

The Reporter.

ENTERED AT THE POST OFFICE IN DANBURY, AS SECOND CLASS MATTER.

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THURSDAY, APRIL 7, 1881.

CORRESPONDENCE.

North Carolina Agricultural Experiment Station - Bulletin No. 8.

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CHEMICALS AND FORMULAS.

Just at this time the important question with farmers is: How can the best manure be made at the least cost? All will find it necessary to supplement their natural home-manures with fertilizers or with chemicals. In answer to this question, I say first, a good manure can only be made out of good materials, and good materials always cost something. The receipts which are handed about the country for making manure out of worthless materials, are humbugs that...

The farmer aims to supply the four great elements of plant food, phosphoric acid, ammonia, potash and lime, all or in part, according to the demands of his soil or the crop. If he does not get these already mixed for him in a fertilizer, he must buy chemicals, and mix them for himself, using, at the same time, all the home materials he has. The question is, in what form can he buy these things cheapest? The best and cheapest sources of these substances, now within reach of our farmers, are, for available phosphoric acid, dissolved bones and dissolved S. C. phosphate; for ammonia, sulphate of ammonia or potential ammonia in fish-scrap, slaughter-house offal, &c.; for potash, muriate of potash (or fine tobacco, sulphate of potash); for lime, ground plaster. Where dissolved bones or S. C. phosphate are used, it is generally not necessary to buy sulphate of lime in addition, as these contain it...

Some of the costly chemicals called for by formulae supplied farmers by the dealers, are comparatively unneeded. The money often put in sulphate of ammonia and sulphate of soda, for example, had better be put in more of the more valuable ingredients. I do not recommend buying nitrate of soda ordinarily now either. At present prices sulphate of ammonia affords nitrogen cheaper. Nitrate of soda, at 6 cents per lb, supplies nitrogen equivalent to only 17 per cent. of ammonia, while sulphate of ammonia, at 5 1/2 cents per lb, supplies 25 per cent. of ammonia. The nitrate has the further disadvantage, too, of being so very soluble in water that it is in large part washed out of the soil, and thus lost to the plants. Lawes and Gilbert established this for their clay soils at Rothamstead by careful experiments. It must be much truer of our soils. Similarly I recommend muriate of potash (except for fine tobacco) in preference to the sulphate "High grade" sulphate of potash, at 2 1/2 cents a pound, contains only about 27 per cent. of potash, while the muriate, at 3 cents per pound, contains 50 per cent.

Farmers should write to me, and tell me, what materials they have at their disposal, or can get, and I will make up formulae for them suited to the crops they want to cultivate. I have recommended the following formulae frequently this season:

FOR CORN.

Dissolved bone, containing 15 per cent. of available phosphoric acid, 800 lbs. Muriate of potash, containing 50 per cent. of potash, 100 " Mould, 1100 " 2,000 lbs. 400 lbs per acre in the hill. This would cost per ton, (800 lbs dissolved bone \$13.60, 100 lbs muriate of potash \$3.00), \$16.60.

FOR COTTON.

Acid phosphate, 12 per cent. of available phosphoric acid, 600 lbs. Sulphate of ammonia, 25 per cent. of ammonia, 100 " Muriate of potash, 50 per cent. of potash, 100 " 22 bushels of cotton seed, or about 600 " Rotted stable manure, muck or mould, 600 " 2,000 lbs.

The sulphate of ammonia and nitrate of potash to be dissolved in water and sprinkled on the heap.

This will cost—(600 lbs acid phosphate \$9.00, 100 lbs of sulphate of ammonia \$5.50, 100 lbs of muriate of potash \$3.00, 22 bushels of cotton seed about \$2.75)—\$20.25 per ton. 300 lbs per acre. Directions for composting will be gladly supplied on application.

CHARLES W. DABNEY, JR., Director.

