ESTABLISHING

AN ORCHARD

College,)

The large profits realized from our orchards the past few years have given a great impetus to fruit growing, and as a result many people are setting out orchards. To a large number of these persons fruit growing is a new occupation and they are seeking information to aid them in establishing their orchards.

As regards the time to set the trees, from October to February or in good condition until planted March is generally preferable where climatic conditions are such as to allow one to carry on the work. Trees set at this time become well established in early spring and are ready to begin growth in April. In irrigated sections, or at the high elevations, where there is danger of fall freezing, planting can be delayed until spring.

The kind of soil is a question of importance; and in speaking of soils we consider both the physical and the chemical. The physical is, perhaps, the more important in that its conditions are bard to change, while often in the chemical we can supply lacking plant foods. Often the grower expects the chemist to analyze a small sample of his soil and tell him what it needs. The chemist can tell if certain experiments. As far as the physical characters of soil are concerned, apples in our climate prefer a clay but a clay loan is apt to retain moisture and food such as apples need. Pears will grow on similar soil as apples or even heavier soil. Cherries and prunes prefer the lighter loam, such as many of the red hill lands, especially where the soil is deep. Peaches do well on the granitic, sandy soils; while grapes prefer the sunny south-east deep and contain more or less stony sub-soil. The main requirement with the walnut seems to be a deep soil. Attention should be paid to the sub soil. Those soils having a hardpan near the surface. a cement gravel, or a loose gravel that does not reach a water supply the rivers, they often appearing light in character, are among our best fruit soils, being rich and deep and generally furnished with plenty of moisture. East of the mountains the rich volcanic soils when furnished with humus and given plenty of water will grow

most any of our fruits. Other things being equal, the higher elevations and slopes are to be preferred. They are apt to be better drained, more free from frosts, and often seem to produce fruit of better color.

Having chosen your land, the is old wheat land it should be thoroughly plowed and harrowed, should be added. On many of the humus, before planting the orrapidly as possible.

The question of varieties is a localities of our state have already determined this but to those local-following table shows the number ities where commercial orchards have not as yet been developed the rule would be to grow those commercial varieties which show the most promise in your immediate locality. Lacking this information try a few of the leading varieties. Three to five varieties will be enough for a commercial orchard and it is much better to plant at least three to insure thorough pollination, as some of our leading | 30x varieties seem to be sterile.

Often we are asked what age and size of trees is best. The one-

Stomach Troubles and Constipation

satisfactory to come back and get thei money, but have never had a complain." For sale by D. P. Adamson. inches from the ground, and you

and can be headed low, thus sav- dous returns with good care. ing much money in future years in spraying, thinning, pruning, and By (Claude I, Lewis, Professor of harvesting the crop, The medium hortfculture, Oregon Agricultural sized trees are better than the very smail or the very large. We are fortunate in Oregon in having nurseries that can furnish the finest of trees.

> When the trees come from the nursery they should be immediately unpacked, and, if in good condition, a trench should be dug deep enough to cover the roots, and the trees are generally dropped in at an angle of about forty-five degrees. This will keep the trees Never bury them in bundles for a long period, as they will often heat and decay. If they arrive somewhat dried and shriveled, bury them in moist earth or submerge them in water. The bark will often puff out and nearly all the trees will live. The distances to plant trees apart is a matter of interest all over the state, as there is a tendency to plant them too close. On our rich virgin soils, with plenty of moisture, our orchards can be planted closely, and probably make the best use of the land for the fir t ten or twelve years, when they begin to crowd.

It takes a good deal of nerve to cut out half an orchard that has been yielding a large profit, but if this is not done the whole orchard J W Wilt will be ruined; so, for a great Sharp many people, it would be better to A C Knighten" elements are deficient, but he can-not tell whether those present are plant the trees their permanent J.S. Watkins, road supervisor 169 68 distance and grow some garden F w Smith in an available form, and the crop in between if necessary for Sam Collins, grower is therefore forced to try the first few years. There is, how- W F Mason ever, one system that will allow J S Watkins you to cut out some trees. Apples B & L Co, supplies should be planted from thirty to C C Reynolds, road work. varieties of pears in the neighborthirty. Where the cherry attains R H Bayley a good size, it will need from McMeekin & Eastwood, lumber 36 26 thirty to thirty-five feet. Small George Cumming, work. varieties of peaches, twelve to fitteen, and the larger fifteen to twenty, and probably some varietslepes, especially those which are five. Our older prune orchards ies will do better with even twenty-

There are several systems of setting out an orchard. The first is the rectangular or square for sale by P. A. Adamson. are to be avoided. In many parts method, in which the trees are of western Oregon the alluvial set in squares. The chief advantage of this system is that it enables easy cultivation to be done.

