sham Vindicator, Gresham Gazette, East Multnomah Re-Multnomah Record and Montavilla Herald.

Published Every Friday at Gresham, Ore., by the Braver State Publishing Co. H. A. DARNALL, EDITOR AND MANAGER.

Entered as second-class matter at the postoffice at Gresham, Oregon

EDITORIAL COMMENT

Journal, based on an editorial masses it has never had an equal. of the value of the primary law capable of being a leader among men. great many people have good farm. as worthy of consideration, in station has raised farming to the diguals who are usually so in evi- as a tiller of the soil the man must not dence at political gatherings. also have fine executive capacity. Inbeing timid about addressing day. No laigard has any place on the undern farm, and slowly but surely all such are being eliminated from the the actual work of the occasion. business. But under the primary plan every In this great transformation of the feature of the primary law as at ence has been undisputed. cent, of illiteracy was higher than the farmer himself. then than now. They knew less about self-government. The op- Mackintosh coats which have beportunity for information on all come hard and rigid may be easily subjects was relatively low. Any man may now equip himself the best gray lime should be dissolved four feet is about the right depth. In with the best literature of the in half a bucketful of water and the day for a trifle of what it cost in mixture applied to the stiffened parts those days and as a result men by means of a piece of sponge. This should be repeated at the end of three read more, have a better general or four hours. knowledge and are better qualified to participate in the political Little Charles was dining away from movements of the day. When a home, and his hostess noticed with man is named for an important some concern that he was leaving unposition like Congressman or U. touched the first course, which consisted of chicken soup with macaront. S. Senator they are on an average "Why, Charles," she said, "you didn't hold the place as any other per- Companion. son, as any state legislator or precinct politician. But according to the Constitution of the United States he is compelled to express his choice in a secondhand manner or practically to have nothing to say about it. The primary law and Statement One plan obviates this difficulty and puts the voter in a position of influence. Any movement to discourage the continual use of these improvements is the work CIRCULATE -:- -:can be looked upon as a move-

citizen of his rights. The Herald, \$1 a year.

Farmers of the Country Must Come to the Front.

[From the Lewiston (Me.) Journal 1 WE have been looking for an The grange today is the most power-ful organization in the country. Its damage suit, Oregonion vs. influence extends into every section. and as a factor in the education of the the Journal published a week this respect it stands by the side of the ago relative to the Oregonian's public school, only with a broader outlook and wider sweep of horizon. Its attitude on the primary law, elec- membership includes the best blood tion of United States Senators among the farming classes, and this and a few other things. Per- has a more significant meaning when haps the item was unworthy of trolley car and free postal delivery notice, but it appears to us that have practically wiped out the distinct if we were playing for the polit- tion between country and city life. It ical lead in the state we would means that today the average farmer is fully the peer in intelligence and notice such damaging editorial scope of capacity of the business or dope. If all this is true the Ore- professional man. It means that he is gonian is the last paper in the a man of education and general culture as well as a tiller of the soil. It state to look to for reliable polit- means in fact that he is a man in all ical information. The question that name implies and therefore fully

This great change has all been is again worrying a lot of would- brought about during the past few be political leaders of the state. years. A generation ago and only the The purpose of this law was to enable the people to name the steps of the father. The brighter boys men whom they considered best were allowed to go into other sections qualified to execute the laws of of the country, there to carve out their the state and administer to the The weakling remained at home and year the farm will in the end be thorwants of their constituents. A succeeded in the ownership of the old oughly drained at much less expense

ideas of government and are just All this is now changed. The agrifact more so, than the individ- nity of a profession. To now succeed But being of a retiring nature, or tensive farming is the order of the

man's vote counts. The result borne a prominent part. Its leaders by these sloughs, though that is taken up by these sloughs, though that of the of the plan is the voice of the have been the men of most pronounced people. There is less chance of influence in their respective communitrading or buying or bullying. ties and contributed their full share in the uplifting of society. They have The ward politician or precinct been the men of keen intelligence, high the surrounding ground more thor- freezing. leader has less chance to enrich morals and most excellent judgment. his own interests. But the best and on all moral questions their influ-

