

SOUTHERN FARM NOTES.

TOPICS OF INTEREST TO THE PLANTER, STOCKMAN AND TRUCK GROWER.

Nitrogen.
Just what amount of nitrate of soda is used in this country for fertilizing purposes we do not know, but the amount is certainly very large. The whole output has been in the hands of a combination, which is composed of English capitalists, who, on a capitalization of \$800,000 have cleared \$2,100,000. Now we are informed that the combination is about to break up, and it may result in a lower price for the nitrate. The Chilean Government gets \$25,000,000 annually from the export duty on nitrate of soda. Now we are sure that a very large part of the enormous amount of money that has been spent on nitrate of soda has been wasted, by reason of bad farming. It is doubtless that it is early truck crops, but its economical use in general farming is not so certain. Farmers annually buy nitrate and other forms of nitrogen merely to get a little more to sell at once from the land, when by the use of the legumes, and a proper rotation of crops, they could improve their soils without the purchase of nitrogen in any form. And of late many have been deluded with the notion that they can, by a few bacteria on dried cotton, induce the greater accumulation of nitrogen by the legumes, and they have paid \$2 per acre for what cost less than ten cents to make, and at that generally worthless. There is no doubt that if the soil is well supplied with the bacteria suited to the legume being grown, there will be a greater nitrogen fixation by the legume. But where the bacteria already exist in the soil, the further inoculation could do no good. And then, no matter how well the soil may be inoculated with the bacteria that live on the roots of the legumes, if it is deficient in phosphoric acid and potash, no amount of inoculation will avail much. Now, if instead of buying so much of the evanescent nitrate of soda, and paying \$2 for a vest pocket package of raw cotton, farmers would devise a rotation of crops that will bring the legume crop generally grown in their section, and would liberally supply that legume crop with phosphoric acid and potash, they could get all the nitrogen which farm crops in general need, without cost. In the large section of the country where clover has been the legume crop, there is seldom any need for inoculation with the clover bacteria, and in sections where the cowpea has been grown for generations, no inoculation is needed for it, and if there was, no amount of inoculation will be of much use unless the soil is supplied with the mineral elements of plant food. The fact is that there are few of the legumes that will not finally inoculate the soil with the germs carried on the seeds, and there are millions of acres more in need of the plant foods that the legumes need than of inoculation.

Some years ago a German bacteriologist sent out under the name of Nitragin a laboratory culture of soil bacteria, and a little vial of this as large as one's little finger was to put all the nitrogen needed on an acre of land. In field practice it was found entirely useless, just as the last vest-pocket packages of cotton have proven. The fact remains that we can get all the nitrogen we need through the agency of the legumes, if we supply them liberally with the plant food they require, phosphoric acid and potash. When this is done, there may be some good done in many cases by soil taken from a field where the particular legume has been long grown, and the soil better inoculated than the one sown last. A bushel or two of this, scattered over an acre, will beat the cotton wads every time, but will not atone for any lack of phosphoric acid and potash in the soil.—W. F. Massey.

A New View of the Hog.
It is natural for the hog to wallow, but that does not prove that he should cool himself in a germ-infested, filthy mud hole, to maintain his health. The present day hog is the product of a great deal of cross-breeding, the object of which was to change the shape and nature of the primitive hog. Our domesticated hog would die if he were placed in the haunts of the wild hog, and expected to live as did the primitive wild hog, because he has constantly been bred away from the nature and habits of the wild animal. He needs water to cool his body, but he does not need mud. Give him the choice of a dirty wallow or a trough full of clean water, and four times out of five he will take the water. Then, why should the hog root? His feed should be easily found above the ground in a domesticated state. This vigorous form of athletics is not necessary to his health or well-being, but is positively harmful. The low-priced joints, jawbones and shoulders are increased in size at the expense of ham and bacon. The nervous energy expended in rooting should be reserved for digesting the abundant supply of feed that finds its way into his caeca-

lous intestines. As he grazes or feeds from the sloop trough there is no need of the tough piece of cartilage that adorns his swine's nose. While crushing sorghum or chewing the stalks of juicy sorghum the pig's snout is out of business. It is only when peanuts, sweet potatoes or artichokes are left in the ground for him to harvest that the rooster has any reason to root in this day and generation.

