

Demonstrator Latham Writes Interestingly on Commercial Fertilizer

**Calls Farmers Attention to His Experiences and
Observation As to Fertilizer, Soil Culture
and Plant Growth**

To the farmers of beautiful Carolina—the fertilizer man is again seen as a very great and important subject and is writing at this time the words of an farmer and he is a subject that is very much misunderstood. It is my purpose now to call the farmers' attention to some of the things that I have been enabled by experience as well as observation, to dig out relative to fertilizers, soil culture and plant growth.

We use manure, fertilizer, crops for green manuring, or whatever is essentially used as plant food for the purpose of increasing the growth of plants, which contains one or all of these substances, nitrogen, phosphoric acid and potash contained in it. It must be kept clearly in mind that plants need all three of these plant foods; no one of them can do the work of the other two, nor any two the work of the other two.

However rich a soil may be in any one of them, or in any two, it is in total lack of the plant material. If one of these substances is present, only in sufficient quantity for a fourth of a crop, only a fourth of a crop will be grown, even if the other two substances be present in great excess of the needs of a full crop. To illustrate the point: Take a soil that has a high content of nitrogen and no phosphoric acid and potash and no plant can grow. Take a soil with a high content of phosphoric acid and no nitrogen and potash and no plant can grow, and also take a soil with a high content of potash and no nitrogen and phosphoric acid and no plant can grow. A chain is no stronger than its weakest link. That so, no soil will produce more crops than its weakest element is equal to will allow. The approximate amount of plant food removed from the soil in a 50-bushel yield of corn for one year is about as follows:

50 bushels of corn: 28 pounds of nitrogen, 21 pounds of phosphoric acid and 44 pounds of potash.

The approximate amount of commercial fertilizer required to place the plant food removed by a 50-bushel yield of corn would be about as follows: nitrogen 37 to 48 pounds; phosphoric acid 11 to 23 pounds and potash 26 to 44 pounds. Now to make plain the idea that I wish to convey, we will take an acre of well drained upland loam soil well prepared and properly cultivated that would yield 25 bushels of corn without fertilizer. To make this same acre yield 50 bushels of corn we would have to apply commercial fertilizer about as follows:

37 pounds of nitrogen; 32 pounds of phosphoric acid and 36 pounds of potash. Now if we use cotton-wool meal to get the nitrogen, acid phosphate to get the phosphoric acid and kaint to get the potash, we would make our formula as follows: 560 pounds, seven and one-half percent cotton seed meal which would give the 37 pounds of nitrogen required; 260 pounds sixteen percent acid phosphate, which would give the 11 to 23 pounds of phosphoric acid required and 200 pounds of kaint twelve percent potash which would give the 36 pounds of potash required, making a total of one thousand pounds of fertilizer and if properly applied to this acre of soil with a 25 bushel natural capacity should cause it to yield 50 bushels. This formula expressed in terms of tons would be 1000 cotton seed meal; 480 pounds acid phosphate and 200 pounds of kaint. If a thousand pounds be used, as stated above, and the increase in 25 bushels of corn at \$20 per bushel \$32 would represent a profit of some eight or nine dollars per acre. Mind you, this formula will not apply to all the farms in beautiful Carolina, only the type here referred to. I expect to talk about cotton next week and discuss the subject of tobacco later.

J. F. LATHAM,
Farm Demonstrator of Beaufort
County.

Music Lovers Charmed By Rendition of Faust

**Attraction One of
Best Presented
In Sometime**

To lovers of music the New York Grand Opera Company in presenting Gounod's masterpiece "Faust" at the New Theatre last night simply charmed and delighted; to those not so appreciative the production was not so inviting. The concert of opinion of those present was very competent musical critics, and Washington has quite a number, the production was surely a musical triumph. Due to the inclement season and the unfavorable weather conditions the audience was small, however, those who attended enjoyed a rare treat which was denied those absent. "Faust" is admirably rendered, correctly costumed with complete scenic effects. While the chorus was lacking the solo voices more than made up for this deficiency. From the rising of the curtain showing Faust as an old man mitted in his study, weary and disappointed to last curls, drop where Marguerite lies confined in prison condemned to death for the murder of her child, there was not a dull moment for those who love music; music for those who love music and charmed reluctant to leave.

storm, so much so that the selection was secured several times. "Faust" is both musically and dramatically among the most popular of grand operas and it was given here last night in a manner wholly worth while.