Its disadvantage is that the trees are not all equally distant, the diagonals being greater than the soils that have been washed in by tage of this system is that it enhexagonal. It is set out on the basis of the circle, the distance be-top. Address Journal Office. Im tween the trees being equal to the radius of the circle. Thus we have six trees in a hexagon, with one tree in the center. The advantage of this method is that the stack. trees are all equally distant, but its disadvantage is that if the trees are set too closely they cannot be easily removed to advantage, for, next step is to prepare it. If this if you take out any trees, it will still leave some trees crowded. while other parts of the orchard

and where possible stable compost will have large spaces. The third method is the quincunx-one newly irrigated lands it is often rarely used but probably the best better to irrigate a season or two, of all. By this system four trees growing some crop to supply constitute a square and a fifth is set in the center of each square. chard. On many of the stump The orchard can be set out with lands holes can be dug for the the idea that the square will be trees and the land prepared as the permanent planting and that the fifth tree, in the center, will be removed when crowding occurs. difficult one to settle. Certain This center tree can be some earlymaturing tree like Wagner. The

of trees per acre by	each sy-tem.
Distance	Rectang-
apart	ular
12x12	
15x10	290
15x15 +	
20x15	145
18x18	134
20x20	108
25x20	87
25x25	70
30x30	48
OE DE	

In conclusion I would state that before setting your trees you should cut off all injured roots with a sharp knife, cut back dried or weak roots, set your trees in a hole ample enough to accommo-"Chamberlain's Stomach and Liver Tablets are the best thing for stomach troubles and constipation I have ever sold," says J. R. Cullman, a druggist of Potterville, Mich. They are easy to take and about three well lined, and head them take and always give satisfaction. I trees well lined and head them tell my customers to try them and if not low, so that the first branches trees well lined and head them

year-old tree is to be preferred. It have laid the foundation for an will establish itself more easily orchard that will give you tremen-

COUNTY COURT.

Continued from first pag

Continued from first page	
A C Lucas, juror fee	16 0
Oscar Ike, blazing trail	
Frank Elkins, sheriff salary	416 €
" " deputy "	200 (
Warren Brown, clerk' "	300 (
" " deputy "	150 (
W A Bell, judge's salary	166 6
C B Dinwiddle, supt. salary	166 (
W F King, treasurer's "	100 (
J D Lafollett, assessor's "	166 (
Wurzweiler & Co, mdse	19 (
Shipp & Perry, lumber	18 1
W- H Young, luror's fees	11
S J Newsom " "	11
LIT Mitaball is it	1
W F King " "	1 1
B F Johnson " "	- 1
Wm Wigle " "	11
Robert Rayl, witness	
Frank Smith, juror	
Grover Young, juror	11
John Bostwick, juror	1
Al Hill, juror	
James Cantrill, juror	
J H Haner, coroners fee	
C S Edwards, witness fee	1
C S Edwards, Autopsy on bo	dy of
E H Hurlburt	70
Frank Elkins, Premium on	tax
eollection bond	35
W J McGlivray, road super	visor

CL Roberts, road superviso	r 4
Geo Lytle " "	223
PT Monroe " "	61
Geo Monroe, road work	. 17
D C Jenkins, road supervisor	39
J H Gray " "	11
I W Wilt " "	275

loan, not necessarily a heavy clay, forty feet apart; the smaller TF McCallister, road supervisor 10 10 hood of twenty; while some of the Earl McLaughlin, salary, etc 210 85 larger varieties of pears will stand S S Stearns, commissioner's fee 16 20

FROM THE ANTILLES

Chamberlain's Cough Remedy Benefits a City Councilman at Kingston, Jamaica

five. Our older prune orchards are showing that thirty feet is none too far, while grapes are often planted in rows six feet apart and eight to ten feet apart in the row.

There are several systems of That it was beneficial and quick in re-That it was beneficial and quick in re-lieving me there is no doubt and it is

\$250 Reward

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Grain, alfalfa and baied hay fer sale. Will deliver by load or sell in stack. Inquire of Omar Claypool, at C. W. Elkins' store.





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on ho ho ho ho da ho ho ho on ho ho Royal Insurance Co. Not Welchers.

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HORIGAN & STILL, Props.

