

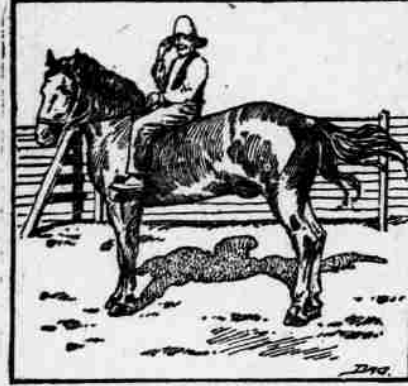
# Farm and Garden

## IMPROVING STOCK.

The Inevitable Process For Cattlemen and Horsemen.

By J. S. COTTON.

Improvement of the class of stock using the grazing lands is becoming constantly more important. The man who is running his stock in inclosed areas or contemplates so doing in the future will find it necessary if he is to be successful to carry that class of stock that will net him the greatest returns. This statement holds equally true for the outside range. In fact, there are only two methods whereby the man who expects to continue running his stock on the public domain can meet the existing conditions successfully. One is the raising of sufficient feed to carry his stock through



STALLION ON THE RANGE. (Used in improving a herd in North Dakota.)

the winter safely; the other, to run a grade of stock that shall make the largest possible returns in the shortest time.

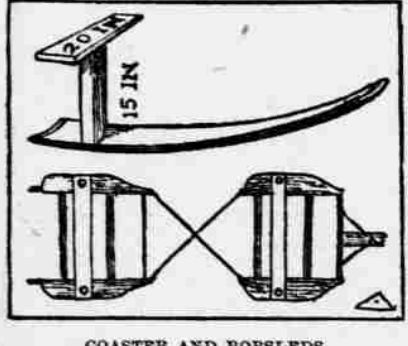
Not only must these cattle mature early, but they must be of a quality that will dress a good percentage of beef. This means that the cattleman will need to raise high grade cows and supply the very best bulls he can secure. If pure bred so much the better. In many instances the cattleman will need to grow cattle for the eastern feed yards. In producing such cattle many of these men will find it necessary to improve their herds greatly, for quality and not quantity is what the eastern feeder wants.

What has been said of cattle holds equally true of horses. Today there is almost no place for the small horse or "cayuse," while good animals are in demand. That one can afford to raise good horses on the range has been demonstrated by a stockman living in western North Dakota. During a period of low prices for range horses this man bought a high priced stallion. With this animal and nine range mares of average size and quality as a nucleus he built up a fine herd. When the stallion died he was replaced with two registered Percherons, which continued to build up the herd until it was one of the finest herds of range horses in the United States. One of these stallions is shown in the figure.

When this man got his first horse his neighbors believed that he had made a serious mistake in buying so expensive an animal. For several years while he was building up his herd, at which time horses were of almost no value, he was considerably in debt. As his stock began to improve and the price of horses increased he began to realize well from this herd, and during the last two years he has sold geldings in carload lots at \$125 a head unbroken. In the summer of 1906 he sold his entire herd, 227 head, at \$85 a head straight for all branded stock, an unusually high price for range horses. There were two mares of his own raising in the herd for which the buyers refused \$550 unbroken. This man estimates that his first stallion made for him many times what he paid for it.

For Winter Sport.

Every country boy can get a whole lot of fun out of a "go devil" coaster. The illustration shows how it is made. A barrel stave, a piece of 2 by 4 and



A piece of scrap lumber are all the material required. And here is also a method of connecting bobsleds which will cause the hind one to follow the track of the front bob on all turns.—National Stockman.

What We Want to Know.

"A heavy application of manure alone gave slightly larger yields of mixed hay at the first and second cuttings than a combination of a smaller amount of manure and potash. During the sixteen years this experiment has been in progress the average yields of ten crops of corn and six of hay have been greater on the larger amount of manure alone, but not sufficiently greater to cover the extra outlay at a cost of \$5 per cord for the manure." This nugget of experience from the Massachusetts station represents the kind of work that means much to farmers.

### TOBACCO CROPS.

Seed Selection and Improved Handling of Plants.

