### FOUR HUNDRED DOLLARS AN **ACRE PROFIT IN BROCCOLI**

This Was Extreme, Unusual and from a Very Small Acreage, in the Roseburg District; But It Shows What May Be Done with All Conditions Right

Since growing and setting the

Concerning the success of the crop,

worth while.

Editor Statesman: The editor has fered less frost damage than any asked me to write something about grower I have talked with methods, markets and profits connected with the broccoli industry of plants and cultivating them is knowl- broccoli figuring on the latter to than to leave it go a little longer so o. b. Roseburg. southern Oregon. I have been inter- edge possessed by every person who carry me through with green food that it was larger and yet not so ested in and taken quite an active has grown cabbage, cauliflower and after the kale was gone. part in the industry since its begin- similar crops, I shall not go into dening in the Umpqua valley-some talls, merely mentioning that we what from the intended discussion weighings of all kinds of heads and eight years ago-and feel safe in plant seed beds in April and start of the crop at this time of the year, the above is a summary in a nutclaiming that I am commencing to setting the plants in the field the This is harvesting season and up to shell, understand a few of the factors middle of June. which are required in making of this

gon grown seed was worthless. Dur-that it is quite a handicap to buy than usual. ing the war this imported seed de-crates and other supplies independown seed and the result has been sisting you, but I believe the cash some excellent strains of broccoli, plan is the better one. And evidently will they stand abuse by careless broccoli and, not anticipating my re- as it is currently reported that they quirements, was compelled to buy have sold the present crop for cash seed from several sources. The crop instead of shipping on commission as which is now being harvested shows formerly. a wide variation in product—ranging Profits depend upon the man, the all the way from the worthless trash seed, the soil, the weather and the from some strains to perfect heads market. Results in the past show reseed and harvested a liberal crop ing done without help outside the ate bruises and biemishes. And yet an eye. It was part of the game. sent it over to our bankers for safe best of land and small acreage clear keeping. We expect to plant about around \$200 in average seasons. In if they were onlone or bricks. Some the same acreage this season as last. larger crops where home labor cuts of the methods which were used by and it is certainly a pleasure to be but little figure in keeping down exable to eliminate this risk in getting penses profits are less. pure seed of high quality. Since it requires 5000 plants to set an acre, in other sections, I abve but little in- a crime and a distinct loss to the inof bad plants will make a difference opinion. Professor A. G. B. Bouquet being shipped out as Oregon broccoli small a proportion as ten per cent of approximately 30 crates at har- of the O. A. C. has given the broc- that was not worthy of the name. color. A nice green jacket, too, is less portion of the crop.

It pays to thoroughy prepare the land for the crop. My plowing and tractor and the work is far superior to horse-drawn implements. Prior to drained soil and think you would grown in this section.

which to develop a hard, woody has never been able to get as many stalk with which to protect itself cars as he desired. The Roseburg during periods like the one mention- section has adopted the standard to leave the heads in the field too guaranteed, ed. My crops were among the earli- pony crate. finding it much better long before they are cut. This is est to be set last season and I suf- than the old style which was not a done, some say, to let the head get

FOSTER BUTNER.

Roseburg, Ore., March 29, 1920.

#### BROCCOLI GROWING IN GENERAL

the field when they have formed nor be too old the next time of cutting. if they were onions or bricks. Some growers, most of them foreigners, last year in and around Portland in handling the heads after cutting was

you have some good, fertile, well- all sold as Oregon broccoli. the bad weather of mid-December we like this broccoli busineess, my sug- make is that this vegetable, because had the most promising crop ever gestion is: Get some good seed and of its worth and scarcity in other in with the idea that it will get overtry it out. If it proves a success and parts of the country, is deserving of looked. It may be the very crate I believe in early setting for the your neighbors will join with you in the greatest care when it comes to that gets the closest inspection. following reasons: More moisture is producing 30 or 40 acres so you can everything connected with the har-

available for the plant in establish-| conveniently load cars, it will be easy vesting and marketing of the crop. | crop inspection is essential in order to sell for cash at home. My buyer Cut the Heads Before They Get that the grading pack and loading Over-rine.

