Scientific Farming

ORCHARD NOTES.

Do not forget to cut out and burn the blackberry and raspberry canes that have fruited.

The strawberry bed still needs cultivating and hoeing. Keep busy until the ground freezes. Light frosts do not count.

Never shake off apples if you can help it. They can hardly strike so that they'll not be the worse for it.

Some folks wait till frost gives them a good big bunch before they begin to think of picking apples.

A first class orchardist must always be on the alert. Trees are harder to raise than children! Eternal vigilance must be his motto, or fungi and frost reap the profit and he has the experience.

KEEP THE EWE LAMBS.

Wise Shepherds Will Strive to Improve and Increase Flocks.

I have heard sheep men contend that it didn't pay to keep the lambs when one could buy a ewe ready to breed for what the lamb would sell for, writes E. P. Snyden in the National Stockman. The trouble is to pick up desirable breeding ewes, and I have known men to practice this plan till their flocks became so deteriorated that they gave little profit and their disreputable appearance was a discredit to the farm. The man who lets all his ewe lambs go for a series of years almost before he realizes it finds himself with superannuated ewes that give no profit and have to be sold as pelters or allowed to die on the farm.

I have always kept high grade Delaine Merinos. I used to feed the lambs through and sell them clipped, usually

SHROPSHIRE LAMB.

doing better with these lambs that sheared heavy fleeces of desirable wool than by selling them unshorn. I sometimes contracted them to go within a certain date. Twice when the time came for them to go they were dear at the contract price, and to accommodate the buyer I kept the ewe lambs. I had no trouble in letting them for a share of the wool, and always they made me a good profit, and at the end of two years I had fine young ewes that any one might be proud of.

I believe it is wise for the man who takes pride in his flock and is always trying to improve it to keep every year, no matter how high the price may be, his best ewe lambs and sell ewes that are getting a little past their prime. In this way his flock of ewes is all the time at the age of heaviest shearing and also when they are the best sucklers, raise the best lambs and hence give the most satisfactory results and greatest profits.

FERTILIZER WASTED.

Improper Handling of Barnyard Manure Causes Serious Loss.

Kansas farmers lose millions of dollars annually through the improper handling of barnyard manure, according to R. I. Throckmorton, associate professor of agronomy in the Kansas State Agricultural college. Manure is worth $4.76 a ton and should be stored in the growing season to prevent leaching.

The price per ton of the manure has been determined from experimental data upon fertility plots, said Professor Throckmorton. In the experiments alfalfa has been grown continuously since 1910, having a application of five tons of manure annually as a top dressing. The value of the manure is based on the increase secured in 1916 and value of the hay at only $8 a ton.

It is the common practice among Kansas farmers to leave the manure heap exposed to the rain, which washes out the plant food, or to pile it in a creek, to be washed away from the farm. This is bad practice, as the manure is needed on the farm to maintain the soil fertility.

The estimated value of manure produced on farms in Kansas each year from cattle, horses, sheep and hogs is $91,587,370. One-third of its value is wasted by improper handling, believes Professor Throckmorton.

Manure should be spread as produced, but in summer, while crops are growing, this is impossible. The best way to care for manure then is to construct a water tight concrete or wooden bin. It should be large enough to hold the manure produced in summer. In the fall the manure can be spread, having decreased less in value than it would have under ordinary conditions.

PROTECT YOUNG PIGS.

Newly Farrowed Litters Should Be Safeguarded Against Disease.

Protect young swine from cholera by so arranging the breeding pens and hog-houses that good drainage, sunlight and fresh air will be insured, is the advice of Dr. C. W. Hobbs, field veterinarian and superintendent of the serum laboratory at the Kansas State Agricultural college.

The young pigs are susceptible to pneumonia and other diseases. If allowed to nest in a draft they may contract disease. Their vitality will, at any rate, be lowered, making them more susceptible to cholera. Overfeeding either the mother or the young pigs, especially with fat producing food, will also render the pigs more susceptible to disease.

Do not allow communication between your hog lot and the lots belonging to neighbors, as cholera germs may be carried easily on persons' shoes. Wagons that have been used to carry infected or dead hogs will infect corn and other feed, and in this way disease may

TAMWORTH BOAR—BACON TYPE.

be brought to one's farm. Frequent cleaning and burning of litter in the hogpens will prevent any latent infection.

