in the world is membranous and covered with only a few miles from Salem. glands which secrete an oil which About 70 per cent of the Ore- keeps off insects. Flowers are tion hops are within a twenty mile pollinated by the wind. The riding of Salem. There is still a fruit is composite and is called a hig acreage of good river bottom strobilus. land within this radius which can he set out to hops if there is an

increase in demand. Must Know How

It is quite inadvisable for a man growing hops in Marion county. who does not have a thorough raising them. It is rather expen- poses, sive to start a yard, and therefore a large capital is required. How- hundreds of women and children ever, a commercial yield is obtain- which is a source of great help to ed the second year. Once a yard many families. is started growing, it is good for from twenty to thirty years without replanting. A larger yield may be obtained by means of irriration. However, the river bottom ground does produce a sizeable crop without irrigation.

Money Stays Here More than 9000 pickers are emplayed in the fields near Salem furing the picking season. Pickers are paid an average of one and fourth cents a pound for picking. \$3 to \$5 a day. The season lasts apart each way. Enemies include. in average picker can earn from rom three to four weeks and hereby furnishes employment for large number of people who would otherwise be idle. The production of hops also provides employment earlier in the year, when the hops must be first trained up strings and again when they must trained along the trellis wires. The only money that leaves the sulphur for drying and twine and to make it more of an industrial state through production is for

barlap for baling the hope. In 1914, when the state went dry, a goodly number of farmers 1175 Hood St. plowed up their yards, because they were afraid that further legis-lation would put a stop to the growing of hops. After a slight increase in acreage about 1919, Read the Want Ads

(Also In Weekly Statesman) (With a few possible changes) Drug Garden, May 5.

Dates of Slogans in Daily Statesman

Loganberries, October 7, 1926 Sugar Industry, May 12. Prunes, October 14 Dairying, October 21 Flax, October 28 Filberts, November 4 Walnuts, November 11 Strawberries, November 18 Apples, November 25 Raspberries, December 2 Mint, December 9 Beans, Etc., December 16 Blackberries, December 23 Cherries, December 30 Pears, January 6, 1927 Gooseberries, January 13 Corn, January 20 Celery, January 27 Spinach, Etc., February 3 Onions, Etc., February 10 Potatoes, Etc., February 17 Bees, February 24 Poultry and Pet Stock, Mar. 3 Paper Mills, Sept. 29. City Beautiful, Etc., March 10 Great Cows, March 17 Paved Highways, March 24 Head Lettuce, March 31 Silos, Etc., April 7 Legumes, April 14 Asparagus, Etc., April 21 Grapes, Etc., April 28

Water Powers, May 19. Irrigation, May 26. Mining, June 2. Land, Irrigation, etc., June 9. Floriculture, June 16. Hops, Cabbage, etc., June 23. Wholesaling, Jobbing, June 30. Cucumbers, etc., July 7. Hogs, July 14. Goats, July 21. Schools, July 28. Sheep, August 4. Seeds, August 11. National Advertising, Aug. 18. Livestock, August 25. Grain & Grain Products, Sept. 1 Manufacturing, Sept. 8. Automotive Industries, Sept. 15 Woodworking, etc., Sept. 22.

(Back copies of the Thursday edition of The Daily Oregon Statesman are on hand. They are for sale at 10 cents each, mailed to any address. Current copies 5 cents.

THIS WEEK'S SLOGAN

DID YOU KNOW That for many years Salem has been the greatest hop buying center from first hands in the world; that Oregon is the greatest hop growing state in the Union; that the industry will persist permanently in the Willamette valley, owing to the fact that there is grown here a superior, strong hop, for which there is a demand from foreign as well as domestic buyers; that at the prices that generally prevail few things that can be grown on the land are as profitable, and that the acreage of hops in the Salem district is now increasing and will likely grow slowly from year to year?

THE HOP INDUSTRY

a member of the Cannabinaceae rows. or hemp family. It is a native of A peg is driven into each hill Europe and also of the United onto which a twine is tied and ex-States, where it grows wild. The tended up from 12 to 20 feet to root is perennial and sends out several rough twining stems. The post to post. The posts are leaves are large and lobed. The planted in the rows about 40 feet fruit and flowers are green. The apart. The hops are trained up fruit, which is a catkin, is culti- the twines and later along the trelvated for the bitter taste which lis wires. it communicates to beer and also it is grown extensively for yeast shoots have grown to be about two

and malt. weight of the catkin, and the bit- during the training season. ter principles form from eight to 12 per cent of the lupulin,

There was an increase of 74.1 fly. value amounting to \$2,537,758 stead act would cause a decided 30 years without replanting, exand 207 farmers were reported slump in the hop market, how-cepting, of course, an occasional ever this is not the case. Eng- missing hill. land buys 75 per cent of the hop knowledge of rops to undertake ages and some medicinal pur- crop of the United States, and the rest is used by the yeast, drug and