package this season ranges from \$1 cases this is a fallacy. -The head of such a test but no doubt some for the low quality to \$1.75 for the will not get larger but will be get- valuable data will be forthcoming best, all f. o. b. Roseburg. Before the ting riper which means that the curd just the same. Treeze in December the yield was est is beginning to separate and when timated at 75 cars, but the present that starts the head will not have prospect is for less than half that the carrying ability that it has when DR. BAILEY number. Most of the local growers the card is absolutely solid and intend to put in their usual acreage shows no sign of dividing. I have this season, hoping that the weather seen so many crates of stuff that man will be in a kinder mood next was overripe that I feel that this s one thing that must be corrected to get the greatest value out of the crop if it is to be shipped a long

The older the heads the quicker hey will shaink and the greater the shrinkage. It would be better to cut a head a little undersized and bave the card perfectly solid and white But we are wandering away some-tests along this line with actual

the present time the weather has | A large sharp butcher knife is used Now as to markets and profits, been very favorable for the harvest- in severing the head from the plant essential in the opinion of most market their crops through that or- many springs is the tramping of the top part of the leaves of the jacket for without a proved strain of seed factory prices and expect to continue hard on most any soil except the the packing shed. Growers vary in first crops produced here were from than to risk delays in transit and the soil is unusually dry and it looks the heads hauled in, some using the it helps to sell the product. imported seed and for several years fluctuations in prices upon receipt of as if the walking on the ground at old-fashioned two-dozen crates, and growers were led to believe that Ore- the goods in market. I must admit cutting time is going to do less harm others the flat crates as is used for coll would be a great crop for the marketing the crop. Care should be While proceed is a hardy vegetable taken in going over the field not to clined so in quality that numerous ently-also to load cars with only a and stands lots of cold weather the miss any heads that are in the right growers were forced to grow their few, small independent growers as heads will not stand to be cut as they would protein than kale and make almost owner in one seson, besides the

Following the hauling of the heads During 1919 I put out 23 acres of union members are of same opinion, and dirty handling in cutting, pack- to the packing house they should be ing or otherwise. Here is a high trimmed at each end so as to get class and high-priced vegetable for each approximately the same length which on eastern markets as high as in order to have a pack in the crate 40 cents is paid for a head. On the that is uniform in height. Here's local markets of the Northwest one where there is often some bruising migh consder 25 to 35 cents a good of the top part of the head and I from my own select seed and that of turns from less than zero to price for a No. 1 head. If the grow- have not intrequently seen the large one other careful grower. During the about \$400 per acre—the latter before, it is necessary that the hands of a careless fore, it is necessary that the hands trimmer take off the top part of the summer 1919 we saved quite a patch ing extreme, unusual and from a fore, it is necessary that the hand! trimmer take off the top part of the of our fanciest heads especially for very small acreage, the work all befrom it, prizing it so highly that we family. Experienced growers with just the same, there are hundreds of presumably, but nevertheless it cuts broccoli heads that are handled as that head out of grade No. 1 and possibly No. 2.

Grading Is Important. ripeness or solidity of the heads. their color and size. these the important points in the formation upon which to base an dustry because a lot of the stuff was order named, although there is in reality no more important point than vest time-not to mention the labor coli industry much attention and The Douglas county growers have very essential. The dealer in the of planting and cultivating a worth- study and his opinion should be prided themselves on a distinctly market wants something nice and good and uniform pack and it is a geen attached to the head and could But since some small successes shame for it to be spoiled by the sell a head somewhat blemished with have been reported, I see no reason poor stuff from other sections, for a igreen jacket often for a better harrowing last season were done with why larger ones are not possible. If in the East and Middle West it is price than an unblemished head with a noor jacket. Strict grading is im-The point that I am trying to perative rather than an attempt at the same. Nothing should be slipped

