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MONDAY, JULY 8, 1912.

SAND-CLAY ROADS

Continued from Page 1.

been used is a very plastic clay, there is going to be considerable tendency for it to ball and cake so that a plow can very often be used to advantage in breaking up the lumps. If, however, the mixing is made when everything is perfectly dry, a pretty complete mixture is made when everything is perfectly dry, a pretty complete mixture can be obtained by harrowing unless the clay has been dug when it was wet.

As stated above, it is impossible to determine exactly the proportions of sand and clay to use either in making the sand-clay road on a clay subsoil or on a sand subsoil; and therefore, as the road dries out and sets it should have careful attention after it is completed to determine whether it is necessary to add any more sand or clay. If there is too much clay there will be a tendency for the surface of the road to get sticky or muddy in wet weather and for the clay to ball up and cake, and if this is the case a thin layer of sand should be spread over the surface. On the other hand, if the surface of the road loosens in dry weather, it is an indication that the clay has been used is not a good quality of clay and does not have sufficient binding power. More clay should be added and worked into the road.

Drainage is one of the most essential features in road construction and is very true in connection with the construction of the sand-clay road. Where the subsoil is a sandy one it usually affords a pretty good natural drainage; and where there is considerable depth to the sand, all the water on the crown of the road is usually drained that has to be done. It is necessary, however, in all cases that the water be taken out of the side ditches just as rapidly as possible.

Where the subsoil is a clay, very careful attention must be given to the question of getting rid of the surface water. Aid in clearing the right-of-way for the road, all stumps, logs and other vegetable matter should be taken out of the roadbed as, if not, after the sand clay mixture has been made, wherever vegetable matter exists it will be as it decomposes make moisture and loosen and soften the sand-clay construction. Proper drainage is, therefore, very essential in the construction of the sand-clay road, and it should be maintained at all times.

Quantity of Sand of Clay. The following figures regarding the quantity of clay necessary to add to a sand subsoil to make the sand-clay road, and the amount of sand necessary to add to a clay subsoil will be of interest.

If the roadbed is nine feet wide on a sandy subsoil and the clay is added to a depth of six inches, it would require \$89 cubic yards of clay to cover a mile of road. For a sixteen-foot road it would require 1,374 cubic yards of clay. If the clay is a first class plastic clay free from sand and only quantities of clay were needed, this would require 557 cubic yards for a nine-foot road, and 1,045 cubic yards for a mile of sixteen-foot road.

If the roadbed has a clay subsoil and sand is added to a total depth of eight inches, it would require 1,173 cubic yards per mile for a nine-foot road, and 2,085 cubic yards per mile for a sixteen-foot road. The actual cost of the construction of the sand-clay road for any section can readily be determined by knowing the distance the sand or the clay has to be hauled and the cost of labor and teams per day.

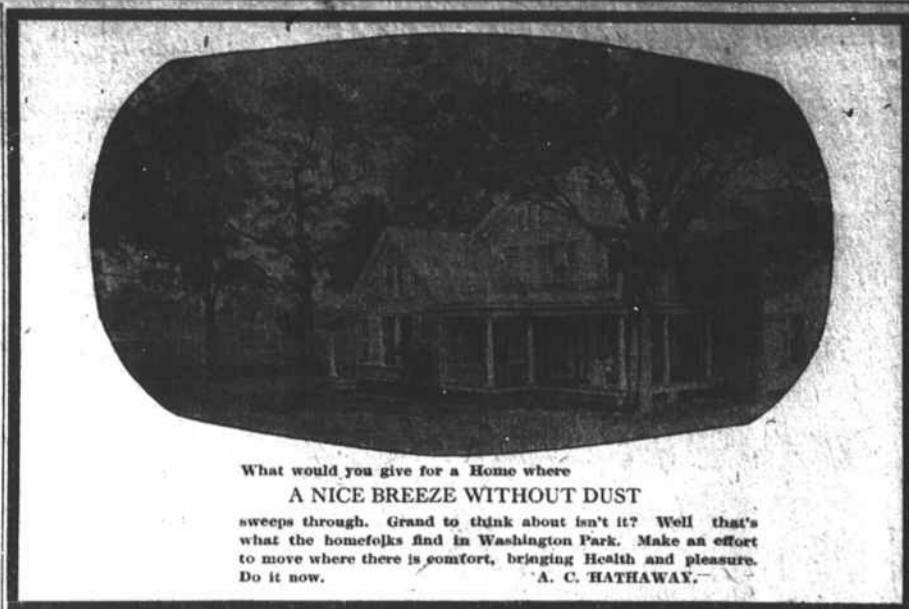
Summary. Clay Base.—1. Have the top of the clay grade smooth and about four or five inches lower than it will be when finished.