Hogpens, feeding troughs and buildings should be protected by regular use of a 3 per cent solution of cresol compound U. S. P. Hogs should be sprayed weekly with a 1½ per cent solution of cresol compound U. S. P.

Do not put new stock, either hogs or cattle, with hogs already on the farm. Newly purchased hogs should be put into separate inclosures well separated from the herd already on the farm and kept under observation for three weeks. This is necessary, as stock cars, unloading chutes and pens are likely to be infected with hog cholera organisms.

Burn up all carcasses of dead cattle, horses, hogs, sheep or dogs on the day they die. Do not allow chickens or hogs to have access to a dead carcass.

Ponds should be drained and thoroughly covered with lime. Where this cannot be done they should be fenced hog tight. Infected ponds and wallows become a source of infection on the farm for years, and little or nothing can be done until they are drained. When wallows exist near the drinking trough they should be plowed up and filled in after they have been drained and covered with air slaked lime. The use of the sanitary hog wallow eliminates this source of infection.

FILLING THE SILO.

Corn Should Be Fully Matured Before Being Harvested.

Corn should be cut for the silo when the ears are ripe enough so that the corn could be cut and shocked for ear corn, but while the stalks and leaves are still green. The best silage corn is produced on good rich land. On light soils or in dry seasons the corn dries up before the ears are well formed and mature.

Another important reason for allowing silage corn to mature before cutting is that mature corn makes sweeter, more palatable silage than green corn. Corn put in the silo when very green and succulent, on account of the excessive amount of moisture it contains, does not heat up to so high a temperature in the silo and is very much more sour. Stock do not eat this sour silage so well, they cannot eat so much of it, there is not so much food value in it, and it is much more likely to cause scouring. When on account of weather conditions it is necessary to put corn in the silo before it is mature, it is advisable to allow the corn to wilt after cutting in the field before putting it in the silo.

When putting in dry or overripe corn it is advisable to cut the silage in as short pieces as possible, as it may be packed closer and more air crowded out. When very green corn is put in it is advisable to cut the silage pieces long, so as to get more air in the silage and encourage heating.

Every man who has had experience in operating power machinery, whether an auto, a thrashing rig or a silo filling outfit, believes in having plenty of power. An engine just a little too small is always a cause for delay. I believe an eight or ten horsepower engine will give much better satisfaction than a smaller one on these small rigs. For an individual farm rig to run with a six horsepower engine I would recommend the use of an elevator in preference to a blower.

Good even packing of silage is an insurance against spotted silage. With a big machine two live, industrious men can be kept busy in the silo, and with the smaller rig one man can work as hard as he wants to. With a blower, a distributer in the silo is very desirable, but whether a distributer is used or not, it is essential that the silage be kept uniformly spread over the surface and well tramped. I think it desirable to keep the silage in the center of the silo lower than the outside and keep it all tramped uniformly, so that no air pockets will be formed. Every air pocket means spoiled silage.

WORKING FOR ARMY CAMP AT HERMISTON

Pendleton, Ore., Oct. 30.—The local commercial association in an effort to convince the war department of the desirability of establishing a military cantonment at Hermiston, near here, has forwarded to Washington a complete report of what Pendleton and vicinity has to offer in the way of entertainment and accommodation for officers and soldiers. A report on the Hermiston site also has gone forward. It is pointed out that there is plentiful water supply there that can be tapped at least three million gallons, the amount mentioned by military authorities as necessary for such a camp, is obtainable.

WALKER HURT AT GOLD HILL PLANT

Gold Hill, Ore., Oct. 30.—(Special)— W. R. Walker, better known as Dick Walker in Gold Hill and Grants Pass, employed at the cement plant as an assistant in the motor rooms, was seriously injured yesterday afternoon. While engaged in making alterations on a scaffold in the motor room, the supports gave way letting him fall a distance of 12 feet onto the concrete floor, fracturing several ribs and injuring his hips quite severely. He was removed to his home in Gold Hill and given medical attendance.

SHIP YARD WAGES TO BE ANNOUNCED SOON

San Francisco, Oct. 30.—That the wage adjustment board would announce its findings in the coast shipyards dispute Thursday was stated today, and it was further declared by the board that the findings would cover the entire Pacific coast, probably including Los Angeles.