ANOTHER RAILROAD SCHEME - Mr. William Cain, who was employed last summer and failed in making the survey of the Western North Carolina Railroad beyond Asheville, went up the road on Wednesday of last week. He and Capt. Dought, who surveyed the Chester and Lenoir Narrow Gauge, met in Hickory on last Monday and organized their surveying company and proceeded across the mountains. They will begin at Lenoir or Patton, and go through Cook's Gap and along the Watauga river, west their way towards Tennessee. The object is to extend across the mountains into North Carolina a Narrow Gauge railroad which is already doing a good business through part of Kentucky and Tennessee, connecting in this State with the Chester and Lenoir Narrow Gauge, or the Cape Fear and Yadkin Valley Railroad—most likely the latter—which will then traverse the entire length of the State, passing by the live towns of Winston and Greensboro and the old historic town of Fayetteville, and reaching tidewater at Wilmington. It was this project, in the hands of Gen. Lubbock, that called forth a bill in the late Legislature for the establishment of a commission to sell the State's interest in the Cape Fear and Yadkin Valley Railroad Company. If this proposed road is ever completed it will be a great blessing to a section of the State that has been long needing a respectable outlet from the mountain peaks and glens.—Hickory Press.

We regret to announce the resignation of Judge Schenck as a certain fact. He has tendered his resignation, to take effect on Friday, the first of April. Judge Schenck will retire to private life with the good wishes and respect of all with whom he has been thrown in contact since his elevation to the bench. He has worn his honors with ease and with credit to himself no less than advantage to the State. A profound lawyer, gifted with great clearness of apprehension, possessed of unusual industry and well trained at the bar, he has left his mark on the circuits and has established for himself a fame that all may envy and but few attain. His resignation will be sincerely regretted, but it will be impossible for a man of his parts and ability to remain any great while out of the public service. In one capacity or another the people will again call him from his voluntary retirement.—Raleigh News Observer.

The Philadelphia Times says of Mahone's speech: "It took four hours, two glasses of lemonade (with a telegraph pole to reach) and two lemons to deliver it. It was read from printed slips, in a cracked voice that oscillated between a yell and a whisper. It was all about the Virginia muddle, the State debt, readjustment and Southern chivalry." And H. J. R., in the Charleston Courier, describes Mahone, when speaking, as follows: "The little dried up and croaking figure, half squatting at every emphasis, the long, skinny fingers extended and curled like talons, and hooking up at the empty air, and that alternating yell and whisper which would drive a camp meeting out of the woods, would command attention. Add to these peculiarities a large and frowny head, long and muddy beard, and collar and cuffs doubling back upon his broadcloth in a sort of a split hair, and modern linen, and you have his photograph as he appeared to-day.

An effort is to be made to introduce the manufacture of tobacco in Greensboro, as well as the sale of the leaf. Mr. John Barker, one of our enterprising merchants, is now making arrangements for the manufacture of plug tobacco, he having rented the McConnell building, on West Market street, and is placing the necessary machinery therein for that purpose.

The old distillery property has recently been rented for the sale of leaf tobacco, and will be fitted up for that purpose by a company of our enterprising merchants. We wish both enterprises a successful issue, and hope both establishments may be duplicated in a short time.—Greensboro North State.

Profit, \$1,200. "To sum it up, six long years of bed-ridden sickness, costing \$200 per year, total, \$1,200—all of this expense was stopped by three Bottles of Hop Bitters, taken by my wife. She has done her own housework for a year since, without the loss of a day, and I want everybody to know it, for their benefit.—[N. E. Farmer.

The people living on the line of the Cape Fear and Yadkin Valley Railroad will soon be gratified at seeing the track laid. The iron has been ordered and is expected to arrive as follows: 1,000 tons in April, 1,000 tons in May and 1,000 in June. It will be laid as rapidly as possible. This quantity will lay the track from the present terminus at the Gulf to Greensboro. We may expect to see trains running between the towns of Fayetteville and Greensboro by the end of the year at furthest. The opening of a road was never looked for more eagerly.—News Observer.

The Democratic Senators will be successful in their effort to prevent the consummation of the bargain between Mahone and the Radicals. They are in high glee, while the Republicans are sick of their bargain and sick of the abominable position they have taken before the country.

