

A STONE DITCH

Three Ways of Placing the Stones According to Width of Ditch.

Never throw the stones in loose. It is a waste of time, as the ditch soon be comes clogged and the water comes to the surface. Lay a good throat and do the work yourself. This is the only way to secure permanent results. Why is it we are so apt to distrust our own judgment on some unusual work and willing to pay big wages to some tramp who comes along looking for a job, claiming to be an expert, but who may have never seen the work done? He has the brass to try and nothing to lose. We have intelligence and self interest enough to make our work superior, without experience, to his. Thus reasoned a Rural New Yorker correspondent as he stood by his first ditch 17 years ago. He writes:

It works well yet and will for 50 years to come. Put the bottom stones below the frost line so that they will not heave. There are three ways of placing them according to the width of the ditch and their own size. The mode I prefer in wide ditches is to have stones on each side and a cover laid on. The center of the ditch is a little the highest, and the side stones keep crowding to the outside. The cover of flat stones should reach well across so as not to work off and drop down. Cover all cracks with other flat stones and put in as many more as you can spare or have time to draw until the ditch is nearly full. In clay land too much dirt on top of the stones will get packed down and hold the surface water.

In a narrow ditch dig one side a trifle lower than the other and put in good sized jam stones. Put flat stones against the opposite side and let them lie on top jam stones. This makes a V shaped throat. Put more stones on top of the cover and wedge this down against the bank to hold it tightly. Fill in with stones to level up. A third way is to take two flat stones and set them against the opposite sides of the bank, bring the tops together in the center. then fill in behind them to hold them firmly. I do not like this way, as if one slips both may fall in and close the throat.

A stone throat if firmly laid and covered with stones will not need that anything should be put on it before covering it with earth, and a horse can be driven on it without injury while plow ing in the covering. In this country we often dig ditches partially at least or provide a place to get rid of stones. If there are only a few of them on top of the cover, scatter in some straw, which will keep the dirt from rattling through until it is well settled. The lifetime of a ditch depends on the care taken to keep the mouth open. If the fine earth cannot run out, the throat soon fills.

The terriole horn fly pest is preying on the cattle of the country again. We reprint the following remedy from a bullein by Professor Weed of the Mississippi agricultural experiment station:

The treatment for the horn fly is mostly preventive in its nature and consists of the application to the cattle of odorous substances which will keep the flies from the animals. For this purpose a great many substances have been recommended, but most of them have proved of little value. The following, however, have given the most satisfactory results at our hands:

1. Gnat oil, made as follows: Crude carbolic acid, an ounce: pennyroyal, onehalf to an ounce; sulphur, one-fourth for during five years and even extreme pound; crude cottonseed oil, a gallon. Mix well and apply with a brush or cloth to the back and shoulders of the cattle. The crude cottonseed oil is cheaper than the other oils, although fish oil or lard oil is equally good in making the above.

2. Fish oil and tar mixed and applied as above are equally effective. The tar is mixed with the fish oil so that the odor may last longer and thus keep the flies away from the animals a greater length of time. Either of the above will keep the flies away from the animals for several days, after which the application should be repeated.

3. The flies breed in fresh manure. It is thus important that the barnyards be kept as clean and free from manure as possible. Lime placed upon the manure will kill the larvæ.

Field Peas.

The question of raising field peas for forage, for feed and for ordinary uses as fertilizers has occupied the attention of many of the stations lately. The Minnesota station announces that peas are a good crop in cold climates, and they will repay the cost of cultivating them. In many cases it is an improvement to grow the peas along with oats as the stalks of the latter tend to support the drooping vines of the peas. But it is better to select the standing varieties of vines and to improve them by cultivation and selection. When grown on a large scale, the peas can be harvested with a mowing machine, raked with the ordinary hay rake and thrashed out with thrashing machines either alone or with oats. They form a crop very rich in nitrogenous matter, and they come in very good in rotation with grain crops.

