

Modern Farm Methods As Applied in the South.

Notes of Interest to Planter,
Fruit Grower and Stockman

Chickens and Garden.

It is an old saying that "chickens and garden do not go together," and taken as meant, nothing is more obviously true. But the two may exist and thrive simultaneously on the same premises to good advantage. He who owns a small piece of ground or has one under his direct supervision may obtain from the garden a large percentage of the support of a lot of hens upon what would otherwise be waste. As to the construction and hygienic arrangement of a small poultry yard, I refer you to articles which appear from time to time in these columns.

The logic of economy is, or should be, an absorbing theme for each member of the average family, and is always recognized as an item of the basis of thrift. There are many edible portions of garden "off falls" that are real relishes for fowls, but they are usually consigned to the dump.

Onions intended to mature dry bulbs for winter are improved in size and tissue by occasionally clipping the freshly fallen tops or blades. There is no finer luncheon for fowls than these.

The juicy young plants drawn from rows of radish, cabbage, lettuce, spinach and corn at thinning time are good appetizers. The simplest change in diet or addition to the customary rations quickly shows a remarkable increase of egg production. Stalks of cabbage shorn of their heads, and of corn "in joint," accidentally or otherwise broken off, should be collected and carried to the poultry pen while fresh. Poorly filled roasting ears rejected for table are splendid raw feed for chickens.

Nubbins of sugar corn permitted to ripen make a most excellent winter food. It is interesting to watch the hens select the grains of sugar corn from among the grains of field corn fed at the same time. The fowls—save every blade of it! The chickens will eat it all, and it is very beneficial when fed along with the more concentrated foods in winter.

Drop sunflower seeds in the missing hills of early corn and potatoes, etc., and harvest in the autumn for feeding purposes at molting time. The small potatoes rejected in the patch at digging time measure up astonishingly, and when cooked make a staple ingredient for the bran mash on cold mornings. Turnips, like potatoes, are not only nutritious, but help to counteract the ill effects of too much grain, and should be treated like potatoes for the warm mash. After digging time a little corner of the early potato patch will raise enough turnips for both family and chickens.

When your fowls seem cloy or indifferent to their feed, make up a menu from the garden and observe how quickly new life seizes upon the whole flock.

Have a care. May you not be as economical as the millionaire pork packer who boasts that "nothing is lost of the pig except the squeal?" Economy is the keynote of success in business. Economy to a fault is better than penury. A few hens, however, will not make you rich, but if you have chickens, and also a garden, remember that it is possible for you to save many an order for feed, and supplant it with articles better than any compound sacked up and offered to you on the market at a fabulous price.—L. C. Seal, in Farm and Fireside.

Applying Fertilizers to Grass Land.

L. H. W., Farmville, writes: When should a mixture of nitrate of soda, muriate of potash and acid phosphate be applied for timothy hay? I have an eight-disk Superior grain and fertilizer drill and can sow grass seed at the same time.

Answer: It will not be worth while to seed grass now until the fall. From the 15th of September to the 1st of October is a very good time, provided there is enough moisture in the ground to cause the grass to germinate quickly. You can apply the fertilizer and sow the grass seed at the same time, if desirable. The fertilizer should not be put in the ground too deep and the grass seed sown on top and covered with a harrow. We do not think it is good policy to mix the seed and fertilizer together. We regard the weeder as one of the best implements for covering grass seed. If you use a nurse crop, you will find a light seeding of barley, oats or wheat advantageous. If oats are used they may be cut for hay when in the early dough stage the next year and not allowed to mature. This will prevent the ground from being dried out so completely as when the oats mature will enable the grass to make a better growth before the dry weather of summer.

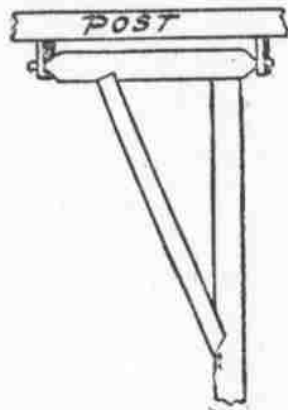
HIS VOICE.