Letterheads that will please you, at the Courier.

Anything to sell? Try a classified.

WASH THE KIDNEYS!

All the blood in the body passes thru the kidneys every few minutes. This is why the kidneys play such an important role in health or disease. By some misterious process the kidney selects what ought to come out of the blood and takes it out. If the kidneys are not good-workmen and become congested—poisons accumulate and we suffer from backache, headache, lumbago, rheumatism or gout. The urine is often cloudy, full of sediment; channels often get sore and sleep is disturbed at night. So it is that Dr. Pierce, of the Invalids' Hotel and Surgical Institute in Buffalo, N. Y., advises "Washing the Kidneys," by drinking six to eight glasses of water between meals and then if you want to take a harmless medicine that will clear the channels and cure the annoying symptoms, go to your nearest druggist and obtain Anuric (double strength). This "Anuric," which is so many times more potent than lithia—will drive out the uric acid poisons and bathe the kidneys and channels in a soothing liquid.

If you desire, write for free medical advice and send sample of water for free examination. Experience has taught Dr. Pierce that "Anuric" is a most powerful agent in dissolving uric acid, as hot water melts sugar. "Anuric" is a regular insurance and life-saver for all

This is the Stove Polish YOU Should Use

IT'S different from others because more care is taken in the making and the materials used are of higher grade.

Black Silk Stove Polish

Makes a brilliant, silky polish that does not rub off or dust off, and the shine lasts four times as long as ordinary stove polish. Used on sample stoves and sold by hardware and grocery dealers.

All we ask is a trial. Usek on your cook stove, your parlor stove or your gas range. If you don't find it the best stove polish you ever used, your dealer is authorized to refund your money. Insist on Black Silk Stove Polish.

Made in liquid or paste—one quality.

Black Silk Stove Polish Works
Sterling, Illinois

Use Black Silk Air-Drying Iron Enamel on grates, registers, stove-pipes. Prevents rusting. Use Black Silk Metal Polish for silver, nickel or brass. It has no equal for tender automobiles.

"A Shine in Every Drop"

NOTICE TO CONTRACTORS

Sealed proposals will be received by the State Highway commission of the state of Oregon, 1301 Yeon building, Portland, until 11:00 a. m. November 6, 1917, for grading that section of the Pacific highway in Josephine county, known as the Wolf Creek-Grave Creek section, a distance of 4.9 miles. There is approximately 75,000 cubic yards of excavation involved.

No bids will be considered unless accompanied by cash, bidder's bond or certified check for an amount equal to at least five (5%) per cent of the total amount of the bid.

A corporate surety bond will be required for the faithful performance of the contract in a sum equal to one-half the total amount of the bid.

Proposal blanks and full information for bidders may be obtained at the office of the State Highway commission and the State Highway engineer in the state house, at Salem, Oregon.

Plans and specifications and forms of contract may be seen at the same place or may be obtained upon the deposit of $5.00.

The right is reserved to reject any or all proposals or to accept the proposal deemed best for the state of Oregon.

STATE HIGHWAY COMMISSION,
S. BENSON, Chairman.
W. L. THOMPSON, Commissioner.
E. J. ADAMS, Commissioner.
Attest:
HERBERT NUNN,
State Highway Engineer. Salem Oregon, October 18, 1917. 98

The California and Oregon Coast Railroad Company

TIME CARD

Effective June 1, 1917.
Daily except Sunday.

Train 1 lv. Grants Pass.. 1:00 p. m.
Train 2 lv. Waters Creek 3:00 p. m.

All trains leave Grants Pass from the corner of G and Eighth streets, opposite the Southern Pacific depot.

For all information regarding freight and passenger service call at the office of the company, Public Service building, or phone 131 for same.

