

UP
 THE GAZETTE'S circulation is still climbing up, not down. It grows greater, not less. Get on the band wagon.

THE GASTONIA GAZETTE.

YOUR WANTS
 Are the names selected when made known through The Gazette's Business Local. You make the list first, then the name per line thereafter.

W. F. MARSHALL, Editor and Proprietor. DEVOTED TO THE PROTECTION OF HOME AND THE INTERESTS OF THE COUNTY. GASTONIA, N. C., FRIDAY, APRIL 15, 1904. One Dollar a Year in Advance. NO. 31

ON FERTILIZING FOR COTTON.

The Rational Way is to Buy Chemicals and Mix to Suit the Soil to be Fertilized.

To the Editor of the Gazette:
 I have no apology to offer in devoting time and space to this subject. Since June 1891 the exports of corn, wheat, meal and flour from the United States aggregated \$4,190,000,000; while cotton, cotton seed, cotton oil and cotton goods for the same period amounted to \$5,900,000,000. This shows conclusively that cotton is "King."
 Statistics tell us that the average yield of the country over is 10 bushels of corn, 180 pounds of cotton and six bushels of wheat to the acre; while statistics, equally as reliable show, that 225 bushels of corn, 2,000 pounds of lint cotton and 180 bushels of wheat have been produced per acre.
 This goes to show there is "something radically wrong" in the fertilization methods, culture and management; hence my excuse for writing these articles.
 It is impossible for the guano manufacturer to mix plant food so as to serve the farmers over a wide area of country. This country contains six kinds of soil, all different and irregularly distributed. Is there any guano maker on earth that knows the boundaries, the composition, the physical condition, the drainage, the texture and how much they have been impoverished and so forth, of the soils he prescribes for? No.
 Guano is used "irrationally" whenever it is applied indiscriminately to all soils and crops; and in order to get your money's worth of guano it is necessary to learn from experience and observation what combination of chemicals suits your soil and crops and then to buy accordingly. Never "lime" cotton ground. Lime shortens growth, hastens maturity, and causes boils to not open.
 "Eight hundred pounds," exclaims some one, "of phosphate per acre," "why you'd burn the stuff up!" You want to put the guano in the ground, I presume. You want a "starter" to give the tender plants a "send-off." To do this use 200 pounds of nitrate of soda per acre at one time as soon as the plant can be seen along the rows; one hundred pounds per acre this week, one hundred pounds per acre week after next. Or, take 10 pounds nitrate soda, 60 pounds of stable manure, 30 pounds of acid and apply in the drill. The above is rational, practicable and beneficial. I would rather fight crime and viciousness than ignorance and prejudice. I have no quarrel with "the guano trust." I am going to convince every man I can of the truth, feeling sure he will accept it; that double the guano and you double your lint cotton yield.
 Some men oppose progress because they are not originators, others because of a spirit of opposition. When an agricultural writer starts out he must make up his mind to respect ideas and opinions of others until he has proved them untenable and then fight the error to the death. Prejudices indoctrinated and inherited are hard to combat and it takes argument to lay them out. Personally it makes no difference to me whether our farmers produce a half bale to the acre or one bale per acre; but I want them to fertilize the cotton plant so as to make a large crop on a little land. The nitrogen, phosphorus and potash are the "Big Three" of chemical fertilizers. With proper cultivation and care of the barn-yard manure two-thirds of the farms could be run without chemical fertilizers. Buy each of the three chemicals where you can get it in the cheapest and most desirable form. Know what you want before you buy. It costs anywhere from \$7 to \$9 per acre to bring cotton to maturity and this, with or without guano, on rich land or sterile, regardless of the yield. It costs no less where the yield is a third of a bale per acre or one bale. The way and the only way in which profit in cotton raising can be increased is to increase the yield per acre. Instead of 2-8-2, 10% guano, 90% "filler" 240 pounds of plant food, 1,790 of dead matter at \$20 per ton why not get high grade guano and be ahead in the transaction?
 The chief abuse is in mixing the commercial guanos, and the exorbitant prices charged for the so called "complete standard" guanos on the markets. This state is afflicted with no

