

PORTLAND BUSINESS DIRECTORY

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PORTLAND NON SKID

FIBER SOLES and RUBBER HEELS

DO NOT SLIP—Wear Longer Than The Average.

PORTLAND RUBBER MILLS

VALAIR CONSERVATORY

For Music, Dramatic Art, Languages.

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FRANK (Viola) Member of Extension Faculty of the University of Oregon. Studio Suite, Columbia Building.

EICHENLAUB BEATRICE (Piano) Authorized Representative of Xavier Scharwenka. From Beginning to Concert Appearance. West Park and Washington Street.

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Optometrist & Optician

Sweetland Building Rooms 403-404-405

Fifth and Washington Portland, Oregon

Edith I. Phillips, Optometrist and Optician

450-451 Pittcock Block Washington at West Park

Phone Broadway 1306 Portland, Oregon.

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Rooms \$1 per day and up. Special monthly rates. Out-of-town visitors made to feel at home. Southern Pacific electric train depot in same building. J. W. BUSHONG, Manager. 285 Alder St., cor. 4th. - PORTLAND, ORE.

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AMERICAN and CHINESE DISHES. Service at all hours. Music and Dancing. Meet your friends here and enjoy your stay in Portland. Upstairs, corner Broadway and Washington Sts.

F. FRIEDLANDER CO., Jewelers. ESTABLISHED 1879

Expert Watch and Jewelry Repairing. Mail Orders Given Immediate Attention. 310 Washington Between 5th and 6th Sts. PORTLAND, OREGON

'L' Cafeteria

BEST PLACE IN TOWN TO EAT

We especially invite out-of-town visitors to give us a trial. We will make you feel at home. Sixth and Alder Streets. PORTLAND, ORE.

Orpheum

AI HEILIG THEATER THE BEST OF VAUDEVILLE Presenting at all times the Biggest American and European Novelties. Every SUN., MON., TUES., WED. Mat. Daily, 10c to 50c. Nights, 10c to \$1.00

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Surprisingly high Mileage. Live responsible dealers. Write for exclusive territories. STANDARD TIRE & AUTO SUPPLY CO., 84 5th St., Portland, Ore.

We Will Rent You an Auto and You Drive It Yourself.

REASONABLE RATES. Also general garage business. 86 Tenth St., near Stark.

City Garage FEARING & ROBERT

DYEING, CLEANING BROADWAY, DYE & CLEANING WORKS. 200 Broadway, Portland, Ore.

AUTO Parts The House of Parts and Accessories for Autos. We will send you Parcel Post anything you may want for the Auto if it can be secured in the city. LONG & SILVA, 462 Hawthorne, Portland, Oregon

COLUMBIA RIVER SMELTS

The Dipnet Smelts are in. See our daily quotations on fresh smelts in the Portland Journal under Town and Country. Frozen, 6c by express in 20-lb. boxes and over. Smoked and Kipperd, 20c per lb. We handle everything in fresh, frozen, smoked, salt, and kippered fish. NORTHWEST FISH CO., Producers & Distributors, 209 Yamhill St., Portland, Oregon.

BROOMS Keep the Northwest Prosperous by using Northwestern Made Goods. ZAN BROS., Inc.

Wallpaper

Our GREAT CLEARANCE SALE is going at FULL BAST. Clean up on broken lines at one-half prices. A good opportunity missed if you fail to investigate. Paints, oils, varnishes at wholesale prices. Write for free samples and color cards. Miller Paint & Wallpaper Co., 172 1st, Portland.

You Will Feel Right at Home. Beautifully Furnished Rooms.

Safe Central \$1.00 Without Bath, \$1.50 With Bath

Weekly Rates Monthly Rates

NORTONIA HOTEL

11th and Stark, PORTLAND, ORE.

Excellent Cafe and Roof Garden

See the IZARD Generator

making pure Gas from Coal Oil. Fits any stove or range. Has no equal for cooking, heating, furnaces, etc. Easy to operate. No dirt, soot or odor. AGENTS WANTED IZARD GAS HEATING CO., 244 Washington St., Portland, Oregon

We Pay Cash for CREAM, EGGS, POULTRY, VEAL and HOGS.

Write for Prices and Tags. HAZELWOOD CO., Front and Ankeny Sts.

De Laval Separators

Everything for the Dairy, Creamery and Cheese Factory.

Distributors of JAMES BARN EQUIPMENT ACME FEED CUTTERS ALPHA GAS ENGINES EMPIRE MILKING MACHINES

Write for prices or information. COLUMBIA DAIRY SUPPLY CO., 92-94 Front St., Portland, Oregon

Stop at The Portland Hotel when in Portland. Rates 10c up City. In the heart of the city. Richard W. Phillips, Prop.

