

to instruct officers and men in shoot-ing and in the operation and care of

In one camp officers under instruction from these men gave a demon stration in dismounting and assem bling this rifle while blindfolded, the record time being 7 minutes for dis-mounting and 22 minutes for assem-bling. There are 86 parts to the rifle. chanics' classes, the mechanics being hanics' classes, the mechanics being trained to make repairs to rifles in the field. Frequently they will have to do their work at night, when they will not be allowed to use lights, and therefore they must be thoroughly trained a taking down the rifle and putting a new parts by sense of touch.

Communal kitchens are being established throughout Great Britain and are proving successful in saving food and fuel, according to reports to the department of commerce. An article from a recent issue of an English

Trom a recent issue of an English newspaper is quoted: "The war has brought home to the public that the communal or national ditchen is a necessity and can be made a success. Within a comparatively short period there will probably be installed many hundreds of these establishments throughout the coun-try. The national kitchen was origiintended to supply poor peopl th nourishing and attractively pre-red food at low prices, but there is asiderable prospect—certainty, in considerable prospect-certainty, in fact-that the more prosperous will form a fair proportion of the custo-

"As an example of the outfit of a people's kitchen that at Hammersmith (London) may be taken as a model. This supplies about 6,000 customers a bly represents 12 000 to 15,000 consumers, as a custononly purchases for his or her family."

\$1,800 to \$3,000 for managers' and from \$1,200 to \$1,800 for assistants. A noncompetitive examination will be held May 16 in various parts of the country. Applicants will be examined in export-trade technique, promotion of commerce, and economic geography, and credit will be given for knowledge of foreign languages. The examinations will be under the direction of

The minister of agriculture of Brazil has been authorized to establish mod-ern experimental farms and agricul-tural colonies, especially for the edu-cation of orphans and abandoned chil-

the civil service.

### PROTECT YOUNG FRUIT TREES Should Be Firmly Packed to

Prevent Girdling by Rabbits and Field Mice.

one and two-year old fruit tree should have the snow firmly packed around each tree, grapevine, currant around each tree, grapevine, currant and gooseberry bush. Unless this is done, the trees may be girdled by rab-bits above the snow line and the field mice under the snow. Much the better method is to have

each the better method is to have each tree and bush wrapped with a strip of tarred paper from six inches below the surface of the ground to 20 inches above the ground. Common brown paper may be used if the bet-

brown paper may be used if the bet-ter quality cannot be had. It takes but a few minutes to wrap each tree. Where the winters are severe and the snows deep, the tender bark of the large fruiting trees is often gnawed. The trunk of the tree and-often the branches have the greater part of the bark completely.destroyed. Field mice are more destructive than the rability, as they work under the the rabbits, as they work under the and are much more numerous,

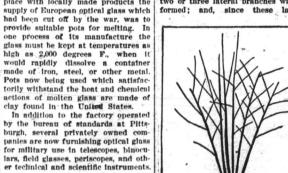
### TIME TO PRUNE RASPBERRIES

Work Must Be Done at Two Season of Year in Order to Accomplish the Best Results.

Because of its manner of fruit bear ing, the black raspberry requires care in its annual pruning; in fact, pruning must be done at two seasons of the year in order to accomplish the best

results. The young should also been peer from the roots in the spring should be tipped or disbudded when they reach the height of 18 inches. It is better to go over the plantations fre quently, making three or four trips in all, in order to tip the canes when they are about the height mentioned, rather than to delay the operation until some of them have reached a height of 2 to of them have reached a height of 2 to 2½ feet. The early pinching or dis-budding induces the development of more numerous lateral branches. Shoots which have been allowed to harden and to grow to 2 or 3 feet in height will form few lateral branches. If tipped when 18 inches high, a cane should produce four, five or six lateral branches. If allowed to attain a height branches. If allowed to attain a heigh

companies in America, it started to re-place with locally made products the of 8 feet and then cut back to 18 inch es, it is probable that not more than two or three lateral branches will be formed; and, since these lateral



