

CARE OF FRUIT TREES.

Growing Them For Home Use In the Great Plains Region.
[Prepared by United States department of agriculture.]

After the young trees are in the ground one of the first operations which demands the careful attention of the orchardist is to head the trees back to the desired height. Farmers' Bulletin 727, "Growing Fruit For Home Use In the Great Plains Area," states that under Great Plains conditions the main stem or trunk of the tree should not exceed two or two and a half feet in height, measuring from the surface of the ground after the tree is planted. In many cases the heads may well be formed even lower than this, as trees with low heads are not as likely to be injured by the sun or wind. Although there is considerable difference of opinion as to the proper method of shaping the permanent head of the tree, conditions in the Great Plains area are such, says the bulletin, that an open head which develops from a few main branches is preferable to one so managed that it becomes dense and bushy.

To develop an open head only four to six branches should be left when the tree is pruned at the time it is planted or when it is formed later if one-year-old trees have been used. These branches should be selected with a view to their position on the trunk. They should be arranged symmetrically and spirally about the trunk and should start from different levels, thus leaving some space vertically between the different limbs. If two limbs



YOUNG APPLE TREE IN JULY OF SECOND SEASON'S GROWTH PRUNED WITH A VIEW TO DEVELOPING OPEN HEAD.

branch from the trunk at the same level there is much more danger that they will split down in later years under the weight of a large crop of fruit or during a heavy wind than where the formation is as suggested above.

The branches selected for the permanent top of a two-year-old tree should be cut back considerably at the time the tree is planted. If the tree has made a fairly vigorous growth in the nursery the preceding season one-half or two-thirds of the length, as a rule, may be cut away.

The tillage or cultivation of a fruit garden or orchard in the Great Plains region should be very thorough and should be continued fairly late in the season. The ground should be gone over frequently enough to destroy weeds before they have made any considerable growth to prevent the soil from blowing and to insure against any run off during heavy showers. The growing of cover crops and green manure crops is not recommended, as these crops draw so heavily on the moisture in the soil as to overbalance any benefits which they ordinarily give in maintaining the fertility of orchard soil in humid and irrigated sections. The humus furnished by such crops in sections where they can be grown must be supplied here by applying manure or vegetable matter in some other form.

For a similar reason the interplanting of crops between the rows of trees in young orchards, as is commonly done in commercial fruit growing sections, cannot be recommended in this area.

"Keep the top of the tree sufficiently open to admit air and sunshine freely," is a cardinal rule to follow in pruning fruit trees, says the bulletin. One of the commonest faults to be found with fruit trees on many ranches in the Great Plains area, and elsewhere for that matter, is the density of the tops. This fault is the natural consequence of planting trees without properly forming the heads at the time they are set out and of improper pruning or no pruning at all in after years.

If you have a news item, personal or any item of local news of interest The Progress will appreciate your giving it in at any time. The small item is appreciated as much as the larger ones.

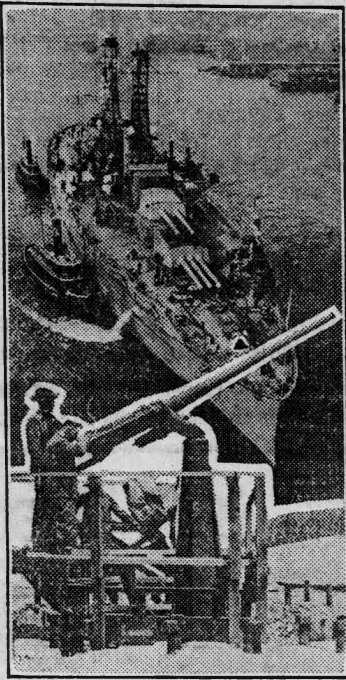
NAVY'S NEW GUN

Will Be Mounted on Battleships For Use Against Air Craft.

BELIEVED TO BE EFFECTIVE.

Is of Three Inch Bore and of 50 Calibers, and Claim is That It Will Shoot Five Miles Straight Up Into the Air. Already Mounted on Nevada and Pennsylvania.

Washington.—Forty of the new anti-air craft guns for use by the American navy have been completed and will be mounted on twenty battleships of the Atlantic fleet as rapidly as is possible without interfering with the summer maneuvers. Two of the newest dread-



Photos by American Press Association. NEVADA AND TYPE OF NEW ANTI-AIR CRAFT GUN.

naughts of the Atlantic fleet, the Pennsylvania and the Nevada, have already been equipped with these guns.

American naval officers contend that these are the most effective guns in the world for use against air craft. This claim is set up in a statement recently issued by Secretary Daniels, in which he says:

"Several of the newest dreadnaughts of the Atlantic fleet are now equipped with the most effective anti-air craft guns in the world. A quantity of these guns are completed and will be mounted on other vessels as rapidly as ships become available for navy yard work. Three years ago we had no anti-air craft guns. The design then under consideration, which proposed the adaptation of former secondary battery guns, had to be discarded."