It was at a summer hotel, and the baby, being warm and fretful, cried, "Tut! Tut! We man't disturb our neighbors this way," the fond father said, taking the child in his arms. "Let me sing to him, if he won't go to sleep." He sang, and straightway came a knock at the door and these words: "There's a sick lady next door, and, if it's all the same to you, would you mind letting the baby cry instead of singing to it?"

sets in. We think that grass may often be seeded by itself advantageously, especially if the ground is not particularly rich. Land that is foul with weeds and trash should first be summer fallowed and sown in cowpans to be utilized for green manure. They will also act as a smother crop and hold weed growth in check.

A Handy Harness Hanger.

I first dressed a 2x3 piece of timber and cut three pieces—the upright three feet long, the top piece five feet long and the brace three and a half feet long and framed them together like illustration. Then I took two old sled standards, staples, and drove them in the post of the stable, round-



ed the ends of the upright piece so they would turn and put them in. Then you can open them out, put your harness on them, push them back against the wall and they will be out of the way and keep them straight. I have found this handy.—Grover A. Art, Ewing, Ky.

Pure Bred Bull is the Most Profitable.

It is certainly essential that every dairyman have a pure bred bull at the head of his herd, and it should be a registered bull, too; not that kind that is "thoroughbred," but cannot be registered; they are generally grades. Every dairyman, if he expects to make a complete success of his business, should raise his own cows, by saving the heifer calves from the best producers in the herd, and in order to raise the standard of his herd, he should by all means keep a bull that is well bred, and whose offspring is calculated to make good dairy cows. When a dairyman buys a bull he should look for better results than the mere fact of getting his cows with calf. He should figure on improving the quality of his future herd, and to do this he should look to the quality of the bull, and not to the cheapness of the price. The character and reliability of the breeder means a great deal in the buying of a good herd bull. The bull should be one that will lay a good foundation for a healthy, vigorous and high-producing dairy herd, and one that will help increase the good effects of every future sire that may be used.

The purchaser should select a breed that is as near his ideal as possible, and then stick to it, and not change from one breed to another every year or two. A bull should indicate from his appearance that he possesses a strong individual character. He should show plenty of masculinity and a good, distinct dairy type. He should have a strong constitution and plenty of nervous energy, so that he will stamp his characteristics, as well as those of his dams, on his offspring.

The Good Peach Orchardist.

We plant a crop of corn, cotton or cabbage every year and do not complain because we must plant every time before we get any harvest; but most of us complain loud and long because we cannot put out a budded peach tree and have it bear a harvest yearly for a long time. The real fact is, that if we should spray and trim peach trees carefully, thin the fruit thoroughly, take time enough to destroy the borers that may attack it and get no more than three crops before a tree died, a budded tree that bore choice peaches would yield a handsome profit. We could afford to uproot the old tree and plant a new orchard early enough to take the place of the old one. That is what peach growers expect to do in sections where peach growing is a thriving industry.

The Extra Pounds.

It will cost about 150 pounds of butter to keep a cow in good production a year; and a cow that gave no more could not pay her way. She will forget in the profit class, all expenses considered, till she yields 200 to 240 pounds of butter fat a year. After such an amount is reached every additional pound will be practically net profit. These extra pounds are what should be striven for.

A MODEST DOCTOR.

While on his vacation, a city doctor attended the Sunday morning service at a little country church. When the congregation was dismissed several of the members shook hands with him, and one, wishing to learn if he were a Methodist, inquired, "Are you a professor, brother?" "Oh, no, indeed," answered the physician modestly; "just an ordinary doctor."—January Lippincott's

GOOD ROADS

Construction of Country Highways.

BY JAMES M. HEAD, EX-MAYOR OF NASHVILLE.

During the past few years many experiments have been made to construct a roadway, at a reasonable cost, that would withstand the action of the elements, water, heat and frost, the impact of the horses' iron shod hoofs, the grinding effect of the wheels of traffic, and the sucking action of the automobile tire in withdrawing the cementing material and scattering it to the winds, created by the speed of the machine itself. And while all of these experiments lead to the conclusion that the use of some bituminous binder is absolutely necessary to meet these conditions, the perfect roadway has not yet been devised.

