

All Around the Farm.

DRAINING FIELD OR MEADOW.

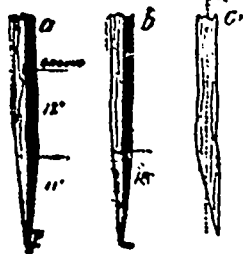
ON farms containing rolling or hilly land, there are often hollows or low places that can be greatly improved by surface drains or ditches. On my farm were several such hollows where the grain crop would be a failure 3 yrs out of 5, on account of being drowned out by very heavy rains shortly after seeding. After proper surface draining, have raised the best crops of grain there yearly. We always follow the same method when constructing surface drains, whether it is in the field or meadow. It is much easier to make ditches in the field and the work can be done much faster.

Before digging make a careful examination to ascertain the course of the natural outlet when overflowing, or if it should be one of the few exceptions that have no natural outlet, the course that will require the least work should be selected and the course of the ditch marked out by stakes, then if it is on meadow land we use a breaking plow to plow a furrow as nearly as possible in the center along the course the ditch is to be made. Plow so as to turn the furrows in from both sides toward the center until a strip is laid out as wide as top of ditch is to be made. With a good road scraper and a pair of stout horses, scrape away all the loose sod. Plow again and scrape off until the required depth of ditch is reached, but for each time plowed, do not run the plow nearer than from 3 to 4 ft from the outside of ditch, so as to make the sides gradually sloping in toward center or bottom of ditch. I always try to have such ditches made when the ground is dry, the drier the better, because it is so much easier to do the work than if done in mud and water.

When making ditches in cultivated fields, I always plow the field first, as the work can be accomplished faster. After having plowed, run a deep furrow along the course the ditch is to be made, then scrape off the loose top soil toward both sides until the required breadth of ditch is obtained. Make the ditches very wide at the top with gradually sloping sides so we can pass over them with any kind of machinery, this pays well for the time and labor spent. All ditches should be made at least 6 in deeper than the lowest surface of the hollow to be drained.—[Lewis Olsen.

DRESSING AND SETTING POSTS.

If to be driven 2 ft deep, dress two sides in a direct line from lower dotted line of a, 11 in long, from shoulder to point, making a 1 in point. Then dress the edges from 12 to 18 in. Edges may be rounded from shoulder to point. A post dressed more on one side than another, as at b



and c, will drive crooked. Stake the fence line perfectly straight, using 3 ft stakes. Then take a 1/2 in rope 100 or 200 ft long, stretch tight on line where posts are to be driven. Saw a block 6 in long and rive it into pins 1/2 in square. Drive a pin where each post is to set.

Get a mattock, the hoe blade of which is 3 or 3 1/2 in broad and 9 in long and the opposite side with an ax blade 4 in broad and 6 in long. Use the ax and make a mark even with the pins to indicate where posts are to be set. Use the ax again, sinking deep on either side of pin. Then with two or three vigorous digs with the hoe blade, dig out pin and all, thus leaving a hole 10 or 12 in deep for setting a post, leaving the sides solid to hold posts from giving sideways, as there is no danger of them going edgewise, as the entire fence joins in support. Raise a post above hole and settle down hard, which will cause it to sink still deeper. But 3 or 10 in will then be left for the post to be driven. A few solid jolts from a 20-lb post maul will settle it securely.

To gauge the depth, use a straight stick 4 or 6 in longer than the posts are to stand out of ground. Put a gauge mark at bottom and a plumb bob on a string to reach near the ground. Set this gauge 3 or 4 in from post to

be driven, lean stick to which string is attached about 6 degrees and govern the fence post by the plumb. Then use a platform, box or stand in wagon, and driving the posts will be of but little labor.—[A. Byers, Tex Co, Mo.

Young Colts—On no account should a young colt be driven very fast. Their bones are very soft. I do not believe in feeding them much corn; we want such foods as will produce muscle and

bone rather than fat. Oats, bran and flaxseed meal with a moderate amount of good, bright hay are good the first year.—[Alex Galbraith.

Water Before Feeding as the water will then pass along into the bowels before the grain ration is fed. But if the horse is fed before water is given, because of the small stomach, the food is forced into the bowels before the stomach has performed its share of the

digestion and derangement is apt to follow.—[Dr J. C. Curryer.

Gasoline Engines are being used to quite an extent in Ohio. The cost of operating is much less than for steam. There is less danger than from steam and no time is wasted in getting up steam.—[T. B. Terry, Summit Co, O.

Don't put honey in the cellar; it's the worst place possible.

Test for Yourself the Wonderful Curative Properties of Swamp-Root

To Prove What the Great Kidney Remedy Swamp-Root Will Do for YOU, Every Reader of Farm and Home May Have a Sample Bottle Free.

Reporters Have Convincing Interviews with Prominent People Regarding Wonderful Cures by Swamp-Root.



