

FARM FIELD AND GARDEN

THE CARE OF MEADOWS.

A Well Seeded Top Dressed Field In Good Condition Many Years.

Conceding that American meadows cannot be given the permanence that is common in the moist English climate, there is yet no reason why these should not hold longer than they do, and that when plowed up it shall not be a matter of necessity. When a sod has run out, there is comparatively little vegetable matter in it to decompose after plowing and furnish the plant food required to start a new sod. Hence the plowing of an old run out sod always requires a manure dressing to turn under as recompense for the deficiency of grass and roots. It would be better in most cases if this manure could be used a year or two earlier, putting it on the grass as top dressing and maintaining the grass yield at a paying rate until the proper time came to plow the field and reseed.

One of the chief reasons why there is not more top dressing of meadows is because the original seeding was so poor that it seems hardly worth while to do anything for it until the field is plowed. It is very difficult to make grass increase from a poor stand to a good one in our climate. It is much better, as well as cheaper, to get a good seeding in the first place.

Modern tillage implements enable the farmer to get a very fine tilth on his fields in which to sow grass seed. If the seeding is done on winter grain, the alternate freezing and thawing of winter will, with very little help from the harrow, make as good a seed bed as he can wish. If the farmer has then any manure, either fine or coarse, that is the proper time to apply it. Even without fertilizer the thorough preparation of the seed bed will generally give a full stand of grass or clover the first year. But manure makes the growth so much larger that all that can be spared should be thus used. It will tell when the field comes to be plowed in the larger bulk of grass and clover roots that the plow will turn over.

With a well seeded and top dressed field to begin with, the cost of keeping it in condition for two, three or four years is not great. If the second season the grass appears all right, it will yet be greatly benefited and the yield of hay increased by early harrowing of the surface, followed by the roller to press the loosened stones into the soil. This should be done, if possible, just before a rain. It is surprising how much difference in growth of grass a very slight scratching of the surface soil will make.

If the meadow has been pastured during the fall, all the droppings of stock lying on the surface should be broken up some time during the winter and scattered over the surface. When the drag passes over these, they will be still more broken up and mixed with the surface soil. Treated in this way, the turf will absorb moisture from even the slightest rains instead of having the water run off, as it is apt to do on soil that has not had its surface broken by the drag teeth, says American Cultivator, authority for the foregoing.

THE CHINCH BUG.

Effective Work May Now Be Done to Prevent Injuries Next Year.

During the past season the chinch bug appeared in a great many localities in the west, and while in some places it did a great deal of damage, not a tithe of injury was inflicted by it that would have been the case had it not been that the growing season was an unusually rainy one. The chinch bug is evidently of southern origin, and his name is derived from chinchco, that being the Spanish name for the bedbug, to which in one stage of his existence the chinch bug bears a strong resemblance. He is an old settler in this country, having been first found in North Carolina in 1783. His favorite food is wheat, barley, corn and grasses. Not being provided with jaws for biting, he does not eat them, but instead sucks the life out of the plants by the means of a little tube with which he is provided.

The adult bug passes through the winter hidden close to the roots of his favorite grasses, preferring those that stool freely, and appears in the spring as soon as it becomes warm enough for life to start freely. The eggs are very small and whitish, and are laid in early spring at the roots of grasses and grains. They hatch in about two weeks and the young bugs, which are called nymphs, are at first yellow in color, and it is in this stage of their existence that they resemble the Spanish chinchco. They soon turn to a bright red, except a portion of the fore part of the body which is darker. They molt four times before maturing their wings, then become fully developed. Five weeks are usually required to effect the change. Eggs are then laid for the second brood, and it is this one that carries the species through the winter again. The presence of the bugs on grass or grain may often be detected at a distance by the wilted or withered appearance of the infested plants.

In wet seasons a fungous disease develops in them which kills them in great quantities, and thus puts a period to their destructive work. A good many attempts have been made to use this disease for the purpose of heading off the attacks of the bugs, and in many instances the plan has been successful. It is not always reliable, however, for the reason that for the active development of the fungus a very considerable amount of heat and moisture are necessary, so that while it is quite easy to propagate the disease and destroy bugs without limit in the laboratory it is not always so easy to do it in field work, where the conditions in this respect are not under control.

The reason why reference to the chinch bug is made at this time, says the Iowa Homestead, authority for the foregoing, is because this is the season when the most effective work can be done to prevent injuries by the chinch bug next year. This is done by burning over infested sections and by deep plowing late in the fall. If burning be resorted to, the localities where the insects are hibernating should be sought out and the infested places burned over early in the winter, and when it is possible, it is well to follow the burning with deep plowing and harrowing. Those of our readers who live in localities where the chinch bug appeared in destructive numbers during the past season will do well to take these precautions in the late fall and early winter of this year, with the assurance that it is the best known method of securing immunity from an attack next season.

Furrowing Winter Wheat.

