

PRACTICAL FACTS OF HOP RAISING

Details of the Cost of Putting Out a Twenty Acre Field

Average Price for the Past Ten Years Far Below Present Fancy Figures for Hops

The best land for growing hops is found in the alluvial bottoms along the streams, especially where it has natural drainage. There are also red and gray lands that are very good, and a great deal of the hop acreage in Oregon is on the black prairie loam. Any good hop land will produce 1500 pounds to the acre. With good cultivation this can be increased to 2000 and even 2200 pounds to the acre. The first plowing in setting out a hop land is generally plowed in the spring, while higher ground can be plowed in the fall.

Cost of Making a Crop.

There are various estimates as to what it costs to make a full crop of hops in Oregon. These estimates range from 6 to 8 cents per pound. Of course it depends a great deal on how much work the grower performs himself, or on how he proceeds to have the work done. Present high price for picking, 50 cents a box, makes the crop more expensive than formerly. The first picking, or what is known as the baby crop generally sells for 2 cents a pound less than hops from mature vines. A baby crop planted any time from November to March produces about 500 pounds to the acre.

This is an important part of the work of making a good crop. Above all, don't allow yourself to get behind in training the young vines. If there are three or four in the family they can easily train 20 acres of hops if they are forehanded about the work. Training is done from April 1 to July 1, and, to make a first rate crop, you must go over the plantation several times. It pays to put the little vines up to the stakes as soon as they reach out. Keep off the suckers.

Expense of Planting.

Hop growers generally grub their own plants and thus secure hop roots for new plantations. Hop roots cost from \$2.50 to \$5.00 per thousand according to the demand. It is quite common to allow people who want plants to grub the yard for the roots, but the owner had better look after it, and see that the work is carefully done. The new plantings are set out eight feet apart each way, or 680 plants to the acre. If they are set out 7½ feet each way it takes 784 plants to the acre. It is very important that

the plants be set out exactly the same distance each way. Planting is usually done by stretching a wire that has a metal tag marking the distance between the plants. It costs about \$2.50 per acre to mark the ground and set out the plants.

Stakes and Wires.

If the yard is staked, strings are stretched in four directions. The string only lasts one year and cotton twine at 50 cents a pound is considered the cheapest. Stakes last from three to five years. Where a yard is wired heavy posts are set at the end of the rows and at distances between. Wire costs more to put up and lasts longer. Where wire is used it costs less for twining the hops than it does in a staked yard.

Cost of the Baby Crop.

Following estimates are made by Mr. John Hackett of this city as to the expense of putting in 20 acres of hops on cleared land. The estimate in each case is made per acre, so that multiplying the total of these figures would give cost of making a baby crop.

Plowing	\$1 50
Dragging	25
Marking and planting	2 50
Stakes, 680	7 80
Twine—No. 8 cotton	1 50
Twining	50
Plants at present price	3 40
Cultivating, an acre	1 50

Cost of Hop House.

What is called a 30 foot hop house and dryer can be constructed for \$700. This will take care of a crop from 20 to 25 acres. There are other expenses for clearing the yard and getting it ready for next year's crop. There are times in the year when sheep can be run to advantage in the hop yard. That is when the vines are up on the cross wires and the sheep clip off the undergrowth. As a general thing, stock is injurious to a hop yard. The successful hop grower must be forehanded. He must not get behind in any branch of the work, especially he must avoid getting behind in cultivation, or letting weeds get the start of him. In many localities of Oregon he can provide his own fuel and poles, thus effecting a great saving. There are other details of the crop that would take an entire article to describe, such as picking,

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Has won success far beyond the effect of advertising only.

The secret of its wonderful popularity is explained by its unapproachable Merit.

Based upon a prescription which cured people considered incurable, Hood's Sarsaparilla unites the best-known vegetable remedies, by such a combination, proportion and process as to have curative power peculiar to itself.

Its cures of scrofula, eczema, psoriasis, and every kind of humor, as well as catarrh and rheumatism—prove

Hood's Sarsaparilla

the best blood purifier ever produced. Its cures of dyspepsia, loss of appetite and that tired feeling make it the greatest stomach tonic and strength-restorer the world has ever known.

