

25 per cent off

RED CROSS

Included in this sale are some articles in Dry Goods, Shoes, Hats, Winter Underwear for Men and Women, Clothing for Men and Boys. Watch for this Red cross. It means MONEY FOR YOU.

SALE

AT R. B. BRAGG & CO'S.

NOTES ON HORTICULTURE.

Original contributions to this department are solicited by the Glacier from the Hood River fruit growers. Articles and questions may be sent on any phase of the fruit industry. All matter furnished will be properly credited.

THE NURSERY FROM THE STAND-POINT OF THE ORCHARDIST.

Address delivered by Hon. E. L. Smith, president of the state board of horticulturists at the annual meeting of the Northwest Nurserymen's association, Portland, June 3, 1903.

Leading educators hold that the very best teachers should be assigned to the primary grade in order that the young child with receptive and easily-molded mind may receive primarily the wisest direction. Is it not also true that in the young tree, the child of the nursery, in the earliest period of its existence, requires more skillful attention than at any other stage of its growth? It is not within the province of this paper to discuss the technical methods of the nurseryman. Indeed, it is a matter of little concern to the average orchardist how his tree is grown provided proper results have been attained.

Given for a tree, say one year old, a stocky trunk, with large well-balanced roots, and he will waive all questions as to whether it was budded or grafted on root or seedling. He abhors a tall spindling tree with pipe-stem body, with a bunch of small fibrous roots that will not survive transplanting.

Now, while the orchardist may be somewhat indifferent to the manner of growth of his tree, he is beginning to be quite concerned as to the quality of the fruit or clan that has been used. He has been informed that it is a common practice to cut grafting wood from the nursery rows, and an opinion has been advanced that while this may promote a woody growth, it delays fruitfulness, and that at other times he takes extra pains to select the best quality of wood for grafting. The confusion of varieties in the orchard trees with varying qualities of vigor, health and fruit-productiveness, and thereby transmitting like conditions to the next tree generation.

These methods seem to him faulty and he would like to see the nurseryman co-operating with the orchardist in securing his cuttings from trees that are the pride of the orchard, trees of perfect health and growth and years of money-making records.

The orchardist is finding out from sad experience that trees low in price are very dear in the end; and I know of one at least that sincerely wishes that no seconds or culls, at from 4 to 5 cents each, should ever be thrown on the market, but should be converted into potash and lime for the benefit of the next tree generation. If we breed from the poorest, no matter whether from flock, herd or nursery, the result is ever deplorable.

Indeed, I would like to see this association establish a standard of growth for No. 1 trees, with points of excellence for root and branch and a reasonable, uniform price for the same. But I implore you, gentlemen, to save us from new varieties at a dollar each, described in such glowing colors that we cannot help buying them.

Just think of the Delaware Red Winter served up in great style as the Lawver; and our horticultural papers are full of florid descriptions of the Missing Link apple, and hundreds of accounts of selling them through the country at an extravagant price. Professor Van De-man writes that if we miss this Missing Link we won't miss much; and Colonel Brackett, our chief of pomology at Washington, after giving it a critical examination, cannot detect any difference between this much advertised Link and the good old unassuming Willow Twig.

More than 4,000 varieties of the apple have been catalogued, and I venture the assertion that at least one-half of these varieties, once stars of the first magnitude, no longer shed their light in the horticultural world. They have ceased to exist.

I invite you, gentlemen, to name any variety that has originated within your recollection, yes, within the last 100 years, equal in value to others that anti-date that period. We should of course investigate new varieties; for all new varieties, at one time, but please do not sell us too many of them, for when they come into bearing we usually have to work them over to something older and better, and this involves delay and expense.

I now approach, with no little timidity, one of the mystical problems of orcharding, and we earnestly solicit your co-operation in solving this mystery, and that is the tendency of nursery trees to revert or change to other varieties after transplanting to the orchard. For example, in the southeast corner of my orchard stands a Jonathan tree, the solitary representative of an order for 200 trees of this variety; the other 199 having changed to a Ben Davis quality of apple called Russian Red.