Where winter wheat is sown, furrows should be run through the low places and made deep enough to carry off surface water if it comes suddenly while the ground is frozen. The work should be done as soon as possible after the wheat is sown, as, if the leaf has much size, the plant partly buried in cold, moist ground cannot live through the winter. This furrowing out of wheat lands is less common than it used to be, as it doubtless wrenches the reaping machines crossing the furrows. But it is better to cut the wheat in lands than to go over several square rods of land where the wheat was killed out by having water stand on it which a furrow would have carried away.

An underdrain will not always carry away water, for if the ground is frozen over it the water cannot get down to it. We have ridden the reaper often in cutting wheat on furrowed ground and never broke a machine in that way. In truth, the frost breaks down the soil and mostly fills the furrow with fine soil, so that it is always much shallower in the spring than it was when made the previous fall.—American Cultivator.

Oregon City Market Report.

(Corrected weekly.)

Wheat—No. 1 merchantable, 80 cents per bushel.
Flour—Portland, \$5.00; Howard's Best, \$4.90; Fisher's Best, \$4.90; Dayton, \$4.90; Pendleton, \$5.10.
Oats—in sks, white, 40 cents per bushel, gray, 40.
Millstuffs—Bran, \$15.50 per ton; shorts, \$17.00 per ton.
Potatoes—60 cents per sack.
Eggs, 30 cents per dozen.
Butter—Ranch, 25 to 35 cents per roll. Onions, 55c per sack.
Green apples, 90c to \$1 per box.
Dried Fruits—Apples, unbleached, 5 cents; 50-pound boxes, evaporated, 6c; prunes, 5 to 7 cents; plums, 4c.
Bacon—Hams, 9 to 10 cents; sides, 7; shoulders, 5 to 6; lard, 6½ to 7.
Livestock and Dressed Meats—Beef, live, 2 to 2½ cents; hogs, live 2½ cents; hogs dressed, 3½ to 3¾ cents; sheep, \$1.50 to \$2.00 per head; veal, dressed, 5 cents.
Poultry—Chickens, young, from \$1.50; old \$3.00, turkeys, alive, 8 cents per pound.

Our Standing at Home.

"Four out of every five bottles of medicine sold in the last five years are S. B. goods. The S. B. Headache and Liver Cure I use myself as a general physic. If you are sick and want to get well, the quickest, cheapest and safest method is to buy the S. B. remedies and use as directed. C. P. BALCH, druggist, Dufur, Or." For sale by C. G. Huntley.

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Farmers and the traveling public will find a comfortable home-like place to stop at when in Oregon City at the Oriental Hotel. Table supplied with an abundance of the best the market affords. Rooms and beds are clean and comfortable.

Our 25 cent meals are not excelled.

JOHN DRESCHER, Prop.

For the Lungs.

Elder Alson W. Steers writes from Portland, Or., "There is no medicine for the throat and lungs that I can recommend to ministers, public speakers and singers, with the confidence that I can the S. B. Cough Cure." 50 cents a bottle. For sale by C. G. Huntley, druggist.

For the Kidneys.

"I am 65 years old; have had kidney disease and constipation for 25 years. Am now well—used your S. B. Headache and Liver Cure one year. Used 6 bottles at 50 cents each. J. H. Knight, Rutledge, Or." For sale by C. G. Huntley, druggist.

Worthy of Notice.

The S. B. Medicine company is the only one out of nine proprietary medicine firms incorporated on this coast since 1887 that has not made an assignment. These hard times with new newspaper advertising contracts for two years, it speaks loudly of their merit. For sale by C. G. Huntley, druggist.

LOCKHART, TEXAS, Oct. 15, 1889.

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Dear Sirs:—Ship us as soon as possible 2 gross Grove's Tasteless Chill Tonic and will not have any other. In our experience of over 20 years in the drug business, we have never sold any medicine which gives such universal satisfaction. Yours respectfully,

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The latest in visiting cards at the ENTERPRISE OFFICE. Prices to suit you.

REAL ESTATE TRANSFERS.

Furnished Every Week by the Clackamas Abstract & Trust Company.