fewer than 500 of these "agricultural panaceas." But there is nothing new in this except the brand names. The manufacturers do the best they can to relieve the disease, which we farmers term "soil sterility." They make a mixture that works well on one man's soil, and then sell the same brand over the whole neighborhood. In guano purchasing, the main principles to be observed are: First, supply what is needed; second, supply in economical way; or negatively, not to purchase what we do not need, nor to pay an extravagant price for fancy names of guano.
 There are two bases upon which we can accomplish results: First, from the analysis of the soils of our farms; second, a series of guano experiments. The first is impracticable, for we have no instruments, knowledge or implements for soil analysis. The second is also impracticable when we consider the vast multitude of "concoctions and decoctions" upon the markets.
 The only practical solution is to purchase the raw chemical, in sufficient quantities to get wholesale rates and mix to suit our soils. We cannot afford to buy the stuff in car-load lots. There would be freight, storage, leakage and waste in mixing. How many farmers understand what is meant by 8-2-2, 8-3-3, (3-8-3)? When I speak of guanos as 8-2-2, I mean a guano which contains 8% of phosphoric acid, 2% nitrogen, 2% potash. Or in other words, 160 pounds of phosphoric acid, 40 pounds of nitrogen and 40 pounds of potash to the ton available for plant food.
 In designing the composition of guano the manufacturers place nitrogen first, phosphoric acid second, and potash third. It is the desire of farmers who raise cotton that the land produce as high a yield as possible. Nature made the land fertile. What have we done? We've been robbing the soil. We are the greatest soil robbers on earth. Hard words these. But it is the truth. Can't you see that continual cropping robs the soil of plant food?
 How much longer need we consider the question? How many more thousands of acres will be abandoned as waste land? How many more farmers will live pinched and narrow lives? Science has done her part, let's do ours!
 R. D. MARTIN.
 The Wake Forest baseball team was beaten for the first time this season by the A. and M. College team in Raleigh Monday afternoon. Score was 10 to 2.

ROYAL Baking Powder

Makes the food more wholesome, and more nutritious to both brain and muscle.

I have given the Training Table to the Cornell University for five years very satisfactorily, and am certain that much of the success has depended upon the quality of articles used. In baking powder, I use the Royal, for it is undoubtedly the best. I have occasionally given others a trial, and have demonstrated to my satisfaction that there is but one always reliable, always making perfect, delicious and wholesome food, — The Old Reliable "Royal."
 (Mrs.) Amelia Morey Atkins.

FROM RUTHERFORD COLLEGE.
Mr. Connell Writes Interestingly of His new Home—The College Flourishing—One Hundred Cases of Measles at one Time—Good News from Gaston's Representatives—A Word of Friendly Advice.
 Connelly Springs, N. C., Apr. 8.—THE GAZETTE comes regularly every Wednesday and Saturday and we are all glad to get it, as through its columns we can keep in touch with our old friends and neighbors.
 We are getting along nicely in our new home and have received a hearty welcome by our neighbors who have shown us much kindness since we have been here.
 We have a fine school, and the students all seem to be doing good work. This is the most prosperous year in the history of Rutherford College. There being now nearly three hundred names enrolled. About all the available space for both board and lodging has been taken up so that if many more than are here now come in this fall more room will have to be provided. So far as I can see, the people of these mountain counties are taking much more interest in the education of their children than the people of Gaston, and this should not be so. The Gaston boys and girls that are here are making good progress and are conducting themselves very creditably.
 The wheat crop is looking fine.
 Peaches were all killed by the freeze on the 4th inst.
 The health of the country is very good.
 There have been a few cases of pneumonia as a result of measles this winter but only one case terminated seriously. We had a regular epidemic of measles here this winter (six cases at our house) but all are well now. There was over one hundred cases in school at one time.
 The political question is very quiet up here—scarcely ever bear politics mentioned. When the primaries come, however, Capt. R. B. Glenn will get one vote for Governor, and Judge W. A. Hoke one for Associate Justice of the Supreme Court.
 You have quite a number of candidates for the different offices in Gaston this year. They are all good fellows and it is a pity they all can't get to the pie counter, but they can't.
 The only disturbing element I hear of from down there is the court house. It seems to me that the thing for both sides to do is to get together and agree to ask the Legislature to order a new court house built and then let the people say where it shall be built, then one side can't say, as they did the last election, that this election means a new court house, and the other that the old one is good enough, and then go before the Board of

Commissioners and try to get them to spend \$10,000 on it after saying it was good enough. It is hurtful to the interests of the county to have either side of the county make a political dead line of Long Creek. Before it comes to that you had better divide the county and make Long Creek the dividing line.
 With the best wishes for the interest of the county, her people, and my friends in particular, I remain,
 Very respectfully,
 J. R. CONNELL.
Buttons in Boy's Nose.
 Charlotte Observer.
 The small son of Mr. P. S. Gilchrist, of Dilworth, has had something wrong with his nose for two years. His parents becoming alarmed about him called in a doctor and had the nose examined. Several doctors were consulted without result. Finally however, a specialist put the boy under the influence of an anaesthetic and made a thorough examination, the result was the extraction of two shoe buttons. The boy is all right now.
 Mrs. Cordelia Botkin has been convicted of murdering Mrs. Jno. P. Dunning by means of poisoned candy through the mails. She will now be tried on the charge of having murdered at the same time, Mrs. Deane, a sister of Mrs. Dunning in the same manner. Already the case has cost the state of California \$80,000.
 The Yorkville Enquirer says that the cotton acreage will not be greatly increased in York county this year. There are lots of farmers who want to increase but are unable to do so because of scarcity of labor. There is very good reason to predict that the yield per acre will be greater. This is to be expected because of heavier fertilizing and more work.