In community marketing of this be uniform. Otherwise the ship-There is a tendency among some ments will be such they cannot be

The crate most widely used is the flat one-tier crate holding from pack should be solid, tight, but not as is sometimes done in an attempt over a period of about two weeks. to get a tight crate. The rubbing of the sides of the heads will then be doing more harm than if the pack were a little looser. The bruises not appear under the eyes of the rate at the other end. I have kept in cold storage for this purpose. therefore, crates of various kinds which have been packed in various ways to find out the actual value of he broccoli in the different crates.

Keeping Qualities of Heads Differ Widely According to Maturity. One would be surprised at the very great difference between the length of time that different heads keep in good condition after being cut. Under identical conditions some heads will keep in a cool place as long as two weeks without showing hardly any signs of depreciating, while others will begin to go down two or three days after. In every case, however, it is the head which looks a little older that begins to go down the first.

More Farmers Should Plant Broccoli for Their Own Personal Use. There undoubtedly should be more

of this good substantial vegetable on the farms of this western country. The value of the heads for the table and the feeding value of the leaves make for two strong points in favor of planting this crop. The plants are easy to grow and handle just as readily as kale plants. The soil should be normally good fertile loam benefited, of course, by manurial applications. Rarely, if ever, is the crop injured to such an extent by the winter that it is valueless in the

It Is Too Eearly Yet to Plant, The best time to sow the seed of broccoli is during the early part of May and in some cases it is possible to plant even in June, but the bulk of the transplanting to the garden should be done in early July about the time that the summer rains are There used to be typical July the Fourth rains years ago but of late they seem to have given place to a long spell of dry weather.

The seed bed is an outside one and there should be no seeding done in a hotbed as some imagine at this time of the year. There will be a full discussion concerning the growing of the plants in a future article in these columns. Meanwhile seed can be obtained, the variety St. Valentine being the best. If unobtainable get Late Queen or Large White

O. A. C. Have Strain Tests of Seed in Douglas County. For the purpose of demonstrating,

started at Roseburg last spring, the ing back to their ancestors. marketing of the heads of the differ-

standard package. The price on this larger before it is cut. In many not conducive to the best interests

ON BROCCOLI (Continued from page 1)

grown in Douglas county Even bur prunes, notwithstanding the high prices of the past two er hree years, can not compete with this grop as a money maker.

This year the entire of the mpqua valley has been sold to one New York firm for \$1.75 a crate f

We have adopted the California solid. I have conducted bonafide pony crate as the one best adapted to this crop. This crate measures 18 by 24 inches and 4s 14 1-2 inches placed in a crate. All the green "jacket" surrounding the head is re tained, in order not only to protect While the majority of Roseberg ing of the heads. One disagreeable so as to leave enough leaves on to the "flower", but also because the Good, well-drained soil is the first growers belong to a fruit union and thing about broccoli harvesting in form a good jacket. Enough of the green appearance of the leaves below growers, but my opinion is that good ganization. I have always managed to ground while it is quite watersoaked should be left on also to fully protect People who are from the east can seed should take precedence over all, sell f. o. b. on a cash basis at satis- from the winter's rains and this is the head as it goes from the field to realize what it means for the housewife to see these green leaves when success will be very uncertain. The on those lines, as I believe it is better lighter sandy loams. But this year the kind of a crate in which to have the snow is still on the ground and

average dairyman to grow as part of mings from the plant are richer in which means \$1750 profit to the give free lecture on the impro as much feed per plant. Care must milk, and she gives two gallons a ties, and many go out to these be taken, however, to feed these day. trimmings after milking, as too much proceedi will taint the milk. The dairyman also has the requisite manare to grow the crop successfully.

Experiments have been made with he trimmings as ensilage and it has been found that about 50 per cent of traw must be added, as the broccoli leaves contain too much water to be just as good if we try to build up show strangers out over our city and show strangers placed in a silo alone.