ONE ADVERTISEMENT WILL NOT MAKE YOU A FORTUNE, BUT IT WILL SERVE AS A STONE IN THE FOUNDATION OF BUSINESS SUCCESS :: ::

TO RENT

TREMONT ROOMS — Now under managment of Mrs. L. C. Armstrong; 28 clean rooms at 35c and 50c; special rates by week or month; also light housekeeping rooms. Would like your patronage. 40tf

FOR RENT—Furnished rooms. Also barn to be used as garage. Mrs. F. A. Coe, 804 Washington Blvd. Phone 164-J. 68tf

ROOM for rent, ground floor, hot and cold water, outside entrance. Mrs. R. H. Lee, 211 West A. tf

FURNISHED ROOMS—Large, comfortable and conviently located. 411 C street. 86tf

FOR RENT—Furnished housekeeping rooms, also single rooms. Close in. Reasonable. Mrs. T. E. Howard, 621 D street, corner Seventh. 97

FOR RENT—Furnished five-room cottage with garage after November first. Inquire G. P. Jester, Grants Pass Banking Co., or phone 168-R. 93tf

Classified Advertising

FOR SALE

O. & C. GRANT LANDS—Blue print plats showing lands in Josephine county, $1.50. Address A. E. Voorhies, Grants Pass tf

FOR SALE—One horse, panel-top delivery wagon. Call at Wardrobe cleaners, 315 North Sixth street, or phone 147. 82tf

FOR SALE—One "Wade" portable drag saw, working every day. A bargain if taken at once. Roy Kelley, Wolf Creek, Ore. 95

FOR SALE—Bargain if sold at once. No. 300 West C street, one good 7-room house, one and one-half lots, close in, worth $1,200, for $800. Terms is desired. Address F. G. Buell, Dillard, Ore. 12

TWO LOTS on M street for sale or trade. Address No. 2050 care of Courier. 95

FOR SALE—Team, weight about 2,500. Good pullers. Will trade for anything we could use. Finley Bros. 101

FOR SALE—Team, harness, wagon and hack. Will sell separately or all together. Savage Bros. saw mill. 95

FOR SALE—One pair high-bred Swiss milch goates. Phone 124-R. F. G. Isham, East A street. 95

FOR SALE—20 h. p. gas engine and 8x8 compressor, hoisting engine. 608 North Ninth street. 96

FOR SALE—Chrome, one car load on dump ready for shipment and work continues. J. M. Finch, Kerby, Ore. 96

FOR SALE—At half price. My loss your gain. Three-fourths of an acre and bungalow. Best soil. Desirable location. Located at 1012 North Ninth street, Grants Pass. Clear of incumbrances. Price $500. Terms. You will have to hurry if you get this. Inquire of owner, E. H. McMullen, 738 Eighth street, Astoria, Oregon. 96

FOR SALE—Beet rack cheap. H. E. Gordon. Phone 610-F-34. R. F. D. No. 2. 96

A BARGAIN—Five-passenger, 30 h. p. Chalmers-30, guaranteed to be in good running order, three extra tires, $175 cash. See Clarence Burke, Fashion garage. 96

SPLENDID OAK roll-top desk, two stoves, small library table, for sale. O. S. Blanchard. 92tf

DEALERS in horses, mules, cattle, wagons, hacks, buggies, harness and saddles. We have a variety of all kinds at all times. If you have anything to sell or exchange, or if you want to buy, come and see us. We will treat you right. All our livestock is put out under guarantee. Red Front Feed and Sale Stable, Corner Sixth and K streets. Timmons & Higgins, Proprs. 116

FOR SALE—Good Spitzenberg apples picked from trees, 50 cents per sack, selected from the ground 25 cents per sack. Order early or come to orchards. Geo. A. Hamilton, east of Sugar Factory. 98

FOR SALE—Two horses. One gelding, $60; one mare $45. Each in good condition and weigh about 1175 pounds. A. N. Parsons. 98

FOR SALE—All kinds of flour, feed, hay, and mill feed, seed grains at prices reasonable. We solicity your patronage. Burkhalter & Haberman, 614 I street. 19

1918 CHALMERS and a classy bug for sale or trade. Battery Shop. 99

FOR SALE—Loose grain hay in barn. John B. Hair, Rogue River, Ore. 99

HOTELS

THE GENEROUS well-cooked moderate priced meals at the American restaurant always please. For proof ask any of our patrons. Clean rooms, moderate prices 99

MISCELLANEOUS

CLOTHES REPAIRED — Mending and darning neatly done at 411 C St. 36tf

TAXI SERVICE

ARE YOU GOING or not going, that is the question. Call Jitney Luke at the Spa or phone 262-R. Always at your service for city or country calls. 90tf

A two foot rule—do not wear tight shoes.