Now, if the Jonathan had originated in the land of the czar, we might have assumed that it had reverted to some original Russian type; but the Jonathan is a good old apple of Yankee origin and name and knows nothing about designs on Manchurian or Semitic trouble. Neither can I account, for my Stark trees bearing little red Winesaps, or a lot of Black Twigs producing Kings, and a second order of same variety from a different nursery insisting on growing Golden Sweets, Arkansas Blacks, and other kinds whose presence in my orchard was never invited. Is the soil, climate, or some freak of nature that causes all these transformations? I am certain that reputable nurserymen would not knowingly send out trees under an alias, or when he is out of a variety ordered, substitute a different one. Let us lay it to the referendum.

There are certain valuable varieties, such as the Newtown Pippin, Esopus and others, constitutionally weak, lacking in hardiness, and consequently susceptible to disease. Is it chimerical to suggest that new blood can be infused into the most valuable varieties and hardiness increased? Plants as well as animals yield to persistent selection, and here is a most valuable work for the nurseryman and orchardist.

The state board of horticulture endeavors to inspect all importations of nursery stock and has condemned and burned entire carloads of diseased and badly-infested trees, and it is gratifying to note that this summary action has had the effect of greatly improving foreign shipments.

Oregon is especially adapted for growing strong, healthy trees, and there is scant reason for buying them elsewhere. The confusion of varieties in the orchard trees has probably resulted from the careless methods of some growers who sell to large concerns, and there is little complaint from the nurseryman, the writer thanks the officers of this association for the invitation to be present and share in its proceedings, and he trusts that any seeming criticism will be received in the same friendly spirit that it was written. He is fully aware that his own class, the orchardist, is not invulnerable to attack, and he admits that he has never detected one endeavoring to conceal his best fruit in the center of the box. This, however, is not the orchardist's day in court.

We are glad that this association has been formed and believe it will be of great value to its members. Whatever tends to better growth and more exact methods in the nursery will also tend to improve and enhance the value of our orchards.

Are Taking Better Care of Orchards. The Rural Northwest publishes the reports of the district fruit commissioners, from which we take the following from the report of Commissioner Weber of the fourth district:

During the last summer I visited a great many of the fruit growers within my district and found that most of them are giving more attention to their orchards than has been the case heretofore. This can be accounted for by the fact that growers generally begin to realize that with thorough work in all branches of the business, such as cultivation, pruning, spraying, they produce a better quality of fruit and consequently obtain better prices than when only indifferent care is bestowed upon their orchards.

Generally, the crops of all the leading fruits were above the average of the past few years. The percentage of the apple crop was not as high as last season, but the increased number of young orchards coming into bearing will fully bring the production of this, the favorite of all fruits, up to what it was last season in this district. Prices are falling considerably higher on apples now than was the case at this time last year. They now range from \$1 per box for Ben Davis to \$2.25 for Yellow Newtown and Spitzenburgs. A big mistake was made by those who sold early, as prices have steadily advanced until they are at a point seldom reached at this time of the year.

Pears were a bountiful crop this year, and good prices were realized for most of them. The fruit marketed was of superior quality. The price of cherries ruled very high this year, this in a measure retreating what was lost in quantity, the crop being short with the exception of Black Republican.

Plums and prunes produced a full crop, though, owing to the excessive heat and long, dry summer, some of them did not attain their usual size. Some of the plums and prunes (fresh) shipped from The Dalles went to London, where they brought fancy prices. Italians and Silvers are most in demand there. Prices on plums and fresh prunes ruled considerably higher than last year, as well as giving a larger crop. In addition to heavy shipments of fresh prunes, several hundred tons were sold to dryers at good prices. The dry hill lands of Eastern Oregon produce fruit of unsurpassed shipping quality.

Strawberries were produced in quantities unheard of before in this district. The number of crates of this luscious fruit put on the market from this district amounted to about 120,000, of which Hood River alone produced over 100,000. A little fortune, amounting to about \$175,000, was realized by the growers of this district for this crop alone.

The grape crop is probably heavier this year than ever before, and while fair prices were obtained for those marketed, tons are going to waste. The European varieties, mostly grown in this district, mature perfectly and are of splendid quality.

