

**Send Your Produce to FRANK L. SMITH**

We will pay as follows for produce of good, fresh quality, and we will not take off commission:

|                             |             |
|-----------------------------|-------------|
| Block beef                  | 10c         |
| Small Veal up to 120 pounds | 13c         |
| Large live Hens             | 17c         |
| Spring Chickens, live       | 16c         |
| Dressed Chickens            | 18c and 19c |

Eggs, market price.

Ship us your ducks, turkeys, geese, potatoes, cabbage, apples and all other kinds of fruit and vegetables.

**FRANK L. SMITH MEAT CO.**  
"Fighting the Beef Trust"  
PORTLAND, OREGON

We will sell you egg packers complete with fillers for 15c each.

**KODAKS AND KODAK SUPPLIES**

Write for catalogue and literature. Developing and printing. Mail orders given prompt attention.

**Portland Photo Supply Co.**  
149 Third Street  
PORTLAND, ORE.

**BEAUTIFUL POST CARDS FREE**

Send 25 stamps for five samples of our very best Gold Embossed Birthdays, Flowers and Good Luck Postals. Cards, beautiful colors and designs. Ask for Card Club, 74 Jackson St., Topeka, Kan.

**FREE** Boys and girls! Do you want a good camera ABSOLUTELY FREE? Not a toy. Takes good pictures. Send address: we will forward 24 pages of Postal Cards. Sell them to your friends and neighbors at 10c per pkg. Return the money to us. We will then send you this camera ABSOLUTELY FREE. Write today.

THE HELPERS, Ellsworth, Clarke Co., Wash.

**"A Corking Good Smoke!"**

**MONUMENTAL CIGAR**

FULL 54 WORTH

Write for Prices and Sample

**Sig. Sichel & Co.**  
PORTLAND, ORE.  
Wholesale Agents

**THE Famous Rayo Lamp**

Once a Rayo user, always one

The Rayo Lamp is a high grade lamp, sold at a low price. There are lamps that cost more, but there is no better lamp made anywhere. Constructed of solid brass; nickel plated—easily kept clean; an ornament to any room in any house. There is nothing known to the art of lamp-making that can add to the value of the RAYO Lamp as a lighting device. Every dealer everywhere. If not at yours, write for descriptive circular to the nearest agency of the

**STANDARD OIL COMPANY (Incorporated)**

**UMC .22 CARTRIDGES**

The straight shooting, hard-hitting, sure-firing 22's.

The reason why UMC .22 Cartridges are the best is that they are made with precisely the same care, the same tested materials and undergo the same rigid safeguards, as the heavier calibre, big-game-shooting UMC ammunition.

UMC .22's are also made with the heavy hollow point bullets, thereby increasing their shocking and killing power over the old solid bullet.

Try Our New "Lesmok" .22's

UMC .22 short, .22 long, .22 long rifle "Lesmok," Smokeless and Black Powder—as you wish.

Targets Supplied Free

**THE UNION METALLIC CARTRIDGE CO.**  
Agency: 299 Broadway, New York City

**C. Gee Wo**  
The Chinese Doctor

This wonderful man has made a life study of the properties of Roots, Herbs and Barks, and is giving the world the benefit of his services.

No Mercury, Poisons or Drugs Used. No Operations or Cutting

Guarantee to cure Catarrh, Asthma, Lung, Stomach and Kidney troubles, and all Private Diseases of Men and Women.

**A SURE CANCER CURE**

Just received from Peking, China—safe, sure and reliable. U. falling in its works.

If you cannot call, write for symptom blank and circular. Inclose 4 cents in stamps.

**CONSULTATION FREE**

**The C. Gee Wo Medicine Co.**  
162 1/2 First St., cor. Morrison, Portland, Or.

**Greatest Cane-Sugar Grower.**

It may surprise many to learn that India is the greatest cane-sugar producing country in the world, the country's crop amounting to 4,000,000 to 5,000,000 tons. Notwithstanding this fact, its sugar market has been captured first by the beet sugar and later by cane sugar from Mauritius and Java.

**Only One "BROMO QUININE"**

That is LAXATIVE BROMO QUININE. Look for the signature of E. W. GROVE. Used the World over to Cure a Cold in One Day. 25c.