A Farm Repair Shop.
The good old precept, "A penny saved, is worth two earned," will apply to the farmer's business probably more than any other. It is the small and numerous leaks that defy the pumps and sink the great ship, and it is the many small expenses of the farm that render the business unprofitable unless avoided. Things are constantly wearing out about the farm, and unless there are facilities for repair on the farm, in the crop season when time is valuable the broken article must be sent to town for repair, the cost of the trip being far more than that of the repair, and the loss of time from the cultivation or harvest of crops, many times more than all the rest. Right here is where the all round handy man wins out against the one who can only do ordinary farm work. With the proper facilities at hand, if a machine is broken, in a few minutes the iron is welded or the broken wooden part replaced by a new piece, and the farm work proceeds and valuable time is thus saved. At all times of year there are many improvements and repairs about the place that the farmer can make himself at but a slight outlay of money, and therefore a well-equipped repair shop and the skill to make repairs are necessary adjuncts to successful farming.—The Epitomist.

Abolish the Blinders.
We find an item, in the Savannah Weekly News, which we can heartily endorse. We have not used blinders on a horse for years. If we have to take a new bridle with blinders, we cut them off before using it. The best handlers of horses are condemning blinders. The purpose of blinders is to shut off from view any object from behind that horse that might cause the horse to become alarmed and try to run away.

As to this, blinders have proven more disastrous than beneficial. If a horse passes some object that is not fully understood by him and causes fright, the shutting off from view of this scarecrow by blinders only increases the fear. Any horse of ordinary good sense can soon be taught not to scare at flags, cars, covered wagons, umbrellas, etc., by letting him see them and understand them. Give the horse the full power of all his senses; let him see, hear and smell, if need be, to satisfy his fears.—Florida Agriculturist.

Eleven Dairy Rules.
1. Keep the cows clean and wash the udders before milking.
2. Keep the barn clean, with walls and ceiling whitewashed; have it well lighted, ventilated and free from dust at milking time.
3. Always make a clean toilet before commencing to milk.
4. Keep utensils clean and bright.
5. Remove the milk from the stable as soon as drawn and strain and cool at once.
6. Never expose milk to bad odors.
7. Do not mix fresh warm milk with that which has been cooled.
8. Give the cows only wholesome food and pure water.
9. Never add anything to milk to prevent its souring. Cleanliness and cold are the only preservatives needed.
10. Milk regularly, quickly, quietly and thoroughly.
11. Always treat the cows kindly and never excite them by loud talking, hard driving or abuse of any kind.—Oklahoma Farmer.

Growing and Feeding Sweet Potatoes.
I will give my experience in raising and feeding sweet potatoes: I have rows three and a half feet wide, set draws twenty inches in rows. I manure with coarse farm yard manure in drill with fifty to 100 pounds muriate potash, fifty to 100 pounds cottonseed meal, and 100 to 200 pounds sixteen per cent acid phosphate per acre. I vary the fertilizer according to the character of the soil. Very sandy land needs a large per cent. of potash, and poor land needs more ammonia. Few of us have understood the feeding value of the sweet potatoes. With sweet potato patch in each field so as that hogs can eat peas or potatoes they do better than on peas alone. I am trying feeding my mules half feed potatoes; give one-third more in measure than you do corn in ear. With pea vine or soja bean hay you may feed sweet potatoes entirely, if not at very hard work.—H. M. Johnson, Johnston County, N. C.

Pointed Paragraphs.
His appearance puts a promise into our bitterest partings.
They find the life of glory who follow the glorious Lord.
They cannot enter His life who know nothing of His death.
Isn't it surprising what a lot of good bargains are offered a man when he's broke?

News Notes.
Half of San Francisco was destroyed by earthquake and fire, 200 lives being lost more than 1,000 persons injured and enormous property loss caused.
Strikers in and around Lens, France, had combats with troops and wounded many, only dispersing when the riot act was read.

SAVED BABY LYON'S LIFE.

Awful Slight From That Dreadful Complaint, Infantile Eczema—Mother Praises Cuticura Remedies.
"Our baby had that dreadful complaint, Infantile Eczema, which afflicted him for several months, commencing at the top of his head, and at last covering his whole body. His sufferings were untold and constant misery, in fact, there was nothing we would not have done to have given him relief. We finally procured a full set of the Cuticura Remedies, and in about three or four days he began to show a brighter spirit, and really laughed, for the first time in a year. In about ninety days he was fully recovered. Praise for the Cuticura Remedies has always been our greatest pleasure, and there is nothing too good that we could say in their favor, for they certainly saved our baby's life, for he was the most awful sight that I ever beheld prior to the treatment of the Cuticura Remedies. Mrs. Mabelle Lyon, 1826 Appleton Ave., Kansas, Kan., July 18, 1905."

A woman can have an awful nice ery thinking how hard it would be on her children if she weren't such a good mother to them.