THE LYRIC DELIGHTS ALL WHO ATTEND

The patrons of the Lyric Theater for the last half of the week are being afforded a rich treat in the way of vaudeville. Last night those attending were delighted with the Monte Carlo duo and the singing of Miss Anna Palmer who is filling a return engagement. The vaudeville last night was pronounced one of the very best ever presented at this popular playhouse and in addition to the regular bill Miss Palmer, at the solicitation of a large number, consented to remain over and again appear before the footlights. With this high class vaudeville act and the worthy moving pictures the Lyric should have a packed house tonight. Nothing is presented to offend. This theater under the management of Messrs. Herbach and Kunsley is gaining more commendation from the citizens daily and lastly no, for they handle only the very best in the picture and vaudeville line.

The American forestry association has just elected Henry B. Drinker, president of Lohish university, and F. B. Russell, as its president and secretary respectively.

COMMISSION TO EXAMINE APPLICANTS

**For the Purpose of Filling The
Position of Postmaster at Jessamine, N. C. on March 28th**

The United States Civil Service Commission announces that on Saturday, March 28th, an examination will be held in Washington, N. C., as a result of which it is expected to make certification to fill a contemplated vacancy in the position of fourth class postmaster at Jessamine, N. C., and other vacancies that may occur at that office, unless it shall be decided in the interests of the service to fill the vacancy by reinstatement. The compensation of the postmaster at this office was \$199 for the last fiscal year. All applicants must be twenty-one years of age at the date of the examination and all applicants must reside within the territory supplied by the postoffice for which the examination is announced. The examination is open to all citizens who can comply with the requirements. Application forms and full information can be secured from the postmaster at Jessamine or Mr. F. M. Hodges, the local secretary of the commission at the Washington postoffice.

SEVERAL NEW HOMES TO BE CONSTRUCTED AT WASHINGTON PARK

Rumor has it that within the next few months several new and attractive residences will be in the course of erection at Washington Park, among the number being that of Mr. W. B. Morton whose intention is to erect a model bungalow. Washington Park is fast becoming an ideal location for residences.

NEEDLESS WASTE HUMAN LIFE DR. WRIGHT TONIGHT

**Lectures at City Hall at 8:30.
Field Secretary of Southern
Medical Association
All Invited.**

Dr. H. L. Wright of Mobile, Ala., field secretary of the Southern Medical Association, will address the public at the city hall tonight at 8:30 o'clock. His subject will be "The Needless Waste of Human Life."

Dr. Wright comes to this city bearing with him a high and enviable reputation as a public speaker and lecturer and as a representative of the Southern Medical Association is engaged in the high service of educating the citizenship pertaining to conservation of public health and sanitation and to the betterment of civic life.

A rare treat awaits all who would seek knowledge along these lines, and it behooves all interested to be present for Dr. Wright is well versed in his subject and from advanced notices has the ability of presenting his subject in a way not only to attract but interest as well. All are invited, both ladies and gentlemen.

STILL INDISPOSED.

The numerous friends of Capt. James E. Clark will regret to learn that he is still confined to his home as a result of a cold. He is still in bed and his recovery is not expected.

Which Shall It Be Public Wharf And Low Freight Rates or No Wharf and High Freight Rates?