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I have for some time been engaged in endeavoring to interest capital in the establishment of a large fruit dryer, cannery and cold storage plant at The Dalles. Though not all the necessary stock is yet subscribed, I have very assuredly that by January 1, 1904, a company to further the above project will be formed and incorporated ready to handle next season's crop.

Large plantings will be made this fall and next spring of apples, cherries and peaches, as a great many people are realizing each year that fruit growing is easier and more profitable than other lines of farming.

At the ruling prices this year the fruit growers of the district will realize over half a million dollars for the season's crop.

Storing Apples in Yakima. Rural Northwest.

Rev. F. Walden, one of the best known and most successful fruit growers of the Yakima valley, describes in the Ranch his method of keeping apples. An old Willamette valley method is to make a pen with rails, cover the bottom with straw, put in a lot of apples then another layer of straw, etc., until the pen is full. The apples are protected by straw next the rails also. Mr. Walden's method is a safer one for districts subject to severe freezing and also has an advantage in allowing the dirt to be readily taken in sections.

"I do not put my apples in cellars—they are too warm. It must be remembered that apples to keep well must be kept cool. A temperature of 32 to 35 is about right. But we cannot control the temperature except in a cold storage plant, and even then only with extra care. My method is as follows: I dig down into the ground about one space length and about seven feet wide. The length may be anywhere from a few feet to several hundred, according as the demands require. Into this trench I put a coat of good clean straw three or four inches thick. Then I pour down the apples and make a rick of them just as high as I can without the apples running over the sides. I cover this rick with straw the same thickness as under them. Next I cut boards six feet in length and fasten them together by using fence boards as strips. They are made up in sections 10 or 12 feet long.

"These boards are placed over the apples so prepared as to support themselves. They are not allowed to rest on the apples, but come close to them. These boards are covered with dirt three or four inches thick. The ends may be left open till quite cold weather is threatened and then closed up. Apples put up in this way will keep with less loss than when put up in any other way except cold storage. These ricks can be opened, and the apples taken out and hauled to the packing cellar. Nothing but perfectly sound apples should be put away in this manner."

A splendid argument for the Apple Growers' union is offered by the returns Henry Avery received on 197 boxes of

WE DO

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neatly and promptly. Our office is fully equipped with latest styles of type and up-to-date material. We carry a full line of printers' stationery, and can fill your order for a visiting card or a full-page color poster. Have your stationery printed by E. R. BRADLEY.

Jonathans. Mr. Avery had arranged to sell outside the union, but was later persuaded by Manager Wilson to help fill out a carload shipment for New York. When the returns came in, Mr. Avery was \$56.98 ahead of the sum his apples would have brought outside the union. The producer reaped the benefit of the apple seller's profit.

Biggest Apples Chicago Ever Saw. It will be remembered that two weeks ago the Glacier made mention of George D. Culbertson & Co. forwarding to Chicago some handsome apples grown by August Pansch of the East Side. The following letter indicates something of the impression these mammoth apples made on the people of the "windy city":

Chicago, Ill., Oct. 28, 1903.—Geo. D. Culbertson & Co., Hood River, Ore.—Dear Sir: I have your favor of October 25 and beg to acknowledge receipt of two boxes of apples which you sent me, and must say that they are excellent. I now have them put up in our exhibit and they beat anything that ever came to Chicago, and a large number of people are coming in to see them every day. I would indeed be very glad to have you send me another sample like this, with more apples if possible, as I would like to make a good exhibit at the Fat Stock show here the last of next month. Very truly yours, G. M. McKINNEY, Immigration Agent.

Many Inquiries About Hood River. There was a large Westward movement of settlers during the summer just passed, but from the many letters of inquiry arriving daily at the Glacier office it is evident next year's immigration to Oregon will be a record breaker. The advertising pamphlets and literature circulated in the East by the O. R. & N. have done excellent service. Following is a sample of the weekly gist of letters received by the Glacier:

Miami, Indian Territory.—Please send me any information that you can in regard to Hood River, etc.; also Oregon; and what chances a young man has there, and he can get employment, and what would be able to do so soon as he got there—a man that is willing. CHAS. W. PARKER.