**Kind to Animals.**

Remove the sting of a wasp or bee with a watch key, pressing the place with it; then rub the sting with a slice of raw onion, moist tobacco or a damp blue bag.—Daily Mirror. Press gently, dry, dust with boracic acid powder and return it to the bee (or wasp).—Punch

Tightness across the chest means a cold on the lungs. T. A.'s he da ger signal. Cure that cold with Hamlin's Wizard Oil before it runs into Consumption or Pneumonia.

**Few Say Anything.**

The idea that when people meet it is necessary for them to talk has grown out of helpless self-distrust. Not over five out of a million people say anything when they converse.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

**True Education.**

Education is but studying what other men have done in the world in order that we may waste no time in discovering what has already been discovered or in following paths that have been found to lead in no useful direction.—Chicago Examiner.

**Tonseth Floral Company**

CUT FLOWERS FLORAL DESIGNS  
WEDDING DECORATIONS

Special attention given to out-of-town orders.  
325 Morrison St., Portland.

**HOG RAISING IN OREGON.**

**Finest Bacon Produced From Feeds Native to This State.**

Oregon Agricultural College, Corvallis.—That hog raising can be carried on very profitably in Oregon and the Northwest is the opinion of Dr. James Withycombe, Director of the Oregon Agricultural Experiment station. Relative to this matter Dr. Withycombe says:

"The production of hogs is a neglected industry on many Oregon farms. This great American farm mortgage lifter for some reason does not receive the attention to which he is entitled. This is perhaps due to the inability of many farmers to disassociate the hog from corn. In the great hog-producing states corn is the staple food for these animals and the opinion is prevalent that there is no other feed that can successfully compete with corn. This is a mistake and it has been proven such time and again. It is a well known fact that the highest priced bacon in the world is produced in Canada and Denmark. This high priced meat is not produced from corn but from just such feeds as can be grown abundantly upon the Oregon farms. There is no better grain than wheat or barley for producing a high class pork product. Barley should be the staple hog food upon the Oregon farm. Splendid results can be secured from barley and skim milk or barley and tankage as a fattening food for hogs.

"It has been found at the Oregon Experiment Station that skim milk and tankage are both excellent supplemental foods with barley for fattening hogs. These supplemental foods lower the cost of production. Ordinarily it requires 4.5 pounds of barley to make one pound of gain but with these supplemental feeds much less barley is required for securing a similar gain.

"In a recent experiment conducted at this station, 3.21 lbs. of ground barley and 4.87 lbs. of skim milk produced one pound gain in lot 1, comprising 7 hogs, which gained in 60 days, 786 lbs. and consumed 2525.5 lbs. of ground barley and 3832.5 lbs. skim milk. In lot 2, consisting of 7 hogs, it required 3.43 lbs. of ground barley and .25 lb. of tankage for one pound gain. This lot gained in 60 days 778.3 lbs. and consumed 2676.75 lbs. barley and 191.5 lbs. of tankage. Estimating that without the skim milk or tankage it would have required 4.5 lbs. of ground barley to produce one pound gain, this would indicate that 3832.5 lbs. of skim milk saved 1011.5 lbs. of barley which at \$27.00 per ton would give a return of \$13.70 for the milk, or about 36 cents per cwt. Estimating upon the same basis for the tankage fed hogs 191.5 lbs. of tankage saved 825.5 lbs. of barley, worth at \$27.00 per ton, \$11.14. Cost of tankage, \$4.73, thus making from the investment in tankage \$6.41.

There is no question but what swine husbandry, when properly conducted is profitable in Oregon. From a number of experiments conducted at this station results show that it costs approximately 3.5 cents per pound to grow a hog to a fattening stage. For example, pigs farrowed in the early spring and allowed to run on clover, alfalfa, vetch, or rape during the summer and fed a small supplemental feed or grain can be brought to a fattening stage in the fall, weighing about 125 pounds at a cost of about 3.5 to 4 cents per pound. Presuming at this time they are placed in fattening yards and fed for 60 days on ground barley, of which it will require 450 pounds to produce 100 pounds gain. Thus at this time the hog will weigh 225 lbs. and at present market values worth 8 cents per pound, or \$18.00. The cost of production will be about as follows:

"Cost of maintaining breeding herd about \$2.00 per pig; initial weight at time of fattening, 125 lbs. at 3.5 cents per pound, \$4.37; 450 lbs. of barley at \$27 per ton, \$6.07. Total cost of production, \$12.44; net profit per hog, except labor, \$5.56. This of course allows commercial rate for all food consumed. If skim milk or tankage be fed even better results would be secured. It is evident that there is good money in hogs.