Washington has long enjoyed the advantage of the low rates which come to all cities so situated as to have water competition in transportation, and it must not lose this advantage by any neglect or unconcern on the part of its citizens. The National Government has long since adopted the policy of assisting such states, cities, towns or communities as show some desire and inclination to help themselves. In order that Washington may remain a water competitive point improvements must be made to Pamlico river; its channel must be deepened to a depth which will permit boats of greater capacity to navigate its waters. Greater appropriations are being secured for these improvements on rivers and harbors where the cities situated thereon are making some effort to protect and take care of the water traffic. Continued low freight rates can be had at Washington only by its providing adequate docking facilities. Washington is so situated that it can and will be made an important distributing point for the interior towns and cities. Only recently there was unloaded here a car load of automobiles which were consigned to a firm in Greenville. Why would a dealer in Greenville order a car load of machines shipped to Washington when they would have to be unloaded here and driven 25 miles through the country to reach their final destination? The answer is because he could get a cheaper freight rate and thereby save an amount sufficient to justify the drive through the country. The railroads in their recent fight against a reduction in freight rates raised the point that Washington has ceased to be a water competitive point and therefore not entitled to the low rates now enjoyed. We, as a progressive community can not afford to lose this advantage which nature has given us. Recently in an editorial the News suggested that improvements be made to the docks at the foot of certain streets, and it still suggests that this should be done even after (in the event it does), it secures the Myers property for a public dock. Since writing the editorial above referred to we have made careful investigation into the reasons why the city should issue bonds for the purchase of this property and the results of that investigation are such as justify us in asserting that the city can not afford to let this opportunity pass whereby it can demonstrate in a substantial way to the national government that we will provide for and protect our water borne commerce. The providing of a public wharf property will enable our senators to go before Congress with confidence and ask for appropriations sufficient to make all improvements to the river which may be necessary for future transportation. The city can not make a mistake in the purchase of this property because should it be found in later years that it is not a profitable investment the property could be disposed of without any sacrifice and thereby retire the bonds without cost to the citizens. Go forward, not backward should always be our slogan. This bond issue can not increase the rate of taxation to any considerable extent and it will be made for a tangible asset. It is the duty of every citizen to give the matter that consideration to which it is entitled and not treat it with indifference. Remember Saturday is the last day in which to register and on this registration hangs the fate of the proposed bond issue.

FROM NORTHERN MARKETS

Mr. John K. Hoyt has returned from northern markets where he went to purchase his spring and summer stock of clothing, dry goods millinery, etc. He has been in Washington Park.

WILL OFFER PRIZE FOR BEST ESSAY

**Daughters of Confederacy De-
cide to Adopt This Rule For
Members of Senior Class of
City Public Schools.**

The Daughters of the Confederacy are going to offer a prize for the best essay written by any member of the senior class of the Washington High School on the subject "Local History During the Confederacy." The Daughters of the Confederacy also intend to place over the grave of every Confederate veteran a simple stone, instead of the temporary marker which has to be renewed each year, and therefore requests that Miss Lena Winfield, president of Pamlico Chapter, U. D. C., North Market street, be notified, of any such graves.

ATTRACTIVE EASTER MUSIC CAN BE LOOKED FOR IN WASHINGTON

The indications point to excellent music on Easter Sunday in Washington this year. Already the choir of the Episcopal and Methodist churches are making preparations and within the next few days the other choirs of the city will begin rehearsals. Washington's musical talent compares favorably with the best and unless something unforeseen happens this year there will be no exception.

SINGLETON NEWS

Clouds are looking stormy and snow is falling. Seems as if Mr. Ground Hog was correct in his prediction. Rev. Lonnie Fowdrey of Washington, filled his appointment here Sunday and Sunday night to a large and appreciative audience. His sermons were enjoyed very much. Miss Lucie Hardison was the guest of Miss Lucie Woolard Saturday night and Sunday. Miss Jessie Hardison spent Saturday night and Sunday with Miss Zula Willard. Miss Amanda Harding of Chocowinity, is spending the week with her cousin Miss Zula Willard. Willard, the little son of Mr. and Mrs. J. R. Chesson is very sick. Mr. and Mrs. J. F. Ricks and Mr. and Mrs. Jodie Hodges of Old Ford, were the guests of Mr. and Mrs. J. Wesley Woolard. Messrs. Josh and Wade Waters of Walla Walla, were in our midst Sunday. Mr. Jodie Harding of Chocowinity, spent Saturday night with Mr. Walter Chesson. Mrs. Daniel Leggett spent Sunday with her parents, Mr. and Mrs. J. H. Singleton. Don't forget Sunday school Sunday at 3 o'clock. Mr. Austin Jackson is confined to his home with measles.

Disagreeable

"We've got the most disagreeable people in the world living next to us." "What do they do?" "Every time we give a party they call in a piano tuner."—Washington Star.

An Uncivil Suit

"You told me I would have to testify in a civil suit." "Well, this is a civil suit." "I don't see how you make that out. Those horrid lawyers were as rude as they could be."—Baltimore American.

Worst Stupidity

There is no harm in being stupid, so long as a man does not think himself clever; no good in being clever if a man thinks himself so, for that is a short way to the worst stupidity.—Macdonald.

Lefty

"I understand that you have written a book?" "Yes," replied Professor Hibrow, "but that does not imply that I have written a book that you understand."—Washington Star.