171 LaSalle St., Chicago, Ill.—Will you kindly furnish me with information in regard to the Hood River country. I am thinking some of locating somewhere in that vicinity next spring and whatever reading matter you may have, such as booklets or pamphlets describing and telling the true conditions of things will be appreciated. ROY C. LOCKES.

167 Penn. ave., Aurora, Ill.—Please send me your paper for one month. I am thinking of locating in Oregon in the near future and would like to know something of the country and people of your section of Oregon. Send bill and I will remit. J. F. BROWN.

Oregon City, Or.—Please send me copy of a late issue of your paper. J. B. FINLEY.

Woodburn, Or.—I enclose 10 cents in stamps, for which send two numbers of your paper, the ones that announce the date of the Hood River fair. G. H. ROBBINS.

1247 E. George St., Chicago, Ill.—I have become interested in your locality and would like a sample copy of your paper. GEORGE LONG.

85 Day St., Orange, N. J.—Please send your paper next issue and advertising rates. WALTER H. BRAY.

819 Third ave. N., Minneapolis, Minn.—Inclosed please find postage for a copy of your paper and oblige. F. McDONOUGH.

Clarksville, Tenn.—I hear some remarkable tales about the fruit-growing interests of your section of country and would like to hear more of same. Will you please advise price of subscription to your weekly edition, or send sample copy so that I can find out amount and so remit. F. W. HUMPHREYS.

Troy, O.—I have some real estate situated in Troy, O., which I wish to trade for real estate in or near Hood River. What will a small ad cost per month in the Glacier? JOHN W. SULLING.

181 E. Fourth St., St. Paul, Minn.—Kindly send me a copy of your Sunday or weekly paper, and quote prices for daily and weekly subscription for 3 or 4 months. G. A. RISSEN.

Antigo, Wis.—Inclosed find draft for \$1.50 to pay for a year's subscription to your paper. W. J. HAMMOND.

Portland Sanitarium, Mount Tabor, Or.—Inclosed please find 50 cents, for which send me the Hood River Glacier. So many of the nurses and patients are interested in Hood River that I wish the paper not only for my own pleasure but for others to read. Mrs. NANNIE NASMYTHE.

McKenzie, Tenn.—Please send me a copy of current issue of the Glacier. JESSE M. FULLHAM.

Prairie City, Or.—I write to get a little information about your section of the country. I would like to get reading matter on the growing of strawberries and the possible profits from them. Also, the relative price of land in the Hood River valley. I am thinking some of coming there in the spring and would like to get what information I can about your town and valley. Would like a copy of your paper. H. S. BROWSTON.

Readon, Wash.—Inclosed find stamp for a copy of the Glacier. I have heard so much about your paper and would like a copy. Mrs. M. E. GRAY.

Penawawa, Wash.—Please send to my address sample copy of the Glacier: G. W. SMITH.

Boise, Idaho.—Postmaster, Hood River: Kindly send me a few copies of your local paper. I am thinking of locating in your section and would appreciate any information you can assist me to. W. T. CASH, R.F.D., No. 2.

121 Wisconsin St., Milwaukee, Wis.—Kindly send me copy of your paper, for which I send stamps. Have any of your Hood River real estate men a published list of properties for sale on the Oregon or Washington side of the Columbia? Would it be troubling too much to have one sent me? W. W. LAYSON.

Only Makes a Bad Matter Worse. Perhaps you have never thought of it, but the fact must be apparent to every one, that constipation is caused by a lack of water in the system, and the use of drastic cathartics like the old-fashioned pills only makes a bad matter worse. Chamberlain's Stomach and Liver Tablets are much more mild and gentle in their effect, and when the proper dose is taken their action is so natural that one can hardly realize it is the effect of a medicine. Try a 25 cent bottle of them. For sale by all druggists.

