

**Farmers and Merchants**  
Write us for our cash offer on your Farm and Dairy Produce. If we don't handle it will refer you to a reliable buyer. **PEARSON-PAGE CO.** Portland, Oregon.

**IDEAL FRUIT PICKERS' BAG.**  
Send us one dollar and we will mail you sample of Ideal Apple Pickers' Bag. Positively the best picking bag on the market, allowing man to use both hands. **Harbor Manufacturing Co.,** 37 Ambrose St., Rochester, N. Y.

**Machinery** Second-Hand Machinery bought, sold and exchanged, engines, boilers, sawmills, etc. **The J. E. Martin Co.,** 76 1st St., Portland. Send for Stock List and prices.

**KODAK**  
mills developed, 10¢. Any size. Largest and best shop in Northwest. Complete price list on request. Best results guaranteed.

**JACOBS PHOTO SHOP**  
P. I. Build'g, Seattle

**PANAMAS**  
Land Waver. Unblacked. **FRAM WEAVER TO WEAVER**  
than he was outdoored by another. Blacked in any size, shape or style for men, boys and girls. Light weight. Quick drying. Washable. Durable. Stylish hat for the half of what it would cost you elsewhere. Address: **NEW MILLS, HAY CO.,** C. H. Moushoffer, Prop., 142 Washington St., Portland, Or.

**HOLMES BUSINESS COLLEGE**  
WASHINGTON AND TENTH STS. PORTLAND, OREGON  
WRITE FOR CATALOG  
The School that Places You in a Good Position

**Mount Sinai Located.**  
The discovery of what is believed to be the real Mt. Sinai of Holy Scrip is reported to the Academy of Science at Berlin by Prof. Dr. Al Mualil from Damascus. Prof. Mualil believes that the extinct volcano, Hala-Bed, in the Hedja region of northern Arabia is the biblical mountain where the Ten Commandments were given to Moses.

**MEXICAN MUSTANG LINIMENT**  
CURED A CUT HORSE.  
Fred DeNeff, Marshall, Wash., writes: "I have used Mexican Mustang Liniment for some time and am well pleased. One of our horses had a deep cut in her breast and we used all kinds of medicines without effect until we tried Mustang Liniment and it healed it up in less than 10 days."  
25c. 50c. \$1 a bottle at Drug & Gen'l Stores

**Painless Dentistry**  
In our pride—our hobby—our study for years and now our success, our cure is the best painless work to be found anywhere, no matter how much you pay. Compare our Prices.  
We finish plate and bridge work in our own shop. No waiting. Painless extraction free when same of bridge work is ordered. Consultation free.  
Molar Crowns \$5.00  
22k Bridge Teeth 4.00  
Gold Bridges 1.00  
Enamel Fillings 1.00  
Silver Fillings .50  
Good Rubber Plates  
Best Red Rubber Plates 7.50  
Painless Extractions .50  
DR. W. J. WISE, President and Manager  
15 YEARS ESTABLISHED IN PORTLAND  
All work fully guaranteed for 750,000 years.  
**Wise Dental Co., Inc.**  
Painless Dentists  
Filling Building, Third and Washington. PORTLAND, OREGON  
Office Hours: 9 A. M. to 5 P. M. Sundays, 9 to 2.

**You will get a thorough examination**

**C. Gee Wo**  
THE CHINESE HERBALIST.  
The Chinese systems of medicine differs from all others. It employs only purely herbal remedies and adheres to principles that have been thoroughly tested for thousands of years. When a patient comes to C. Gee Wo for treatment he is given a careful examination and he is told what ails him. Then he is given sufficient herb remedies for a course of time and told to report again to have his condition noted. In most cases patients notice a decided improvement in their health in a week's time. This is particularly so in nervous diseases and where the system is run down. The system itself when toned up to normal is often able to throw off sickness. If you are ailing don't continue to suffer when the help of harmless remedies is so near at hand.  
CONSULTATION FREE.  
Out-of-town people can begin treatments by sending 4c in stamps for symptom blank, which is to be filled out and returned.  
**C. Gee Wo Chinese Medicine Co.**  
162 1/2 First St. cor. Morrison. Portland, Or.  
P. N. U. No. 37-12