This year, owing to the drouth last ummer, Douglas county will only produce in the neighborhood of 40 cars of this vegetable. Two years wonderful milk records, registered ago we marketed 90 cars and the dis- pure breeds. tributors at that time told me that they could have as easily marketed 1000 cars.

With our canneries, as I said beore, there is no reason to expect an over production of this crop, and answered, "Can't fill my orders," Oregon should be growing at least 5000 cars; shipping the best of itto eastern markets and canning the but from all I have seen, and I have smaller and imperfect heads. The canneries, however, require a goods tial to the pure white Saanens, They head in order to place a good article

When the growing of broccoli beomes more general, it means a lengthened period for our canneries to operate and also means that we have broadened the market or labor season for our farm help.

With the enormous acreage being planted in Oregon to small fruits and up to that state, say 40 years if all present. berries and the mighty host of hands goes well. it will soon require to gather the crops, it behooves us to broaden our May in plant beds with the calcuseasonable work in order that we lation of transplanting sometime in may give work over as long a period July or August to the field. of the year as possible. Broccoli later planting has the greatest vitalhowever, requires relatively few peowight to 12 heads, depuding in their ple to handle the crop of several although the heads are usually smallsize and the manner of packing. The acres. Five people can easily take er, which makes it very problematicare of the harvesting of five to 19 so solid that there will have to be acres, as the plants head unevenly best success. force used to get the last head in and the harvesting season extends

-DR. C. H. BAILEY. (In a private letter to the editor. Dr. Bailey said: "For the past five there are certain types of plants on or six years I have devoted a considwhich show up from such work do erable part of my time in the culture of broccoli seed, with the result that green leaves of no yellowish tint, and grower but the man handling the last shipping season our broccoli packed out 95 per cent No. 1, the heads, so that nothing is seen of highest score of any one shipping through the local union. The crop netted us last year \$350 an acre.' In a later private letter, Dr. Bailey confirms his statement as to the a bad climate can easily destroy a length of the broccoli harvest. He crop of broccoli a good climate alone says: "While, even in a large acreage will not make a crop unless the growa few boxes may be gathered along for a period of three or four weeks, the main crop will be harvested ina period not to exceed two weeks.'

Those interested will read with satisfaction the seed and plant advertisement of C. H. Bailey & Sons. They should be cleaned out, to the last seed and the last plant .- Ed.)

#### LEADING OSWEGO **GROWER ENCOURAGES** (Continued from page 1)

place is too good for broccoli culture The milder the climate the better. Frost is its worst enemy, especially accompanied with a sharp wind which freezes the pith in the stem and impairs or ruins the crop, as the case may be.

"Dry feet" is a very essential thing for many reasons. The frost resisting qualities depend largely upon the vitality of the plants, if, as in loose, dry, mellow soil which contains much humus, the plants hold up far better in the cold rainy weather and are slowly growing a little or at least holding their own; whereas, on lower, tighter soil they become dormant Some of the deeper roots may be in jured or even killed by excessive moisture which weakens the plants, and they may be easily killed by a frost which would scarcely injure the other thrifty ones.

A south slope protected with timber for a wind break on east and north and of sufficient elevation to escape the spring frosts which injure heads that are out, is the most de-

sirable place if dry enough. On account of the great difference between individual heads, I have been experimenting for years on seed growing. First noting the kind of heads that are the nearest ideal, as well as of good keeping qualities and all that goes with perfect heads and plants, saving such for seed in the hope that I could finally eliminate the poorer ones and standardize them; but the process is very slow possible, the value of different and tedious on account of the biseed strains of the variety St. Valen- annual nature and they have a most tine, some comparative tests were remarkable stubbornness for sport-

also the strain of seed of the variety. acres had not a single cull head. It it is almost ready, it is not possible The cold weather of December was will take a long time to get broccoli for me to tell anything about it at