Hood's Sarsaparilla is a thoroughly good medicine. Begin to take it TODAY. Get HOOD'S.

drying, bleaching, baling and marketing. The past year, hops have been bringing an unusually high price, many selling at 30 cents a pound, and large quantities being held at present for an advance to 40 cents a pound, which the bulls in the market believe will be materialized. For several years, enormous profits have been made in Oregon hops, but no one should gauge the industry by the unusual prices that have prevailed. A very large acreage has been put out all over Western Oregon, and it is the general opinion that the next few years will see over production and a consequent fall in price. An average of price for the past 10 years would show that 12 cents a pound is a fair market value, and this would leave a profit of 50 to 100 per cent to the grower. It takes about \$100 an acre of capital in ready cash any year to make the crop. The product of many Oregon hop yards is contracted for a number of years to come at 16 cents per pound. It is estimated that about three-fifths of all the hops produced in the United States are grown within 25 miles of this city. It is believed by experienced men that no country in the world can compete with Western Oregon in this industry, either as to the quality of the product, the quantity produced per acre or in cheapness of production.

There is more Catarrh in this section of the country than all other diseases put together, and until the last few years was supposed to be incurable. For a great many years doctors pronounced it a local disease and prescribed local remedies, and by constantly failing to cure with local treatment, pronounced it incurable. Science has proven Catarrh to be a constitutional disease and therefore requires constitutional treatment. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, is the only constitutional cure on the market. It is taken internally in doses from 10 drops to a teaspoonful. It acts directly on the blood and mucous surfaces of the system. They offer one hundred dollars for any case it fails to cure. Send for circulars and testimonials.

Address: F. J. CHENEY & Co., Toledo, Ohio.
Sold by Druggists, 75c.
Take Hall's Family Pills for constipation.

Fruit Grower Ill.

P. S. Frost, a fruit grower on the Wallace road, has been quite ill for some time. He is confined to the house with a very bad foot, attended by three physicians who are working hard to save the necessity for an amputation. Mr. Frost is well known in Salem and would be glad to have his friends call on him.

Sure Cure for Piles.

Itching piles produce moisture and cause itching, this form, as well as Bleeding or Protruding Piles are cured by Dr. Bo-sank's Pile Remedy Stops itching and bleeding. Absorbs tumors. 50c a jar at drug-gist, or sent by mail. Treaties free. Write me about your case. Dr. Bo-sank, Phila., Pa.

For sale by Dr. S. C. Stone, druggist.

Dissolution of Partnership.

Notice is hereby given to the public that the co-partnership between E. L. Irvin and M. C. Pettys, under the firm name of Irvin & Pettys, has this day been mutually dissolved. All bills heretofore contracted by the firm of Irvin & Pettys will be settled by their successors, and all accounts due the old firm are payable to E. L. Irvin & Co.

Dated this 23d day of February, 1905.

E. L. IRVIN,
M. C. PETTEYS.

The Best Known of All
Every one knows that it is the best known of all brands, and all smokers know that it is the best quality. The La Corona cigar.

SUNDAY SERVICES

St. Joseph's Catholic.

Cottage and Chemeketa streets.
First mass at 7 a. m. Sunday school at 9 a. m. High mass at 10 a. m. Vesper at 7:30 p. m.

Central Congressional.

Sunday school, 10 a. m.; Endeavor meeting, 6:30 p. m. Church services, 11 a. m. and 7:30 p. m. P. S. Knight in charge.

W. C. T. U.

Anna Newell, of the Friends church, and state evangelist of the W. C. T. U., will speak in the W. C. T. U. hall Sunday, February 26, at 4 p. m. Miss Newell is from London, England.

Unitarian Church.

Frank A. Powell, pastor. Sunday school at 10 a. m. Mr. Powell will speak at 11 a. m. on "Prayer," and at 7:30 p. m. on "Self Culture." Starr King Fraternity meets at 6:30 p. m. Subject, "Character." All welcome.

Christian Science.

First Church of Christ, Scientist. Lesson sermon and children's classes at 11 a. m. Subject of lesson sermon, "Man." Wednesday evening meeting at 7:30 p. m. Reading room open daily except Sunday. Christian Science hall, corner of Court and Liberty streets.

Christian Science.

Second Church of Christ, Scientist, 140 Chemeketa street. Services Sunday at 10:30 a. m. and 7:30 p. m. Subject of lesson sermon, "Man." Sunday school at 11:45 a. m. Wednesday evening testimonial meeting at 7:30 o'clock. Reading room in the church open each afternoon except Sunday. All are cordially invited.

Card of Thanks.

We wish to extend our heartfelt thanks to the many warm friends for the kindnesses extended to us in our bereavement. Mrs. M. T. Rineman and family.