**WHEN writing to advertisers, please mention this paper.**

**SIGN WAS TRIFLE AMBIGUOUS**  
Picard Bearing Inscription "Families Supplied" Taken at its Literal Meaning by Customer?

"The merchant can't be too careful in having his announcements perfectly plain," remarked Sir James Butler to some friends the other day. "For instance, a man went into a butcher shop recently and said to the man behind the counter: 'I want two boys and a girl, please.' 'Beg pardon, sir,' replied the man. 'I want two boys and a girl.' 'Beg pardon, sir.' 'The manager of the shop, seeing a little misunderstanding between the two, went to the gentleman and said: 'Please excuse my assistant, but he is a new hand and perhaps does not understand you. What is your wish?' 'Two boys and a girl, if you please.' 'I beg your pardon, sir, but I'm afraid I don't quite understand you myself,' replied the manager. 'I want two boys and a girl. Is that plain enough?' answered the gentleman. 'The manager then said, 'I'm sorry, but I don't keep them.' 'The gentleman then replied: 'But you have a sign outside, 'Families Supplied.'"—Exchange.

**IF IT'S YOUR EYES PETTIT'S EYE SALVE IS WHAT YOU NEED**

**World's Cables Made in America.**  
Practically all the world's cables are made in this country, the first having been made in 1857, the total length of the wire in the sheathing and core being sufficient to reach from the earth to the moon. When the sea is about three miles deep, and the ship is steaming at its usual rate, paying out a new line, over two and a half hours will pass before the cable reaches the bed of the sea. By the time the cable has settled to rest the ship is 25 miles away.

**It Cures While You Walk.**  
Allen's Foot-Ease is a certain cure for hot, sweating, callus, and swollen, aching feet. Sold by all Druggists. Price 25c. Don't accept any substitute. Trial package FREE. Address: Allen S. Olmsted, Le Roy, N. Y.

**Origin of Pawnbrokers' Sign.**  
On the doors of early Florentine bankers was the three-leaf lily sign, the lily being the emblem of Florence, and claim is now made that this is why the pawnbroker of today has the three balls as his sign, which appears to be an evolution of the three-leaf lily.

**Red Cross Ball Blue gives double value for your money, goes twice as far as any other. Ask your grocer.**

**Insuring Private Cup.**  
To insure the owner of a private shaving cup kept in a barber shop; that he is its only user there has been invented a paper cap to cover it which cannot be removed without breaking a seal.

**Be Well!**  
The First Step Towards Good Health is a Strong Stomach  
Is Your Appetite Poor  
Is Your Digestion Weak  
Is Your Liver Sluggish  
These are Nature's warning of stomach weakness and impending sickness. You should try  
**HOSTETTER'S STOMACH BITTERS**  
AT ONCE. IT WILL HELP YOU

**Warning to the Doctor.**  
Never, in a moment of forgetfulness, advise the parents of a child whom you operated upon a year before for the removal of adenoids that the child is suffering from impeded nasal respiration and should have its adenoids removed.—Medical Review of Reviews.

**Why cough? Stop it!**  
Stop coughing! Coughing rasps and tears. Stop it! Coughing prepares the throat and lungs for more trouble. Stop it! There is nothing so bad for a cough as coughing. Stop it! Ayer's Cherry Pectoral is a medicine for coughs and colds, a regular doctor's medicine. Sold for seventy years. Use it! Ask your doctor if this is not good advice.  
Unless there is daily action of the bowels, poisonous products are absorbed, causing headache, biliousness, nausea, dyspepsia. We wish you would ask your doctor about correcting your constipation by taking laxative doses of Ayer's Pills. Made by the J. O. AYER CO., Lowell, Mass.

**FARM AND ORCHARD**  
Notes and Instructions from Agricultural Colleges and Experiment Stations of Oregon and Washington, Specially Suitable to Pacific Coast Conditions

**BEST SOILS FOR ONIONS.**  
O. A. C. Graduate Tells of Fertilizers To Be Used On Crop.

Corvallis, Or.—Although onions will grow on a large variety of soils, they thrive best in a rich, mellow soil with plenty of moisture. Just what fertilizers and soil treatment to use is explained by Jay C. Leedy, of Sherwood, one of this year's seniors at the Oregon Agricultural college, in an article on "Soils and Fertilizers for Onions" in the Oregon Countryman, published by the students.

