Autum and Winter Care of the Vineyard

At this season of the year we are receiving inquiries regarding prop er method of trimming the vineyard, and what protection, if any, is needed over winter.

Commencing with the first year when planted, grape vines should be cut back to 3 or 4 buds and allow two or three canes to grow, also allow these two or three caues to branch at will. The object of the first season is to obtain such vigorous growth as will establish a good root system. The larger the amount of foliage, the stronger the root growth, each corresponding to

Late in Ostober or early in N vember, the first years growth : the vineyard should again be cut back to about four of the most vigorous buds. Our habit is to throw the growth of the second year into three canes with such branches as these canes may develop. Our plan is to ultimately trim to two wires, the lower wire 24.30 inches from the ground, the upper 31 to 4 feet. On soil that has been heavily fertilized and is naturally very rich, it might be well to have a with the thought to give the foliage of the rampart growing vine, more sun and air.

in the vineyard, if cultivation has been effective, canes from 4.8 feet in length or longer, have been produced. Those who give special care quite often get this growth the first season after planting.

Where the vine is allowed to grow at will, so many branches are thrown out that the shoots are weak and the bunches small. Weak shoots crowd each other and there is not room or sunlight for all. Pruning is a simple operation if the fundamental principle on which it rests is kept in mind. The fruit is borne near the base of the grewing shoots of the season and the bearing shoots of next reason are always from the growth of this. The intent in cutting away portions of the vine is to leave only a sufficient number of buds on canes of the the vine can support.

varieties. The stronger growing

allowed than the weaker. The laterals Vigorous laterals develop to from 4-6 bads depending on the age and strength of the vine. Al low as much fruit to set as the vine influgality.

The third season it would not be well to allow the vine to bear more than 15-20 bunches. The fourth season a well handled vineyard is nearly full bearing. The fifth and sixth years probably near at its

In setting posts to support the

wires, if they are placed 30 feet apart strong stays can be used for middle supports. The end posts should be strong, well braced, number 12 wire is heavy enough for use. After the vineyard is old enough to be supported by wires, we have found it profitable to still continue to trim the vines late in October or early November, cutting the canes loose from the wires, drop them on the ground with perthird wire 5-6 feet from the ground haps 2-3 forkfulls of strew to each vine, over this place sufficient soil to keep the wind from blowing through the straw and drying out At the end of the second season the cane. This protection is not of value in protecting the root sys. varieties of apples that those are straw or soil.

> Saline county to cover all varieties each and every winter. We cannot foretell when the trials of a severe winter may have to be endured.

Please read following article:

We notice a general feeling that current season's growth to give seedling peach trees have greater budded peach in the nursery such an amount of fruit the coming hardihood than budded varieties we have some guides as to its hardseason, as the age and strength of and doubtless thousanhs of farmers | ihood. We have this day made Pruning should be varried some- the idea of raising trees and plant- ferent varieties in nursery with a what to suit the habit of different | ing them for a chance peach crop. | view of noting the condition of the

varieties should have more wood today, we notice that the budded varieties ripen their wood earlier vines should not be allowed to bear and shed their foliagr earlier than much fruit until strong enough to the seedting trees along the side or grow vigorous canes with strong in the same rows. It not unfrequently happens that an occasional near their base productive fruit bud does not knit and grow. Thus buds. These laterals are cut back an occasional seedling is growing to the row with the budded trees. This gives opportunity for comparison in regard to early ripening can support and grow to perfection of wood and sheeding of foliage, Another point of intrests, nearly all of our hardier budded varieties have already set fruit buds on trees that have been growing six months only from the bud, that is, where budded in August and September 1900 and commenced growth in the pring of 1901. The seedling trees however, of the age of 2 years in the same row have not yet developed fruit buds. We notice that orchards of seedling peach trees do not as a rule fruit as early that is, at as young an age as orchards of budded varieties. During this year, 1901, in our orchards, yearling trees planted in the year 1901, in rare cases set and matured fruit the same summer. Not illfrequently our hardiest budded varieties fruited the second summer and quite freely the third summer,