The picking of hops employs near beer industries,

Oregon Hops Best any other state, and the hops taken to the drivers and put into grown here rank first in both large kilns where they are dried quantity and quality. Salem is the center of the hop region, and to 140 degrees Fahrenheit. As which the wild is the ancestral therefore is the center of the marketing. The hop industry brings great amount of money into cauliflowers; thrives in deeply Oregon yearly, but there has not been much planting lately. An impression is had by most people that hop growing must be gone into very cautiously. Nevertheless any farmer can make a good three inches tall, one to two feet income raising hops if he understands the proper methods of culclub or "finger and toe," caused tivating.

Hops are planted from cuttings removed by hand picking; slugs, taken from the roots of older hop

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plants. The cuttings are planted in rows about seven or eight feet These cuttings may be expected to yield the second year after planting. The Cultivation

In early spring the ground should be plowed both ways, then hoed, cultivated and then worked The bop (Humulus lupulus) is down with discs and spring har-

trellis wires which reach from

About the middle of April the or three feet high, and the train-The bitter substance contained ing starts. The four best shoots in the catkins is called lupulin, are selected in each hill and all Lupulin is a yellow powder con- the rest are cut away. Women ainin a bitter principle and vol- and younger boys and girls do atile oil. Lupulin constitutes most of the training and many from 10 to 12 per cent of the families are employed in this way

About two weeks later the stripping starts. All the shoots Hops have a medicinal value on the vife up about five feet and and are used as a tonic, a stomach on the roots are cut away, so that medicine and as a narcotic. Pil- there will be a heavier upper lows stuffed with hops are sup- growth and so that the sun may posed to bring on sleep more eas- come down to the roots.

When a hop yard once gets to Although it seems that the Vol- growing it will yield from 20 to

The Harvesting

Early hops known as Fuggles are harvested about August 15 and the later varieties about September 1. The hops are picked Oregon grows more hops than into large baskets and are then in a temperature of about 135

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soon as they are dried they are and especially along the river botpressed into bales weighing about tom. 190 pounds, these bales are wrapped and sewed into burlap growing of hops. Rich, alluvial coverings. When this process is lands or deep sandy or gravelly

Hops may be raised from the

seeds, but this method is seldom

and quickly secured,

vested until the second year.

Planting the Yard

to three inches. The price of

to the top and evaporates.

American hop is clean picking.

The practice of sulphuring hops,

which is now almost universal, is

a response to the demands of the

market. It makes them yellowish

and they look more uniform, which

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In 1921, Oregon had 13,000

increases their salability.

shipment. During the five or six weeks of readily tillable, while the cultivahop picking a great many people tion of a stiff soil is difficult and are employed. An experienced expensive. A well drained subworker can earn from \$3 to \$5 soil is essential and especial attention must be given to the depth. a day.

The camp ground looks like a fertility, drainage and fineness of miniature city with many tents. the soil, Some hop yard owners have built community houses where religious services and all sorts of employed, since by using cutamusements are provided for the tings strong plants are more easily

The buyers look the hops over, taking samples from each bale, and decide the standard and qual- tings planted in the spring, but ity of the hops. The largest bop yard in the

world is within a few miles of Sa-In 1926 the hop crep in the is known locally as "root-knot" Salem district amounted to 15,- or "warts." Plants should be 000,000 pounds and brought carefully selected to get plants

more than \$4,000,000 to the hop that can resist this disease.

Cabbage

growers near Salem.

There are many varieties of are planted in rows usually eight cabbages but those most cultivated are the common cabbage, 680 plants to the acre. The roots the savoy, the broccoli and the are put at a depth of about one cauliflower.

The varieties of the common roots varies, ranging from \$1 per cabbage are the white, the red, 1000 to \$8 and \$10 per 1000. which sometimes grows to the and should begin early and con- of any state. height of ten feet, and a very del- tinue until the plants are well icate Portugal cabbage. Cabbage is used in cooking and only to keep down the weeds but

is considered to be a very health- also to prevent the topsoil from ful food. Pickled cabbage forms a sort hard for when it is in this state

kraut in Germany. The Willamette valley has a very good climate for cabbage. found on strings because they are

grow excellent cabbage, and the higher soil will raise just as good

cabbage, if the land is irrigated. should be used. Instead of having cabbage

-Deena Hart.

1192 Shipping St., Salem, Oregon, June 20, 1927.

Hop growing was once a thriv-

ing industry in many states, but it is now restricted to certain localities, chiefly in the Pacific coast states, where conditions are especially favorable for the production of this crop.