Cures Eczema, Itching Humors, Pimples and Carbuncles—Costs Nothing to Try.
B. B. B. (Botanic Blood Balm) is a certain and sure cure for eczema, itching skin, humors, scabs, scales, watery blisters, pimples, itching bones or joints, boils, carbuncles, pricking pain in the skin, old eating sores, ulcers, etc. Botanic Blood Balm cures the worst and most deep-seated cases by enriching, purifying and vitalizing the blood, thereby giving a healthy blood supply to the skin. It cures every sore and gives the rich glow of health to the skin. Builds up the broken down body and makes the blood red and sparkling. Especially advised for chronic, old cases that doctors, patent medicines and hot springs fail to cure. Druggists, \$1, with complete directions for home cure. To prove B. B. B. cures, sample sent free and prepaid by writing Blood Balm Co., Atlanta, Ga. Describe trouble, and free medical advice sent in sealed letter.

Often the head that rejects the argument on the future is overcome by a heart that is led by little hands reaching out from another life.

L. & M. Paint and Varnish.
Buy L. & M. Paint and get a full gallon. Weighs 10 to 15 years, because L. & M. Zinc hardens L. & M. White Lead and makes L. & M. Paint wear like iron. 4 gallons of L. & M. mixed with 3 gallons oil will paint a moderate sized house. C. S. Andrews, Exc-Mayor, Danbury, Conn., writes: "Painted my house 19 years ago with L. & M. Looks well to-day."

PAINT YOUR HOUSE.
15 per cent. commission allowed to any resident where we have no agent, on sale of L. & M. to property-owners, at our retail price. Apply to LONGMAN & MARTINEZ, Paint Makers, New York.

John D. Rockefeller, Jr., addressed his Bible class on the Tenth Commandment "Thou shalt not Covet."

KIDNEY TROUBLES
Increasing Among Women, But Sufferers Need Not Despair
THE BEST ADVICE IS FREE
Of all the diseases known, with which the female organism is afflicted, kidney disease is the most fatal, and statistics show that this disease is on the increase among women.



Unless early and correct treatment is applied the patient seldom survives when once the disease is fastened upon her. We believe Lydia E. Pinkham's Vegetable Compound is the most efficient treatment for chronic kidney troubles of women, and is the only medicine especially prepared for this purpose.

"When a woman is troubled with pain or weight in loins, backache, frequent painful or scalding urination, swelling of limbs or feet, swelling under the eyes, an uneasy, tired feeling in the region of the kidneys or notices a sediment in the urine, she should lose no time in commencing treatment with Lydia E. Pinkham's Vegetable Compound, as it may be the means of saving her life. For proof, read what Lydia E. Pinkham's Vegetable Compound did for Mrs. Sawyer. I cannot express the terrible suffering I had to endure. A derangement of the female organs developed nervous prostration and a serious kidney trouble. The doctor attended me for a year, but I kept getting worse, until I was unable to do anything, and I made up my mind I could not live. Finally I decided to try Lydia E. Pinkham's Vegetable Compound as a last resort, and I am to-day a well woman. I cannot praise it too highly, and I tell every suffering woman about my case."—Mrs. Emma Sawyer, Conyers, Ga.

Mrs. Pinkham gives free advice to women; address in confidence, Lynn, Mass.

HIGH CLASS DRUGGISTS AND — OTHERS.

The better class of druggists, everywhere, are men of scientific attainments and high integrity, who devote their lives to the welfare of their fellow men in supplying the best of remedies and purest medicinal agents of known value, in accordance with physicians' prescriptions and scientific formula. Druggists of the better class manufacture many excellent remedies, but always under original or official names and they never sell false brands, or imitation medicines. They are the men to deal with when in need of anything in their line, which usually includes all standard remedies and corresponding adjuncts of a first-class pharmacy and the finest and best of toilet articles and preparations and many useful accessories and remedial appliances. The earning of a fair living, with the satisfaction which arises from a knowledge of the benefits conferred upon their patrons and assistance to the medical profession, is usually their greatest reward for long years of study and many hours of daily toil. They all know that Syrup of Figs is an excellent laxative remedy and that it gives universal satisfaction, and therefore they are selling many millions of bottles annually to the well informed purchasers of the choicest remedies, and they always take pleasure in handing out the genuine article bearing the full name of the Company—California Fig Syrup Co.—printed on the front of every package. They know that in cases of colds and headaches attended by biliousness and constipation and of weakness or torpidity of the liver and bowels, arising from irregular habits, indigestion, or over-eating, that there is no other remedy so pleasant, prompt and beneficial in its effects as Syrup of Figs, and they are glad to sell it because it gives universal satisfaction.