The gun is of three inch bore and of fifty calibers. The claim made for it by naval ordnance experts is that it will shoot five miles straight up into the air.

OWL CAR FOR LOVERS.

Traction Magnate Out West Will Make New Arrangements.

Cleveland, O.—That all the world still loves a lover is to be demonstrated by Joseph Jordan of Willoughby, vice president and general manager of the Cleveland, Painesville and Eastern railroad.

"And I'm going to see that every one of them gets a square deal if my influence counts for anything," he said. Mr. Jordan learned that young men who go to see their "best girls" in Lake county and take the last car back to Cleveland at night must wait three-quarters of an hour for a city car at the East Cleveland "Y" after midnight before they can continue their journey.

"I shall take the matter up with John Stanley of the Cleveland Railroad company and arrange with him to have a city car wait for the last interurban car," Mr. Jordan said.

COLLEGE STUDENT AT 85.

Woman Who Started Education in 1847 to Enter California University.

Berkeley, Cal.—Probably the oldest college student in the United States, Mrs. Amy D. Winship, aged eighty-five, will soon be enrolled at the University of California, it became known here. She is coming from the University of Wisconsin, where she was a student during the early part of this year.

Mrs. Winship, who laid the foundation of her education in a log schoolhouse in Illinois in 1847, started her university career several years ago at the Ohio State university. Recently she specialized in botany, physics and international law.

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You've heard many an earful about the Prince Albert patented process that cuts out bite and parch and lets you smoke your fill without a comeback! Stake your bank roll that it proves out every hour of the day. Prince Albert has always been sold without coupons or premiums. We prefer to give quality!

There's sport smoking a pipe or rolling your own, but you know that you've got to have the right tobacco! We tell you Prince Albert will bang the doors wide open for you to come in on a good time firing up every little so often, without a

regret! You'll feel like your smoke past has been wasted and will be sorry you cannot back up for a fresh start.

You swing on this say-so like it was a tip to a thousand-dollar bill! It's worth that in happiness and contentment to you, to every man who knows what can be gotten out of a chummy jimmy pipe or a makin's cigarette with Prince Albert for "packing"!

R. J. REYNOLDS TOBACCO CO. Winston-Salem, N. C.

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THE Prince Albert tidy red tin, and in fact, every Prince Albert package, has a real message-to-you on its reverse side. You'll read—"Process Patented July 30th, 1907." That means that the United States Government has granted a patent on the process by which Prince Albert is made. And by which tongue bite and throat parch are cut out! Everywhere tobacco is sold you'll find Prince Albert awaiting you in tippy red bags, 5c; tidy red tins, 10c; handsome pound and half-pound tin humidor and in that clever crystal-glass humidor, with sponge-moistener top, that keeps the tobacco in such fine condition—always!



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NATIVE HAWAIIAN INDUSTRIES.

To Be Revived and Developed In Recently Established Village.

Honolulu.—The island of Hawaii has set aside at a point near Hilo, the chief city and seaport, a large area of forest land for the purpose of a unique public park. Within the boundaries of the park will be established and maintained village exhibits, where native industries will be revived and developed on a commercial scale.

The Hawaiian village will show the olden time grass houses, which will be inhabited by carefully selected Hawaiians. Here will be made the lau-hala hats and mats, together with the beautiful koa bowls and vessels for which the islands were famous.

BEAR CUBS CAUGHT.

Gentle as Puppies After Their Mother Was Driven Away.

Estacada, Ore.—Fred Bannister of Estacada returned recently from a trip in the interests of the forestry department near Cary's Hot Springs, on the Upper Clackamas river, bringing with him two brown bear cubs.

These cubs are about three months old and were captured by Bannister after the mother bear had been driven off and the youngsters allowed to climb a tall tree.

Temporarily the animals, which are as gentle as puppies, will be kept in Estacada, where they are furnishing much amusement for young and old.

HUGHES' COLLAR IN MUSEUM

Candidate Adds One to Collection of Those of Notables.

Bridgehampton, N. Y.—Among the many unusual letters received by Charles E. Hughes, the Republican nominee for president, was one asking him for a collar, preferably one which he had worn. Mr. Hughes sent the collar.

The letter came from the owner of a collar factory which has a museum in which are kept as exhibits collars worn by illustrious men. Several presidents have contributed, and there are any number of lesser dignitaries represented in the collection.

Ham Thirty-seven Years Old.

Liberty, Mo.—Dan Rhodus has a country ham hanging in his smoke-house at his home, near Mosby, which was cured by his father in 1878, thirty-seven years ago. It is plump and of fine appearance, although seemingly as solid as a rock.

Stick to the farm, young man, and its wealth will stick to you.

A PRESIDENT

a new Congress, a governor and hundreds of others are to be elected this year.

A world war is in progress.

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