Big Tailed Sheep

Austrian sheep have heavy, fat tails weighing up to twenty-two pounds. Marco Polo saw and described them.

Good Roads Institute Will Be Held At Chapel Hill March 17, 18 and 19

**Under auspices of The Highway Department of
The Geological and Economic Survey.
Interesting Program Arranged.**

There will be held under the auspices of the Highway Department of the University of North Carolina and the North Carolina Geological and Economic Survey at the University of North Carolina, Chapel Hill, N. C., on March 17th, 18th, and 19th, a Good Roads Institute, conducted especially for road engineers and superintendents. Anyone, however, who is interested in road construction is cordially invited to attend the lectures. A series of lectures are to be given by men well trained in their lines covering various subjects relating to road construction. Following these lectures there will be an opportunity for an open discussion on the subjects.

- First Day—March 17th.
1. Consideration governing the proper location of roads.
 2. Methods of making road surveys.
 3. Use of Adgey level in road location.
 4. The design of roads (including width, curve, depth of ditch, etc.).
 5. Illustrated lecture on asphalt from its source to the pavement.
- Second Day—March 18th.
1. Sand-clay, top soil and gravel roads.
 2. Macadam roads.
 3. Bituminous macadam roads.
 4. Relative merits and defects of various surfaced roads, as bituminous macadam, macadam, concrete, brick, etc.
 5. Drainage of roads.
 6. Bridges and culverts.

GREAT ACT NEW THEATRE ON TONIGHT

Today opens the engagement of the Ward Sisters at the New Theater for a two day engagement, featuring the human living doll weighing 104 pounds that no man can lift. The Ward Sisters offer an act out of the ordinary, and a sensational one that puzzles the audience. This act has played all the leading houses over the Keith line and has received loud praise from all reports. The motion picture program adds to the evening's entertainment, furnishing three reels of the best selected Associated films. Special matinee will be given tomorrow for the smaller children for which the admission prices will be 5c and 10c. Night prices 10c and 20c.

CHOIR MEETING

All the members of St. Peter's Episcopal church choir are requested to meet at the church promptly this evening at eight o'clock for the purpose of rehearsing the Easter music.

IS NOW NORTH

Mr. J. T. Lewis, senior member of the well-known firm of Lewis and Caisle is now in northern markets purchasing the spring and summer stock.

TOMORROW LAST DAY VOTERS TO REGISTER FOR CITY ELECTION

Tomorrow is the last day for the prospective voters to register if they wish to cast their vote in the bond election on March 10. The registrars will be at the respective polling place in the wards all day tomorrow and it behooves all who wish to vote to register. The election is announced for March 10th.

TAXES MUST BE PAID THIS WEEK

The office of the City Tax Collector will be open at night until February 28th for the convenience of the tax payers of the city. After the above date costs will be added. W. C. AYERS,
City Clerk.

THE MAYOR STILL BUSY AT COURT

Had Several Offenders of Law
Before Him This Morning at
The City Hall For Disposition.

Mayor Kugler's Court was again busy this morning. The police are now seeing to it that the offenders of the law are properly dealt with. The mayor today had the following cases to dispose of:

Captain William Spencer was charged with being drunk. After hearing the evidence the court pronounced \$3.00 and cost.

Captain William Spencer then had to face the mayor on another charge, that of carrying concealed weapons. In this case he was bound over to Recorder Windley for final disposition. This will be heard sometime this afternoon.

Arp Spencer was indicted upon the charge of carrying concealed weapons. He is to face the Recorder also this afternoon when final disposition will be made of his case.

A. A. Nichols was charged with disorderly conduct. The judgment of the court was that he pay a fine of \$2 and also the cost.

Albert Dixon, colored, was indicted for having too much "booze" aboard yesterday. He is poorer now to the amount of \$2 and the cost.

CAPT. C. S. WHICHARD RECENTLY INJURED IS GETTING ON NICELY

Capt. C. S. Whichard of the Washington and Vandemere passenger train, who was struck on the mouth by an axe Wednesday accidentally, made his regular run to the city yesterday. Although his wounds are very sore and painful it is pleasing to know that he is getting on nicely and will soon be himself again. Capt. Whichard is one of the most popular conductors coming to Washington. Let's Build in Washington Park.