"Sows should farrow two litters a year. The fall pigs could be wintered in Western Oregon very largely upon roots and kale with a small supplemental feed of grain and fattened in the spring or early summer. In Eastern Oregon they could run on early sown grain or be fed some roots or nicely cured alfalfa or pea hay.

"In the matter of breed there is little difference in the leading breeds of hogs. It is largely a matter of personal choice with the farmer. It is not necessary to have pure bred hogs to make a success of the industry. Pure bred sires, however, should always be kept. Some growers have excellent success in crossing breeds, for example, taking high grade Berkshire sows and crossing with pure

bred Poland China sires or vice versa. This is feasible with a graded herd, but too expensive with pure bred herds.

"Young pigs should not be fed coarse, bulky feed, neither is coarse grain, such as ground oats and barley, good when the pig first begins to eat. These coarse feeds irritate the intestinal tract and may be responsible for producing what is generally known as thumps and convulsions. The ideal food for a young pig is skim milk and shorts or middlings. Food of this character should be fed until the pig is at least three months old. Then again the pig should have exercise. Many pigs are ruined by being fed rich feed without being given any exercise. They are prone, under such conditions, to develop rheumatic arthritis which is a very serious trouble. This, however, can be entirely eliminated through exercise. Young growing hogs, in fact all hogs, should be provided with clean, comfortable quarters during the winter months, as hogs are very susceptible to cold and suffer if not provided with warm sleeping quarters.

"Hogs should be finished for the market at the earliest practicable age. The younger the animal the lower the cost of production. A four months old pig will make a pound gain with at least one-third less feed than a one year old hog. Economy in production means growing the pig in the open field during the summer and finishing it for the market quickly in the fall in a fattening period not exceeding over about sixty days."

**NOTES FROM THE EXPERIMENT STATIONS.**

(From Washington Experiment Station, Pullman, Wash.)

The only remedy for China lettuce is absolutely clean cultivation. A cultivator or harrow should be rigged with knives, so that it is possible to "shear" two or three inches below the ground, and completely cut off all young vegetation. You should go over the ground often enough to prevent any leaves from appearing above the ground. This kind of treatment will gradually wear out the weed. However, if you neglect the cultivation in busy times, the good you have accomplished will be lost, and you will have to begin over again. It is by reason of this neglect that many people are led to say that clean cultivation is not a success. It is a success, and the only method, when it is thoroughly done.

The best method of keeping the gophers away from your trees is to rid the orchard of gophers. This can be done with comparative ease and with very small expense if the owner will carefully go over the field with pieces of poisoned carrots, and place a piece in every place where the gopher shows fresh work in the soil. The carrots should be cut into pieces about the size of a quail egg, with a small slit made in the side of the piece in which a few crystals of strychnine are inserted. This dissolves to poison the entire piece of carrot. It will be necessary to go over the field twice or three times during the fall or early spring before one can be sure that it is entirely free from this troublesome orchard pest.

"Strawberry mildew" is an old Eastern disease of the strawberry which in recent seasons has been found in the West. Where it is found, carefully rake off as much of the trash and leaves in the spring as possible. Do this just after growth starts. Destroy all of the leaves, for mildew will live over in these leaves, and be there to bother the plants another year. After thoroughly cleaning up the patch, give it a thorough spraying with Bordeaux mixture. This is to be done before the plants start into active growth. Watch your plants very carefully during the growing season, and spray again if it is necessary.

Logged-off lands treated with an application of well-rotted stable manure should produce good crops of potatoes. If the manure is not available in large quantities, light applications of nitrate of soda put on soon after they start to grow produce good results. This fertilizer should be used at the rate of 75 to 150 pounds per acre, and should be given just as the crop needs it. It will therefore be necessary to give two or even three applications during the growing season.

One should not experience difficulty in growing potatoes on bottom land or sandy soil. However, if land is peaty, it may dry out a little too early if it happens to be in a comparatively dry section. If early potatoes are desired, probably the best variety would be the Early Ohio. But if you desire to grow late potatoes, the Burbank is a satisfactory one. Some people are very much in favor of the Beauty of Hebron, while others think there is nothing equal to the Early Rose.