Pleasant to Take. The finest quality of granulated loaf sugar is used in the manufacture of Chamberlain's Cough Remedy, and the flavor similar to maple syrup, making it quite pleasant to take. W. L. Roderick of Poolesville, Md., in speaking of this remedy says: "I have used Chamberlain's Cough Remedy with my children for several years and can truthfully say it is the best preparation of the kind I know of. The children like to take it and it has no injurious after effect. For sale by all druggists."

Ladies' Soreness gloves at Knapp's.

To the People of Hood River:

Our stock of FANCY and STAPLE GROCERIES, Gents' FURNISHING GOODS, etc., etc., is now very COMPLETE. These goods are ALL NEW, and have been CAREFULLY selected in order that we might give each customer BEST POSSIBLE VALUE for the price charged.

Hoping to MERIT a share of your PATRONAGE, we are,

Yours truly,

MT. HOOD LBR CO.

PHONE 51.

No. 2



STUMP PULLERS.

We carry a complete stock of W. Smith Grinding Machines, wire cable, rope shortens, blocks, root hooks, etc., for which we are general agents for Oregon and Washington. Write for catalogues.

SEXTON & WALTHER,

ONLY exclusive Hardware Store in THE DALLES, OR.

Rheumatism Positively Cured. Oil of Eden Sweet Spirits of Eden.

Chronic cases invariably cured, and CURED PERMANENTLY. For Sale by G. E. WILLIAMS, Agent for Hood River.

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Ladies' Soreness gloves at Knapp's.

Oregon Nursery Co.

For first-class, whole-root and budded trees, send your order to the old reliable Oregon Nursery Co., at Salem, Oregon. We have yet for sale a few more thousand Blue-Jane, New-Town Pippin, Spitzenburgs, and a full line of all other varieties of apple and general nursery stock. Now is the time to place your order, before all the best trees are sold.

C. T. RAWSON.

F. H. STANTON

HOOD RIVER NURSERY.

Stock Grown on Full Roots.

We desire to let our friends and patrons know that for the fall planting we will have and can supply in any number

Cherry, Pear, Apricot, Peach & Plum Trees

GRAPES, CURRANTS, BERRY PLANTS,

Shade and Ornamental Trees.

Also, all the standard varieties of apple trees. Can supply the trade with plenty of Newtown, Spitzenberg and Jonathan apple trees.

RAWSON & STANTON, Hood River, Or.

OVER

Five Carloads of Furniture Sold Since the Beginning of this Year.

ALMOST ONE CAR LOAD PER MONTH.

This may seem like a fairy tale or a fish story, but it is nevertheless true. We are not inclined to boast through the columns of the paper, but to keep abreast with the times we are justified in stating facts. Come to think about it, there is not so very much furniture in a car load—\$1200 or \$1500 worth—and sold on a close margin it is not a big thing, nor would we try to deceive any one. Every week word comes to us that our prices are below Portland prices. Glad to show you our full stock at any time. Dealer in

Doors and Windows. All Kinds Building Material.

UNDERTAKER AND EMBALMER. S. E. BARTMESS.

Watches and Jewelry.

As I have worked at my trade for 18 years, I can turn out the finest work in watch repairing and adjusting in eight positions. Jewelry repairing of all kinds.

Test Your Eyes. Fit them with the best White Pebble Ground Center Lenses, steel frames, for \$1.00. Solid gold nose and tips, \$3.50, regular Chicago prices. Warranted to give easy fit and to improve your eyes.

C. H. TEMPLE.

When You Come to Town

Do not fail to call and see us and give us a chance to fill your order. We quote Flour in not less than barrel lots at warehouse:

Dalles Patent, per bbl., \$4.50 White River, per bbl., \$4.25 Dalles Straight, \$3.55.

Feed at warehouse in not less than half-ton lots:

Rolls barley, per ton, \$24.50 Shorts, per ton, \$22.50 Oats, per ton, 25.00 Bran and Shorts, 22.00

Bran, per ton, \$21.50.

Yours truly,

BONE & McDONALD

America's BEST Republican Paper. The Weekly Inter Ocean.

52 twelve-page papers \$1 a year. The Inter Ocean and Glacier one year for \$1.90.