Owing to the excellence of Syrup of Figs, the universal satisfaction which it gives and the immense demand for it, imitations have been made, tried and condemned, but there are individual druggists to be found, here and there, who do not maintain the dignity and principles of the profession and whose greed gets the better of their judgment, and who do not hesitate to recommend and try to sell the imitations in order to make a larger profit. Such preparations sometimes have the name—"Syrup of Figs"—or "Fig Syrup"—and of some piratical concern, or fictitious fig syrup company, printed on the package, but they never have the full name of the Company—California Fig Syrup Co.—printed on the front of the package. The imitations should be rejected because they are injurious to the system. In order to sell the imitations they find it necessary to resort to misrepresentation or deception, and whenever a dealer passes off on a customer a preparation under the name of "Syrup of Figs" or "Fig Syrup," which does not bear the full name of the California Fig Syrup Co. printed on the front of the package, he is attempting to deceive and mislead the patron who has been so unfortunate as to enter his establishment, whether it be large or small, for if the dealer resorts to misrepresentation and deception in one case he will do so with other medicinal agents, and in the filling of physicians' prescriptions, and should be avoided by every one who values health and happiness. Knowing that the great majority of druggists are reliable, we supply the immense demand for our excellent remedy entirely through the druggists, of whom it may be purchased everywhere, in original packages only, at the regular price of fifty cents per bottle, but as exceptions exist it is necessary to inform the public of the facts, in order that all may decline or return any imitation which may be sold to them. If it does not bear the full name of the Company—California Fig Syrup Co.—printed on the front of every package, do not hesitate to return the article and to demand the return of your money, and in future go to one of the better class of druggists who will sell you what you wish and the best of everything in his line at reasonable prices.

People who aren't married have very optimistic views about wedded bliss.

H. H. GREEN'S SONS, of Atlanta, Ga., are the only successful Dropsy Specialists in the world. See their liberal offer in advertisement in another column of this paper.

The Old Brocade.
In a black oak chest all carved, We found it laid. Still faintly sweet of lavender, An old brocade. With that perfume came a vision, A garden fair, Inclosed by great yew hedges; A lady there, Is cutting fresh blown lavender. A-singing goes Up and down the alleys green— A human rose. The sun glints her auburn hair And brightens, too, The silver buckles that adorn Each little shoe. Her kerchief and her elbow sleeves Are cobweb lace; Her gown, it is our old brocade, Inclosed by grace. Methinks I hear its soft froufrou, And see the sheen Of its dainty pink mossrose buds, Their leaves soft green. On a ground of palest shell pink, Or its dainty gold; But long dead the Rose who wore it— The old Brocade. —M. S. Brereton, in A Celtic Christmas.

Isn't it surprising what a lot of good bargains are offered a man when he's broke?

Head High Tobacco
Increase Your Yield Per Acre

can easily be raised with regular, even stands, and the highest prices can be gotten at your warehouse, or from tobacco buyers if you will, a few weeks before planting, liberally use.

Virginia-Carolina Fertilizers.
Use them again as a top dressing, or second application. These fertilizers are mixed by capable men, who have been making fertilizers all their lives, and contain phosphoric acid, potash and nitrogen, or ammonia in their proper proportions to return to your soil the elements of plant-life that have been taken from it by continual cultivation. Accept no substitute.

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No doubt you'll need a TOWER'S FISH BRAND SUIT or SLICKER this season. Make no mistake—it's the kind that's guaranteed to keep you dry and comfortable in the hardest storm. Made in Black or Yellow. Sold by all reliable dealers.

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CURED Gives Quick Relief.
Removes all swelling in 3 to 20 days; effects a permanent cure in 30 to 60 days. Trial treatment given free. Nothing can be fairer. Write Dr. H. H. Green's Sons, Specialists, Box 8 Atlanta, Ga.

So. 17-06.

AS a renovator of soil and as a food for stock, the cow pea is unsurpassed. To get the largest possible yield of cow peas from any given soil, a plentiful application of POTASH is necessary.

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Thousands of Women suffer every month in silence, tortures that would drive a man to the edge of despair. The ailments peculiar to women are not only painful but dangerous and should receive prompt treatment before they grow worse. If you suffer from pain, irregular functions, falling feelings, headache, side ache, dizziness, tired feeling, etc., follow the example of thousands of women who have been relieved or cured, and take Wine of Cardui.

WINE OF CARDUI
Sold by all Druggists