2. Plow and harrow the top for the width the said is to be put on, leaving loose but smooth, with no big lumps.

3. Spread and even layer of sand about four inches deep over the top and plow and harrow.

4. Spread four more inches of sand over the top and harrow and drag thoroughly.

5. Use clean coarse sand even if



What would you give for a Home where A NICE BREEZE WITHOUT DUST sweeps through. Grand to think about isn't it? Well that's what the homefolks find in Washington Park. Make an effort to move where there is comfort, bringing Health and pleasure. Do it now. A. C. HATHAWAY.

Classified Advertisements.

WANTED ACTIVE MAN TO SELL books. Apply at once to C. Archbell, Bath, N. C. 7-5 to 8-5. c

WANTED: ACTIVE MAN TO WORK Veterinary Science. Apply to C. Archbell, Bath, N. C. 7-5 to 8-5. c

THE LATHAM HOUSE COR. LYNN-haven Ave. and B. St. Nearest cottage to Station, Post Office, and amusements, Ocean Pkwy, Va., an ideal summer home. Reasonable rates. Mrs. J. B. Latham, Proprietress. 6-29 1mcc.

5 or 6 doses 66¢ will break any case of Chills & Fever; it acts on the liver better than Calomel, and does not gripe or sicken. 25 cents.

WANTED: TO SELL MARTEL Blow-out Protector. Apply to C. Archbell, Bath, N. C. 7-5 to 8-5. c

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CAPUDINE for "THAT HEADACHE" Out last night? Headache and nervous this morning? Hicks Capudine just the thing to fit you for business. Try it. At drug stores.

LOST A GOLD BUCKLE AND LOCK-et with monogram W. B. A. engraved on locket. Finder please return to 409 East Main Street and receive reward. Dr. W. B. Armstrong. 7-8 1tp.

FOR RENT IN CHAPEL HILL DURING July and August. Furnished house, with lights and water. Large yard and fine garden. Address K. G. Henry, Chapel Hill, N. C. 7-8 mon. wed. Fri. c

Ask Your Neighbor Hundreds of Washington Citizens Can Tell You All About It. Home endorsement the public expression of Washington people, should be evidence beyond dispute for every Washington reader, of the merit of Doan's Kidney Pills. Surely the experience of friends and neighbors, cheerfully given by them, will carry more weight than the utterances of strangers residing in far-away places. Read the following: W. J. Hardison, 119 E. Seventh St., Washington, N. C., says: "I am glad to confirm the public statement of a member of my family gave in January 1908, telling of my experience with Doan's Kidney Pills. My back troubled me for months and my kidneys were disordered. The kidney secretions gave me a great deal of annoyance, especially at night. After I had used two boxes of Doan's Kidney Pills, procured from the Hoyt Drug Store, I was entirely relieved. I have not had to take a kidney medicine since."

For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States. Remember the name—Doan's—and take no other.

NOTICE North Carolina, Beaufort County, Superior Court. Before the Clerk, Patrick Clark.

Luke Clark, Henry Clark, Charles Bryan, Wm Bryan, Nicey Tucker and husband Peter Tucker, and Aubrey Bryan, Luke Bryan, Pat Bryan, (Last four named minors).

The defendants above named, and particularly Luke Clark, William Bryan, will take notice that an action entitled as above has been commenced in the Superior Court of Beaufort County, N. C., before the Clerk for the purpose of selling the real estate of plaintiff and defendants for a division, of which said real estate defendants own an interest, and the said Defendants will further take notice that they are required to appear before the Clerk of the Superior Court of Beaufort County, N. C., at his office in the Courthouse in Washington, N. C., on August 12th, 1912, and answer or demur to petition in said action or the plaintiff will apply to the court for the release, demanded in said petition.

This July 1st, 1912, GEO. A. PAUL, Clerk of Superior Court.

For HEADACHE—Hicks' CAPUDINE Whether from Colds, Heat, Stomach or Nervous Troubles, Capudine will relieve you. It's liquid—pleasant to take—acts immediately. Try it 10c., 25c. and 50c. at drug stores.

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1912 Conventions N. C. Bar, July 5-6th. N. C. Press, July 25-28th. For Handsome illustrated booklet and reservations address ALLEN A. DuBOIS, Manager, MOREHEAD CITY, N. C.

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Crystal Ice Co. 136 WATER STREET Washington, N. C. Phone 53

DRINK LIPTON'S TEA The Taste Lingers. —THE— QUALITY GROCERY WALTER CREDE & CO. Phone 80 & 92.