Typical Raspberry After Pruning.

ing the food purchased for the troop ing the rood purchased for the troop to see that only pure articles are sup-plied. As an indication of the amoun of food that must be obtained, says a statement authorized by the quarter master general 1,500,000 men con anches form the fruit-bearing woo of the succeeding season, it is very desirable that the greatest possible number of branches be secured to insure a heavy crop of fruit. It is evi-dent, therefore, that summer pruning predetermines the crop for the succeed-ing year more than does any other sinsume daily 1,500,000 pounds of beef, 225,000 pounds of bacon, 210,000 pounds of ham, 125,000 cans of toma-toes, and 225,000 cans of jam-with other articles aggregating 6,750,000 sle cultural factor.

The second pruning, which is also important, consists in removing the These quantities of foodstuffs are subjected to thorough inspection. which begin at the source and con-thuse until the food is actually con-sumed. Each depot of the quartercanes which bore the last crop of fruit This work can be done at any time af fer the crop his been harvested, but preferably during the spring following the crop.

naster corps is a central subsisten business of its own, supplying th DISEASES OF PEACH TREES





BY DR. HUGO ERICHSEN.

en garden as in Flora's domain, and no

I have grown these uncommon vege-tables, and know. Some, of course, do not pan out well, but that is to be ex-

The townsman who is often de-

umstance is pardonable, but there is no excuse for the farmer who has plenty of available land and every

ecessary tool. Even in town if one has but a back

yard it pays to raise vegetables, as there is a decided difference between those obtained fresh from the hand

those obtained fresh from the hand of nature and the wilted stuff that comes to one's table from the gro-

Geographically the plants with

which I experimented were ideally dis-tributed and came from all points of the compass. And the sum total of my

ing the earth over it.

barred from gardening by stress of cir-

with much lauded novelties.

Even in the flower garden not every blossom is a rose and the

e score occasional failures

little profit.

pected.

cer.

They are planted in rows or nills three feet apart each way and should be thinned out thoroughly, as they re-In the mind of the avearage garden-er be he urban, suburban, or rural, the culture of vegetables is associated with quire considerable space. It is a good plan to sow the seed in a hotbed and transfer the young plants to the gar-den in the latter part of April or as soon as the weather is settled. I have always obtained favorable lrudgery, which is in no wise diverting. And, yet, if one deviates from the beaten paths and is not afraid to grow things that are decidedly uncommon, as much fun may be had in the kitch-

results from the English marrow. This vegetable belongs to the gourd tribe, and deserves to be better known in this country, for it is excellent for culinary purposes. It was first brought to England from

Persia in the year 1819. Although rather succulent, it has a fine, mellow flavor, and is especially delicious when prepared like squash. -Brussels sprouts are without excep-

tion the best winter vegetable that can be grown. I have picked them, the sprouts, I mean, as late as November. The real sprout is not much larger than a marble, and it is as firm and an a marble, and it is as and and ard almost as the stalk itself. The ed is sown in May in the same manner as cauliflower, and transplanted in July, one foot apart in the rows, which should be one and a half feet anart. Pe-tsal, a variety of cabbage, is a native of China, and has only been known as a culinary vegetable in Eu-

known as a culmary vegetable in Eu-rope since 1837. My experience with it was that in did not do well in the summer, but at-tained perfection in the late autumn months. I prefer to sow it in May Later it is transplanted to rows 18

experiences there were some real ac-quisitions in the form of table luxuries, such as Brussels sprouts, Mexican corn, English vegetable mar-row, and New Zealand spinach. . ¥. PRUNING THE FIRST WINTER