## MRS. WOODS WOULD NOT TAKE \$1000 FOR HER SAANEN NANNE

She Has Been Visiting Down in California, Where Goats IL Better Than Her Swiss Beauty Are Selling for \$1500 to \$2500 Each; and Worth It

Editor Statesman:

I have seen your paper of March 11th and saw what you said about my goal, and others. Many thanks Some people in Salem will think

those prices staggering and untrue; and I did not consider my goat worth half that much before I came to California. But I have visited six things like California does, goat farms; I have a few more to could if she would, see yet of the best pure bred registered imported stock, and I have seen some here in Los Angeles that are wonders (in price, anyway) up to \$2500 each. One doe of Mr. Glari's herd, an imported doe, there. I have visited two named Joy Bell, is valued at \$1500, sales of land; one in the foot by which figures look large to us. But she had four kids a few days agothree doe kids and one buck. Does out in autos that hold 50 people sell for \$500 apiece at about three months old; the buck sells for \$250. this purpose. They serve free had

I would not take the \$1000 for mine, after learning what I have I have not seen any better goats than mine-only they are the city have one certain day each wee imported, with lists of blue ribbons or month as they see best and fu and silver cups, while we can have good stock.

I expect to keep some of the best stock obtainable; am buying some from these imported stocks, with

Some men here are selling goat milk in this city, doing a business of \$1200 a month, and I asked two of the best goat men here if one can get ready sale at such prices. They

I saw one sale, one for \$500, one kid for \$300 to the same person; seen all kinds here, I am very parhave proved the largest milkers I have seen.

Please save me five or six copies of March 11 paper. I will be back in Salem in about two weeks more. Have visited 17 different towns and cities, and enjoyed my trip very much. You know we don't want to | March 26, 1920.

ity for going through a hard winter, cal as to just when to plant for the

That is something for the grower to figure out according to the climate, soil, etc., which he has to contend with. But wherever grown which all growers usually agree. That is, very short stems, smooth, an abundance of foliage over the them until a day before cutting time, which keeps them white and insures against light frost as well as furnishing protection for shipping. While er does his part. Weeds have no place among broccoli. Soil should be rich for spring forcing, so that the plants will take on rapid growth as soon as the warm spring weather opens up; otherwise heads will be small and exposed to the weather so long, on account of lack of covering foliage, that they will take on a yellowish cast and be unfit for market, except possibly for pickling and poor

indeed for that. A field ought to be marked both ways so that cross cultivation could be practiced.

Most growers plant too closely, which weakens the plants and makes them too tall. I plant 3x4 feet, which places 3630 plants per acre. On account of the severe winters

of the eastern states, they cannot grow it and must dpend upon outside shipments to supply their demands, which are now increasing, as people get acquainted with this delicate dish which comes at a time of the year when little is to be had that is fresh from the garden.

I look for new protected places to be developed along the coast where it can be successfully grown and shipped in large quantities, as the market will always be good.

It is only a question of "delivering the goods" and offers sufficient reward to induce much trial and experimenting on locations suitable for

C. W. KRUSE. Oswego, Ore., March 23, 1920.

Experiment at Woodburn

Editor Statesman: Yours of the 25th at hand, askng for our experience in growing broccoli

I wish to say that is an experiment in this part of the valley, as no one else has tried it here, to my knowledge. This is our first year with broccoli, so am in no position to say anything. In fact I would like to learn more about it myself. -8. J. Kelly.

Woodburn, Or., Rt. 2, Mch. 26.

Mr. Compton Will Write Later.