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The State's Industrial College. Four-year course in Agriculture; in Civil, Electrical and Mechanical Engineering; in Chemistry; in Cotton Manufacturing and Dyeing. Two-year course in Mechanic Arts and in Textile Art. One-year and Two-year course in Agriculture. These courses are both practical and scientific. Examinations for admission are held by the County Superintendent at all county seats on July 11th. For Catalog address THE REGISTRAR West Raleigh, N. C.

ANNOUNCEMENTS TO THE DEMOCRATIC VOTERS OF BEAUFORT COUNTY

I hereby announce myself as a candidate for Registrar of Deeds. If nominated and elected, will serve the people at all times to best of my ability. The support of every democrat is earnestly solicited. Very respectfully, WILBUR H. ROSS. Aurora, N. C. 4-4 ttc.

FOR SHERIFF I hereby announce myself a candidate before the Democratic Primaries for the Office of Sheriff of Beaufort County. I will appreciate any support that my friends may give me. W. W. HOOKE. W. W. HOOKE.

FOR SHERIFF. To the Democrats of Beaufort County. I wish to express to you my sincere thanks for your loyal support in the past, and, if I have made an efficient officer and a faithful servant of the people, to ask your continued support in the County Primaries which will be announced later; and if I am nominated and elected, (and I see no reason why I shall not be), I can only promise to do as I have in the past, all in my power to give you good service. Now I wish to thank you in advance and ask all good Democrats to attend the primaries and give me their hearty support for Sheriff of Beaufort County. Faithfully, Your Servant, GEO. E. RICKS. 6-11 ttc.

FOR SHERIFF. To the Democratic voters of Beaufort County: I announce myself as a candidate for the office of Sheriff of Beaufort County in accordance with the resolution adopted by the County Convention two years ago limiting the time which any person should hold office to two terms only and my candidacy is subject to this resolution. S. B. WINDLEY. 6-28 ttc.

ANNOUNCEMENT I take this method of informing my friends that I am a candidate for re-nomination for the Office of Registrar of Deeds, and ask them all to attend the Democratic Primaries, and assist me in obtaining the nomination. Thanking each and every one kindly for the hearty support they have given me in the past and asking a continuance of the same, I remain, Yours very truly, GILBERT RUMLEY.

FOR CLERK RECORDER'S COURT To the Democratic voters of Washington and Washington Township, Long Acre Township, and Chocowinity Township, I hereby announce myself a candidate for Clerk of the Recorder's Court, subject to Democratic primaries and I will appreciate what my friends may do for me. I am yours respectfully, WM. SWANNER. 7-4 ttc.

FOR RECORDER I hereby announce to the Democratic voters of the City of Washington, Washington Township, Chocowinity Township and Long Acre township that I am a candidate to succeed myself as Recorder of the Criminal Court of said above described district, subject to the action of the Democratic Primaries to be held in said district. If nominated and elected I shall endeavor in the future as I have in the past to administer the law fairly and impartial to all persons. I ask the support of all Democratic voters. W. D. GRIMES.

FOR RECORDER I wish to announce to my friends that I am a candidate for the office of Recorder of the Criminal Court of the City of Washington, Washington Township, Longacre Township and Chocowinity Township, of Beaufort County, subject to the Democratic primaries, and solicit the support and vote of all Democratic voters. M. J. FOWLER. 6-14 ttc.

ANNOUNCEMENT I hereby respectfully announce my candidacy for re-nomination to the office of Treasurer of Beaufort County, subject to the will of the people to be expressed at the Democratic Primary. If re-nominated and elected to the office of Treasurer, I pledge to the people the same courteous attention I have heretofore endeavored to give to all, and the same ability to the trust reposed in me as the custodian of the people's money. Respectfully, J. E. MICKEN. 6-14 ttc.

FOR COUNTY COMMISSIONER I announce my candidacy for County Commissioner of Beaufort County from Richland Township, subject to the action of the Democratic primaries. W. H. WHITLEY. 7-4 ttc.

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Professional and Business Cards

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M. A. Daniel Jr. Lindsey C. Warren DANIEL & WARREN Attorneys at Law Washington, North Carolina We practice in all the courts.

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Edward L. Stewart, Washington, N. C. W. A. Thompson, Aurora, N. C. STEWART & THOMPSON Attorneys at Law. Washington and Aurora, N. C.

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FOR COMMISSIONER This is to announce that I am a candidate for County Commissioner from Richland Township. I have diligently worked for the Democratic party for thirty years and now in return the support of all Democrats is earnestly desired and will be very much appreciated. W. H. JONES. Edward, N. C.

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