By W. H. SCHERFFIUS, tobacco expert, Kentucky experiment station.

The importance of good seed in every crop has been demonstrated so often that every farmer should know that it pays him well to plant only the best. Tobacco is no exception to this rule. Light, chaffy seeds that are low in vitality give us plants that are weaklings with slow growth. Various schemes for separating the light from the heavy tobacco seed have been suggested, but the most thoroughly practical method is by means of a piece of apparatus introduced by the bureau of plant industry and a current of air which is generated with the foot bellows, as shown in the cut. The air passes through the rubber tube, then through the valve, which can be regulated to admit of the passage of the desired amount of air to accomplish the best separation. The air passes up through a piece of half inch iron tube, thence through a larger glass tube and out at the top, carrying with it the light, chaffy seed. At the base of the glass tube, which is about an inch in diameter and five or six feet long, is a metallic joint which has a piece of fine wire gauze in it to prevent the seed from falling into the valve below. Using about an ounce of seed for each charge, only a few minutes are required to separate a considerable quantity.

This piece of apparatus can be made by most any mechanic, or it can be purchased from any chemical supply house. Every community should own one of these machines for the benefit of its farmers.

### PLAN TO FIGHT DISEASE.

Improved methods of handling the crop is a topic of such magnitude that we deem it expedient at this writing not to go into detailed discussion of this phase of the subject.

Although the white burley and dark tobaccos are different types, the same



general methods employed in the state for handling the crops are similar. It is desirable and usually the custom to select a piece of virgin soil for a seed bed. During the winter or early spring it is heated to a depth of two or three inches by burning brushwood or similar material on it to kill any weed seeds that would germinate and hinder the growth of the young tobacco plants. After the plot of ground is cool it is then dug up, slightly raised into beds, raked and put in good condition for the seed.

Although the cultural methods and mechanical manipulations of seedling, canvassing the beds, transplanting, cultivation and housing are adjusted to suit each locality, they are all carried out on the same general plan. There is often from two or two and one-half times as much burley tobacco set on the ground as is put on the same area in the dark tobacco district.

Bitter Rot of Apples.

It is well known that the bitter rot of apples is due to a specific fungus. This fungus grows on developing apples, beginning at any time during the summer or autumn when the conditions are favorable after the fruits are formed and until after they are ripe, and it lives as a parasite in the bark of apple tree limbs, usually in localized areas called cankers. It does not occur upon the leaves.

The fungus lives over winter in woundlike spots called cankers on the limbs of the apple trees, and from these infection may start the succeeding season. Not infrequently the location of a canker can be made out by the spots beneath it on the growing fruit caused by spores washing with rainwater from the former on to the surfaces of the apples. The area of such infection in a well fruited tree frequently takes the form of a cone with its apex upward at or beneath the limb canker. The water carrying the spores does not descend perpendicularly because of the interference of the foliage; hence the wider area of infection below.—Illinois Experiment Station.

Corn and Emmer.

In some experiments with two-year old grade steers it was found that a pound of corn was equal to one and a quarter pounds of emmer. Where the corn and emmer were mixed half and half by weight the relation was about the same, with a small increase in gain in favor of the mixture. With hogs it required seven to eight pounds of emmer as against about five pounds of corn to produce a pound of gain.

### Jersey Bull For Sale.

Descended from Grand Olin and Golden Glow, imported now testing 18 lbs better fat in 7 days, with flat cal. Address, M. S. Woodcock, Corvallis, Oregon. 72 t

### Portland and Return, Only \$3.50.

The Southern Pacific Company, and Corvallis & Eastern Railway are selling round trip tickets to Portland from Corvallis for \$3.50, good going on any train Saturday or Sunday either via Albany or west side and good returning either via Albany or west side, Saturday, Sunday or Monday.

R. C. LITTLE, Agent.

### Notice for Publication.

United States Land Office.