"For commercial onion growing" in Oregon the beaver meadows are practically the only ones given consideration," says Mr. Leedy. "These lands are located mostly in Washington, Clackamas and Marion counties. Theoretically these lands have resulted from beavers damming streams and outlets to lakes, hence the name; but nature has played a large part in the soil formation, in many cases without the aid of the beavers.

"This soil forms a type known as cumuloose, composed largely of organic matter and humus, and analysis usually shows about 2 per cent of nitrogen. Large portions of this plant food element are unavailable for the use of plant life. This type of soil generally contains a moderate amount of phosphoric acid, and usually very small amounts of potash, sometimes as low as 2 per cent. Chemical analysis of the soil is not to be relied upon in all cases as an indicator of the soil's power to produce crops, but is merely an index to the amount of the various plant foods present in the soil. It has been found by experiments that these dam soils will not continue to produce profitable yields of onions without the addition of potassium in the form of animal manure or commercial fertilizers.

"Analysis of yellow Danver onions showed a content of .225 per cent nitrogen, .88 per cent phosphoric acid and .217 per cent potash. Taking an average yield to the acre of 300 sacks, each weighing 100 pounds, the analysis would remove from the soil 67.5 pounds of nitrogen, 25.8 pounds of phosphoric acid and 65.1 pounds of potash. Thus it can be seen that the onion crop uses comparatively large amounts of the three essential fertilizing elements, and these must be supplied to the soil if it does not already contain them.

"Barnyard manure is almost indispensable in the production of onions in any except the beaverdam soils, and is more used than any other fertilizer even on these soils. Indeed, there is no fertilizer so well adapted to the production of onions as a liberal amount of clean, well composted barnyard manure. It is important that all stable manure used on onion land be well rotted before applied to the soil in order that the weed seeds may lose their germinating powers, and that the danger of diseases attacking the onions be lessened. A heavy application of fresh manure may produce an overgrowth of tops at the expense of the bulbs, and is sure to bring in a large amount of weed seed, increasing the cost of weeding. It is difficult to make the soil too rich for onions, provided the manures are incorporated with the soil. The usual amounts, however, are 10 or 12 tons to the acre, applied before ploughing in the fall and then harrowed with the disc before planting in the spring.

"Where enough manure is not produced on the farm, and where it can not be secured profitably from a city near, commercial fertilizers must be resorted to. They can supplant stable manure profitably, especially on the beaverdam soils, already rich in organic matter. In some instances commercial fertilizers are used exclusively with good results. One great advantage over stable manure is the fact of reducing the weeds to a minimum, thus lessening the expensive production. A higher initial cost than stable manure tends to offset the disadvantages in weeding. As it is an intensive crop yielding large amounts of bulbs to the acre, growers are justified in manuring heavily.

"Additional nitrogen increases the yield. The onion is planted early in the spring, before bacterial action begins, and these agents in the soil which render the nitrogen available for plant use do not begin to work very actively until the soil is thoroughly warmed and the season well advanced. An application of nitrogen immediately available early in the season is thus beneficial in giving the plants an early and vigorous start. Sodium nitrate, containing about 16 per cent nitrogen, is the best form, 100 pounds to the acre as a top dressing after the onions are planted.

"Bone meal containing about 22 per cent phosphoric and 4 per cent nitrogen is a good fertilizer for onions.

**Making His Opportunity.**  
A New York banker has made it the rule of his life never to swear except when he drops his watch, as he sometimes does absent-mindedly, and breaks it. Under strong provocation he took out his watch and flung it on the marble floor of his office. So, it seems, when you put your mind on it, there is a way to solve every problem.

**Unworthy of the Wise.**  
Revenge is ever the pleasure of a paltry spirit, of a weak and abject mind.—Juvenal.

**REDUCE YOUR LIVING EXPENSES**  
Eat Golden Cereal Foods and recommend them to your acquaintances. You get better quality and more for your money. They are made in your home state from the best Oregon Oats and Wheat. Large packages contain a Handsome Premium and all goods are guaranteed. Ask your grocer.

