FRUIT AND FLOWERS

OREGON BLACKBERRIES.

Experiment In Horticulture at the Utah Station.

Commenting upon the wonderful productiveness of the Oregon evergreen blackberry, the horticulturist of the Utah station says: The year previous to my coming to this station, 1896, 20 plants on these grounds bore 340 quarts of berries, which sold for $17. I had previously known this blackberry in Oregon, where its bearing

OREGON EVERGREEN BLACKBERRIES.

proclivities surpassed anything I had even seen in fruit production. Three vines of this variety at the Oregon station, as reported by Professor Coote, yielded 120 pounds of berries in one season. I doubt if this record has been beaten by any berry in this country. A few vines in the state which gave the berry its name will often supply a family from late summer until cold weather, so productive is it and its bearing season so prolonged.

The size of the fruit, when well grown, is from medium to large. Its quality, to my taste, is fairly good, though some object to its slight coppery tang. Like most blackberries, it is a poor shipper, though it does not become soft or deteriorate in quality sooner than the average berry of its kind. No berry has a longer marketing period. In Oregon it is usually in fruit from the 1st of August until late in October. Its bad qualities are that it suckers vigorously, has a trailing habit which makes it hard to stake or train, and its reeds are too large and its cane too firm. The character of the leaves and stems can be seen in the accompanying plate. The evergreen in the name indicates the berry's habit of remaining green throughout the winter.

It has seemed to me ever since I have known the Oregon evergreen that no fruit offered greater inducements to the experimenter as a plant that could be improved by selection and hybridization than this. If its wonderful bearing qualities could be given to a blackberry not having this one's bad characters to a so pronounced degree, or if these objectionable qualities could be dropped by selection, the growing of blackberries, in the west at least, would be revolutionized.

Future For Apples.

At the last meeting of the Massachusetts Horticultural society S. D. Willard of that state said that the prices of apples have been steadily advancing until for several winters they have been held so high as to be beyond the reach of the masses, and good No. 1 apples are a luxury today. They are shipped to all parts of the world as green fruit, canned and evaporated, while the skins and cores are converted into jellies, so that nothing is lost or wasted. A few years ago our surplus of this fruit was marketed in the British isles, while today the German states and Russia are calling loudly for them, with the probability that our newly acquired possessions, both in the Atlantic and Pacific, will soon be numbered among the consumers of this king of all fruits. Seven counties in western New York are said to have received from their apple crop not far from $5,000,000 the past season, while at the same time receiving hundreds of thousands of dollars from their pears, plums, peaches, quinces, cherries, apricots and small fruits. Is not the outlook full of encouragement to the orchard man as well as to the landowner who may have found his work unsatisfactory in fighting competition which will never be less from regions unfitted by soil or climatic conditions for growing fruits that can be produced nowhere else as well as in New York or New England? There should be an increase of area for the production of this fruit on the cheap lands now so abundant throughout this region, accompanied with greater intelligence as to varieties especially adapted to commercial work, and more thorough culture, with the purpose of growing only fruit of the highest quality.

Currants For the Market Garden.

My experience in the currant business in Minneapolis was that the Red Dutch was first. The Stewart Seedling came a little later, and if I was planting more I would plant more of the Red Dutch. There is another currant I raised a good deal of, and that is the Prince Albert. That and the Long Bunch Holland were a good deal alike, and both of them will keep extremely late. In old times the earliest fruit brought the best price on the market, but now the late fruit brings the best price.—William Byons Before Minnesota Horticultural Society.

GALLOWAYS AND AYRSHIRES

Progress of the Two Competing Breeds in Scotland.

During the early part of the century which is now fast drawing to a close the prevalent breed of cattle in the southwest of Scotland was the polled Galloways, writes Gilbert Murray in the London Live Stock Journal. They were bred more or less on every farm. The calves were allowed to suck their dams until ousted by the next comer. They were kept on the farm for the first two years and were then passed on to the occupiers of park land farther south, where they remained for another two years. They were remarkably hardy. Summer and winter they remained in the fields without any artificial shelter. At the age of 3 or 4 years they were purchased by the drovers or cattle dealers, who traveled them south, where they were finished off on the rich grazing land of the midland counties, where they were held in high reputation and were equally popular with the London butchers. In the early thirties a Glasgow butcher in a large way of business obtained a lease of the large stock farm of Auchinsoul, on the Stinchar, South Ayrshire. He it was who introduced the first Shorthorns into the district under the name of Holderness cattle. They did not, however, succeed and soon disappeared. Shortly after the Ayrshires made their appearance. Previously they were chiefly confined to the northern division of the county. Cheesemaking then became more general, and the Ayrshires gradually supplanted the original breed, which are again coming to the front in the shape of crosses, as for feeding purposes the blue gray crosses are superior to all others.

