

N order to make money on the farm It is first necessary to get the land in shape to respond liberally to the work put upon it. One of the first and most important steps in get-ting it in such condition is to drain it thoroughly. There are two general types of drains-tile drains and open

ditches. About the only place where an open ditch can be used to advantage is in draining large sections of the country where natural drainage is insufficient to carry off the surface water or to provide an outlet for tile. Such a ditch is really an artificial river. Its large size prevents it from becoming usuity clogged. It should be made deep enough to provide a good outlet for the swatems from the farms tribfor the systems from the farms trib-utary to it. The sides should have a slope of at least one to one-run back one foot for every foot of rise.

The Use of Tile. The major portion of the drainage, however, must be done with tile. In however, must be done with the trib forting out to tile a farm it pays to go at it systematically. Few farmers are able to tile their whole system be-fore any work is done and then putting in as many rols as possible each year the farm will in the end be thor-oughly drained at much less expense than if the work was gone at in a hit

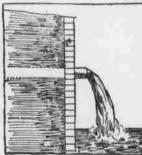
than if the work was gone at 18 a hit or miss fachion. The proposed lines of the should be laid off by a good engineer. He has the tools and ability to do it properly, and a little money spent in this way will be made up many times over in the added efficiency of the system. The first money that is spent 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

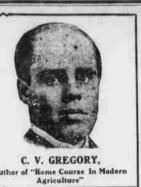
are too wet to work long after the rest of the field is dry. The loss is not so much from the land that is taken up by these sloughs, though that often amounts to considerable, as to the trouble and loss of time in working around them. A line of tile can be run up to such a place to take out the wa-ter and interals put in later to drain the surrounding ground more thor-ourtily. are too wet to work long after the rest

oughly. Often after the slough is drained

Often after the slough is drained there will be a strip of corn over the tile that will be the best in the field, while out a little farther the corn will be small and y, liow. The width of this strip of corn is a very good indi-cation of the distance apart that the drains should be placed. The ground over the tile is warmer and drier in the such that the other and conset drains should be placed. The ground over the lie is warmer and drief in the spring than the other, and conse-quently the corn gets a better start. Through the summer, when there is no water in the tile, air is flowing down through them. This pulls air down through the soll, making root growth more rapid and the plants moras vigorous. A deep root system means a lacke feeding ground and con-sequently a larger yield. For these reasons all low, flat lands should be thoroughly underlaid with rows of tile, even though the surface water never stands on them. A map showing the exact location of the drains should be kept so that they can be readily he kept so that they can be readily found when it is desired to add interals to the system

Planning the Drainage System. In planning a drainage system there are three especially important consid-erations-the depth and size of the tile and the distance apart of the drains. More tile drains are put in too shallow than too deep. In most solis shallow than too drep. In most soils four feet is about the right depth. In





on a sandy soil will draw seventy-five feet on either side, while in ciny soil their effect will not be feit a third as their other win hor or set a third is far. As already stated, the width of the strip of good corn or other grain over a drain is a good indication of the "pulling power" of the drain. Where a drainage system is being put in a little at a time the laterals can be put in from 75 to 200 feet apart at first, de-pending on the soil, and others put in between later if experience shows them to be necessary.

them to be necessary. The Gutlet. One of the most important parts of the drainage system is the outlet. If the drain empties into a ditch or stream a stone bulwark should be built up to keep the end file from be-ing washed away. The drain should enter the stream above the level of the water if possible. When it enters be-way the force of the current is check low the force of the current is check-ed, and if the water is carrying much still some of it will be deposited in the



with the neighbors and extend the line of tile to some permanent outlet.

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 an engineer my word grade stakes, each be sets a row of grade stakes, each is down nearly to the required point targets are set up at these grade stakes. A target consists of an upright stakes. A target consists of an upright stakes a target consists of an upright stakes the word of the ditch with stakes a target consists of an upright stakes a target a targ stick on each side of the ditch with a crossbar champed to it. These cross-bars should be adjusted so that they preievel and just seven feet above the grade line. For instance, if the cut marked on the grade stike is four feet the crossbar should be three feet above the stake. After a number of these breets have been set a string is 'Do you kase a mabbit out of a gum by his forefeet he can scrach. If you don't believe it, try it. Then Mr. Whitlock ask another question.

