PAGE SIX

cy to grow grain crops year after year on the same land. A great many farm ers realize the importance of crop ro-tation and rotate from grain to clov-or and then back from clover to grain. Practically all authorities

have been the crops used A good ro-tation to follow is from clover to veg-

is especially true where legume crops able are grawn. The bean is a legume plant Ph

bean of any

that grown here.

Practically all authorities are agreed put. that a vegetable crop is necessary to bring about the proper rotation and in a great many cases potatoes and cora

**Growing String Beans** 

In the Willamette Valley

BY R. W. GILL

One of the apparent needs of the whole Willamette valley section is on the city market, but when the great that of a greater rotation of crops. At the present time there is a tenden cy to grow grain crops year after year on the same land. A great many farmer a same basis of sales is fact at the same land.

etable crop and then to grain. How frosts in the full. Heavy or mucky ever, one of the great difficulties in soils are not desirable for growing

ever, one of the great difficulties in the way of following out this rotation has been the fact that there was no market for the vegetable crop on such a large extent. This condition is now largely overcome by the fact that de comes known there will be an increase contracting for a large acreage of va rious kinds of vegetables. These veg etable crops are not only a source of poon inc. but offer a fine opporta

on a sure basis of sale; in fact m farmers are too prone to consider the exceptional price on small sales rather than a reasonable profit on a large out

CHOOSING THE SOIL-The best

soil for growing beans is a warm, well drained and mollow, learny soil. A lo

eation should be chosen that is free

from late frosts in the spring or early

## THE DAILY CAPITAL JOURNAL, SALEM, OREGON.

RECUPERATION of the vital forces of the body, depleted in the struggle with acute disease, depends not upon super-ficial stimulation but upon ade-guate nourishment. The body needs to be nourished back to strength and power.

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Scott & Bowne, Bloomfield, N. I. 10-16 purpose vegetable fertilizer, for the re-sults of this fertilizer will be appar-ent in the soil for several sciences. The portance to cultivate the soil just as of his

PLANTING—The distance apart at which beans should be planted will de-yend largely upon the condition and fartility of the soil and in writing this ntiele I shall try to deal more with the average condition of soils that are will more than double the crop and the state of the source of the distance of the state of the source of the state of

nity to build up soil fortility and this for the bean is at home in a warm, fri PREPARATION OF THE SOILand will add greatly to the soil fertil The beat results in growing beans or ity. Much has been said about the high in fact any vegetable crop can be ob moisture of the soil and its propensity for retaining that moisture. The bean can hardly be considered a heavy feed er upon the soil. Generally speaking the rows should be planted about 2½ to 3 feet spart and ordinarily the best results are obtained by planting the seed in continuous drill. The amount of seed to be used will vary according to the soil, usually requiring about 25 to 40 pounds per acre, and seeding an quality of Oregon fruit, but there is tained by plowing the land twice. The first plowing of the soil for any should be made during March or April matic and soil conditions produce a and the second plowing should be made bean of the highest quality and J doubt if there is any section of the whole country which can produce a use of the disc will put it in much bet more autritive value than ter condition for planting the sted here. It is of the utmost importance that the

It is only in recent years that much attention has been paid to Oregon string heans by the food factories, but once the quality of this product be

attaction has been paid to Oregon string beans by the food factories, but once the quality of this product be comes known there will ea in increas-ing demand for the Oregon bean. MARETS—There are two market now good attention is given and the dehydrati-ing plans and the camerics and also. The solid before the sceep in the solid before to sole in the solid before the sceep is a spliced will be planted and the screen and the careful growing va-re sample of his solid before the sceep is a solid before the sceep in the solid before the sceep in the size of his market. The solid before the sceep is a solid be planted will be made solid be and the screen and the screen and the careful growing va-re sample of his solid be the screen and the careful growing va-re sample of his solid be the screen and solid be and the screen and solid be and the screen and any beams of the beam is by far the best, and to the screen and any bank at the sample of his solid tert but it is my jadgment that the first but is the there is control bank and have first but it is my jadgment that the first but is carlidy speaking, those which are particing in the maki can be entered into and the crop be sold before the seed is planed, so in upon the land and plowed under with this case the grower is not taking any upon the land and plowed under with chances on the sale of his product. The the second plowing. There are a great