Golden Rod Oats. Golden Rod Pancake Flour. Golden Rod Wheat Flakes. Ralston Select Bran. Golden Rod Wheat Nuts. Golden Rod Chick Food.

**SEND YOUR MILK AND CREAM TO**  
**Damascus Creamery**  
BUTTER MILK  
VITSCH BROS. MANUFACTURERS  
PORTLAND, OREGON  
PHONE EAST 8240 HOME 6155  
Sales Department—Offices  
1222 Broadway—Portland, Or.

**United on Deathbed.**  
A pathetic marriage ceremony took place the other day, in a Budapest hospital. A German singer named Erdos, who was appearing professionally in the Hungarian capital, was suddenly taken ill with heart weakness a few days ago. He telegraphed to his sweetheart in Frankfurt, Germany, to come to him. The girl started at once, and arrived in Budapest promptly. They were married immediately in the hospital ward, and Erdos died an hour after the ceremony.

**Be thrifty on little things like bluing. Don't accept water for bluing. Ask for Red Cross Ball Blue, the extra good value blue.**

**Greelan Head-Covering.**  
The Greeks wore a hat called a petasos, which was soft and light, being made of felt; it was strapped under the chin to fasten it firmly to the head. But only the lower classes among the Greeks, such as herds and travelers, wore hats, and both sexes wore hats of the same shape. The Greek nobility and gentry wore no covering for the head out of doors, and women only adorned their hair with a wreath of flowers.

**Putting the Garters On.**  
Mrs. Brown was preserving peaches in the kitchen amid an array of glass jars, covers, rubber bands, etc. Margaret, aged four, watched the process quietly until the fruit was in the jars and the covers ready, then she exclaimed, "Oh, mother, please let me put the garters on!"

**Advantage of Electricity.**  
Electricity can not be frozen, neither can it be adulterated. It works equally well on hot or cold days.

**NEW HOTEL PERKINS**  
WASHINGTON ST. PORTLAND, OREG. WITHOUT BATH \$1.25 UP  
Most Centrally Located. NOTE THE RATES.

**Trouble With the Eyes.**  
Sometimes tiny hairs become loosened and get beneath the eyelids. Before going to all the trouble of examining the upper and lower lids, all the wash bowl with cold water and open the eyes under water. Open and shut them several times, and in nearly every instance this will wash out the bothersome hair. It will at least loosen such a hair so that it may be easily removed by the cotton-tipped nothick.

**Most Costly Wood.**  
Cable, a beautiful tree that grows on the west coast of Africa, and is also found on the island of St. Thomas, is said to furnish the most costly wood in the world. It somewhat resembles teak, and takes on a very high polish. Its price is quoted as about \$3,500 a cubic meter.

**A Picture of Contentment**  
All men look pleased when they smoke this choice tobacco—for all men like the rich quality and true, natural flavor of  
*Liggett & Myers*  
**Duke's Mixture**  
Smoked in pipes by thousands of men—everywhere known to cigarette smokers as "the makings."  
We take unusual pride in Liggett & Myers Duke's Mixture. It is our leading brand of granulated tobacco—and every sack we make is a challenge to all other tobacco manufacturers. Every 5c sack of this famous tobacco contains one and a half ounces of choice granulated tobacco, in every way equal to the best you can buy at any price, and with each sack you get a book of cigarette papers FREE.  
If you have not smoked the Duke's Mixture made by the Liggett & Myers Tobacco Co. at Durham, N. C., try it now.  
**Get a Camera with the Coupons**  
Save the coupons. With them you can get all sorts of valuable presents—articles suitable for young and old; men, women, boys and girls. You'll be delighted to see what you can get free without one cent of cost to you. Get our new illustrated catalog. As a special offer, we will send it free during September and October only. Your name and address on a postal will bring it to you.  
Coupon from Duke's Mixture may be secured with tags from HORSE SHOE, J. T. TINSLEY'S NATURAL LEAF, GRAN-GER TWIST, coupons from FOUR ROSES (10c tin double coupon), PICK PLUG CUT, FIDMONT CIGARETTES, CLIX CIGARETTES, and other tags or coupons issued by us.  
Premium Dept.  
*Liggett & Myers Tobacco Co.*  
ST. LOUIS, MO.