In the five states which raise practically all the hops, Oregon. California, New York and Washington, Oregon ranks the highest Nearly all the hops grown in Oregon are grown in the Willamette valley. Between Independence and Corvallis there are lots of hop yards, and on the river bottom of the Santiam. There is a great possibility for the growing of hops in the Willamette valley,

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THE BEST EQUIPPED HOP YARD IN THE UNITED STATES IS IN SALEM DISTRICT finished the hops are ready for loams are preferred. The soil with a high percentage of sand is

Hop Growing in This Section Is on a Permanent Basis. Conducted in a Reliable Business Manner, and Employing the Best Cultural and Other Methods, as a General Rule-in Picking Time, Lake Brook Hop Ranch Is a City in the Country

In some sections of the valley a crop may be obtained from cutgrowers, is on a more permanent, ings are electric lighted, have runin general a full crop is not harbasis than elsewhere in the entire | ning water in each room, with world. The yards are laid out stoves, chairs, etc., and the camp In certain sections the hop plant' and equipped with an idea of sup- ground is electrically lighted. is affected by a crown gali which plying a needed staple for all There is a hall for entertainment

tire world is the Lake Brook yard down. The hop plants here should be of T. A. Livesley & Co., on their set out in March or April. They Lake Brook farm, seven miles below Salem. The farm contains feet apart, and requiring about 640 acres, of which 390 acres are occupied by the hop yard.

> There is an apartment house on this farm with 63 rooms and

and purple, cow cabbage or kale. Thorough cultivation is important acres of hops, which was the most face or stirred as soon as the

Cabbage

armed out. This is necessary not The chief standard varieties of early cabbage are: Wakefield, forming a crust and becoming Copenhagen Market and Golden Acre. These should be planted of national dish, called sauer- the moisture of the undersoil rises about February 1 to 15. If for a

The hops are healthier, it is 20. Varieties of late cabbage are: However it is not raised extensive- more successfully sprayed, mature | Glory, Danish Ball Head and Giant earlier, are usually richer and Green Savory. The seed should Low, sandy, damp soil will brighter, arm out lower, and are be planted about May 1, and not so leafy. For a permanent plants should be set out by June yard some form of wire trellis

The harvesting months are Augholding capacity and a well shipped in Salem should raise her ust and September. In picking drained place will produce a crop every effort should be made to rethat can be marketed longer in duce the quantity of leaves, stems, the fall and winter. Soils which and other foreign matter. The are high in unorganic matter will presence of these materially reusually produce large cabbage duces their market value. The which gives a heavy tonnage. The opinion is frequently expressed by success in growing of the crop is the more important hop dealers largely dependent upon the that one of the principal points amount of available moisture in for raising the quality of the the soil.

The seed should be planted no The primary object of curing more than one-half inch in the hops is to reduce rapidly their ground. The seeds should be moisture content to such a deplanted after a rain and about one-half pound of seed should be year. gree that they may be safely stored and their properties presown to every acre of cabbage. served. Hops must be dried soon The ground should be well fertilafter they are removed from the ized in the spring. The solidity vines, as otherwise they undergo of the heads is very largely dea process of oxidation or heating pendent upon the amount of minwhich seriously injures their qualeral element in the soil.

After the time of transplanting in the latter part of June the soil should be constantly stirred to keep a light mulch on the sur-

As has been repeated often in | another one built in 1924 with 38 these columns, there are many rooms. There are four more such very well equipped hop yards in apartment houses; six in all, and the Salem district. The industry capable of accommodating a tohere, as represented by the leading tal of 1200 people. The build-

and a large store, and 16 hop The best equipped yard of them kilns. Two of them were new all, and the finest hop yard in this in 1925 and two last year. The and in other respects in the en- former tents have all been torn There is nothing just like this

> hop yard elsewhere in the world; no other yard as thoroughly equipped. T. A. Livesley & Co. develop-

(Continued on page 10)

ground is in working condition after a rain. The plants should be cultivated at least 12 or 14 days.

The demand on the market for cabbage is usually for four to five pound heads. Solidity of the heads is also an important factor in the hotbed from March 25 to April question of marketing. Canneries and kraut factories usually will contract on an average price of from \$12 to \$15 per ton.

The average returns are usually from 10 to 18 tons per acre. Some yields go from 20 to 25 tons per acre, but the soil must be very good to get a return like *hat.

The cost of the production of cabbage is usually about \$75 to \$90 per acre.

The insect of greatest importance to fight are the green cabbage worm, the cabbage maggot, the flea beetle, the cut worm. grass hopper, cabbage aphis, and slugs or snails. There are sprays and dusts which can be had to fight these insects.

Many people who have small

gardens grow some for their own

use and there is also enough raised to supply the market all -Olive Josephine Anderson.

865 Marion St., Salem, Oregon, June 19, 1927.

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