Range Improvement.

Government experiments at Abilene, Kan., have demonstrated the availability of alfalfa, especially oasis alfalfa, sulla, sainfoin, smooth brome, Canada rye grass, Terrell grass and others for use in permanent pastures and meadows; of the vetches, cowpeas, velvet bean, soy bean, teosinte and a large number of varieties of the sorghums and millets for annual or temporary pastures and as sources of coarse forage, either fresh or cured; of saltbush for alkali soils; of the gramas, Canada rye grass, grapevine mesquite, curly mesquite, galleta and needle grass for reseeding the worn-out ranges. They have shown the feasibility of range improvement by resting and scarifying the land and by sowing hardy native and introduced grasses. The farmers and ranchmen are beginning to understand that they can, at comparatively small expense, greatly improve their ranges and by cultivation of the many excellent grasses and forage plants tested this year at the station grounds can add very much to the productive capacity of their ranches and farm pastures. They are beginning to recognize the fact that there are very many native grasses and forage plants that are well worth careful attention and that others of almost, if not quite, equal value are being imported from the semi-arid regions of the old world and can be successfully cultivated here. Many of them propose, during 1900, to test on their own places the different varieties of alfalfa, vetches, sulla, sainfoin, teosinte, saltbush, the saccharine and nonsaccharine sorghums and the best native and foreign grasses.

Live Stock Equipment.

Success in raising stock and especially cattle is influenced largely by equipments. Plenty of barns for storing feed, so as to have it in best possible condition for feeding, also ample shedding to keep cattle dry and comfortable in all kinds of weather, are absolutely necessary.

FRUIT AND FLOWERS

GROWING SOUR CHERRIES.

"Immense Profit and a Certain Market" Is the Present Talk.

"All fruit that grows on the station ground," says Professor Hedrick of Utah, "escaping the hands of students, farmhands, poachers and others is sold. The cherries from 60 trees, occupying about one-tenth of the whole orchard, sell for more than the product of twice the number of trees of any other fruit. We do not have to seek a market; purchasers come and leave orders long before the cherries are ripe. Calls were made for ten times as many cherries as we sold this season. The price obtained was $1 for 18 pounds. This might well have been raised, for the supply about Logan did not nearly reach the demand.

"I do not urge the planting of large orchards of sour cheeries, for I know that the local market would soon be overstocked. But I believe that more money can be made by small landowners with sour cherries at the present time than with any other crop of which I know. Near cities or where facilities offer for shipping to large markets a small orchard of sour cherries could hardly fail to be profitable. A market for the fruit would be certain.

"In the east, more particularly in New York, canning factories purchase considerable quantities of sour cherries. With the impulse fruit growing is now having in Utah it is probable that several canneries will be started in the state soon. In this case, sour cherries can be counted upon as an important factor in the fruit supply. Canners would only need the assurance of an acreage large enough to supply the fruit in sufficient quantities for their use.

"The profits in growing sour cherries are immense. In a mixed orchard, where the majority of the sorts have proved themselves worthless, the half acre of cherries has yet been very profitable. A little over $50 worth of cherries were sold from it this season. Suppose we take an average for this crop of four varieties—Montmorency, Double Natte, Ostheim and Brusseler Braune—that have done best in this and past years. We shall have 92½ per cent, or $5.10 per tree, or $663 per acre, supposing the trees planted 18 by 18 feet apart. Divide this three or four times, and the profits are yet enormous."

Thinning Grape Clusters.

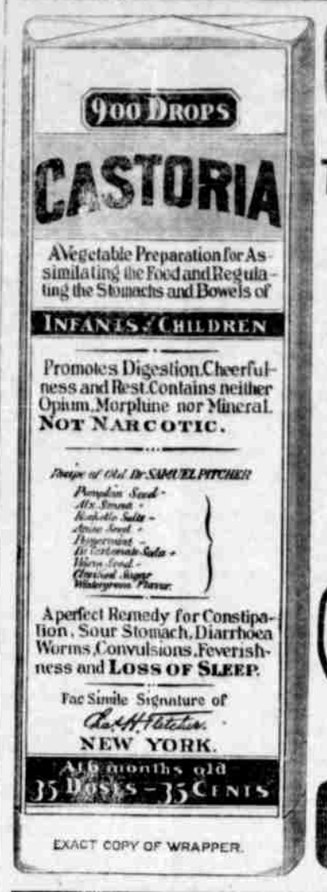
Some kinds of grapes set three and occasionally four bunches to each shoot. All but the two largest should be removed as soon as the grapes are formed. The bunches thus left will ripen earlier and be much better every way than where the vine is allowed to overbear. The Delaware grape is especially liable to set too many clusters, and this is a short jointed variety, which makes the shoots grow closer together. This is why so many Delaware grape vines have mildew on their fruit just at the time the grape is perfecting its seeds. Lack of potash is the cause, but usually if potash is applied most liberally it will only make the Delaware vine set more clusters, so that the thinning will still be needed. The thinning should be delayed until after the blossoming period is past, or it may make so great a rush of sap to the other blossoms that they will be drowned out and fail to set their fruit.