for one make over another, I have HOME INDUSTRY the best suited for planting beans. These machines are not expensive and save much tabor and plant the beans just right as regards depth and distance and make the facilities for proper cultivation. CULTIVATION—As I have already stated, the main portion of the work in producing a crop of beans has al-ready been done in the proper prepa-ration of the soil. However, it is of great importance that the proper tention is given to cultivation of the crop. The manuer of cultivation is alo dependent upon weather conditions. In the case of the early plantings when the weather is cold and back ward, deep cultivation is essential, for such cultivation has a tendency to warm up the soil. During warm, dry weather it then becomes necessary to conserve the moisture and shallow methods of cultivation give the best results. If it should be necessary to

resort to deep cultivation to loosen the

soil after packing rais, it should im-mediately be leveled with a fine tooth cultivator. If it is not possible to ap-ply irrigation, it will become more than ever important to use dry farm-ing methods to conserve the moisture. Space will not permit full details of dry farming methods in this article, but the main principle involved is to stop evaporation of the moisture. This is done by forming a coating of fine dust on the surface of the soil. Prac-tically every farmer has observed that

dust on the surface of the soll. Prac-tically every farmer has observed that even in the dry weather of summer there is an abundance of moisture to be found under rocks, lodge or boards lying upon the ground. The moisture has come up around compating solid has come up against something solid brough which it cannot evaporate and

thus is retained in the soil and this is the same principle involved in making a dust muleh. The fine, close texture candidates, past, present and future, of the dust has a tendency to prevent have so lined up on the league of na-evaporation. It is best to continue cultivating or dragging the soil almost up to the time of harvest, but these inte

ent in the soil for several sensens. The nse of green cover crops are always very valuable in supplying humus to the soil and will prove of great value as a forerunner to the vegetable crop. PLAENTING—The distance apart at which beans should be planted will de-read leggaly mean the condition and

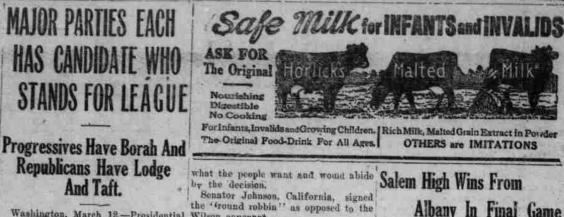
the average condition of soils that are suitable for bean crops. The distance apart at which the seed should be plant ed also depends considerably upon the moisture of the soil and its propensity never need be fittle expense in keep-ing down the work of the first culti-

to the soil, itsually requiring mould as cultivation should be run very close plan which would declare way and as the plants develop national crime and establish a court to in size cultivation should be made administer an international code. Senator Hardink signed the "round to the plants of the plants develop in the senator for the senator Senator Hardink signed the "round

which are planted after the ground has not usually prevalent but if it does warmed up in June and July can be appear the blighted plants should be

choosing the soil as above mentioned relatively high and the crop relatively

apon the aereage to be planted, for it is not desirable to have too large at tract coming on at one time, as it is night be different for the pickers ti would be well to make plantings approximately as follows: 2% acres respectively about May 10th. June 13th, June 25th, July 20th. This will give a hartweating endering the stone of the blood is given at her vesting season beginning about July 15th and extending up until time of the very best and the system, driven away. Hollister's Rocky Mountain Teals is one of the very best and the system, driven away. Hollister's Rocky Mountain Teals is one of the very best and the system, driven away. Hollister's Rocky Mountain Teals is one of the very best and the system, driven away. Hollister's Rocky Mountain Teals is one of the very best and spring medicines to take. Get it ends were nore it is desired to plant, the order will be better will be better, they II feel fine and happy. D. J. Fry. There reaches and have the difference in the whole family. The grower to purchase a good sood from the late whole and happy. D. J. Fry. There are none make over another, I have



Washington, March 12 .- Presidential Wilson covenant.

WEDNESDAY, MARCH 12, 1919.

public opinion decides, the major par-ties will have a candidate who stood cultivations should be very shallow and for that very thing. Among the dem-

> of his league of nations plans without says: amendment.

each nation the right to reject the coun. By mid day, however, net changes were 10 to 9 in favor of Salem. In the see eil's decrees While Champ Clark has not made sluggish.

Among the republicans: St. Paul, Texas and Pacific and New St. Former President Taft favors adop. York Central were the leaders among the tion of the present covenant unamended the rails. The coppers were a bit heavy.



organization representative of packers, livestomk producers and commission men was announced here today. The purpose of the organization is said to

robbin'' as opposed to the "Wilson covenant."