Editor Statesman: I would gladly answer this if had the experience in raising broc-I have made considerable headway coli that would be necessary. As ent strains to be taking place about but would like to succeed much fur- it is, this is really my first crop. this time. This work is designed to ther. I have succeeded in getting out excepting a small amount which I help growers appreciate the fact that of 20 years of careful selection, a raised last year. This year's crop not only is the variety important but cabbage plant which in a field of six is not harvested yet, and although

get some germs into our system I heard a real estate man leet here yesterday. He says when be ple come to California they get the germ of California fever and the always want to come back to Call fornia when they go away. guess this is right, but I wish On gon people would catch the ge of thrift and enterprise and do

We have got the land in Orego

and if people would wake up to a

preciate what they have, and

together for Oregon as they do

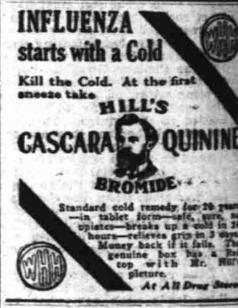
for pretty homes, one at the hart They take great ere land sale. on the street car-special ca ments of the city and its po with no thought of buying, but I fore they return they buy lots large figures, from \$550 to \$250 per lot, where I was. I would like for uplift of Salem. Why can't ti surrounding county and let the toist see what Oregon has. It woy be a good advertisement; and m up some good written (printed) a vertisement and send cate people as to what is in Oregon cate people as to what is in Oregon here sells from \$1000 to \$2000, 1 we had the get-up and move as the have here we could get prices Boost for good roads, long w loud, until they do wake up .- The roads here will tempt any one want to come here. I boost for On gon everywhere I go. Salem is ing fine of late and making we ful changes, and I am glad to m it. May the good work go on, until our home city is equal to any.

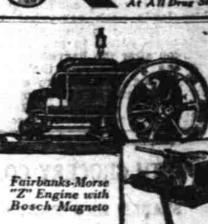
Yours for a bigger city. gove roads, and improvements in ever

- Mrs. B. M. Woods, 705 E. 43rd st., Los Angeles, Cal.

After the harvesting, when I put down usually in know more than at present, I give you my opinion, if you wish, Broadmead, Or., March 29, 1926.

(The Statesman will be glad to receive and publish in a later in the letter which Mr. Compton pr ises,-Ed,)

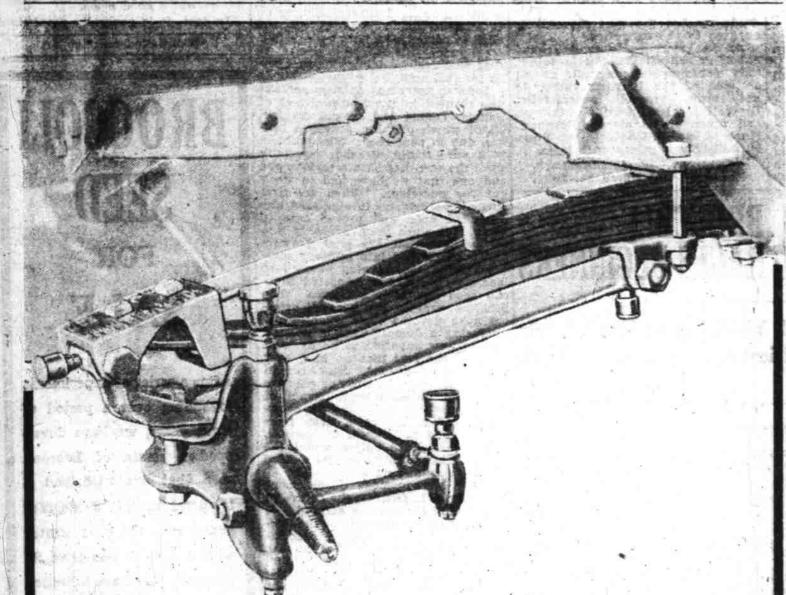




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We have secured the exclusive handling of Chevrolet shock absorbers for Polk and Marion counties and any of our dealers listed below have them in stock and will install them for you at

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This device is not made by the Chevrolet people but by an entirely different organization, not connected with the Chevrolet Factory. You know what Hassler shock absorbers do for a Ford. The Chevrolet Shock Absorber

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# Salem Automobile Company

F. G. Delano, Salem

A. I. Eoff, Dallas

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