Revising Upwards.

Who can expect an honest revi sion of the tariff in the interest of the majority of the people with a United State Senate bassed by Sentor Aldrich of Rhode Island, fatherin law of John D. Rockfeller, Jr. the New York Evening Post tells

of his trust affiliations:

"Aldrich was one of the associat-es of Ryan and the Guggenheim in the American Congo Company, with yast rubber concessions; associ with vast rabber concessions; associ-ate i in other things with his son-ia-law, J. D. Reckefeller, Jr.; state le, islator, congressman; director of the American Congo Company; pos-ser-ses a large fortane, widely invest-ed; president of a street railway combination that was regarded as a parent of corruption before his re-

parent of corruption before his re-tirement as a multi-millionatre; has interests in sugar railroads, and

manufacturing." These business and professional satistics, relative to members of the senate, are significant: Kenner, 10

Farmers, 10. Merchanta. 4. Corportion lawyers, 27.

Lawyers without special leanings,

Bankers and holders of bankstocks 21.

Manufactorers, 11.

Holders of railway stocks, 19. Holders of industrial stocks, 26. Holders of steamship interests, 6. Holders of mining interests, 17 Holders of lumber interests, 9. Connected with public utility cor-

orations, S. Owners of large tracts of land,

Rated as poor men, 10. Rated as millionaires, at least 22. Indefinitely reported to have leaning toward corporations, 16,

### Of Interest to Farmers And Mechanics

Of Interest to Parmers And Mechanics, Farmers and mechanics frequently meet with slight arcidents and injures which cause them much annogance and loss of time. A cut or bouise may be cursed in about one-thi d the time usually required by applying Chamberlain's Lindment as we n as the night is reversed. This imment is also valuable for sprains, soreness of the invectes and retermather pains. There is no singury when Chamberlain's Lindment is ap-plied before the parts, become infamed and wollms. For sale by All Druggists,

## Mocking Bird Macked the Roosters-

The Statesville Landmark tells of a mocking bird that occupies a cage which hangs in front of a store

tile. It is a good plan to use sewer pipe for a few feet back from the ont let, as it is not so easily displaced by freezhuz. Many drains are built with an out-let in a hox at the side of the road or next to a neighbor's force. Such an outlet is not very satisfactory, but sometimes it is the best that can be provided. The box should be went of the the in this as well as in other forms of outlet should be covered to keep out simul animits during dry weather. The bottom of the box should be at least a foot below the tile. The plan that settles here should be clean ed out coensionally. A much better plan that settles here should be to covered to that settles here should be clean ed out coensionally. A much better plan that settles here should be to cover the the neighbors and extend the line that a settend the line that settles here should be clean ed out coensionally. A much better plan that ne setted the tox is to co-operate with the road authorities or with the neighbors and extend the line the the is a prose coverse to the settend the line the the source state of the coverse to plan that settles here should be clean efforts with the road authorities or with the neighbors and extend the line tructed the attention of the roceters of the the source state of the tox should be clean efforts with the road authorities or with the neighbors and extend the line tructed the attention of the roceters of The crowing was such a good in: ta-tion of a bartam rooster that it at-tracted the attention of the rocsters in the street and the writer was also

with the neighbors and extend the line of tile to some permanent outlet. Laying the Tile. It rarely pays a farmer to tay his own tile, but he should keep close watch of the mea whom he bires to do the work. A fittle enrelesances in hy-ing the tile may make the drainage system protically worthies. If at any place the tile dhys 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 inplies with especial force to a tile drain. No man can by tile to grade accurately that it is your money that is paying for the drain and that it is your priv-ilege to have it put in as you want it. The only was lo ext the tile hid ext.

## Can a Rabbit Swim.

From Bockingham Angle Saxon.