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HORIGAN & STILL

She names as witnesses: Charles Feuer-helm and James Faught of Prineville

Oregon.

Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 15th day of February 1908. 12-12 C. W. MOORE, Register.

State Selection

Notice for Publication.

U. S. Land Office, The Dalles, Oregon,
November 20, 1907.

Notice is hereby given that under the provisions of the act of Congress of August 14, 1848, and the acts supplementary and amendatory thereto, the State of Oregon has this day filed in this office its application, No. 691, to select the SE4 of the SW4 of Sec. 21, T. 17 south, range 17 E., W. M.
Any and all persons claiming adversely any of the above-described lands, or desiring for any reason to object to the final allowance of the same, should file their claims or objections in this office on or before the 16th of January, 1908.

C, W. MOORE, Register.

Notice for Publication

Notice for Publication

Department of the Interior,
Land Office at The Dalles, Oregon,
December 7, 1967.

Notice is hereby given that
Mary E. Vanderpool, Guardigs of John
B. Vanderpool, Insane,
of Prineville, Oregon, has filed notice of
her intention to make final five-year proof
in support of his claim, viz: Homestead
Entry No. 11924 made Dec. 19, 1902, for the
Lot I, NEW NW, and NJ, NEW of Sec.
30, Tp. 14 south, range 16 east, W. M., and
that said proof will be made before the
County Clerk, at Prineville, Oregon, on
January 23, 1908.

Sheriff's Sale

In the Circuit Court of The State of Ore gon for Crook County, G. M. Cornett, Plaintiff, vs George W. Whitsett and Maggie Whitsett, Defendants.

Notice for Publication
United States Land Office,
The Dalles, Oregon, November 12, 1897.
No ice is hereby given that in compliance
with the provisions of the act of Congress of
June 3, 1878, entitled "An act for the sale of
timber lands in the States of California, Oregon, Nevada, and Washington Territory," as
extended to all the Public Land States by act
of August 4, 1892,
Martha J. Wigle.
of Prineville, county of Crook, Stale of Oregon, has on Oct. 5, 1906, filed in this office her
sworn statement, No. 3673, for the purchase of the Lotz 2 and 3, 8E4 A W4 and SW4,
NE% of Sec. 4, in Tp. 13 south, range 16 E, W.
M., and will offer proof to show that the land
sought is more valuable for its timber or stone
than for agricultural purposes, and to establish
her claim to sald land before the county clerk
at Prineville, Oregon, on the 30th day of Janary, 1908.
She names as witnesses:
W. H. Huston, John W. Coillins, L. B.
Lafoliette, and Walter O'Neil all of Prineville.

ry, 1905.
She names as witnesses:
W. H. Huslon, John W. Coilins, L. B.
Lafollette, and Walter O'Neil all of Princylle, Any and all persons ciaiming adversely the above described lands are request-ed to file their claims in this office on or be-fore the said 30th day of January, 198, 12-5p C. W. MOORE, Register.

Notice to Creditors

Notice is hereby given by the undersigned, the administrator of the estate of Andrew J. Finnegan, deceased, to all persons having claims against said deceased to present the same with the proper vouchers to the undersigned at his office in Prineville, Oregon, within six months from the first publication of this notice.

Dated the 2d day of January, 1908.

M. R. ELLIOTT,
Administratar of the estate of Andrew J. Finnegan, Deceased.

House and lot for sale cheap Call on J. W. Horigan or D. F

Timber Land, Act June 3, 1878 Notice for Publication.

United States Land Office, United States Land Office,
The Dalles, Orc., September 21st, 1907.
Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

tended to all the Public Land States by act of August 4, 1892,
Rachel L. Noland,
of Portland, county of Multnomah,
State of Oregon, has this day filed in this office her sworn statement, No. 4333, for the purchase of the SEK NEW of Sec. 9, SM NWW and SWM NEW of Sec. 10, in Tp 13 south, range 15 east,
W. M., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish her claim to said land before the County Clerk, at Prineville, Oregon, on the 13th day of January, 1908.

She names as witnesses: Charles M.

She names as witnesses: Charles M. Charlton, L. E. Hudson, of Prineville, Oregon, Ella A. Kenyon, Cecil Kenyon, of Redmond, Oregon.

Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 13th day of January, 1908. office on or before said 13th day of January, 1908. 10-31p C. W. MOORE, Register.