Sowing Grass Seed Without Grain. We prefer the plan of sowing grass seed without grain in August and Sep tember, whenever the land is well fitted for working, and then sowing clover as early as possible in the spring after the surface of the ground thaws out. Should not wait for all the frost to come out of the ground, nor should we be worried if it froze again after the clover seed was sown. Have seen good success with it when sown upon the snow, but the snow was level and not more than a few inches in depth, and the land level enough so that the melting snow did not wash the seed off the higher parts of the field .-American Cultivator.

FEMALE, WOMAN, LADY.

Distinction Between Several Words and How They May Be Used.

An interesting discussion is going on in the columns of some newspapers over the use of the words "lady" and "woman." There is no real difference as to the occasions upon which each word is to be used, but there is a frank acknowledgment upon the part of some that they do not use the word "woman" where their good sense tells them that they should, for fear that it might give offense to the person to whom it was directed "as not sufficiently polite." There are certainly no words so abused

as "woman," "lady" and "female," Among certain people the use of the second of these terms is like the wearing of fine clothes or jewelry. Originally be-longing to a superior class they insist on appropriating it to themselves as proof that they are the equals of any other social body. Now, while all that may be true enough and while class distinctions have no place in this country this use of the word has led to some strange and amusing confusions. The humorist who depicted the servant as addressing her mistress, "Mam, the laundry lady is a-wanting to speak to the woman of the house," did not have to depend upon his imagination for his facts.

As absurd things as that may be heard in any one of the large dry goods stores in town any day, and almost any newspaper will yield a rich specimen or two. Bishop Warren, referring to this same point, says that he glanced at the wall opposite him at the moment and saw a diploma from the "—— Female academy," and then turned to a bookcase and read as the title of one of the volumes there, "Female Holiness." In the report of a southern woman's Christian temperance union convention appears the fact that "Mrs. Blank was chairlady."

Now the proper word in all this is "woman." That is always and ever right. Than it there is no nobler or stronger word in the English language. "Man" is a general word as well as a particular one, and as such includes both sexes, so that the term "chairman" signifies no subservience of one sex to the domination of the other. If called upon to address a stranger, a woman, then the proper word is "madam" and not "lady, this way" and "lady, that way," as so many ushers appear to think to be the only solution to the problem of address.

"Female" is never to be used as a syno-nym of "woman." It is a term common to one-half of the animal creation, and to apply it to woman as the substantive of designation is an insult. "Lady" is ap-plicable to every well bred and educated woman, but it is something that is reserved rather for social usage and has not the sturdy strength and nobility of woman."-Boston Journal.

Color Protection From Intense Heat.

With reference to the protective effect of certain colors against the sun's rays, years ago on my way to India the second time, having already been invalided home once from the effects of the sun, it occurred to me to try the photographer's plan. I reasoned to myself that since no one ever got sunstroke or sun fever from exposure to a dark source of heat or even to one which, though luminous, possessed no great degree of chemical energy—the furnaces in the arsenal, for example—it could not be the heat rays, therefore, which injured one, but must be the chemical ones only.

If therefore one treats one's own body and envelops one's self in yellow or dark red, one ought to be practically secure, and since the photographer lined the inside of his tents and belongings with yellow it was obviously immaterial whether one wore yellow inside or out. I had my hats and coats lined with yellow, and with most satisfactory results, exposure never once did the yellow lining fail me, but every time that either through carelessness or overconfidence I forgot the precaution a very short exposure sufficed to send me down with the usual sun fever. Many friends tried the plan and all with the same satisfacresults.-Cor. Labore (India) Civil and Military Gazette.



#### Saved Her Life.

Mrs. C. J. Woodbamas, of Wortham.

Texas, saved the life of her child by the use of Ayer's Cherry Pectoral. use of Ayer's Cherry Pectoral.

"One of my children had Croup. The case was attended by our physician, and was supposed to be well under control. One night I was startled by the child's hard breathing, and on going to it found it strangling. It had noarly ceased to breathe, Realizing that the child's alarming condition had become possible in spite of the medicines given, I reasoned that such remedies would be of no avail. Having part of a bottle of Ayer's Cherry Pectoral in the house, I gave the child three does, at short intervals, and analously waited results. From the moment the Pectoral was given, the child's breathing grow easier, and, in a short time, she was sleeping quietly and breathing naturally. The child is alive and well to-day, and I do not hesitate to say that Ayer's Cherry Pectoral saved her life."