We must admit that a rabbit can

LEGAL NOTICES. Eurofoljsh Co. 8. d. Jouan, Extra T. T. Best dec'd. VE

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Superior Court.

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#### LAND SALE.

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This 14th day of June 1980 J. S. M. K.S.IGHT,

NOTICE OF SALE UNDER EXECUTION.

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This 27th day of May, 1997. H. C. KELLY, Canada

NOTICE OF RESALE.

NORTH CAROLINA-RANDOLPH CO. Kelly Stalker et al.

Ada Stalker et al.

NOTICE OF PUBLICATION OF SUMMONS.

North Caredina, Randolph County To the Superior Court, July Israi, 1809. Frederick A. Schwartz, plaintoff, Swarm Dasadownet Countairs

Rannoiph Co. Salite Hertigg et al.

in the superior Cours Before the Clerk.

iim () Fuller Excentrix of the Last Will and Testament of Dr. A. Folici, d. e.d., The southern Homestake Mining Co. EATE NOTICE The stress of the same contained on a true of the stress of the same contained on a true of the stress and results of the same contained the same contained to be the same contained the same contained to be the same contained the same contained to be same contained to be the same contained to be same contained to the the highest lader for each at the coust of the same contained to be same contained the same contained to be same to be same to be same contained to be same to be same to be same contained to be same to be same to be same contained to be same to be same to be same contained to be same to be same be same contained to be same so the same to be the same contained to be same so the same to be the same contained to be same so the same to be same be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same the same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same contained to be same so the same to be same to be same to be same so the same so the same to be same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same so the same so the same so the same to be same so the same to be same so the same so the same so the s This southern Homostale Mining Co-rition of an effective Mining Co-arred From the singertar Gorat of Hamilen Ty in the above emillion actions. I will, of hey the fitth day of July 1960 at 12 M, at the Innew door Hin add control, well to the high black for rank for statisty which the same which for any the Millowing described rea-tion of the million interest which the same what has in the Millowing described rea-tion of the statisty which the same what has in the Millowing described rea-tion of the statistical statistics of a start and the formation of the same and the Tablerniark Township State and the same straight and Million Klubber of advection for J. F. McNeely and any other the southern. However, and any other the Southern. However, and any other the Southern.

NOTICE OF SALE

By virtue of an order of the Saterrior or families even in the alver a some entit. F. Moretheli V. e. candide Freeman et al. 1 in the Mr day to July, Doo, at 10 orders have event house data in devicements. N. C. The highest bulker for each the borowing balanced calls, backet loging and be families of analysis. The second second families of the second second second and the second second second second second a billows. Be, turning at a plants of the branch and recommender borth in degree And Teal and the control of the control of the control of the control and the control and the control of the control of the part of a chains up various controls, being there would be control of the control part of a chains up various control of the part of a chains up various control of the part of the control of the control of the links to a chain when the control of the second control of the control of the control of the second control of the control of the control of the second control of the control of the control of the second control of the control of the control of the control of the second control of the control of the control of the control of the second control of the control of the control of the control of the second control of the control of the control of the control of the second control of the contro