For a Time

Constipation and indigestion may give rise to nothing more serious than a distressed feeling or discomfort due to an overworked or impoverished condition of the Digestive Organs. A dose or two of

Beecham's Pills

will easily put this right, but if neglected what a burden of illness may be the consequence.
Sold Everywhere. In boxes 10c. and 25c.

OREGON'S EXPOSITION

Is described in
SUNSET MAGAZINE

March Number

Has a finely illustrated article on the Great Centennial—just the thing to send east. Many new articles, some good stories, clever verses and interesting miscellany. Vigorous work by entertaining writers.

SOLD by all NEWSDEALERS

Woven Wire Fencing

American, Page and Elwood fences are the heaviest and best. Prices lower than any other fences of same weight. Barb wire, plain wire, fence posts and shingles. Call and get prices, or write for particulars and prices.

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Cafe Imperial

H. E. SYMES, Prop.
The Only Firstclass Eating Place in the city.

Legislators and all will receive courteous attention. French dinners and oysters any style. Come and see.

The Cause of Many Sudden Deaths.

There is a disease prevailing in this country most dangerous because so deceptive. Many sudden deaths are caused by it—heart disease, pneumonia, heart failure or apoplexy are often the result of kidney disease. If kidney trouble is allowed to advance the kidney will attack the vital organs, causing catarrh of the bladder, or the kidneys themselves break down and waste away cell by cell. Bladder troubles almost always result from a derangement of the kidneys and a cure is obtained quickest by a proper treatment of the kidneys. If you are feeling badly you can make no mistake by taking Dr. Kilmer's Swamp-Root, the great kidney, liver and bladder remedy. It corrects inability to hold urine and scalding pain in passing it, and overcomes that unpleasant necessity of being compelled to go often through the day, and to get up many times during the night. The mild and the extraordinary effect of Swamp-Root is soon realized. It stands the highest for its wonderful cures of the most distressing cases.

Swamp-Root is pleasant to take and is sold by all druggists in fifty-cent and one-dollar size bottles. You may have a sample bottle of this wonderful new discovery and a book that tells all about it, both sent free by mail. Address, Dr. Kilmer & Co., Binghamton, N. Y. When writing mention reading this generous offer in this paper. Don't make any mistake, but remember the name, Swamp-Root, Dr. Kilmer's Swamp-Root, and the address, Binghamton, N. Y., on every bottle.



If it comes from our grocery store. The best quality of everything is carried in stock—from the cheapest that is good to the best that money can buy.

We can especially recommend the butter that we are selling for 70c, or the cheese for 20c, to please the inner man. Why not try them?

Harritt & Lawrence



Before your time. Proper care of your stomach and diet will keep your health good. In this particular the Wild Rose flour is a known enemy of dyspepsia, as it makes the best of good, white, sweet, nutritious bread—it is the housewife's favorite.

Salem Flouring Mills

Winter Is Not Over

We will probably have some cold weather yet and you will need a heating stove. We have cut prices on every heating stove in the house. Call and examine them.

R. M. Wade & Co.

Salem State Bank

Capital \$50,000

Transacts a general banking business, accounts of corporations, firms and individuals received subject to check. Foreign and domestic exchange bought and sold.

The Salem State Bank solicits a share of your business upon the basis of sound and progressive banking, liberal and accurate treatment.

We invite a personal call, when practical, from those seeking banking connections.

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In purity, smoothness, mellowness or richness of flavor the distillers of the Cedar Brook whiskey will if we call on them. No one should be without a bottle of this choice whiskey in the house as a preventive of grip, pneumonia and other maladies coming from colds. A little Cedar Brook whiskey will warm the blood, stop or prevent chills and cure colds like a charm.

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Choice piece residence property on principal street within three blocks business part of city. Nice large, modern home, about one acre of ground near school and car line, all kinds of fruit, beautiful shrubbery, etc. All modern conveniences.

These are both extra choice buys for homes or investments.

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Tribune Chainless



I have some bargains while they last in new chainless wheels, just received, previous years' models, same as the late models, save a changed frame line or two. Call and investigate. Nothing better for your money.



And here's the smoothest little racer on the trail. It's "Tribune" all over. Get in line and own one, and you'll say so too.

Plenty of regular road models now for all corners. The same good features that make the Tribune famous. Perfect bearings, easy running, long life and satisfaction. Sundries for everyone.

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