Portland, Oregon, October 22, 1907.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land States by act of August 4, 1892, Mrs. Bertha Jorgenson of Portland, county of Multnomah, State of Oregon, has this day filed in this office her sworn statement, No. 7562, for the purchase of the Northwest quarter of Section No. 32, in Township No. 10 South, Range No. 5 West, and will offer for sale the land sought to be purchased for its timber or stone than for agricultural purposes, and to establish her claim to said land before the Register and Receiver at Portland, Oregon, on Tuesday, the 26th day of April, 1908.

She names as witnesses: Mrs. Minnie Mack of Monmouth, Oregon; Mr. Will Mack of Monmouth, Oregon; Mr. J. C. Olson of Corvallis, Oregon; Mrs. J. C. Olson of Corvallis, Oregon.

Any and all persons claiming adversely the above described land are requested to file their claims in this office on or before said 26th day of April, 1908.

ALORANSON S. DEBBER, Register.

### Druggists Will Battle Stomach Troubles in Corvallis.

The increase of stomach troubles in Corvallis has led Graham & Wells to take effective measures to combat the disease.

They have the local agency for Mi-o-na stomach tablets, and in order to induce people suffering with weak stomach or indigestion to use the remedy, offer to supply it with the distinct understanding that money will be refunded in every case where it does not cure.

Mi-o-na is not a mere digestive, but an absolute strengthener and builder-up of the whole digestive tract. If you suffer with headaches, giddiness, palpitation, bad taste in the mouth, nervousness, coated tongue, distress after eating use Mi-o-na and see how quickly these symptoms of a weak stomach will disappear.

The remedy strengthens the muscular walls of the stomach and increases the flow of gastric juices so that nourishment is extracted from the food and the refuse is expelled without the aid of purgative or laxative medicines.

Remember that Graham & Wells give a guarantee to refund the money unless it cures. They take all the risk, and there is no danger of your losing anything except indigestion when you buy a 50-cent box of Mi-o-na.

### NOTICE OF SEWER ASSESSMENT

NOTICE IS HEREBY GIVEN that the Common Council of the City of Corvallis has assessed upon each lot or part thereof ascertained and determined by the report of the viewers to be specially benefited by the sewer constructed through Block 6, original town of Marysville, now City of Corvallis, and Block No. 1, in Dixon's First Addition to the City of Corvallis, Oregon, its proportionate share of the cost of such sewer as found by such viewers, and that the following is a description of the several lots or parts thereof so assessed, a statement of the names of the owner or owners of each lot or part thereof, if known, and of the sum assessed upon each lot or part thereof:

Block No. 6, original town of Marysville, now City of Corvallis.

Lot No. 1—Owner, J. W. Ingle..... \$42.78  
 Lot No. 2—Owner, Henry Gerhard, Elizabeth Gerhard, Mary Gerhard, Karine Gerhard..... 42.78  
 Lot No. 3—Owner, Henry Gerhard, Elizabeth Gerhard, Mary Gerhard, Katarine Gerhard..... 42.78  
 Lot No. 4—Owner, Henry Gerhard, Elizabeth Gerhard, Mary Gerhard, Katarine Gerhard..... 42.78  
 Lot No. 5—Owner—Henry Gerhard, Elizabeth Gerhard, Mary Gerhard, Katarine Gerhard..... 42.78  
 Lot No. 6—Owner, C. A. Gerhard..... 42.78  
 Lot No. 7—Owner, John Beach..... 42.78  
 Lot No. 8—Owner, Ernest Weigand and Maggie Weigand..... 42.78  
 Lot No. 9—(south half) Owner, Ernest Weigand and Maggie Weigand..... 21.39  
 Lot No. 9 (north half)—Owner, Ernest Weigand..... 21.39  
 Lot No. 10—Owner, John Bier..... 42.78  
 Lot No. 11—Owner, John Bier, Herbert Hodes 1/2..... 42.78  
 Lot No. 12—Owner, Virgil Watters..... 42.78

Block No. 1, Dixon's First Addition to the City of Corvallis.