Henry Harms to Geo A Weber Nov 7, '96 W D w/g blk E, Parkplace \$ 500
John C Bradley to Mary L Bradley Dec 4, '96 Q C deed lot 2 blk 131, Oregon City 500
E N Wells to H J Scott Dec 21, '96 W D lot 10 blk 28, Gladstone 100
W P Roberts to R T New Dec 18, '96 W D e/g of sw ¼ of w ¼ of sec 32 t 1 s r 5 e 50
R T New to Mrs E Roberts Dec 19, '96 W D e/g of sw ¼ of w ¼ of sec 32 t 1 s r 5 e 50
Chas Ringelstein to S Rachi July 25, '96 W D 10 acres in sec 33 t 3 s r 1 e 350
T E Gault to W F Hubbard Dec 16, '96 W D 21.82 acres Latourette cl 1600
J Cocklebas to C M Bailey Oct 20, '96 W D n/w ¼ of sec 7, t 2 s r 7 e 1
J T Mason to F A Schmidt Dec 23, '96 D 1 lots 1 and 2 sec 21 and lots 1 and 2 sec 28, t 3 s r 3 e 703
E B Hawley to B O Sawyer Dec 22, '96 W D 35 acres Harper-Waterbury cl 800
J W Roots to W P Weismandel Dec 22 '96, W D lots 1 and 2 blk 26, Roots Add 160
J B Zeigler to Thos Gibbs Dec 19, '96 W D lots 1 7 8 2 and 6 blk 32, Canemah tract adjoining same part of tract 110, Gladstone 125
J W Roots to C L Roadman Dec 23 '96 W D 3¼ acres in sec 8, t 2 s r 2 e 200
T L Turner to J A Turner Dec 9 '96 a 70 cres in n/w sec 13 t 3 s r 1 u 2000
J K Marley to A W Cook Dec 23 '96 Q C deed s ½ of n/w ¼ of n ¼ of sec 34 t 2 s r 2 e 160
W H Huncan to Jas Simpson Dec 24 '96 W D 100 acres in cl 57 t 2 s r 4 e 2000
Seth Austin to W W Austin Dec 24 lots 1 and 2 and sec 6 t 3 s r 3 e 800
H Reiners to A P Barlow Oct 14 '96 Q C part of blk 14 and all blk 13, Barlows 10
S E Stansbury to H A Moser Dec 24, '96 W D n ¼ of sec 4 and sec 4 of n/w sec 23 t 2 south r 4 e 445
J B Lund to T J Lund Oct 8 '96 W D e/g of sw ¼ sec 28 t 4 s r 2 e val
E Covey to W A Avery Jan 9 '96 W D n/w sec 14 t 6 s r 2 e 1500
W A Avery to I Allison Oct 15 '96 W D n/w sec 14 t 6 s r 2 e 3000

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Lowrey's chocolate bonbons are the best. E. E. WILLIAMS, the grocer.

Legal Notices.

Administrator's Notice.

NOTICE IS HEREBY GIVEN THAT THE undersigned, as administrator of the estate of Philip M. Hays, deceased, has filed a final report in the County Court of Clackamas County, Oregon, and said Court has set Tuesday, January 4th, 1890, at 10 o'clock A. M., as the time for hearing and settling said report. C. B. SMITH, Administrator aforesaid.

Assignee's Notice.

NOTICE IS HEREBY GIVEN THAT THE undersigned, as assignee of the estate of George Fritz, deceased, has filed a final account as assignee of the estate of Henry Wilburn, insolvent, and said Court has set Monday, January 4th, 1890, at 10 o'clock A. M., as the time for hearing and settling said report. C. B. SMITH, Assignee aforesaid.

Administrator's Notice.

NOTICE IS HEREBY GIVEN OF THE appointment by the County Court of the State of Oregon, for the County of Clackamas, of Charles Hays, as administrator of the estate of George Fritz, deceased. All persons having any claims against said estate are hereby notified to present said claims, properly verified, to the administrator, at Wilsonville, Oregon, or to A. S. Drescher, at Oregon City, Oregon, the attorney of said estate, within six months from the date of the following real estate. CHAS. HAYS, Administrator of the estate of George Fritz, deceased, November 30, 1889.

Executor's Notice.

NOTICE IS HEREBY GIVEN THAT THE undersigned has been duly appointed by the County Court of the State of Oregon, for the County of Clackamas, executor of the last will and testament of A. T. Plowman, deceased. All persons having claims against said estate are hereby notified to present the same duly verified to me at my residence at Logan, Oregon, within six months from the date of this notice. Dated December 23, 1889. JAMES M. TRACY, Sr., Executor.

Citation.

In the County Court of the State of Oregon, for the County of Clackamas.

In the matter of the estate of Almada M. Anderson.

To Elvira Wakefield, Precilla Kravitz, Emma Tomlin, Riley S. Postal, Almada McKenney, Lillian Bell Wendling, Precilla McKinnoy, and to all others unknown, greeting: IN THE NAME OF THE STATE OF OREGON, you are hereby cited and required to appear in the County Court of the State of Oregon, for the County of Clackamas, at the court room thereof, at Oregon City, in the County of Clackamas, on the 5th day of January, 1890, at 10 o'clock in the forenoon of that day, then and there to show cause, if any exist, why an order of court should not be made, allowing the sale of the following real estate: The south half of the southeast quarter and lot 1, in section 13, township 2 south, range 3 east, in Clackamas County, Oregon, less 1/4 acre as described in a deed from Wm. Kee to said Almada M. Anderson, witness, the Hon. G. E. Hayes, Judge of the County Court of the State of Oregon, for the County of Clackamas, and this order of court hereto affixed, this 21st day of November, A. D. 1889. Attest: ELMER DIXON, Clerk.

Weekly The MONTHLY Outlook

PUBLISHED EVERY SATURDAY

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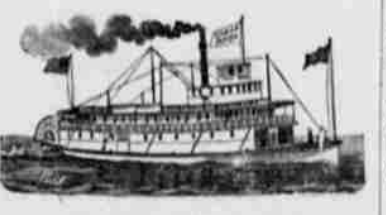
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