State Selection, Notice for Publication

United States Land Office,
The Dalles, Oregon, December 13, 1907.
Notice is hereby given that under the provisions of the act of Congress of August 14, 1848, and the acts supplementary and amendatory thereto, the State of Oregon has this day filed in this office its application, No. 725, to select the Wight NW of Section 12, T. 15 south, range 17 east, W. M.
Any and all persons claiming adversely the above-described land, or desiring for any reason to object to the final allowance of the selection, should file their claims or objections in this office on or before the 8th day of February, 1908.

8th day of February, 1908. C. W. MOORE, Register.

Notice for Publicaion.

Notice for Publicaion.

Department of the Interior, Land Office at The Dalles, Oregon, December 7, 1907.

Notice is hereby given that Mary E. Vanderpool, of Prineville, Oregon, has filed notice of her intention to make final five-year proof in support of her claim, viz: Homestead Entry No. 11925 made December 19, 1902, for the 8½ NE¼, SE½ NW¼ and Lot 2 of Sec. 30. Tp. 14 south, range 16 east, W. M., and that said proof will be before the County Clerk, at Prineville, Oregon, on January 23, 1908.

She names the following witnesses to prove her continuous residence upon, and cultivation of, the land, viz: J. W. Elliott, Samuel J. Newsom, Julia Medaniels all of Prineville, Oregon, and George S. Miller, of Lamonta, Oregon. 12-12 C. W. MOORE, Register.

gon for Crook County,
G. M. Cornett, Plaintiff, vs George W.
Whitsett and Maggle Whitsett, Defendants,
By virtue of an execution and order of
sale issued out of the above entitled court,
on the 18th day of December, 1997, in favor
of G. M. Cornett, Plaintiff, and against
George W. Whitsett and Maggle Whitsett,
Defendants, for the sum of \$1000,00 judge,
ment with interest thereon from the 11th
day of September, 1993, at the rate of 10 per
cent per annum and \$100,00 attorneys fees
and the further sum of \$14.50 costs. And
whereas it was further ordered and decreed by the court that the following described real property to-wit; Lot No. 9,
in block No. 10, of Bend, Grook county,
Oregon, be sold by the Sheriff of sald
county as under execution.

Notice is hereby given that in obedience
to said execution and order of sale, I will
on Saturday, the 18th day of January, 1908,
at the hour of one o'clock p. m. of said
day at the court house door in the city of
Prineville, Crook county, Oregon, sell said
above described real property at public
auction to the highest bidder for cash, to
satisfy said judgment, attorneys fees and
costs and accruing costs.

Dated this 18th day of December, 1997,
So lee is hereby given that in compliance
with the provisions of the act of Congress of
June 3, 1878, entitled "An act for the sale of
those I had in the States of California, Ore
gon, Nevada, and Washington Territory," as
extended to all the Public Land States by act
of August 4, 1881 and 8, 1882, NW3, and Swight is more valuable for its timber or stone
of Prineville, Control, Control, State of Oregon, has on Oct. 5, 1906, filed in this office here
sought is more valuable for its timber or stone
of prineville, Orgon, howeash and the land
sought is more valuable for its timber or stone
of sale seven devices the court of the State of Orgon, be
sought is more valuable for its timber or stone
of the Lots 2 and 3, 8825, NW3, and 8W5.
Notice is hereby given that in compliance
with the provisions of the act of Congress of the Court of the

sold by the sheriff of said county, as under execution.

Notice is hereby given, that in obedience to said execution and order of sale, I will on Saturday, the 1st day of February, 1908, at the hour of one o'clock p. m. of said day at the court house door in the city of Prineville, Crook county, Oregon, sell said above described property at public auction to the highest bidder for cash in hand, to satisfy said judgment and interest and attorneys fees and costs.

Dated this 18th day of December, 1907.

FRANK ELKINS, Sheriff,

Crook County, Oregon.

Notice for Publication

Department of the Interior,
Land Office at The Dailes, Oregon,
December 7, 1907.

Notice is hereby given that
Charley Edward Parrish,
of Crook, Oregon, has filed notice of his
intention to make final five-year-proof in
support of his claim, viz: Homestead
Entry No. 10177 made Dec. 21, 1901, for the
W¼ SW¼, SE¼ SW¼ of Section 12 and
NE¼ NW¼ of Sec. 13, Tp. 18 south, range
20 east, W. M., and that said proof will be
made before the County Clerk at Prineville, Oregon, on January 23, 1908.

He names the following witnesses to
prove his continuous residence upon, and
cultivation of, the land, viz: Lewis V.
Tice, Harry Barnes, Norris Morgan and
Edward Parker, all of Crook, Oregon.
12-12p C. W. MOORE, Register.

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