Lot No. 1—Owner, Carrie Barden..... 42.78  
 Lot No. 2—Owner, Carrie Barden..... 42.78  
 Lot No. 3—Owner, Elizabeth McBece, George McBece, Ida McBece..... 42.78  
 Lot No. 4—Owner, Maggie E. Austin 4/5ths, Gertrude Stettler 1/5..... 42.78  
 Lot No. 5—Owner, O. W. Beckwith..... 42.78  
 Lot No. 6—Owner, O. W. Beckwith..... 42.78  
 Lot No. 7—Owner, Mary Stewart..... 42.78  
 Lot No. 8—Owner, Mary Stewart..... 42.78  
 Lot No. 9—Owner, Mary Stewart..... 42.78  
 Lot No. 10—Owner, Harley L. Hall and Grace E. Hall..... 42.78  
 Lot No. 11—Owner, F. G. Clark..... 42.78  
 Lot No. 12—Owner, F. G. Clark..... 42.78

The foregoing assessments were entered in the docket of City Liens of the City of Corvallis on the 18th day of February, 1908, and if the sum of money assessed as aforesaid upon any such lot or part thereof is not paid to the City Treasurer of the City of Corvallis within five days after the date of the final publication hereof as hereinafter noted, such sum will draw interest at the rate of eight per cent per annum after the expiration of such time and a warrant will issue directing the Chief of Police of said City to levy upon and sell such lot or part thereof to satisfy such assessment.

Date of final publication March 6, 1908.

J. F. YATES, Police Judge City of Corvallis.

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Date of final publication March 6, 1908.

J. F. YATES, Police Judge City of Corvallis.

### NOTICE OF SEWER ASSESSMENT

NOTICE IS HEREBY GIVEN that the Common Council of the City of Corvallis has assessed upon each lot or part thereof ascertained and determined by the report of the viewers to be specially benefited by the sewer constructed through Blocks 11, 12 and 13 in Dixon's Second Addition to the City of Corvallis, Oregon, its proportionate share of the cost of such sewer as found by such viewers, and that the following is a description of the several lots or parts thereof so assessed, a statement of the names of the owner or owners of each lot or part thereof, if known, and of the sum assessed upon each lot or part thereof:

Block No. 11 in Dixon's Second Addition to the City of Corvallis.

Lot No. 1—Owner, Catherine M. Tharp..... \$29.78  
 Lot No. 2—Owner, Catherine M. Tharp..... 29.78  
 Lot No. 3—Owner, Catherine M. Tharp..... 29.78  
 Lot No. 4—Owner, Prudence Chipman..... 29.78  
 Lot No. 5—Owner, Prudence Chipman..... 29.78  
 Lot No. 6—Owner, Prudence Chipman..... 29.78  
 Lot No. 7—Owner, Anna Hodes..... 29.78  
 Lot No. 8—Owner, Anna Hodes..... 29.78  
 Lot No. 9—Owner, Anna Hodes..... 29.78  
 Lot No. 10—Owner, Prudence Chipman..... 29.78  
 Lot No. 11—Owner, Prudence Chipman..... 29.78  
 Lot No. 12—Owner, Prudence Chipman..... 29.78  
 Block No. 12 in Dixon's Second Addition to the City of Corvallis.

Lot No. 1—Owner, Geo. B. Wills, Miles Hendricks..... 29.78  
 Lot No. 2—Owner, Geo. B. Wills, Miles Hendricks..... 29.78  
 Lot No. 3—Owner, Evan McLennan..... 29.78  
 Lot No. 4—Owner, Martha A. Francisco..... 29.78  
 Lot No. 5—Owner, M. C. Miller..... 29.78  
 Lot No. 6—Owner, M. C. Miller..... 29.78  
 Lot No. 7—Owner, Geo. B. Wills, Miles Hendricks..... 29.78  
 Lot No. 8—Owner, Geo. B. Wills, Miles Hendricks..... 29.78  
 Lot No. 9—Owner, C. H. Keeney..... 29.78  
 Lot No. 10—Owner, Albert J. Chessley..... 29.78  
 Lot No. 11—Owner, Mary O. Wyatt..... 29.78  
 Lot No. 12—Owner, Mary O. Wyatt..... 29.78

Block No. 13 in Dixon's Second Addition to the City of Corvallis.

