Right Now is the Time to Make the HOUSE LOOK NEW.

We have just received a new line of Paints and Oils, we want you to inspect before buying. Now is the time of the year to do the Painting.

If you want the best double deck coil bed spring you ever saw come down and let us sell you one for 3.50 and you will never need to buy another in its place.

We have just received a big lot of cook stoves, ranges, oil stoves and heaters from 3.90 to 39. Mattresses from 1.05 to 10.00. For 3.90 we will sell you a good heavy combination mattress

Iron beds either half or full for 2.90. A new lot of kitchen safes from 2.90 to 6.50 for a nice one with glass front, a nice peice of

We want to sell you a wheat drill or anything else you may need in farm machinery, then sell you Fertilizer for your wheat

furniture for any kitchen.

We still sell Extra flour for 59cts per bag, salt 58cts, good coffee 16cts, etc.

HOLMES BRYSON, Dillsboro, N. C.

Ready - to - Wear FALL HATS

of beautiful and stylish designs

A new line of embroiedary material of attractive patterns.

McCall Patterns.

Mrs. Annie Tompkins

Miss Saddie Luck

"The home of Stylish Millinery."

A second of the second of the

Wood's High-Grade Seeds.

Crimson Clover

The King of Soil Improvers, also makes splendid fall, winter and spring grazing, the earliest green feed, or a good hay crop.

CRIMSON CLOVER will increase the productiveness of the land more than twenty times as much as the same amount spent in commercial fertilizers. Can be sown by itself or at the last working of corn, cotton or other cultivated crops.

We are headquarters for Crimson Clover, Alfalfa, Winter Vetch, and all Farm Seeds,

Write for prices and Descriptive
Fail Catalog, giving information about all seeds for fall sowing.

T. W. WOOD & SONS, Seedsmen, - Richmond, Va.

One of the most common ailments that hard working people are afflicted with is lame back. Apply Chamberlain's Liniment twice a day and massage the parts thoroughly at each application, and you will get quick relief. For sale by ALL DEALERS.

COR ECTION.

In premium list 1913.

Department B-continued-Mules and Jacks-

Under Entry Numbers 116-117 118-119 and 120 Premium should First \$3,00 second \$2,00, read. Third \$1,00.

"Were all medicines as me trorious as Chamberlain's Colic, Cholera and Diarrhoea Remedy the world the road and the part for which the ing dirt, stumps and rocks under with all possible force against the would be much better off and the percentage of suffering greatly de- sibility, not only at the present the best width for his road, proper judgment about matters of which creased," writes Lindsay Scott, of Temple In l. For sale by ALL DEALERS.

STATUS AND DUTIES OF THE ROAD ENGINEER.

BY JOSEPH HYDE PRATT.

has not establis ied a Highway Commission, with appropriation adequate to employ engineers sufficient 1-2 per cent, and preferably 2 per to design bridges of both concrete to meet the demand that has now cent. When this point is decided, and steel and should ascertain definow been created in the various then the question of surfacing manitely whether existing-structures counties and townships in the State terials comes in, as, if the road can are safe under the strain of severe which have issued bonds or levied be as well located near a sand bank traffi He should have a certain

may be said to be directly depend- facts entering into the road location. verts. his best work he must have the lic burden. dividual or community.

special tax for road building it has or gravel bed, and the grade as knowledge of hydraulics so as to

ent upon the ability and skill of the No first-class, self-respecting enroad engineer thus employed. The gineer will go into a county or with the relative merits and defects county commissions, road commistownship, and stay there, who is of the various kinds of road machinsion, or whatever body of men has not given full powers in regard to ery whether it be the split-log-drag in charge the expenditure of the the selection of the details of loca- or the most elaborate road machine. road fund, should therefore first of tion, and the sooner all ideas of He should be able to write contracts all secure the services of a compe-selfishness and politics, as connect- and specifications clearly and easily. tent road engineer of experience, ed with the location of the public and understand the relations which and put in his hands the organiza- roads, are left out of the matter, should exist between himself and tion and carrying out of the details the sooner North Carolina will have the contractor. He should also of the road work of the county. In a system of public roads which will know whether it would be more order for the road engineer to do be a public benefit and not a pub- economical for the county to do

power to discharge or employ his As to the equipment of a road own force or to contract the same. foreman, his manager of convict engineer for his work: He should Aside from the above technical camp (if convicts are used on the be thoroughly familiar with the requisites, the road engineer should public roads), and the power to sur- location of roads. The word loca- be a man of strong personality and vey and select the details of any tion includes a caleful considera- of great tact, with ability to conroad which the governing board tion of alignment, grades, and drain- vince people of less intelligence of decides it is best for the county to age, as well as economy of con- the necessity of leaving these matbuild at that time. It would be struction. It is desirable that the ters which pertain to the scientific within the province of the county curves, and tangents should be laid side of road building in his hands commissioners or road commission out with the same degree of accur- with the assrurance that he will do to select the points to be connected, acy as those of a railroa'l. The the wisest and best thing for the as A and B, and perhaps via a third survey of a road may mean any-community. point, C, but it is within the pro- thing from a reconnaissance or Having secured the services of vince of the road engineer to select walking trip to an accurate instru- such an engineer-and no county the details of the road between A mental survey, but a location can can spend a portion of its bond C and B; that is, it should rest not be considered as entirely satis- money to better advantage than in with him as to whether the road factory until data are obtained for employing such a one, even at a goes behind a man's house or in the plan, profile, and cross-sections, high price—the commission should front of it, or whether it crosses to be shown on paper, with esti- leave the technical side of road one piece of property or another mates of yardage passed upon and location, construction, and a providpiece of property. The county is and an attempted equalization of ing of a system of maintenance enbuilding the road, and, as the loca- cuts and fills. He should know the tirely in the hands of the road ention is the only permanent part of most economical methods of remov- gineer, and should back him up engineer will receive the full respon- various conditions; he should know time but in time to come, it should slope of the banks, right crown of they have no technical knowledge. be chosen with the transit and lev- the road surface, shrinkage of his el rod and not be deflected by the material, grade stakes, retaining wishes or petty politics of any in- walls, curbs, gutters, expansion joints, etc. He should know the ing for the future as well as the The prime factor, therefore, in characteristics and relative proporlocating a road is getting the tions of road materials and every straightest road between the points detail connected with the construc-As the State of North Carolina desired compatible with the least tion of sand-clay, gravel, macadam, amount of grade. No road should concrete, and bituminous roads. have a maximum grade of over 4 The engineer should be competent

become necessary for the counties good as if it were located a mile or determine what size waterway will and townships themselves to em- so away from such road surfacing safely carry the flood waters from a ploy their own engineers. The suc- material, it should be placed as near given watershed; the qualities and cessful expenditure of a road fund this as is compatible with other prices of the various kinds of cul-

The engineer should be familiar certain forms of road work with its

criticisms of those unfitted to form The wisdom of his course may not be seen at once, but it must be remembered that his work is a buildp. es ent, and that time will be his justification.

It will be very hard for many of the counties and townships of North Caroli a to secure ideal road engineers, because they are not always in a position to give the salary required by such skilled men. and there is no department in the state which ean train up the young

(Continued on page 8)