

WET HAY PROBLEM GETS ATTENTION

W. K. Newell, of Gaston, Explains Preservative Methods
 Professor Scudder, of O. A. C., Tells How to Utilize "Spoiled Hay"

Every June the Willamette Valley farmer has to face the problem of saving his clover hay. In such a season as this it is an exceedingly difficult problem, but I have partially solved it by filling a silo, and by providing hay caps for the cocks in the field. Clover makes a fair grade of silage for summer feeding, and the wetter it is the better it packs into the silo.

A trial of the muslin hay caps convinces me that they will save the crop in any ordinary rainy June. A field of clover was cut the 9th and 10th of June, shocked up and covered with the caps just before the rains began. It stood all during the heavy rain without leaking a drop through the caps, but after ten days began to spoil from the ground. Advantage was taken of a few hours between showers to turn the cocks up side down and re-cap them. They stood thus until the 26th, when they were opened up and aired out and hauled into the barn the next day, a fairly good lot of hay.

The caps were made as follows: Unbleached "Cabot A" muslin was purchased from the local merchant at 12½ cents per yard. It was 45 inches wide and was torn into strips 40 inches long, a stout 12-inch string tied to each corner, and a half pound wooden block tied to the end of each string. Not one of them blew off at any time, nor did a drop of rain penetrate them.

The caps cost a little less than 17 cents each, making the cost of covering a ton of hay about \$2.50. As the caps should last 8 or 10 years the cost is small.

W. K. NEWELL.—Oregonian

Disposing of Spoiled Hay

Every ton of hay spoiled by moisture due to excessive rain contains as much plant food as is taken away from the farm in 30 bushels of wheat, or 66 bushels of oats, or 200 bushels of potatoes, or 600 bushels of apples, or one ton of fat hogs, or four tons of milk, or ten tons of butter.

Each acre of this spoiled hay that is applied to the land will permit the raising of three 30-bushel wheat crops, or five 40-bushel oat crops or three

200-bushel potato crops, or three 600-bushel apple crops, without any depreciation in the fertility of the soil, and where applied to lands not now giving a maximum crop will bring a greatly increased yield and still leave the soil enriched.

The question has come to us what to do with this spoiled hay which is valueless for food. Many farmers are leaving it on the ground and it is killing out the growth underneath the cocks or windrows, so that when it is removed the weeds will spring up and injure the second cutting. Other farmers are rolling it up and burning it. The folly of this can be seen at a glance. It should be hauled to the barnyard and thrown in deep piles. In other words it should be composted or allowed to rot. In many cases it may be hauled off and spread at once on the stubblefield that is to be plowed. Before plowing it should be thoroughly disked and mixed with the surface soil. Every ton of this damaged hay is equal approximately to four tons of fresh manure in plant food value.

The farmer who has damaged hay in the field and will make use of it as a fertilizer will suffer little or no loss. The principle governing here is the same as that which requires that hay be not sold at all, but be fed to livestock on the farm.

Don't burn the hay, then, the bulk of its fertility content—the nitrogen—goes up in smoke. Don't leave it laying in the field, for then it destroys the meadow and brings on weeds. Certainly, there should be no question as to what should be done with the spoiled hay.—Pacific Homestead.

A lot of new machinery has been added to the equipment at the Forest Grove Planing Mill, making the company better prepared than ever to handle building propositions. Let them figure on your work.

Markets

WILLAMETTE VALLEY—Apple and Pear crops somewhat below normal.

Peaches—More than last year and better.

The Prune crop of Willamette Valley, Oregon and Clark county, Washington, promises to more than double that of the last two years, and even then it would be less than normal.—Fruit and Produce Distributor.

Misses Rita Watson and Cressa Tennis, returned home Friday evening after spending a few days in Yamhill with friends.

When in need of some more office stationary call on the PRESS job department. Envelopes, cards, letterheads, circular letters, bill heads etc.

REFINING SUGAR.

Process by Which the Best White Products Are Obtained.

The method used by the best sugar refineries is substantially as follows: The raw sugar is dissolved in large cisterns on the ground floor, enough hot water being added to produce a specific gravity of 1.25. The solution is then drawn through a connecting pipe having a coarse wire strainer into large pumps, by which it is pumped into the highest story of the building, usually the seventh or eighth. It there passes into vessels heated by steam coils to a temperature of about 210 F. Milk of lime is added to the solution in these pans for the purpose of neutralizing any acid which it may contain.