present constituted is that it en- On the other hand, it is equally unables every citizen in the state disputed that in all matters pertaining to express his own desires about leadership their influence has been to governmental, state or municipal the choice of a United States practically nothing. They have stood drains should be placed. The ground forms of outlets should be covered to Senator. That U. S. Senators back and allowed the village and city lawyers to take control of their affairs the spring than the other, and conse- weather. The bottom of the box should should be chosen by the people and make all the laws. Organized quently the corn gets a better start, be at least a foot below the tile. The has been shown in so many ways through the grange for action on moral Through the summer, when there is silt that settles here should be clean that argument hardly seems nec- questions, they have remained unor no water in the tile, air is flowing ed out occasionally. A much better essary. The idea of our foretanized in all that pertains to their down through them. This pulls air plan than the use of a tile box is to comaterial welfare. This is the one weak down through the soil, making root operate with the road authorities or fathers was that the people were spot in the grange today, and it is not competent to make such an here that the order needs the greatest more vigorous. A deep root system of tile to some permanent outlet. important selection, but the peo- strengthening. There is no good reaple of today and of 1789 are pelled to pay the merchant and the somewhat different. While they professional man whatever price they had been making many advances choose to place upon their goods and their services, while he is compelled to never stands on them. A map showing in self-government, there was a take whatever they may choose to give strong tendency to let the lead- for the products of his farm. There is ers do the thinking. The per no equity in such a system, but for this condition no one is more to blame

How to Clean Raincoats.

just as well qualified to judge taste your soup-chicken soup too."
"No, ma'am," he replied. "I didn't whether he is intellectually, morally and politically qualified to cooks the windpipes."-Woman's Home

> Etymological. When one sits lonely on a log And talks 'tis called a monologue. If there were two folks by a log, They'd call their talk a dialogue. Yet no one's known
> To call a phone,
> As it should be, a wirelogue.
> Nor is a feline spatologue
> Referred to as a catalogue.
> The sailors when they check a log
> Ne'er call the thing a deckalogue,
> Wherefore be it my epilogue
> To finish up this dippylogue
> And say our etymology
> Is no more certain than a flea.
>
> —Harper's Weekly Yet no one's known ology n than a flea. —Harper's Weekly.

of the scheming politician and THAT GOOD OLD ment to deprive the intelligent At Home. Don't Send It Away to the Mail Order Man.

Making Money On the Farm

I.— Drainage

By G. V. GREGORY. Agricultural Division, Iowa State College

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first and most important steps in get- the strip of good corn or other gran ting it in such condition is to drain it over a drain is a good indication of th thoroughly. There are two general "pulling power" of the drain. Where types of drains-tile drains and open drainage system is being put in a little

where natural drainage is insufficient them to be necessary to carry off the surface water or to provide an outlet for tile. Such a One of the most important parts of ditch is really an artificial river. Its the drainage system is the outlet. If one foot for every foot of rise.

The Use of Tile.

The major portion of the drainage, however, must be done with tile. In starting out to tile a farm it pays to go at it systematically. Few farmers are able to tile their whole farms at once but by planning the whole system before any work is done and then putthan if the work was gone at in a hit or miss fashion.

The proposed lines of tile should be laid off by a good engineer. He has the tools and ability to do it properly, and a little money spent in this way will be made up many times over in the added efficiency of the system.