As to the progressives: Senator Borah demands a referendum

meat products may be offered the pub-lie at the lowest possible cost. on the league of nations to determine

The agreement, termed by packing house representatives as "epochal," was reached at a conference here attended by growers and packers from cight different states. The organza-tion, to be called the "conference com-mittee of the livestock industry," will comprise ten producers, ten packing representatives, one man from the bureau of markets and two commission en, Headquarters will be in Chicago. Local committees will operate in the various

be toward stabilization of receipte, ad-justment of grievances and betterment

Trading Turned Sluggish The Salem high senoot basketball season wound up last night with a By Noon In Today's Market whoop and bang, with Salem and Albany on the floor mixing like the first stages of an omelette. Heard from the New York, March 12 .- The New York President Wilson favors ratification Evening Sun financial review today street, the contest was a combination of Indian massacre and a bolshivin mendment. There were heatic moments in today's riot. Viewed from the inside the game

Bryan favors a league of nations stock market, particularly in the early was a whirl of wild playing, with the which safeguards the Monroe Doctrine, stages when buying was active in the two teams very closely tied up in the gives the United States more votes and price advances were broad. first half, which ended with a score of reduced materially and trading turned ond half the Salem bunch rapidly drew While Champ Clark has not made store and equipment stocks were ed up with a score of 30 to 13. The line public his opinion, his opponents credit him with intimating that the present strong throughout and st intervals up was as follows, with the points scor-league of nations plan has little chance bouyant. The shipping shares, tractions od by each player: forwards, Shafer of adoption. Among the republicans: Former President Taft favors adop. York Central were the leaders among tham (6), Ashby, Gregg (4). away from their opponents and finish-

Albany In Final Game

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get your money back. Ever constipated or have sick headache? Just try Wizard Liver Whips, pleasant little pink pills, 30 cents. Guaranteed.



One man reads the bulletin with difficulty-the other easily and naturally through



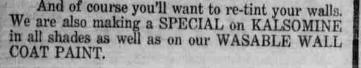
crops have been grown. In making the estimate I have had to average condi-

To advance a harmonious condition

to get reasonably good results but greater results and a hetter investment will

to a spray of soap and tobacco. Blight is and following the culture outlined it is not usually prevalent but if it does reasonably safe to figure on a crop of 2½ tons per acre, in fact much larger

EXPENSE AND PROFITS .- After tions and I have placed the expenses



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ret that you ever had a back, because it won't hact or be stiff or hame. Don't suffer! Get a small trial bottle of "Si Jacobs Elniment" from your druggio

ow and get this lasting relief.

of the year and is also of great value for using in silos. It is a very conser-vative estimate to place this value at \$15.00. With the end of the war there USE HOME PRODUCTS.

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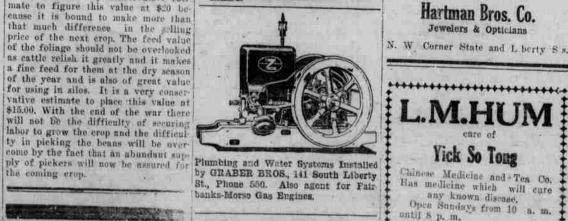
WOMEN"

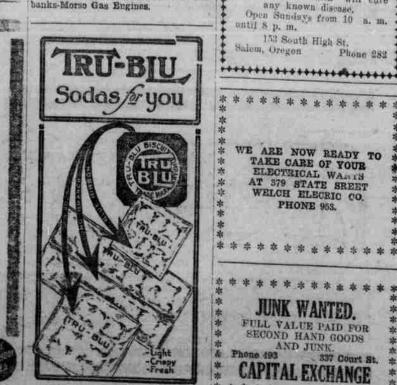
BLIG

THEATRE

secured to the grower if he will use 25.60 worth of fertilizer per acre, In-elligent fertilizing should be consid-Regarding the item of "value to the soil on next crop", it should be borne in mind that the ground used in grow-ing the bean crops is available for sowng a crop of fall grain and the method ing a crop of fail grant and the method, of cultivation used; the after effects of the fortilizing and also the produc-tive qualities of the basteria placed in the soil by the bean crop will all be of great value. The soil will also be in the very best of condition to pro-duce a coup of pupping or other spect be in the very best of condition to pro-duce a crop of potatoes or other veget-ables. It is a very conservative call-mate to figure this value at \$20 be-cause it is bound to make more than that much difference in the selling price of the next crop. The feed value of the foliage should not be overlooked as cattle relish it greatly and it makes a fine feed for them at the dry season of the vear and is also of great value









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