From these pans the liquid passes down to the next floor, where it is filtered through a series of bags, each made of two thicknesses of cloth, an outer one of coarse and an inner one of fine cotton. The bags are inclosed in boxes to prevent cooling. After leaving these the sirup is run through filters of boneblack, which absorbs all the coloring matter left in it. After leaving these it is pumped into vacuum pans—large vessels heated by steam and exhausted by air pumps. The pressure being thus reduced, the liquid is boiled at a lower and lower temperature until, at 140 degrees, evaporation is complete and the sirup rapidly crystallizes into sugar.

This is the process by which the best white sugar is made, while poorer qualities are prepared by a method less complete.—St. Louis Republic.

Mr. and Mrs. Fletcher registered ready to vote this fall when the polls open, and we note from the books that Mr. Fletcher has been 49 years in Oregon and Mrs. Fletcher has spent 60 years in this state.

Mrs. J. A. Hall left Sunday morning for a few weeks recuperation at Tillamook.

REAL ESTATE TRANSFERS.

Transfers for week ending July 14, 1913.

Hattie Boos and hus to C G Seth 50 acres in DLC of Chas Conklin and wf No 53, 1 N 3 \$5700.

William Ryan and wf to Frank B Morton lot 3, blk 4, Thorns add to Hillsboro \$10.

A. H. Weaver and wf to E. L. Cummings 19.75 acres in Joel Fairchild C L C 1 N 4 \$10.

John Pearson to Fred J. Beno and wf lot 1, blk 2, Sherwood Acres \$100. H L Boyle and wf to Grace E Glancey 10 acres in sec 2, 3 S 1 \$10.

A I Anderson to John Grossenbacher 10 acres in sec 6, 3 S 1 \$10.

Leon T Sills and wf to A H Weaver and wf 1 acre on 7th St. Forest Grove \$10.

C D Shaw and wf to Albert E Rosser and wf 6 acres in John H Walker DLC No 49, sec 5, 2 S 3 \$10.

Thomas F Custer and wf to Dollie Smith 1 acre adjoining Yerex Subdivision, sec 21 \$500.

Sarah Wilkin to Samuel Adams et al 5000 sq ft in SW¼ sec 24, T 2 S R 1 W \$1400.

J H Shipley and wf to H O Yelsey and wf lots 4 and 5 McGills Acre Tracts \$1200.

J. Cooper and Irene Cooper to Gus Phillips part of lot 4, blk 8, Forest Grove \$10.

Charles E Hall to Della M Hall 6250 sq ft in sec 31 2 N 3, \$10.

David Keck and wf to Annabel Sparkman W½ of SW¼ sec 15, 1 N 4 \$10.

Ruth Trust Company to Frank A Webster 10 acres in J W Chambers DLC, 3 1 N \$2500.

Joseph N Miller and wf to William L Maat and wf 30.34 acres in Noah Jobe D L C No 50 1 S 3, \$10.

Samuel C Jaggar and wf to Louise Wells SW qr of SE qr of SW sec 342 S 1, \$10.

Oscar N Blair and wf to Mary Belle Boanorff tract 22 Virginia Place subdivision, \$1650.

Percilla Alveretta Noyes to Mrs A L Cornish 5 acres in sec 5 2 S 3, \$265.

George Hemmy and wf to Oregon Electric Company .573 acres in NW¼ of NW¼ sec 11 1 N 2, \$300.

H E Emmott and wf to Charles L Chatterton et al lots 1 and 6 Freeman Acres, \$11,000.

Ole Hager to O B Kraus lot 3, blk 4 Lake View add to Gaston, \$185.

Louise Juncker Boyer McDonald and hus to I H Smith 4 acres in sec 14 1 N 4, \$1000.

Margaret M Wetherbee and hus to W E Catterlin NW¼ of NW¼ sec 32 1 S 3 and E½ of E½ of NE¼ of NE¼ sec 31 1 S 3, \$15,000.

Katherine H McClung and hus to W E Catterlin W½ of E½ of NE¼ of NE¼ of NE¼ sec 31 1 S 3, \$1.

B A Upton and wf to F M Hutchinson and wf lot 32 Willow Brook Farm \$5000.