DR. KILMER & CO., BINGHAMTON, N. Y.:

Gentlemen—In justice to you, I feel it is my duty to send you an acknowledgment of the receipt of the sample bottle of Swamp-Root you so kindly sent me. I had been out of health for the past five years with kidney and bladder trouble. Had our best physicians prescribe for me. They would relieve me for the time being, but the old complaint would in a short time return again. I sent for a sample bottle of Swamp-Root, and I found it did me a world of good. Since then I have taken eight small bottles bought at my drug store and I consider myself perfectly cured. It seemed as though my back would break in two after stooping. I do not have to get up during the night to urinate, as I formerly did, three or four times a night, but now sleep the sleep of peace. My back is all right again, and in every way I am a new man. Two of my brother officers are still using Swamp-Root. They, like myself, cannot say too much in praise of it. It is a boon to mankind. We recommend it to all humanity who are suffering from kidney and bladder diseases.

My brother officers (whose signatures accompany this letter), as well as myself, thank you for the blessing you have brought to the human race in the compounding of Swamp-Root. We remain, yours very truly,

Officers of the 65th Police Precinct,
Greater New York.

JAMES COOK.
HUGH E. BOYLE.
JOHN J. BODKIN

Women as Well as Men are Made Miserable by Kidney and Bladder Troubles.

"You have no idea how well I feel. I am satisfied that I do not need any more medicine, as I am in as good health as I ever was in my life." So says Mrs. Mary Engelhardt, of 2835 Madison street, St. Louis, Mo., to a reporter of the St. Louis Globe-Democrat. "For more than ten years I had suffered with what the doctors termed female trouble; also heart trouble, with swelling of the feet and limbs. Last summer I felt so badly that I thought I had not long to live. I consulted doctor after doctor and took their medicines, but felt no better. The physicians told me my kidneys were not affected, but I felt sure that they were the cause of my trouble. A friend recommended me to try Dr. Kilmer's Swamp-Root, and I must say I derived immense benefits almost from the first week. I continued the medicine, taking it regularly, and I am now in splendid health. The pains and aches have all gone. I have recommended Swamp-Root to all my friends, and told them what it has done for me. I will gladly answer any one who desires to write me regarding my case. I most heartily endorse Swamp-Root from every standpoint.



point. There is such a pleasant taste to Swamp-Root, and it goes right to the weak spots and drives them out of the system."

MRS. MARY ENGELHARDT.

SPECIAL NOTICE—Swamp-Root, the great Kidney, Liver and Bladder remedy, is so remarkably successful that a special arrangement has been made by which all readers of Farm and Home, who have not already tried it, may have a sample bottle sent absolutely free by mail. Also a book telling all about kidney and bladder troubles and containing many of the thousands upon thousands of testimonial letters received from men and women cured by Swamp-Root. Be sure and mention reading this generous offer in Farm and Home when sending your address to Dr. Kilmer & Co., Binghamton, N. Y.

How to Find Out if You Need Swamp-Root.

It used to be considered that only urinary and bladder troubles were to be traced to the kidneys, but now modern science proves that nearly all diseases have their beginning in the disorder of these most important organs.

The kidneys filter and purify the blood—that is their work.

So when your kidneys are weak or out of order you can understand how quickly your entire body is affected, and how every organ seems to fail to do its duty.

If you are sick or "feel badly," begin taking the famous new discovery, Dr. Kilmer's Swamp-Root, because as soon as your kidneys are well they will help all the other organs to health. A trial will convince any one.

Weak and unhealthy kidneys are responsible for more sickness and suffering than any other disease, and if permitted to continue fatal results are sure to follow. Kidney trouble irritates the nerves, makes you dizzy, restless, sleepless and irritable. Makes you pass water often during the day and obliges you to get up many times during the night. Causes puffy or dark circles under the eyes, rheumatism, gravel, catarrh of the bladder, pain or dull ache in the back, joints and muscles, makes your head ache and back ache, causes indigestion, stomach and liver trouble; you get a sallow, yellow complexion; makes you feel as though you had heart trouble; you may have plenty of ambition, but no strength; get weak and waste away.

The cure for these troubles is Dr. Kilmer's Swamp-Root, the world-famous kidney remedy. In taking Swamp-Root you afford natural help to nature, for Swamp-Root is the most perfect healer and gentle aid to the kidneys that is known to medical science.

If there is any doubt in your mind as to your condition, take from your urine on rising about four ounces, place it in a glass or bottle and let it stand twenty-four hours. If on examination it is milky or cloudy, if there is a brick-dust settling, or if small particles float about in it, your kidneys are in need of immediate attention.

Swamp-Root is pleasant to take and is used in the leading hospitals, recommended by skillful physicians in their private practice, and is taken by doctors themselves who have kidney ailments, because they recognize in it the greatest and most successful remedy for kidney, liver and bladder troubles.

If you are already convinced that Swamp-Root is what you need, you can purchase the regular fifty-cent and one dollar size bottles at the drug stores everywhere.