Persons who wish to plant flowers in the spring that will grow during the summer and be in good shape during the fall could make use of the very late varieties of sweet peas, any of the asters, zinnias and possibly a few pansies. Another plant is the cosmos. Get the late flowering sorts of these, and delightful results will be secured.

**OREGON AND WASHINGTON FARM LANDS**

Bought and Sold

**HARRY M. COURTRIGHT**

Yeon Bldg., Portland, Ore.

The confidence felt by farmers and gardeners in Ferry's Seeds to-day would have been impossible to feel in any seeds two score of years ago. We have made a science of seed growing.

**FERRY'S SEEDS**

always do exactly what you expect of them. For sale everywhere. FERRY'S 1911 SEED ANNUAL Free on request.

**D. M. FERRY & CO., Detroit, Mich.**

**BELMONT AUTO SCHOOL**

You get the most thorough instruction in driving and practical work that can be produced, also lube work, drill press and forging. Fully equipped machine shop and school room. Tuition for \$25 cash; \$40 payments \$10 per week.

**BELMONT AUTO SCHOOL & REALTY COMPANY.**  
East 23d and Morrison, Portland, Or.

**INSIST UPON WESTERN MANTLES**

Kerosene and Gasoline

**L. A. KLEIN & CO., Inc., Distributors**  
28 Front Street  
Portland, Ore.

**Homesteads and Timber Lands Located**

If your Farm or Property is For Sale I Can Sell it QUICK for CASH

Send Description and Price. Address  
**C. A. BENGTSOHN**  
500 Henry Bldg. PORTLAND, ORE.

**Skylights Tanks Gutters Down Spouts Steel Ceiling**

**J. C. BAYER**  
204 Market Portland, Oregon

**WOULD \$20 TO \$30 WEEKLY** Interest you in your spare hours. No canvassing or soliciting. Address HOME CIRCLE, Box 1444, BOSTON, MASS

**To Clean Enamel.**

When the enamel becomes discolored, scour it with a damp flannel dipped in garden mold, then rinse it in plenty of water. In this way the cleaning is effected without causing scratches or other damage.

**Where is He?**

What has become of the old-fashioned boy who referred to his knife as a "frog sticker"? And what, by the way, has become of the old-fashioned Barlow knife?

**Kow-Kure**

is not a "food"—it is a medicine, and the only medicine in the world for cows only. Made for the cow and, as its name indicates, a cow cure. Barrenness, retained afterbirth, abortion, scours, calving troubles, and all similar affections positively and quickly cured. No one who keeps cows, whether many or few, can afford to be without "Kow-Kure." It is made especially to keep cows healthy. Our book "What to Do When Your Cows Are Sick," sent free. Ask your local dealer for "Kow-Kure," or send to the manufacturers, Dairy Association Co., Lyndonville, Vt.

**GOLDEN WEST COFFEE TEA SPICES BAKING POWDER EXTRACTS JUST RIGHT**

ATLANTIC WHOLESALE

**CLOSSET & DRYERS**  
PORTLAND, ORE.

**KEELEY CURE**

**ALCOHOL OPIUM—TOBACCO**

Habits Positively Cured. Only authorized Keeley Institute in Oregon. Write for illustrated circular. KEELY INSTITUTE, 71 E. 11th St.

**PORTLAND, OREGON.**

**PISO'S**

IS THE NAME OF THE BEST MEDICINE FOR COUGHS & COLDS

**TWO GRAND CRUISES AROUND THE WORLD**

The First to leave New York November 1, 1911, and the Second from San Francisco, February 17, 1912.

By the Large **CLEVELAND** (17,000 TONS)  
Transatlantic S. S.

Duration: \$650 and on, including all necessary expenses aboard and ashore.

Optional Tours OF 17 DAYS IN INDIA. 14 DAYS IN JAPAN.

Send for Illustrated Booklet.

**HAMBURG-AMERICAN LINE**  
41-45 BROADWAY, NEW YORK.

**Canary Island Soil.**

On the Canary Islands the soil is so rich that it is devoted almost exclusively to the cultivation of the vine and fruits and most of the food consumed has to be imported.