F M Crabtree and wf to F M Crabtree Sr E½ of SW¼, NW¼ of SE qr and N½ of N½ of SW¼ of SE¼ sec 12 2 S 3, also strip 30 ft wide 80 rds long, in said sec 12 2 S 3; also 100x50 ft in lot 6 blk 11, Simmons' add to Hillsboro, \$10.

GEORGE F. COTTERILL



Geo. F. Cotterill, Mayor of Seattle, who blames the Seattle Times for the attacks on I. W. W. and Socialist halls by bluejackets.

BALLOONIST LEAPS TO DEATH

Parachute Jumper Dies in First Aeroplane Drop

Seattle.—Francis L. Thayer, aged 47 years, a parachute jumper, known throughout the west, was drowned while making a parachute descent from an aeroplane as part of the Pot latch air sports.

He went up in an aeroplane with Johnny Bryant. At a height of 750 feet he dropped from the aeroplane. After a descent of 100 feet he broke loose from the parachute and fell to the water.

Thayer did not rise to the surface after going into the water. He had been giving parachute exhibitions 25 years. Thayer called Chicago his home. He leaves a widow, in Seattle, and relatives at Aberdeen, Wash.

Liquors To Be Seized

Salem, Or.—Governor West has issued a proclamation instructing peace officers to seize all intoxicating liquors shipped into the state in violation of federal and state laws.

"It is daily brought to the attention of this office," says the proclamation, "that unlawful shipments of such liquor are being made, particularly by means of ocean and river steamers plying between points within this state and points within this and other states."

REVOLT IN CHINA GROWS ALARMING

Pekin.—The Chinese government is still dispatching troops to subdue the revolutionary movement in the disaffected southern provinces, but has not withdrawn any soldiers from Mongolia.

President Yuan Shi Kai is anxious to proceed south to lead his troops, but his associates have persuaded him to remain in Peking, for fear that he might be assassinated on the way to the scene of hostilities.

It is now generally believed that General Sun Yat Sen, former provisional president of the republic, who has taken sides with the southerners and who is now at Nanking, and General Huang Sing, former generalissimo of the revolutionary army, never intended to support President Yuan Shi Kai permanently, but only to use him to bring the revolution to a successful end.

Bulgaria Not to Make Resistance

London.—Any idea that the Bulgarian army is preparing for a counter stroke has been abandoned. It has become known that in his anxiety to bring about peace, King Ferdinand appealed to the German emperor regarding Roumania's action. The nature of the emperor's reply has not been disclosed.

A semi-official dispatch from Sofia says that even should the Roumanians invade the capital no resistance would be offered.

THE MARKETS.

Portland.
 Wheat—Club, 86c; bluestem, 90c; red Russian, 84c.
 Hay—Timothy, \$18; alfalfa, \$13.
 Butter—Creamery, 30c.
 Eggs—Candied, 27c; ranch, 25c.
 Wool—Eastern Oregon, 16c; Willamette valley, 19c.

Seattle.

Wheat, new crop—Bluestem, 82c; club, 79c; red Russian, 75c.
 Eggs—28c.
 Butter—Creamery, 31c.
 Hay—Timothy, \$18 per ton; alfalfa, \$13 per ton.

CLASSIFIED ADVERTISEMENTS

Have you anything for sale, or to exchange? Do you wish anything and do not know where to get it? Have you lost or found anything? The solution of these and many other problems is a classified advertisement in The Press.

To EXCHANGE—Old spuds for one-half amount returned this fall. E. L. Naylor, City. 36tf

FOR SALE—Young 5-year-old horse, weighs about 1200 lbs., kind, gentle and true. Price \$150. J. H. Humphreys, Gaston, R. 2. 37t3

WOOD WANTED—The PRESS desires to secure several cords of both Oak and Fir wood to apply on subscription, advertising, or job work.

Wanted a couple of young calves, either sex. Phone 0185, Edw. L. Naylor. 27tf

WANTED—Young pigs, phone 1047, Mary R. Sorber, 36tf

WANTED—The PRESS desires to secure a live correspondent in every community in Washington county. Send in your application at once.

FOR RENT—Furnished house. Inquire at E. H. Coleman's, Cor. 3rd Ave. and 6th street.

WM. WEITZEL

Tinning and Plumbing, Sheet Metal Work and Repair Shop.

North First Avenue, between Main and "A" Streets; phone 863.

SURVEYOR

All kinds of surveying and mapping. Subdivisions a specialty.