But in order to obtain the best re-sults, the ground must be carefully prepared. The best way to do this is to throw up the ridges of earth in the fail about a foot wide and two feet apart and let the frost permeate them

thoroughly in the winter. This ren-ders the soil very friable and the ideal seedbed may be prepared by covering the rows with fertilizer and distributing the earth over it. The following vegetables not only commend themselves to my favorable consideration, because they prove toothsome, but also because they four-the millions are and f belowe

ish with ordinary care and I believe ish with ordinary care and I believe they could be grown without difficulty in any part of the United States— that is, wherever vegetation thrives. The Cardoon, also known as the Spanish artichoke, is not only decided-ly picturesque, but one of those un-common vegetables. It derived its cognomen from the fact that it resem-bles the French artichoke to such an extent that it is hard to tell the two anart when they are planted side by been weak and short, all the wood ex-cept the biggest and strongest shoots should be taken off and the big shoot cut back to not more than three buds.

It seems to me the Cardoon possesse sufficient beauty to justify its addition to the ornamental foliage plants of our gardens. Although it would prove hardy in Florida and the southwest, it seldom reaches a height of over four feet in the more temperate one, and carries purplish blue, composite flowers





# DRAG PREPARES GOOD ROADS

ngth and Position of Hitch, and Po sition of Driver Are of Much Importance.

be fastened far enough on the chain toward the ditch end of the blade to force the unloaded drag to follow the team at about an angle of 45 degrees.

be cut, or if the furrow of earth in th ditch is to be moved, the hitch should be attached rather close on the chain to the ditch end of the drag. This will cause the drag to move nearly ditch end foremost. The driver should put his weight on the extreme forward end of the front blade, which will make the drag swing back to the proper angle and make the blade plow.

For such work the team should h driven slowly and carefully to keep the drag from dipping forward. If a wet spot is met, the driver should shift his weight backward so as not to dig too

his weight as far as possible from the ditch end of the blade. If there is a

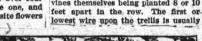
quickly from the ditch end. The distance from the drag at which the team is hitched affects the depth

Inches apart and a foot apart in rows, It may be used like the common cab-bage or bolied like spinach.

carefully study his vines, shaping them according to the character of the growth made by the plants. If the sea-son has been bad, or, because of any other reason, the year's growth has

ellis Consisting of Three or More Wires is Required—Shoots Must Be Tied to Supports.

The high-renewal system of training grapevines requires a trellis consisting of three or more wires or other suit-able supports carried by posts or stakes placed at convenient distances apart in the row of grapevines, the vines themselves being planted 8 or 10 feet apart in the row. The first or-



(By H. L. THOMPSON, Oklahoma Ex-periment Station, Stillwater.) The successful handling of the drag on the road depends on two principles. These are the length and position of the hitch, and the position of the driv-er on the drag. For ordinary work the clevis should be fastened for enough on the chain

This will cause the earth to the move smoothly along the face of the drag and will make the draft light on the team, provided the driver rides in the line of draft. If small weeds are to be out on if the drame of cault in the

deeply. If the blade becomes clogged with straw or weeds it can be made to clean itself usually if the driver shift

low place or a muchole to be filled the drag can be made to drop its load of earth if the driver shifts his weight

of cutting. A long hitch causes the blade to cut deeper and is used often when a rough road is to be smoothed up. Shortening the chain seems to lift the furrow blade from the ground and makes lighter cutting when doing light smoothing work.

For a new road with bumps and holes the three-blade steel drag is excellent, as it carries considerable earth and will not drop into the ruts or hole as badly as a two-blade drag. How ever, it usually requires four horses The team should ride the whole dis tance, going up one wheel track and



The Kind You Have Always Bought, and which has been in use for over over 30 years, has borne the signature of and has been made under his per-onal supervision since its infancy. Allow no one to deceive you in this. At Counterfeits, Imitations and "Just-as-good" are but to the trifle with and endanger the health of the counterfeits, Imitations and "Just-as-good" are but to the trifle with and endanger the health of the counterfeits. Imitations and "Just-as-good" are but to the trifle with and endanger the health of the counterfeits. Imitations and "Just-as-good" are but to the trifle with and endanger the health of the counter of the second second the second second the second second second second second second second second the second s

### GENUINE CASTORIA ALWAYS,



The Kind You Have Always Bought

CATARRHAL COLDS IN FOWLS ple Cold Prepares Way for Early Stages of Roup and Diphtheria-Prevention is Best.