The Dutchess of Coldeaburg apple is a standard as to hardihood because it invariable ripeus its wood early in the fall long before only beneficial to the canes but is the approach of winter. We find tem from our dry winters. We re- the hardest which have the wood gard this protection useful any most completely ripened before the year, and absolutely essential, for earliest late fall or winter peroids our most trying winters. Early in of severe weather. An unripe tree April, uncover the vines rising the may be demaged in October. canes, tie to wires, using some soft Sometimes unripe trees are severely string like wool twine soft enough damaged by the first severe frost and large enough not to chafe the or rather freeze coming in Septemcane. It will be found that the ber. It follows therefore that early vine will remain dormant longer if ripening of wood is the treasure taken up and tied to wire than if of hardinood. It is quite true that allowed to remain under cover of the average seedling may be hardier than some budded varieties, notably We have found it profitable in those of the Crawford type or others of similar hardihood. Such varie ties should be grown only in peach districts where the winter temperature never runs lower than 10 to 16

By noticing the behavior of the will this fall plant peach pits with careful examination of all the dif-Going through our nursery rows tree as to maturity and as a basis CORN GOES TO A DOLLAR! Our Prices Go Down. We are going to Close Out Our Clothing, Hats and Caps, Boots and Shoes, And Dress Goods. Sale starts Monday, and will continue as long as there is a pair Come early and get a good thing for a LITTLE MONEY.

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of comparison on the above line of

Varieties noted for special hardihood ripen early, shed their foliage earlier than other varieties with less reputation for hardinood. It requires no more time nor space to grow peach trees of the hardiest known varieties than to grow seedlings of unknown and ofttimes of little value. The hardiest varieties of trees can now be purchased at such low prices that it seems much more prohtable for the planter to fill his ground with varieties of the atmost hardihood and of known and positive good quality. Wide observations show that our hardiest varieties of grafted apple trees are far superior in hardihood to average seedling apple trees. Likewise the rare seedling peach of special hardihood and of sufficient quality to justify propagation is taken up, budded, named and set out with found much hardier, much more valuable every way, than the average seedling. E. F. STEPHENS,

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United States Lend Office,
Broken Bow, Neb., October 26, 1901.
Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before Register and Receiver, at Broken Bow, Neb., on Friday, December 6th, 1901, viz: RALPH TAYLOR, Lillian, Nebraska, on his H. E. No. 1690, for the E½ 8E, SE NE. section I, township 18, north, range 21, west 6th p. m. NE, SE NE. section I, township.

21, west 6th p. m.

He names the following witnesses to prove his continuous residence upon add sultivation of said land, viz: George M. Worthington, Rasmus P. Scritsmier, George Templar, all of Lillian. Nebraska; George L. Warring, of Broken Bow, Nebraska,

James Whitehead,

10-31 6t.

Register.

said land, viz: Bert Deatherage, James Slog-gett, Lewis Cushman, Alonzo B, Ash, all of Broken Bow, Nebraska, 10-31 ct James Whitehrad, Register.

United States Land Office,
Broken Bow, Neb., October 28, 1901.
Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before Register and Receiver, at Broken Bow, Nebraska, on Saturday December 7th, 1901, viz: WESLEY R. RICHAROSON, of Anselmo, Nebraska, on his H. E. No. 1697, for the N½ Se, Ne Sw. section 3t, Nw Sw. section 3t, township 20, north, range 24, west, 6th P. M.

He names the following witnesses to prove his continuous residence upon and cultivation of said land, viz: Samuel Adkins, John Adkins, Wesley M. Koger, North Koger, all of Anselmo, Nabraska.

James Whitehead,

NOTICE TO NON-RESIDENT DEFENDANTS.

NOTICE TO NON-RESIDENT DEFENDANTS.
In the Justice Court of E. G'Schwind, Justice of the Peace, Wilhin and for Custer county, Neb. Richard Price. Plaintiff.

John O. Hircock, Defd't.

John O. Hircock will take notice that on the 14th day of October, 1901. E. G'Schwind, a justice of the peace within and for Custer county, Nebraska, issued an order of attachment against you for the sum of \$172.38, in an action pending before him wherein Richard Price is plaintiff and John O. Hircock, defendant; that Hannah B. Hircock was garnishee in said action and she has answered disclosing that she is sdministratrix of the estate of William Hircock, deceased, and has moneys and credits in her possession and under her control belonging to said defendant, John Hircock; and said cause was continued to the 27th day of November, 1901, at 10 o'clock a. m., when you are required to appear and answer said petition or judgement will be rendered against you for the full amount claimed due, together with costs of suit. Rishard Price, Plaintiff. By Alpha Morgan, His Attorney. 10-31 4t By ALPHA MORGAN, His Attorney .

NOTICE TO NON-RESIDENT DEFENDANTS.