The Richmond and Danville Railroad has leased the Atlanta and Charlotte Air Line road.

North Carolina Tobacco.

North Carolina tobacco is world-famous. While looking through the agricultural building at Washington, a week or two since, we particularly noticed the display of leaf tobacco there made. All were shown in most attractive style, but the place of honor was reserved for Granville county. A leaf of bright tobacco is shown from that county which is said to be at once the largest and finest ever exhibited. We noticed persons looking at it from the far West, the extreme South, and even from Maine, and heard their expressions of admiration.—Ec.

Grateful Women.

None receive so much benefit, and none are so profoundly grateful and show such an interest in recommending Hop Bitters as women. It is the only remedy peculiarly adapted to the many ills the sex is almost universally subjected to. Chills and fever, indigestion or deranged liver, constant or periodical sick headaches, weakness in the back or kidneys, pain in the shoulders and different parts of the body, a feeling of lassitude and despondency, are all readily removed by these Bitters.—Courant.

The Davidson county mines in North Carolina have yielded half of all the gold dug east of the Mississippi river, and the iron deposits are regarded as inexhaustible. In asking for the emigration of skilled laborers the State points to 66 cotton and woolen mills, 260 tobacco factories, 20 iron foundries, 19 furnaces, and the foundations of more mills to be built this summer. North Carolina is only fourteen hours' ride from New York city, and it is claimed that the cost of a journey from here to the West will buy a good farm down there.—New York Sun.

An order has been published at Vienna prohibiting the importation into Austria of swine, pork, bacon or sausages from the United States.

Frank Brown, says the Salisbury Watchman, has begun, a second set of working boats, to be used 20 miles up the river from this place.

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THURSDAY, APRIL 7, 1881.

LOCAL NEWS.

Only one week from next Sunday until Easter.

Our Superior court commences Monday, May 9th.

Snow nearly every day and night since last Thursday.

Commissioners Monday is horse swapping day in Daubury.

Did anybody ever see such weather as Friday, Saturday, Sunday and Monday.

Commissioners court met last Monday. A full board present, the regular routine of business gone through with.

We want to buy fifty cords of tan bark delivered at our yard. PEPPER & SONS.

"MY BACK ACHES so,— And I feel miserable," said a hard working man. The doctor questioned him, and found that he had been habitually constive for years, that now his kidneys were disordered, and his whole system deranged. Kidney Wort was recommended, and faithfully taken, and in a short time every trouble was removed. The cleansing and tonic power of this medicine on the bowels and kidneys is wonderful.—Congregationalist.

POISON LIQUOR.— It is an open secret, that if it is any secret at all; for it is well known that notwithstanding there is an act of the legislature prohibiting the sale of spirituous liquor within three miles of Danbury, that there are eight or ten or more persons white and colored, who keep whiskey for sale within the bounds of the place. It is also believed that as impure as the liquor is when it comes from the still-house, that these secret vendors so adulterate and drug it as to make it a deadly poison.

While we deplore the corruption manifested by some of those whose sworn duty it is to see that the law is enforced, we think it the duty of every man who regards the lives of his fellowmen, to use his influence in bringing to justice those persons who would sacrifice the lives of their neighbors for a few dollars.

Yes, we say that the man or woman whether white or black who will so adulterate liquor as to make it a deadly poison, and then sell it to his or her neighbor to drink should be sent to the penitentiary for ninety-nine years.

List of magistrates for Stokes appointed by the last legislature: Snow Creek—Samuel Wall. Peter's Creek—P. H. Mabe. Yadin—J. Q. A. King. Saratoga—Sterling Adams. Meadows—J. P. Hill. Quaker Gap—James A. Leak. Beaver Island—M. T. Mitchell.

FERTILIZERS.— We have made arrangements by which we can furnish you either Pacific guano or the Star Brand Fertilizer as low as you can buy it. We will deliver it at the depot in Winston, at any point on either of the roads leading from it to place to Winston (by way of about cave of Germantown), or at Danbury. PEPPER & SONS. April 6th, 1881.