Make more Money Pull big stumps by hand

Clear your stump land cheaply—no digging, no expense for teams and powder. One man with a K can rip out any stump that can be pulled with the best inch steel cable.

Works by leverage—same principle as a jack. 100 pound pull on the lever gives a 48-ton pull on the stump. Made of the best steel—guaranteed against breakage. Endorsed by U. S. Government experts.

K Stump Puller

Write today for special offer and free booklet on Land Clearing.

Walter J. Fitzpatrick Box C 182 Fifth Street San Francisco California

BEEMAN GARDEN TRACTOR and Walking Engine \$285.00 at the factory

Perfect After Years of Testing and Improving.

A One Horse Motor Cultivator and an All Purpose H. P. Power Plant that Goes from Job to Job on its Own Power.

WENTWORTH & IRWIN, INC

Second Street at Taylor PORTLAND, OREGON

When You Want to Buy a Diamond

buy it from a reputable store. Jaeger Bros. are known as the leading diamond experts of Portland. See their Special \$100.00 Diamond.

JAEGER BROS., (Oregon) 131-3 5th St., Building Portland, Ore.

MR. BUSINESS MAN

Are you wanting to sell. We have buyers for general stores, groceries, confectionery, cigars, restaurants, etc. Send me description.

F. RIERDON, RITTER, LOWE & CO., 208-8-7 Board of Trade Bldg.

ACCORDION PLEATING

Skirts pleated any style, \$1.00. Hemstitching, 100 per yd. Buttons covered. Eastern Novelty Mfg. Co. 65 1/2 Fifth St., Broadway 2000

AGATE CUTTERS & MFG. JEWELERS

Jewelry and watch repairing. Miller's, 255 Wash. St., Majestic Theater Bldg.

ARTIFICIAL LIMBS

Oregon Artificial Limb Co., Inc. Write for Catalog. 455 Wash St., Portland, OR.

AUCTIONEERS—24 HAND FURNITURE

Ford Auction Co.—Auctioneers. We sell everything. 191 Second St., Portland.

AUTO ACCESSORIES

Motors, gears, bearings, wheels, axles, and trailers. We wreck all makes of cars and sell their parts at half price. David Hoden Co., N. Broadway and Flanders.

Motor Parts Mfg Co., 325 Burnside St. Parts for all cars at half price.

LONG & SILVA—462 Hawthorne Ave.

Auto Wreckers. We wreck cars and sell good parts at 1/2 list price. See us for Engines, Magneton, Carburetors, etc.

THE BEST EATS IN THE CITY

St. Nicholas Cafeteria

125 5th Street, Portland, Oregon. See what you want and pay for what you get.

JUST OUT—Complete History America's War For Humanity

Including peace terms. 600 pages; 100 beautiful illustrations. Cloth bound. \$2.00; Buckram, \$2.50. Free literature; also large photo Wilson, Pershing. CRESCENT SUPPLY CO., 312 Sweetland Bldg. Agents Wanted

J. C. ENGLISH CO.

Electric Washing Machines

SOLD ON EASY TERMS.

148 Fifth Street, Portland, Oregon

Second Floor Bet. Morrison and Alder.

Beautiful Eyelashes Will make you very attractive. Cultivate long, beautiful eyelashes and eyebrows with Lash, an Oriental secret preparation. Absolutely harmless; used privately; results will surprise and amaze you. Two sizes, 25c and 50c; prepaid in plain wrapper. Oriental Laboratories, box 2161 Sta. A, Dept. B, Portland, Oregon.

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OFFICE FURNITURE & APPLIANCES

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COMPLETE LINE OF STEEL FILING DEVICES AND SYSTEMS

Are You Getting All the Cream?

Send for our free Separator test. Just tear out this ad. and write your name and address on the edge of it. You may be feeding a lot of cream to the hogs. Our free book also tells about the wonderful close-skimming "Simplex." The one-piece link blade idea does it. Write today! The free information will be worth money to you.

MONROE & CRISSELL

New Location, 91-93 Front St. PORTLAND, ORE

Raw Furs Wanted

Musk rats, large average, \$ 1.35

Skunk, " " 5.00

Mink, up to " " 10.00

Raccoon, up to " " 5.00

HUDSON BAY FUR CO.,

222 Powell Street, San Francisco, California

BEEMAN GARDEN TRACTOR

and Walking Engine \$285.00

at the factory

Perfect After Years of Testing and Improving.

A One Horse Motor Cultivator and an All Purpose H. P. Power Plant that Goes from Job to Job on its Own Power.