Don't be a miser. Shrouds have no pockets.

PHYSICIANS

L. O. CLEMENT, M. D.—Practice limited to diseases of the eye, ear, nose and throat. Glasses fitted. Office hours 9-12, 2-5, or on appointment. Office phone, 62; residence phone 359-J.

S. LOUGHRIDGE, M. D., Physician and surgeon. City or country calls attended day or night. Residence phone 369; office phone 182. Sixth and H. Tuffs Building.

DR. ED. BYWATER—Specialist on diseases of the eye, ear, nose and throat; glasses fitted. Office Hours 9 to 12 a. m., 2 to 5 p. m. Phones Residence 260-L; office 260-J; Masonic Temple, Grants Pass, Ore.

A. A. WITHAM, M. D., Physician and surgeon. Office: Hall Bldg., corner Sixth and I streets. Phones: Office, 116; residence, 288-J. Hours, 9 a. m. to 4 p. m.

DENTISTS

E. C. MACY, D. M. D.—First-class dentistry. 109½ South Sixth street, Grants Pass, Oregon.

ATTORNEYS

H. D. Norton, Attorney-at-law. Practice in all State and Federal Courts. First National Bank Bldg.

COLVIG & WILLIAMS Attorneys-at-Law Grants Pass Banking Co. Bldg. Grants Pass, Oregon.

E. S. VAN DYKE, Attorney. Practice in all courts. First National Bank Building.

DURHAM & RICHARD, Attorneys-at-Law. Office Masonic Temple, Grants Pass Oregon.

W. T. MILLER.— Attorney-at-Law County attorney for Josephine County. Office: Schallhorn Bldg.

O. S. BLANCHARD. Attorney-at-Law, Grants Pass Banking Co. Bldg. Phone 270. Grants Pass, Oregon

V. A. CLEMENTS—Attorney-at-Law Practice in state and federal courts. Rooms 2, and 3, over Golden Rule Store.

BLANCHARD & BLANCHARD, Attorneys, Albert block, phone 236-J Practice in all courts; land board attorneys.

VETERINARY SURGEON

DR. R. J. BESTUL, Veterinarian. Office in Winetrout Implement Bldg. Phone 113-J. Residence Phone 305-R.

DRAYAGE AND TRANSFER

COMMERCIAL TRANSFER CO. All kinds of drayage and transfer work carefully and promptly done. Phone 181-J. Stand at freight depot. A. Shade, Prop.

F. G. ISHAM, drayage and transfer. Safes, pianos and furniture moved packed, shipped and stored. Phone Clark and Holman, No. 50. Residence phone 124-R.

THE WORLD MOVES; so do we. Bunch Bros. Transfer Co. Phone 397-R.

WANTED

JUNK WANTED—Anything you have in junk; hides a specialty. Phone 21, Union Junk Co. 110

WANTED—All school warrants of District No. 4, Josephine county, up to date. Interest ceases after date. C. E. Tucker, clerk. 98

FALSE TEETH—We pay as high as $17.50 per set for old false teeth, no matter if broken, also gold crowns, bridgework. Mail to Berner's False Teeth Specialty, 22 Third street, Troy, N. Y., and receive cash by return mail. 112

NIGHT FIREMAN wanted—Must understand steam boiler. Easy work, good pay. A good proposition for the right man. Job lasts until January 1. Call at Eismann Fruit dryer, across the Sixth St. bridge. tf

WANTED—Correspondence with owner of small sawmill. Have location in Rogue river valley with 12 to 15,000,000 feet available. Yellow pine and fire timber. Address 1200 E. 22nd street North, Z. A. Gillette, Portland, Ore. 104

ASSAYERS

E. R. CROUCH—Assayer, chemist metallurgist. Rooms 201-203 Hall Building, Grants Pass.

MUSICAL INSTRUCTION

J. S. MACMURRAY, teacher of voice culture and singing. Lessons given at home of pupil if requested. Address 716 Lee St. 851tf

PHOTO STUDIO

THE PICTURE MILL open daily 10 a. m. to 5 p. m. For Sunday sittings call Mill 283-R or residence 140-J. 78tf