H. B. GLAISYER, Hoffman & Allen Bld'g Phone 806 Forest Grove, Ore.



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PACIFIC UNIVERSITY, Forest Grove, Ore.

LEGAL NOTICES

Notice to the Public.

Notice is hereby given that the long Bridge across Dairy Creek, West of Hillsboro, will be closed to traffic after Tuesday, July 15th, 1913, from 8 a. m. to 5 p. m. of each day until the repairs on the same are completed.

By order of the County Court of Washington County, Oregon.

D. B. REASONER, County Judge.

Call For Janitor Bids.

Forest Grove, Ore., 7-17-13. The School Board will receive sealed bids for Janitorship of the Lincoln, Central and New School Buildings. Number of rooms to be in use in each and rules governing duties on file at Clerk's office.

Bids will be received until 12 o'clock noon, July 20th, 1913. M. PETERSON, Chairman Board of Directors, Dist. Number 15, Washington County, Ore.

H. C. PARKER, Clerk.

Call for Bids, School Furniture.

Forest Grove, Ore., July 17th, 1913. The School Board will receive sealed bids for school furniture, list of which is on file at Clerk's office.

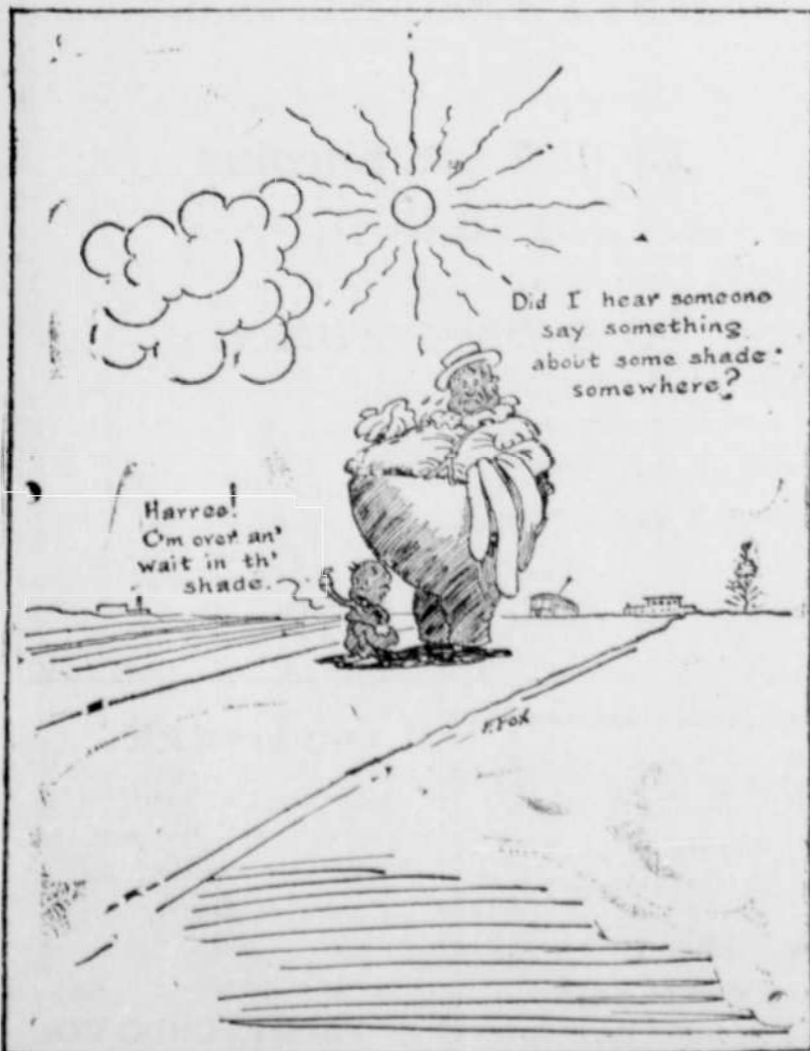
Bids will be received until 12 o'clock noon, July 22nd, 1913. M. PETERSON, Chairman Board of Directors, Dist. Number 15, Washington County, Ore.

H. C. PARKER, Clerk.

Here From Portland Mr. E. Davis' daughter Mrs. Vanvelain of Portland, and little son Herbert are visiting at home this week.

PRESS Job Printing Satisfies

WOULD LIKE TO GET UNDER IT HIMSELF.



—Fox in New York Evening Sun.