WENTWORTH & IRWIN, INC

Second Street at Taylor PORTLAND, OREGON

BILLIARDS, POOL AND LAVATORIES.

MEET ME IN PORTLAND

At one of the most elegant Billiard Rooms in the Pacific Coast. Bowls & Caldwell's Second Floor Pittcock Block

BUILDING MATERIALS

Send for booklet on Farm Buildings of Denison Interlocking Tile. It is free. P. L. Cherry Co., 271 Hawthorne Ave., Portland, Oregon.

CANADIAN FARM LANDS

The Canadian Pacific Railway is colonizing its land grant in Western Canada—A great opportunity to get rich virgin prairie land very cheap, on exceptionally long and easy terms—Farm land \$11 to \$30, irrigated land up to \$50 per acre, with 20 years to pay—\$2500 loan for improvements on irrigated land—Landseekers' Excursions with reduced rates. For further information write or call L. C. Thornton, District Representative, 208 Railway Exchange Bldg., Portland, Ore.

CARPET WEAVING AND CLEANING

Pluff Rugs From Old Carpets

Rug Rugs, all sizes. Mail orders prompt. Send for Booklet.

9x12 Rugs, Stain or Dry Cleaned, \$1.50.

WESTERN PLUFF RUG CO.

54-58 Union Ave. N. East 6516, B-1475

CITY AND FARM PROPERTIES

We protect your interests. Farms, timber, acreage, city, exchanges. Gilson Realty Co., 431 Ch. of Commerce, Main 6127.

CLEANING AND DYEING

For reliable Cleaning and Dyeing service send parcels to us. We pay return postage. Information and prices given upon request.

ENKE'S CITY DYE WORKS

Established 1890 Portland

DRUGS BY MAIL

Anything in Drugs, Rubber goods, Toilet Articles etc. We pay postage. Satisfaction guaranteed. Joe M. Riden, 265 1st St., Portland.

DRUGS BY MAIL

Send to us for anything in Drugs, Rubber Goods, Trusses, etc. Postage prepaid. Plummer Drug Co., 269 M St., Portland.

FARM LOANS

On improved farms in Oregon—Long time if desired, and at lowest current rates. Wm MacMaster, 331 U. S. National Bank Bldg., Portland.

FARM TRACTS

Own a farm tract where everything grows year around; fine climate, boating, bathing, fishing, shell roads. Let me send you one hundred views of this wonderful country between Houston and Galveston. Easy monthly payments, over five hundred producing oil wells in sight. Company drilling on this property now. Write or wire today—3/4 sold out. Have parties who will plant your tract on shares. Let me tell you about it. W. E. COGUELL, Chamber of Commerce Bldg., Portland.

FARMS WANTED

If you have a farm for sale write us, giving detailed description. We are specializing in the sale of farm lands. G. S. Smith Co., Chamber of Commerce Bldg., Portland.

FINANCIAL MORTGAGE LOANS

For Mortgage Loans see OREGON INVESTMENT & MORTGAGE CO., 229-23 Chamber of Commerce Bldg., 4th and Stark, Portland Oregon.

HIDES, WOOLS & CASCARA BARK

We pay highest prices—Write us for quotation. Kahn Bros., 195 Front St.

HIDES, WOOL, TALLOW

BISSINGER & CO., P. O. Box 4578, 148 to 154 13th St. N., Cor. Irving, Portland. Main Office, San Francisco. Branches: Seattle, Spokane, Boise, Salt Lake, Reno, Billings, Missoula, Vancouver, B. C.

LIBERTY BONDS BOUGHT AND SOLD

We pay cash for Bonds or partly paid contracts or loan 90% of their face value at 8% per annum. Deal with reliable licensed brokers. Howell and Davis, 401 Beard of Trade Building, Portland.

OPTOMETRIST AND OPTICIAN

GLASSES AT A SAVING.

Patronage solicited on basis of cash service and reasonable charges. Thousands of satisfied patrons. A trial will convince. Chas. W. Goodman, optometrist, 209 Morrison, Portland, Oregon.

PHYSICAL THERAPEUTICS

Dr. R. A. Phillips, 905 Broadway Bldg. Disorders of the stomach, liver, kidneys, bowels, goitre, high blood pressure and female disorders.

PLUMBING & PLUMBING SUPPLIES

We can supply you with any kind of plumbing supplies at wholesale prices. We will gladly estimate cost of any job. Write for

STARK-DAVIS CO., 212 Third St., Portland

PERSONAL

MARRY IF LONELY: for results, try me; best and most successful "Home Maker"; hundreds rich with marriage soon; strictly confidential; most reliable; years of experience; descriptions free. "The Successful Club," Mrs. Purdie, Box 556, Oakland, Calif.