The first money that is spent for tile should be put where it will yield the quickest returns. On almost every farm there are sloughs and draws that are too wet to work long after the rest of the field is dry. The loss is not so much from the land that is taken up amounts to considerable, as to the trouble and loss of time in working around them. A line of tile can be run tile. It is a good plan to use sewer

tile that will be the best in the field. while out a little farther the corn will be small and yellow. The width of this strip of corn is a very good indigrowth more rapid and the plants means a large feeding ground and consequently a larger yield. For these reasons all low, flat lands should be thoroughly underiald with rows of the exact location of the drains should be kept so that they can be readily found when it is desired to add later-

ais to the system. Planning the Drainage System. In planning a drainage system there are three especially important considerations-the depth and size of the tile and the distance apart of the

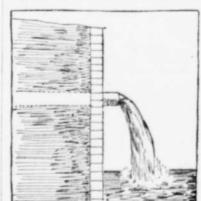


FIG. 1-PROTECTING TILE OUTLET.

hardpan the tile may have to be laid shallower or the water will never get to them. Deep tile mean a deep layer of mellow soil, which acts as a sponge to hold capillary water for the crops. The deeper the tile the farther their effect will be felt on either side.

The size of the tile depends upon the fall and the amount of land to be drained. The engineer who lays out the drain will usually be able to compute the size required.

In estimating the number of acres to be drained by a given line of tile all the land from which surface water flows toward it should be included, as well as all land drained by laterals which empty into it

The depth of the drains and the character of the soil are the chief factors that determine the distance spart to place the drains. The four feet deep



C. V. GREGORY. Author of "Home Course In Modern

order to make money on the farm on a sandy soil will draw seventy five it is first necessary to get the land feet on either side, while in clay soil in shape to respond liberally to their effect will not be felt a third as the work put upon it. One of the far. As already stated, the width e at a time the laterals can be put in About the only place where an open from 75 to 200 feet apart at first, deditch can be used to advantage is in pending on the soil, and others put in draining large sections of the country between later if experience shows

large size prevents it from becoming the drain empties into a ditch or easily clogged. It should be made stream a stone bulwark should be deep enough to provide a good outlet built up to keep the end tile from be for tile systems from the farms trib- ing washed away. The drain should utary to it. The sides should have a enter the stream above the level of the slope of at least one to one-run back water if possible. When it enters below the force of the current is checked, and if the water is carrying much silt some of it will be deposited in the



FIG. II-POOR WAY TO LAY TILE.

up to such a place to take out the wa- pipe for a few feet back from the out et, as it is not so easily displaced by

outlet is not very satisfactory, but sometimes it is the best that can be provided. The box should be well built to keep out rubbish. The mouth cation of the distance apart that the of the tile in this as well as in other over the tile is warmer and drier in keep out small animals during dry neighbors and extend the

Laying the Tile.

own tile, but he should keep close watch of the men whom he hires to do the work. A little carelessness in laying the tile may make the drainage system practically worthless. If at any place the tile dies an inch below the grade line, that inch will fill up with silt, and the capacity of the whole system will be reduced that much The old saying that a chain is no stronger than its weakest link applies with especial force to a tile drain. No man can lay tile to grade accurately by eye, even if there is water running in the ditch at the time. Remember that it is your money that is paying for the drain and that it is your priv-

flege to have it put in as you want it.

The only way to get the tile laid ex-

actly to grade is to use targets. When an engineer lays out a line of the tile he sets a row of grade stakes, each one marked with the depth the ditch is to be at that point. When the ditch is down nearly to the required point targets are set up at these grade stakes. A target consists of an upright stick on each side of the ditch with a crossbar clamped to It. These cross bars should be adjusted so that they are level and just seven feet above the grade line. For instance, if the cut marked on the grade stake is four feet the crossbar should be three feet above the stake. After a number of these targets have been set a string is stretched across the tops of them. Then a measuring stick seven feet long will just reach from the string to the correct grade line. With one man to hold the measuring stick and another to scrape out the bottom of the ditch, it can be dug to grade very accurately. Of course both digging the ditch

and laying the tile should begin at the outlet. Don't let the men stand on the bank and lay the tile with a book. Make them get down into the ditch and put them in by hand, standing on those already laid to hold them in place. By handling each tile any MONTAVILLA, - OREGON cracked or imperfect ones can be dis covered and thrown out. After the tile are inid a little dirt should be scraped from the side of the ditch to hold them in place. As soon as the whole line is in no time should be lost



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took Christmas dinner with G. Lusted and wife. Mr. Hart visited his daughted X mas,

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