Lot No. 1—Owner, Sarah F. Elgin..... 29.78  
 Lot No. 2—Owner, Sarah J. Fletcher..... 29.78  
 Lot No. 3—Owner, R. L. Buchanan..... 29.78  
 Lot No. 4—Owner, R. L. Buchanan..... 29.78  
 Lot No. 5—Owner, R. A. Hurlburt..... 29.78  
 Lot No. 6—Owner, R. A. Hurlburt..... 29.78  
 Lot No. 7—Owner, W. F. Gay..... 29.78  
 Lot No. 8—Owner, W. F. Gay..... 29.78  
 Lot No. 9—Owner, R. A. Hurlburt..... 29.78  
 Lot No. 10—Owner, R. A. Hurlburt..... 29.78  
 Lot No. 11—Owner, R. A. Hurlburt..... 29.78  
 Lot No. 12—Owner, R. A. Hurlburt..... 29.78

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Block No. 1, original town of Marysville, now City of Corvallis.

Lot No. 1, owner, Alfred H. Will \$37 11  
 Lot No. 2, owner, Alfred H. Will 37 11  
 Lot No. 3, owner, Alfred H. Will 37 11  
 Lot No. 4, owner, Alfred H. Will 37 11  
 Lot No. 5, owner, John Will..... 37 11  
 Lot No. 6, owner, John Will..... 37 11  
 Lot No. 7, owner, Robt Franklin 37 11  
 Lot No. 8, owner, Robt Franklin 37 11  
 Lot No. 9, owner, Robt Franklin 37 11  
 Lot No. 10, owner, J. T. Phillips 37 11  
 Lot No. 11, owner, J. T. Phillips 37 11  
 Lot No. 12, owner, J. T. Phillips 37 11

Block No. 2, original town of Marysville, now City of Corvallis.

Lot No. 1, owner, C & E R R Co \$37 11  
 Lot No. 2, owner, C & E R R Co 37 11  
 Lot No. 3, owner, J. H. Wortham 37 11  
 Lot No. 4, owner, John Rickard..... 37 11  
 Lot No. 5, owner, John Rickard..... 37 11  
 Lot No. 6, owner, John Rickard..... 37 11  
 Lot No. 7, owner, J. T. Phillips 37 11  
 Lot No. 8, owner, Manuel Knight 37 11  
 Lot No. 9, owner, R. H. Colbert 37 11  
 Lot No. 10, owner, R. H. Colbert 37 11  
 Lot No. 11, owner, R. H. Colbert 37 11  
 Lot No. 12, owner, R. H. Colbert 37 11

### GASOLINE ENGINE IRRIGATION, SPRAYING AND PUMPING MACHINERY

Fairbanks-Morse Gasoline Engines for pumping, spraying, sawing, grinding, outfit complete.

Fairbanks Scales, for weighing.

Fairbanks-Morse Dynamos and Motors for power and light.

Fairbanks-Morse Windmills and Towers.

Fairbanks-Morse Grinders, Feed Choppers, Well Pumps.

All first quality goods at lowest prices. Always in stock. Liberal terms. Prompt reply to inquiries and quick shipments. Write for catalogue and prices.

J. R. SMITH & CO., Agents  
 Corvallis, Oregon.

Fairbanks, Morse & Co.  
 Portland, Oregon.

Farmers.

Read the "Weekly Oregonian" of Portland and the "Corvallis Gazette" for the general news of the world, also for information about how to obtain the best results in cultivating the soil, stock raising, fruit raising, etc.

You can secure both of these excellent papers for one year by paying to the Corvallis Gazette the sum of two dollars and fifty cents, in advance. Read the money by postoffice order or bank draft and these most valuable papers will be promptly mailed to you.

In the Circuit Court of the State of Oregon for Benton County.

Hannah Rowland, Polly Mitchell, heirs-at-law of Lucretia Hallock deceased, Sara H. Strahan, Claude Strahan, Fayne Lewis, heirs-at-law of R. S. Strahan deceased, and Henry Lewis and "All whom it may concern," Defendants.

vs.

Delia Read, Plaintiff.