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that make life miserable. I commenced to take

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of physical wreeks, suffering from nervents prostration, taking prescriptions from
local physicians who have no knowledge of their case, and whose death
is certain, I feel like going to them and saying,
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my profession, CLIDED, fires from THOUSANDS SOLD ON A POSITIVE QUARANTEE.

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NOTICE FOR PUBLICATION.

NOTICE FOR PUBLICATION
Land Office at Oregon City, Oregon.

Land Office at Oregon City, Oregon.

Notice is hereby given, that the following named settler has filed notice of his intention to make final prior in support of his claim, and that said proof will be made before the Register and Receiver at Oregon City, Oregon, on September 22, 1883, viz.

Hans Christ Scheel,
Homestead No. 7329, for the north half of the north west quarter of section 22, tp. 2 S., R. 5 E. He names the following witnesses to prove his continuous residence upon and cultivation of said land, viz.

John C. Duns, Heinrick Reihmer, Peter Panisen, Hans Klinker, all of George, Clarkamas county, Oregon

J. T. APPERSON,

8-4-9-6

Register.

NOTICE FOR PUBLICATION.

NOTICE FOR PUBLICATION.

Land Office at Oregon City, Oregon, July B. 1882.

Notice is hereby given, that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the Register and Receiver at Oregon City, Oregon, on September 21, 1896, viz.

Seth Austen,
Homestead No. 6892, for the lots I and 2, S. E. 14 of N. E. 14 of sec. 6, tp. 68., R. 2 E.

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

John K. Dickey, of Molalla, Clackamas county, Oregon, Leavi Davis, of Wilhort, Clackamas county, Oregon City, Clackamas county, Oregon City, Clackamas county, Oregon City, Clackamas county, Oregon City, Clackamas county, Oregon, Register.

NOTICE FOR PUBLICATION.

ASSIGNEE'S NOTICE.

ASSIGNEE'S NOTICE.

Notice is hereby given, that Messrs Potter & Kelly, of Oregon Cilly, Oregon, have made an assignment to the undersigned for the benefit of their creditors. All persons having claims against the said estate, are hereby notified to present the same, properly verified, to the assignee at his office on Main street, Oregon City, within three months of the date of this notice. All persons indebted to the said estate are hereby hotified to pay the same forthwith.

Assignee of the estate of Potter & Kelly, insolvent debtors.

Oregon City, August 2, 1882.

Vent debtors, Oregon City, August 2, 1893.

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FIRST BARTIST CHURCH.—REV. GILMAN PARKER PARTOR Morning Service at il Sunday School at 12-15; Evening Service 6:30; Regular prayer meeting Wednesday creating. Monthly Covenant Meeting every Wednesday evening proceeding the first Sunday in the mouth. A sornial invitation to all.

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Saturday at 7 A. M.

Tuesday, Thursday and Saturday at 7 A. M.

TR. NORTHWEST--Leaves Portland Monday, Wednesday and Friday for Kelso and Upper Cowlitz river points, returning the Saturday at 6 A. M.

Leaves Portland, Tuesday, Thursday and Saturday at 7 A. M.

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Eursar, Pastor, Proceding at 7:30. Beats free.

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Eursar, Pastor, Sunday at 11 A. M. and 7:30 F. M. Sabbath school at 10 A. M. (John Harrisberger, Supt.) Weekly Prayer Meeting avery Wednesday evening every Wednesday evening syry wednesday evening

UNITED BRETHREN CHURCH.—Rev. P. B. WILLIAMS, pastor. Services first and third Sunday mornings and the preceding Saturday night in each month at Oregon City, at 11 a. m. and 7 p. m., and the first Sunday afternoon of each month at Falls View.

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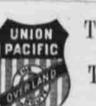
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