(By W. F. KIRK, Connecticut Experi-ment Station.)

Pursuant to an order of the Su-perior Court of Alamance county, made in a Special Proceedings "therein pending, whereto the ad-ministrator and all the heirs-at-law of Washington Holt, deceased, are duly constituted parties, the under-signed commissioners will sell to the highest bidder, a. public anc-tion, at the court house door, in Graham, on One of the commonest and most fre-quently occurring diseases of ponitry is simple catarrh or just plain cold. This disease appears in a large number of flocks regularly every senson. In and of itself a simple cold does not cause much trouble, but inasmuch as it pre-pares a way for the early stages of SATURDAY, MAY 11, 1918,

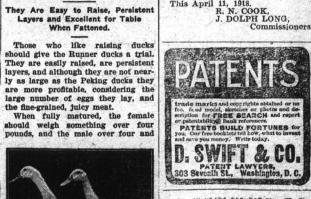
SATURDAY, MAY 11, 1918, at 12 o'clock noon, the following described real property: The several tracts or parcels of land situate in Alamance count', North Carolina, going to make up the lands of Washington Holt, de-ceased, which lands were conveyed to him as follows: By Cicero Shother and wife, deed dated Depures a way for the early stages of roup and diphtheria it especially be-hooves the poultrymen to combat colds the moment that they appear. Affect-ed birds usually do some sneezing, do not look quite as bright nor have as good appetites, and what is perhaps most characteristic, there is a thin most characteristic, there is a thin mucous secretion discharged from the nostrils, or in other words, the birds are running at the nose. If the case is not taken in hand at once this se-Shoffner and wife, deed dated De-cember 1, 1885, and Tecorded in the office of the Register of Deeds for Alamance county, in Book No. 11, page 291. This deed conveys to Washington Holt two fracts of land edicating the lange of Alams Share cretion likely will become cheesy, or gelatinous, the bird will have to breathe entirely through its mouth and pres-ently there is a well-developed case of roup to deal with instead of a plain,

Washington Holt two tracts of land adjoining the lands of Alson Sharp, Edwin Holt, Jane Thompson, J. C. Isley, and others, containing twen-ty-eight acres. Also that tract conveyed to Washington Holt by Jane Thomp-son by deed dated July 16, 1886. Said tract of land adjoining the above described lands and the lands formerly owned by E. M. Holt, Jr., and others, and contain-ing one acre, more or less. For a fuller description, see deeds above referred to. birds that are improperly nourished are more likely to contract colds than stock that is well fed. As vention is simpler than cure. One of the chief causes of this condition is the overcrowding of young, growing chicks in poorly ventilated sleeping referred to. TERMS OF SALE :- One-half the

Land Sale!

Theorem of the sale is a state of the sale of the sale is a state of

This April 11, 1918. R. N. COOK, J. DOLPH LONG, Commissio



Horticulturist Must Then Shape His Vines According to Character of Plant Growth. Pruning grapes the first winter after the vines are started is most important. It is then that the horticulturist must

HIGH-RENEWAL SYSTEM PLAN

apart when they are planted side by

The council of national defense has urged the state councils to provide voluntary aid for dependents of men in the service in collecting allotments of pay and family allowances, arrears of pay, travel pay, extra pay, or othe due estates of deceased soldiers and sailors

nts and allowances under the war-risk insurance law are paid directly by the treasury department to persons entitled thereto; claims insurance taken out ander the law should be addressed to bureau of war-risk insurance, treasury department. Washington, D. C.; claims for arrears of pay, extra pay and travel pay of ed soldiers and sallors and all other claims should be addre of the war department, Wash-Relatives and Friends or several sol-diers in army camps have been vic-timized by swindlers who wired or wrote for funds under soldiers' names. In each instance it was requested that money be sent by whre walving identi-fication, or by mall to general delivery. ington, D. C.