This the Dilh day of May, 1929 J & SPENCE, Court

## NOT OF EXECUTION SALE.

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and, Brown vs. F. L. Hull. 1 By virtue of an excention directed to the behavioring of from the source Control Analotton burdley, the solution of the source of the solution burdley, the solution of the solution of the burdley descent of the virtue of the solution in a full-solution derive cases to establish and excent bases all the relativistic burdley and excent bases of the solution of the burdley burdley the solution, all the relativistic burdley burdley burdley and a full burdley of the burdley burdley burdley burdley. The Hull, descendent has been due to a solution due to establish and the building the burdley burdley full the source that and the building the burdley burdley burdley burdles of the burdley burdley burdley burdley with the new worker handley burdley due beet burdley with the new worker handley burdley due beet burdley with the the worker theory along the beet burdley and the the theory work and the solution and the source of the the fort to a. P. Sance's conner a Anthrow' line to fort to a. P. Sance's conner a full the theory will be to the burdley the fort. A wanter work in a new norw of these to the the source of the source full and the solution and the source of a solution. A solution of the source full and the full the theory works are not burdley work as the source of the to the burdley burdle as the source of the source of the source full and the source full and the source of the source fully and the source burdley and the source of the source of the source fully and the source of the source full and source of the source full and the source full and the source of the source of the source full and the source of the source fully and source of the source full and the source fully and the source of the source of the source full and the source of the sour Adm Statker et al. The underwigned Commissioner, pursuant to the power vested in him and by virtue of the decrete rendered in him and by virtue of special proceedings, will on the 20 f. day of June 1909 at 12 o'clock sell at public another at the court house door in Ashebiara to the highest hisder the following discribed tract of land: Businging at a storm and buck on the highest binder the following described tract of land: Beginning at a store and binch on the lank of the river, running North 102 chans to a store in Adam's line; these energy west on said line 27 chains and 30 links to a hickory insult the river; these down the river its various converse to the beginning containing 31 acres. The terms of said sale shall be as follows, c one third each and the remaining two thirds on credit of six months, approx d security given therefore. This the 14th day of May, 1009, J. A. SPENCE, Commissioner, This the 1st say of Jame, 1969. 8. L. HAYWORTH, shorth of Randonple co.

#### MORTGASE SALE

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## Weak Kidneys

Backache, Lumbago and Rheumatism immediately relieved by

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Nature always gives due warning and failure to heed same may result in Diabetes, Lumbago, Bright's Disease, or some other serious affection of the serious affection of the Kidneys. A trial will convince you they are unequaled. Pine-ules are quickly ab-sorbed and readily but naturally elimin-tic prime due to disate poisons due to disorganed condition of Kidneys and Bladden

They purify the blood and are a tonic to the entire system. Do not suffer from Backache, Lumbago, Rheumatian or Kidney and Bladder trouble when you can get Pineules.

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With arrive to do as shown in the problem we which the business of the business problem being the training we are prepared and willing to extend to our outcomer cover; buchty and as somemorphic consistency with safe bunking.

DIRECTORS

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Randleman, N. .

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#### FIG. 1-PROTECTING TILE OUTLET.

hardpan the tile may have to be laid similower or the water will never get to them. Deep the 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

fail and the amount of land to be drained. The engineer who lays out the drain will usually be able to com-pute 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 interals 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 which empty into it.

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

above the stake. After a number of these targets have been set a string is attretched across the tops of them. Then a measuring stick seven feetlong will just reach from the string to the carrect grade line. With one span 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 having the file should begin at the outlet. Don't let the men stand on

As soon as the

hold them in place. As soon as the whole line is in no time should be lost

In covering the ditch.

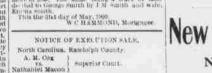
"I have used Chamberlain's Cough Remedy and find it to be the best on the market," says E. W. Tardy, editor of The Sentinel, Gainsboro, Tenn. "Our haby had several colds the past winter and Chamber hain's Cough Bennedy always gave it relief at once and oured it in a short time. I al-ways recommend it when opportunity presents itself.", Eor sale by All Druggiets. the hyperbolic sector is a sector of the bank and lay the tile with a book. Make then get down into the ditch and put them in by hand, standing on those already laid to hold them in place. By hundling each tile any After the

> Children Cry FOR FLETCHER'S CASTORIA

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Tois June 15, 13.9.



Nathaniel Macon) By virtue of an exceeding directed to the un-ter-inset from the superior Court of Rashingh tomary link of any of July, 1998, at 12 a with the the negative form the superior Court of Rashingh tomary link of any of July, 1998, at 12 a with the historean student of the superior Court of Rashingh tomary link of the superior Court of Rashingh there are a superior Court of Rashingh to a role cash. Thomas and Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone, there to a role cash. Thomas Rashingh to a stone to a stone to a stone to a ston

S. L. HAYWORTH, Sheriff of Randolph County.



Ramseur, N. C.