WHAT'S GOING ON.
 J. H. Kennedy & Co., the popular druggists, are thinking of putting a penny-in-the-slot weighing machine in their store, so that those who use Mi-o-na can tell how much they gain in weight every week.
 There is talk of forming a "Get Fat Society" in Gastonia. It will be a jolly crowd, as fat people are always happy. This will undoubtedly increase the sale of Mi-o-na, the flesh forming food, for which J. H. Kennedy & Co., are the local agents.
 It is rather unusual for a physician to treat his patients on the no-cure, no-pay plan. However, this is the way Druggists J. H. Kennedy & Co., are selling Mi-o-na, as they agree to refund the price of 50c a box if it does not cure all stomach troubles and increase weight.
 THE GASTONIA GAZETTE is going to publish experiences of those who have used Mi-o-na, the remarkable flesh forming food. Send in your letters and tell what this preparation has done for you.
 The remarkable results from the use of our advertising columns has never been better shown than in J. H. Kennedy & Co's large sale of Mi-o-na. This preparation has not been advertised for very many months, but it already is the best selling article in J. H. Kennedy & Co's store. —A15-22.
 Real live spring chickens for souvenirs, was an innovation at an Easter party in Middletown, N. J.
 Editor Curtis of the Madison News moves his paper this week from Madison to Kernersville where it will hereafter be published.
 A freight wreck occurred on the Southern Monday afternoon near Fletcher's on the Spartanburg branch. The train was number 54 and the wreck was due to a broken flange. Twelve cars were ditched but no one seems to have been hurt.

DELIGHTFUL SURPRISES.

There are four points we wish to emphasize to-day. We mentioned them Tuesday, but we are so strong at these points that we feel it a duty we owe our customers to insist upon them once again. They are these:

Laces and Embroideries.

For lovers of laces we have many delightful surprises. Broad variety; exquisite patterns.

New Dress Trimmings.

Same way in trimmings—surprises in beauty, surprises in value.

Underwear.

In great variety. Value, durability, newness, faintness, service.

Millinery.

Everything beautiful, reasonable, and stylish, at prices that only add to the fascination of these goods.

JAS. F. YEAGER. STATIONERY SUPPLIES.

We have just received a complete assortment of Stationery of the latest goods out. This embraces box paper, pound paper with envelopes to match, tablets of all sizes and prices. Sealing wax, pens, pencils, indelible ink, and writing fluids. :: :: ::

ADAMS DRUG CO.

PHONE 25.
 Remember we serve only the best at our fountain.

MARY JOHNSTON'S GREAT NEW NOVEL

Sir Mortimer

IS JUST PUBLISHED


Readers of "TO HAVR AND TO HOLD" will welcome the distinct advance which Miss Johnston, already a master-hand in fiction, has made over her previous successes.
 No more delightful romance of Elizabethan days has been written. Love in English bowers and adventure on high seas go hand in hand through a tale of varied and bewildering charm.

With frontispiece reproducing colors of original painting by F. C. Johns, and eight illustrations printed on india-tinted paper and mounted like photographs.

HARPER & BROTHERS, New York

This Book

is one you ought to own. It will grow more interesting every time you turn its pages. As you surmise, it is a book of deposit in the GASTONIA SAVINGS BANK.
 An account with it is a sign of thrift. It is also a sign of a good business man. For every dollar deposited gets to work for you at once. Getting others to work for you is the way to wealth. The sooner you begin, the quicker you reach the goal.



GASTONIA SAVINGS BANK,
 L. L. JENKINS, Pres. L. L. HARDIN, Cashier.

TO BE HAPPY

a man must know that his family will not come to want in case of his death. You cannot feel that their future is secure except by having a substantial LIFE INSURANCE POLICY.
 The Northwestern Mutual Life of Milwaukee gives the BEST CONTRACT offered. BIG DIVIDENDS! See us before giving an application, and let us explain it to you.
Gaston Loan & Trust Co.
 H. G. McLEOD, Treasurer.

BICYCLES!

We have them in all the best makes: Columbias, Hartfords, Racycles, Ramblers, Crescent and Eagles. We carry a full line of supplies. We have a first class Repair Shop. We put on rubber carriage and buggy tires. We put on rubber baby carriage tires. We do sanitary plumbing.
 We want your business. Respectfully,
Torrence Brothers PLUMBERS
 —AND DEALERS IN—
BICYCLES

SPANISH BLUE JACK

Four Years Old



SEASON AT STABLES OF J. MILES RHYNE NORTH OF THE OLD MILL.
JOHN N. HANNA,
 GASTONIA, N. C.

Our Immense New Showing of Spring Shoes

For men, boys, little girls, ladies, misses and children, representing the latest and the most fashionable styles and designed by the most noted shoe makers who furnish this store with shoes, is now ready for your inspection. The new Spring exhibition of shoes is the largest, the handsomest and the most complete in variety we have ever displayed at Spring-time. If your new Spring shoe comes from Robinson's it's bound to be correct and the most stylish of the season.
Robinson Bros.
 The Reliable Shoe Store.