Consul General Thackara, at Paris-cables: "A decree of April 5, published April 6, gives notice that all merchandise prohibited from importation by law of May 6, 1916, will be selzed and sold for profit of the state unless a regular import authorization he pre-sented within five days after arrival. For first 30 days after promulgation of this decree requests for derogations from its provision can be addressed to the minister of finance, in case parti-cular circumstances justify an excep-

Two per cent of the enlisted person-nel of the divisions and detached units of the regular army. National Guard, and National army, excepting the and whiten arise, excepting the const artillery and various sing forms, will be designated to attend the fourth series of officers' training schools, which will open May 15. Admission has also been granted to some men who have had at least one year's mill tary training under army officers at educational institutions which have earned government recognition.

Night driving of motor-truck supply trains from the West to the seaboard has been started by the quarternas-ter's department as a step toward final training to fit men for service in of branch offices of the bureau of for

and other posts in its territory. The subsistence officers are held responsi-Brown Rot and Scab Held Fairly Well ble for the quality of the goods they

The quartermaster corps, charged with the responsibility of feeding and clothing the soldiers, is rigidly inspect-

225,000

clear and exact.

at other points,

stationed.

Relatives and friends of several se

sent to the father of a soldier in a

in Check by Use of Lime-Sul phur Spray.

Before the supplies reach the depots Brown rot and scab in peaches have een fairly well held in check in New however, they are passed upon by in spectors in the packing houses, can neries, and other sources of origin The records at Washington show the Jersey by the use of the self-bolle Jersey by the use of the seri-bond lime-sulphur spray, but the best possi-ble results have not always been ob-tained because the spray injured the trees in summer, so that growers put off the summer application. Now they capabilities, character, and standard of every establishment furnishing food for the army. The specifications which their products must meet are have worked out a new preparation which has given satisfaction as a sum-mer fungicide without injuring the frees. It is made by mixing eight pounds of fine dry sulphur with four The inspection branch maintains a current file of unreliable dealers and unreliable products, insuring the elim-ination of dealers who, having been denied the right to supply some of the many depots of the army, make suboounds hydrated lime, dissolving on and one-half ounces of ground g three gallons of water, then thor sequent attempts to obtain contracts ly incorporating the two mixtures as

luting the whole with water to mak 50 gallons.

RABBIT DAMAGE IN ORCHARD

Given Credit for More Harm Than They Are Guilty of as Rule Mice Do Most Injury.

the customary explanation being that the soldier had been discharged and would have no way of securing iden-tification, nor of getting mail address-Rabbleusually do less da ed to his company. The following is a typical telegram.

orchards than they are credited with In very young orchards or in nurseries they sometimes cut off the young they sometimes cut off the youn branches and may occasionally gnay the bark, but as a rule they do less

damage than mice.

"Have been discharged. Coming ome. Going to Atlanta through country tonight. Please wire me \$60 a FOWLS NOT WORTH KEEPING Atlanta so I may pay for uniform and come home direct. Wave identifica-tion as I am not known in Atlanta. Wire cash quick so I can get it to-

Hens Showing Characteristics of Poo Lavers Sh Should Be Marketed to Save Feed Bill.