PAINTS AND WALL PAPER

Paints and Auto finishes. Wholesale and retail. BOLL'S Wall Paper Co., 229 Morrison St.

Write us for prices. Pioneer Paint Co., 186 First St., Portland.

PORTLAND

Go with the crowd to the Abington Bldg., Portland to buy, sell or exchange Real Estate. Frank L. McGuire.

SANITARIUMS

WHY THE MILK CURE? Ask the Moore Sanitarium. An institution devoted to doing one thing well. Office 908 Selling Building, Portland, Oregon.

SANITARY BEAUTY PARLOR

We help the appearance of women. Twenty-two inch switch or transformation, value \$7.00, price \$2.45. 400 to 412 Deann Bldg.

SCHOOLS AND COLLEGES

EMOLER BARBER COLLEGE

Wants Men, Women to learn the trade; positions waiting; send for catalogue.

MISS DECKER'S Private Business College. Alisky Bldg., 3d & Morrison Sts.

Hawthorne Auto & Gas Engine School, 462 Hawthorne Ave. Practical experience in overhauling and repairing every make of auto and gas engine. Oxyacetylene welding. Established 1907.
SILOS AND GRAIN BINS

The only exclusive Silo factory. No Hoops, No Nails, No Trouble. Stay Round Silo Co., 561 Dekum Bldg., Portland, Oregon.

TAILORED SUITS

Suits to order, \$10 down, \$5.00 per month. Unique Tailoring Co., 104 Fourth St., Portland.

WALL PAPER AND PAINTS

Wall paper and paints. Wholesale and retail. BOLL'S Wall Paper Co., 229 Morrison St.

WATER SYSTEMS FOR COUNTRY HOMES

WANTED Man with Ford and \$500 Capital to sell Kewanee Light and Water Systems; good territory still open; write and give selling experience. M. D. Spencer, Distributor, 333 E. Morrison, Portland, Oregon.

ORCHARD GLEANINGS

SURVEYS OF MANY ORCHARDS

Government Fruit Crop Estimating Service Issues Reliable Forecasts for Growers.

(Prepared by the United States Department of Agriculture.)

Complete surveys of practically every important apple and peach-producing county in the United States were made by the bureau of crop estimates, United States department of agriculture, during the fiscal year 1918.

The fruit crop estimating service now is issuing reports giving reliable forecasts of the amounts of different fruits which may be expected to reach commercial channels. Co-operative relations have been established with leading growers and shipping associations in all parts of the country for the purpose of collecting and disseminating



Apple Orchard—Note Dense Mulch Crop of Alfalfa.

this information, which is of vital importance to producers and consumers of commercial fruits.

Detailed estimates by states and regions, together with complete comments upon the growing conditions in all parts of the country, are included in the apple and peach forecasts of this bureau. These forecasts are issued monthly, and it is planned to extend this service to include other fruits.

TROUBLES FOUND IN ORCHARD

Diseases and Insects Can Be Combated in Winter Season by Use of Different Sprays.

Brown rot of the peach is a very serious disease to peach growing. While late spraying is often necessary one or more dormant sprays often reduce the spores and greatly simplify matters in spraying in spring.

San Jose scale is the dread of orchardists. It is an insect that hibernates under the bark and saps the vitals of trees. It takes a strong solution to penetrate the bark and kill these scale insects. They must be killed by contact, as they never bite and chew their food, but suck the juices, hence poisons will not kill them.

When there is scale spraying should be done with lime-sulphur winter strength. Two or three sprayings before the buds unfold in the spring are sometimes necessary where scale had a good start in the orchard.

For black rot winter spraying is also advisable. Spores of some of these diseases begin to get active after a few warm winter days, so in order that the diseases may be checked, winter spraying is desirable.

Spraying gives insurance to trees. Insects and diseases appear more or less every year. The character of the season has much to do with the destruction caused by insects and diseases. But it is never safe to trust the season.

PRESERVING LIFE OF TREES

Pruning and Spraying Will Increase Quality and Quantity of Various Kinds of Fruit.

Preserve the life of your trees and increase both quality and quantity of your fruit by pruning and spraying.

The following procedure will help to prolong the life of the old fruit trees:

1. Dig around the base of the trees and remove all borers.
2. Cut out all dead wood and water sprouts and burn all prunings.
3. Scrape the rough bark from the limbs and trunk of the trees, so that insects may not pass the winter there.
4. Do not allow grass and weeds to grow around the trees.