In the matter of the application of Delia Read, D. L. C. of Heman S. Hallock, and Lucretia Hallock, his wife, claiming under the will of Lucretia Hallock, deceased, to register the title to the following: The original of the City of Corvallis within five days after the date of the final publication hereof, as hereinafter noted, such sum will draw interest at the rate of eight per cent per annum after the expiration of such time and a warrant will issue directing the Chief of Police of said City to levy upon and sell such lot or part thereof to satisfy such assessment.

Date of final publication March 6, 1908.

J. F. YATES, Police Judge City of Corvallis.

### NOTICE OF SEWER ASSESSMENT

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Block No. 10, in the original town of Marysville, now City of Corvallis.

Lot No. 1—M. S. Woodcock..... \$53.89  
 Lot No. 2—(South 20 feet) J. G. Wuestefeld..... 21.56  
 Lot No. 2, S. 19 of N. 30 ft., P. P. Grefrow..... 20.48  
 Lot No. 2, N. 11 ft., Moses Kline..... 11.85  
 Lot No. 3, South half, Moses Kline..... 26.95  
 Lot No. 3, North half, Amelia Zierolf..... 26.94  
 Lot No. 4, South 12 ft. 4 in., Amelia Zierolf..... 13.29  
 Lot No. 4, N. 12 ft. 8 in. of N. half Jacob Webber..... 13.64  
 Lot No. 4, S. 24 ft. 3 in. of N. half A. Hodes..... 26.14  
 Lot No. 4, North 9 inches, L. F. Wilson 1/2, Thos. Whitehorn 1/2, E. R. Bryson 1/4..... .81  
 Lot No. 5, South 32 ft., L. F. Wilson 1/2, Thos. Whitehorn 1/4, E. R. Bryson 1/4..... 34.49  
 Lot No. 5, North 18 ft., Thos. Whitehorn, E. R. Bryson..... 19.40  
 Lot No. 6, The First National Bank of Corvallis..... 53.89  
 Lot No. 7, C. E. Hout..... 53.89  
 Lot No. 8, C. E. Hout..... 53.89  
 Lot No. 9, A. Hodes..... 53.89  
 Lot No. 10, Amelia Zierolf..... 53.89  
 Lot No. 11, Amelia Zierolf..... 53.89  
 Lot No. 12, M. S. Woodcock..... 53.89

### NOTICE FOR PUBLICATION.

DEPARTMENT OF THE INTERIOR.

Land Office at Roseburg, Or., Jan. 8, 1908.

Notice is hereby given that Ethel I. Wilson, of Benton Co., Or., has filed notice of her intention to take final five year proof in support of her claim, viz:

Homestead Entry No. 11019, made October 1, 1907, for the N. 1/4 of SE 1/4, Section 14, Township 14 South, Range 6 West W. M., and said proof will be made before County Clerk and Clerk of County Court at Corvallis, Oregon, on Friday, March 6, 1908.

He names the following witnesses to prove his continuous residence upon, and cultivation of, the land, viz:

Walter J. Sisson, Welberry Wilson, Albert Oakes, and James Oakes, all of Monroe, Oregon.

BENJAMIN L. EDDY, Register.

Re-advertisement. 747

### The Best Quality of PIANOS and ORGANS

At the Store of GRAHAM & WELLS<sup>®</sup>  
 Corvallis, Oregon

CUSTOMERS

Are requested to call and see them before purchasing elsewhere.

### Own Your Home

THE  
 First - National - Bank  
 of Corvallis

has some  
 TOWN LOTS

Near the State Agricultural College which you can buy on the INSTALLMENT PLAN or for cash.

### Save Ten or Twenty Dollars

per month and pay the same on a town lot. Thereafter BUILD YOUR HOME on the lot and continue to make these small monthly payments on the home and you will soon have it paid for and have no more rent to pay.

For information address  
 W. H. SAVAGE,  
 Corvallis, Or.

### Bargain Sale

OF  
 Dress Goods  
 AND  
 Shoes  
 AT  
 HENKLE & DAVIS'  
 The Gazette for Job Work.