Before being complied with, any re-Hens showing the characteristics of poor layers, and very old hens, are not quest for money to be sent under suc onditions should be verified by a letter or telegram to the commanding of-ficer of the camp in which the man whose name is signed to the request is worth keeping over the winter and are better marketed. By selling these birds their feed is saved and the birds that are left have more room and more chance to produce eggs when they are confined to the house by bad The United States government poking for men who can take char

of branch offices of the bureau of for-eign and domestic commerce, departi-ment of commerce, and met to act as assistants in these offices. Branches are located in the principal commer-cial cities. The salaries range from

- Contraction : 2



It does well in ordinary garden soil, and is raised from seed sown in April. When the plants come up they are thinned to stand about two feet apart

In rows. The stems and midribs and the edible parts must be blanched like celery before use. In the kitchen the Cardoon is em-

ployed for soups, stews and winter salads. Martynia, known to our forefathers

Martynia, known to our forefathers as Martinees, has undeservedly become unpopular. Perhaps the disagreeable odor of its gloxinialike flowers, and the peculiar shape of the hairy seed-pods that succeed them, had something to do with its disfavor. The latter are responsible for two other designations of this vegetable contradic for is Bordend where he is

curiosity, for in England where it is grown extensively it is known as the unlcorn plant, and in Mexico, where it grows wild, it is called the devil's

finger nails.

finger nails. The pods are produced in great abundance and should be gathered when less than half grown, as they are worthless after the hardening of their substance. They are pickled in vine-





High-Renewal System

eight buds is trained in either direc tion along the lowest wire. From each of these buds shoots develop which bear the crop of the season these ishoots are seldom able for themselves they must be

ter when it is possible to have a road-way to freeze smooth. Clay hills after considerable dragging frequently become too high in the center. This can be corrected by dragging the earth away from the center once and toward the center twice. The road drag is only good in clay or sim-flar solls, as its effectiveness depends on the smearing action which it has and by means of which it can make a water-tight coat. The sand road will be injured by crowning it toward the center and dragging because the sand road needs all the moisture it can hold. and a crown will drain this n

Follow Test Directions.

One reason why people do not get better results from testing is that they do not follow directions. They try to make a short cut to save time, but sac-

rifice thereby accuracy in the test.

Call for Dairy Cattle.

The call for dairy cattle is more mon ey making than the demand for been

Hog Weather.

A hog doesn't mind cold

his pen is dry and sunny.

Road Drag Is Not Costly.

back the other. It is a mistake to try

to improve too wide a strip at one time. The best work can be done by the drag when the soil is moist, but

not sticky, so the earth will move free-ly along the face of the blades. If

the roadway is very badly rutted it may be well to drag it when the earth is wet. This is particularly true just before a spell of cold weather in win-



Runner Ducks.

one-half pounds. When the young are

inds at

Mortgagee

forced for market they can be ma to weigh three and one-half pounds

dian Runners.

of age. There

ESTATE.

nd in large markets for fat In

100

Much trouble can be avoided if fowls are provided with dry, well-ventilated coops, with the accent on "ventilated."

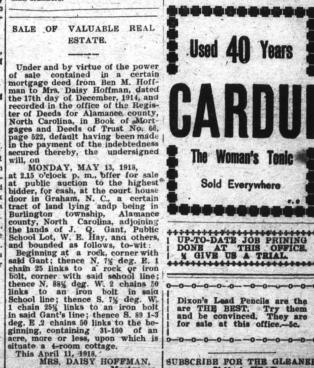
**GIVE RUNNER DUCK A TRIAL** 

Those who like raising ducks



DO YOU WANT A NEW STOMACH? If you do "Digestoneine" will give you one. For full particulars regard-ing this wonderful Remedy which has benefited thousands, apply to

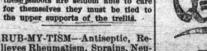
Hayes Drug Co.



Dixon's Lead Pencils are the are THE BEST. Try them and be convinced. They are for sale at this office,-5c. This April 11, 1918. MRS. DAISY HOFFMAN,

SUBSCRIBE FOR THE GLEANER \$1.00 A YEAR





# SUBSCRIBE FOR THE GLEANER

Q-ban is all ready to use-a liquid guaranteed harmless, 50c a l arge bottle-money back if not satisfied Sold by Hayes Drug Co., and all good drug stores. Try Q-ban Hair

Conic, Liquid Shampoo Soap.



She Used To Be Gray. The well known society leaders

away.

cattle.