PERRY DAVIS' VEGETABLE PAIN KILLER

A PURELY VEGETABLE REMEDY For Internal and External Use, is a SURE CURE for all the Diseases for which it is recommended, and is ALWAYS PERFECTLY SAFE in the hands of even the most inexperienced persons. It is a sure and quick remedy for COUGHS, SORE THROAT, CHILLS, and similar troubles; affords instant relief in the most malignant forms of DYPHTHERIA, and is the best known remedy for RHEUMATISM and NEURALGIA. THE OLDEST, BEST, AND MOST WIDELY KNOWN FAMILY MEDICINE IN THE WORLD. It has been used with wonderful success in all parts of the world for CHAMPA, CHOLERA, DIARRHEA, DYSENTERY, and all BOWEL COMPLAINTS, that it is considered an unfailing cure for these diseases. HAS STOOD THE TEST OF 40 YEARS' CONSTANT USE IN ALL COUNTRIES AND CLIMATES. IT IS RECOMMENDED BY Physicians, Missionaries, Ministers, Managers of Plantations, Work-Shops, and Factories, Nurses in Hospitals—in short, by Everybody everywhere who has ever given it a trial. IT IS WITHOUT A RIVAL AS A LINIMENT. It should always be used for Pain in the Back and Side, and brings speedy and permanent relief in all cases of Bruises, Cuts, Sprains, Severe Burns, Scalds, etc. NO FAMILY CAN SAFELY BE WITHOUT IT. It will annually save many times its cost in doctor's bills, and its price brings it within the reach of all. It is sold at 25c. 50c. and \$1.00 a bottle, and can be obtained from all druggists. PERRY DAVIS & SON, Providence, R. I.



Cure Back Ache. And all diseases of the Kidneys, Bladder and Urinary Organs by wearing the Improved Exclisor Kidney Pad. It is a Marvel of Healing and Relief, SIMPLE, SENSIBLE, DIRECT, PAINLESS, POWERFUL. IT CURES where all else fails. A Revolution and Revolution in Medicine. Absorption and direct application, as opposed to unsatisfactory internal medicines. Send for our treatise on Kidney troubles, sent free. Sold by druggists, or sent by mail, on receipt of price \$2. Address: The "Only" Lung Pad Co., Williams' Block, DETROIT, Mich. This is the Original and Genuine Kidney Pad. Ask for it and take no other. Send for Testimonials and our book, "Three Millions a Year," sent free. Oct 28 1880. At WHOLESALE IN CHARLESTON, S. C.

Robert G. Galloway, Jr., with STERN & CO., Wholesale Boots and Shoes, No. 9 GOVERNOR STREET, 5th Door from Main, ap716 RICHMOND, VA.

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HOP BITTERS. (A Medicine, not a Drink.) CONTAINS HOPS, BUCHU, MANDRAKE, DANDELION. AND THE PUREST AND BEST MEDICAL QUALITIES OF ALL OTHER BITTERS. THEY CURE All Diseases of the Stomach, Bowels, Liver, Kidneys, and Urinary Organs, Nervousness, Sleeplessness and especially Female Complaints. \$1000 IN GOLD. Will be paid for a case they will not cure or help, or for anything injurious or dangerous found in them. Ask your druggist for Hop Bitters and try them before you sleep. Take no other. D. C. is an absolute and irrefragable cure for Drunkenness, use of opium, tobacco and narcotics. SEND FOR CIRCULAR. Hop Bitters 50¢, Do., Rochester, N. Y., & Toronto, Ont.

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STATE OF NORTH CAROLINA, STOKES COUNTY. In the Probate Court, P. H. Mabe, Administrator of Elijah Ashby, Plaintiff, Against Lucy Ashby (the widow), and Alfred Meadenhall and wife Mary J. Meadenhall, Solomon Ashby, Marilla Ashby, John Ashby, James Ashby, Andy Cook and wife Nancy Cook, and Henderson Ashby, heirs-at-law of Elijah Ashby, Defendants.

JAMES HERRSON, JR., Judge of Probate.