Late Planting of Azaleas.

Although blooming comparatively early in the spring, the blossoming of rhododendrons and azaleas is not disturbed by late spring planting, the plants usually being lifted with compact balls of earth. If carefully planted, they will take hold of the soil at once, says Meehan.

Shelter For Hogs.

Shelter is one of the requisites of the well doing of hogs, for while all other animals of the farm are content to remain exposed to wet or cold, rarely or never taking advantage except in extreme cases of a building when available, the pig invariably selects a nice, warm, dry place to which he resorts in bad weather, and for his sleeping place a bed among the straw stacks or in a snug building, where either of these is available, is always utilized by those pigs which are allowed to roam at large and get most of their living in the yards and fields of the farm, and as this is always the case whatever the breed of the pig may be it is sufficient proof that a dry, comfortable bed and warm, sheltered sty should be provided where it is intended to keep pigs in confinement.



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"Winter colds have always been serious things to me. They are hard and stay for months. But the last was stopped suddenly by MENDEL'S DYNAMIC TABULES. Both cough and cold disappeared in a couple of days. Nothing else does this for me." MRS. EMMA L. ROLLIS, 14 Moss St., San Francisco. Aug. 6, '00.

"I live across the street from where MENDEL'S DYNAMIC TABULES are made. That is how I first took them. They stop colds without notice. I took a dozen boxes with me for self and friends when I went to Nome." H. L. VAN WISKLE, Capitalist, 5017 Washington Street, San Francisco. August 10, 1900.

Sent postpaid for 25 cents in stamps by INLAND DRUG CO., 2934 Washington Street, San Francisco.

For sale at the Pharmacy.

Notice of Final Settlement.

Notice is hereby given that the undersigned, as assignee of the estate of Chas Collins, insolvent, has filed in the Circuit Court of the State of Oregon, for Washington County, his final account, as such assignee, and that said court has appointed Monday, the 18th day of March, 1901, at 10 o'clock in the forenoon of said day, as the time for the final settlement of said estate, and for hearing objections, if any, to said final account, and to the approval thereof.

A. J. FANNO,
Assignee of the estate of Chas. Collins Insolvent. 28-32

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Administrator's Notice.

Notice is hereby given that I, the undersigned, have been appointed administrator of the estate of Thomas Britcher, deceased, by the Hon County Court of the state of Oregon for Washington County, and have duly qualified as such administrator. All persons having claims against said estate are hereby notified to present the same to me at my law office in Hillsboro Oregon with the proper voucher within six months from the date thereof.

Dated Dec 3, 1900.

W. N. BARRETT,
Administrator of the estate of Thomas Britcher, deceased. 29-33

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Notice of Final Settlement.

Notice is hereby given that I, the undersigned, executrix of the estate of Samuel P. Kelley, deceased, have filed my final account as such executrix in the County Court of the State of Oregon, for Washington County and that said court has set Monday, January 7th 1901 at the hour of 10 o'clock a. m. of said day as the time and the County Court room as the place for hearing objections to said account, and the final settlement of said estate.

Dated Dec. 3rd 1900.

REBECCA KELLEY,
executrix of the estate of Samuel P. Kelley, deceased. 29-33

O.R.&N.

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8 p. m.	Ocean Steamships. For San Francisco sails every five days.	4 p. m.
8 p. m. Ex Sundy Saturday 10 p. m	Columbia River To Astoria and way landings	4 p. m. ex. Sundy
6 a. m. Ex Sundy	Willamette Line Oregon City, Newberg, Salem & way-landings.	4:30 p. m ex. Sund
7 a. m. Tuesday Thursday and Satur	Willamette & Yamhill Rivers Oregon City, Dayton and way lan	3:30 p. m Mon Wed and Fri
6 a. m. Tues Thur and Sat.	Willamette River Corvallis and way landings	4:30 p. m Tues Thu and Sat.
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