William A. Harris and Clara J. Harris, defendants will take notice that on the 16th day of September, 1901, Eliza A. Buillis, plaintiff herein, filed her petition in the district court of Custer county. Nebraska, against the above named defendants, impleaded with others, the object and prayer of which are to foreclose a certain mortgage deed executed by the said William H. Harris and Clara J. Harris, hu sband and wife, to the Nebraska Mortgage and Trust Company, whereby they conveyed the couthwest quarter of section 9, in township 17, north of range 25, west of the sixth Principal Meridian, in Nebraska, to secure the payment of \$759 according to the tener and effect of one first mortgage bond, dated on the 29th day of July, A. D. 1802, due and payable five years from the date thereof, with interest thereon. There is now due and owing thereon the said sum of \$750 with interest thereon from the lat day of January, 1893, at the rate of 10 per cent, per annum. For which sum the plaintiff prays for a decree that the defendants be required to pay the same or that said premises may be sold to satisfy the amount found to be due. The plaintiff herein, Eliza A. Builis, is the sesignee and owner of said send and mortgage. You are required to answer said petition en or before the 16th day of December, 1901.

Dated this 31st day of October, A. D. 1901.

ELIZA A. BUILLS, Plaintiff.

By Janes Ledwick, Her Attorney. 10-31 4t NOTICE TO NON-RESIDENT DEFENDANTS

TREASURY DEPARTMENT.

Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before Register and Receiver at Broken Bow, Neb., on Saturday, November 30, 1901, viz: GEORGE EYRE, of Round Valley, Nebraska, on his homestead entry Ne, 806, for the Swig, section 9, township 18, N., range 19, west, 6th p. m.

He names the following witnesses to prove his continuous residence upon and cultivation of

said land, viz:
Edward Olsen, of Round Valley, Nebraska;
Fritz Ullman, of Round Valley, Nebraska; Ernest
Klebb, of Round Valley, Nebraska; John Klebb,
of Broken Bow, Nebraska;
10-24 6t
JAMES WHITEHEAD, Register.

Notice is kereby given that the following named settler has filed notice of his intention to make flual proof in support of his claim, and that said proof will be made before Register and Receiver, at Broken Bow, Neb., on Monday, Novembet 4, 1901.viz: Robert M. Maloy, of Broken Bow, Neb. on his Bl. E. No. 1825, for signe, signe, some see, 5, T. 20, n. R. 20 w. 6th p. m.

He names the following witnesses to prove his continuous residence upon and cultivation of said land, viz:

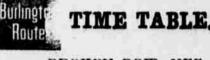
Isaac A. Runeau, of Broken Bow, Nebraska Will Apple, of Broken Bow, Nebraska; John W Beard, of Gates, Nebraska; Jack Coleman, of Gates, Pebraska. James Whitehead, Register.

NOTICE TO NON-RESIDENT DEFENDANTS George Gardiner, Mary E. Gardiner, Sasau Plumb, Annie Plumb, Isabell Flower, Jean Flower, Laura A. Moatague, Min Montague, Lydin Kelley, William Kelley, Eliza Stewart, William Stewart, Kate Plumb and Joseph Plumb, defeudants, infpleaded with others, will take William Stewart, Kate Plumb and Joseph Plumb, defendants, infpleaned with others, will take notice that on the 16th day of September, 1901, John E. Browning, plaintiff nersin, filed his petition in the district court of Custer county, Nebraska, against said defendants, impleaded with others, the object and prayer of which are to foreclose a certain mortgage deed executed by George Gardiner and Mary R. Gardiner, in favor of the Nebraska Mortgage and Trust Coffpany, covering and conveying the southeast quarter, of section 33, in township 18, north of range 19, west of the 6th Principal Meridan, in Nebraska, to secure the payment of a mortgage bond, dated on the 10th day of October, 1890, for the sum of \$400, due and payable five years from the date thereof. That there is now due and payable on said bond and mortgage the said sum of \$400 with interest thereon from the first day of November, 1895, at the rate of ten per cent, per annum; also three interest coupon notes, each in the sum of \$14., due and payable as follows: November 1st, 1851, May 1st, 1895, and November 1st, 1895, with interest on each of said notes from the maturity thereof at the rate of ten per cent per nanum, for which said several sums, with interest on each of said notes from the maturity thereof at the rate of ten per cent per nanum, for which said several sums, with interest, the plaintiff prays for a decree that the defendants be required to pay the same or that said premises may be sold to satisfy the amount found due. You are required to answer said petition on or before the 16th day of October, 1901.

Dated this 30th day of October, 1901.

JOHN E. Raowning, Plaintiff.

Ry James Lidwich, His Attorney.



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