In all these experiments there have been two radically different theories as to the best method of constructing a roadway that would bind the mineral particles together, afford elasticity, and waterproof the surface so as to make the roadway withstand the action of the elements and the strain of traffic—the one theory assuming that mere density of structure would best accomplish this end, and therefore advocating the use of fine particles of sand so graded as, with the bituminous cement used, to make, as nearly as possible, a solid mass, depending, however, almost exclusively upon the cement used to furnish the required hardness to withstand the effect of traffic. The other theory claimed that greater stability, and at the same time greater density, could be accomplished by the use of different sizes of stone so graded that the smaller would fill the voids between the larger, and thereby permit the use of a softer cement, giving to the structure greater life and elasticity, and at the same time affording a better foothold for horses and preventing the skidding of automobiles.

But it does seem that there must be an intermediate method of constructing country roads, which will combine the essential ideas of the more permanent forms of street construction, without the expensive details necessary for the construction of that kind of pavement, and at the same time meet the demands to which the road may be subjected. And it is this form of road construction that I desire to submit for your consideration.

First and foremost in road building, as in everything else, there must be a good solid foundation properly laid out and constructed, before anything worthy of being called a good road can be commenced. Upon the sub-grade properly graded and rolled a foundation not less than five inches of stone, of practically uniform size, not larger than two and a half inches, should be spread and thoroughly rolled, and upon this surface there should then be spread enough crusher screenings to fill the voids in the surface of the lower layer. If larger stones are used they should be placed in layers at the bottom. And if upon his surface after thorough compression there should be spread a bituminous compound of coal tar or asphalt and varying sizes of crushed stone mixed in such proportions as to give the highest possible degree of density, applied while hot, and before cooling again cover this surface with a coating of bituminous cement and one-quarter inch stone chips thoroughly worked into this bituminous coating, a substantial, durable, smooth, waterproof and elastic structure can be produced at a reasonable cost, that will withstand not only the automobile but the average country traffic, be free from dust and afford easy traction, with a good foothold for horses. While more expensive than the ordinary macadam, such a road can be built at much less cost than asphalt, bitulithic, brick or any form of block pavement which is used in cities, and should be well within the reach of any community desiring to build a permanent and intelligent system of good roads. If only a few miles of this character of road was built each year, in a comparatively short time a good system of roads would be established and the desire created in every community to follow the same example. — From Good Roads Magazine.

An Object Lesson.

Representatives of a number of Mississippi counties recently visited the town of Brandon, the county seat of Rankin County, to inspect a mile of sand clay road which has been constructed there. Much satisfaction is expressed with the road, which was formerly spoken of as the worst road in the county.

Victor Emmanuel's Rare Coins.

King Victor Emmanuel, according to a French newspaper, is a numismatist of the first rank, and his Majesty possesses a collection which may be termed a museum. His cabinets contain 60,000 coins, some most rare and almost priceless. The King is a scientific collector and will shortly publish a treatise or numismatics. It will run into several volumes, and will be entitled "Corpus Numismatum Italicarum." The work will be a complete catalogue of medieval and modern money struck by Italy or by Italians in foreign lands. The printing of the first volume is almost complete. To insure correctness proof sheets have been submitted to the keepers of the coin departments in the principal museums of the world.—London Globe.

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HER WEIGHT INCREASED FROM 100 TO 140 POUNDS.

Wonderful Praise Accorded Peruna the Household Remedy

Mrs. Maria Goertz, Orienta, Oklahoma, writes: "My husband, children and myself have used your medicines, and we always keep them in the house in case of necessity. I was restored to health by this medicine, and Dr. Hartman's invaluable advice and books. People ask about me from different places, and are surprised that I can do all of my household work alone, and that I was cured by the doctor of chronic catarrh. My husband was cured of asthma, my daughter of earache and catarrh of the stomach, and my son of catarrh of the throat. When I was sick I weighed 100 pounds; now I weigh 140.

"I have regained my health again, and I cannot thank you enough for your advice. May God give you a long life and bless your work."

Peruna is sold by your local druggist. Buy a bottle today.

When change itself can give no more 'tis easy to be true.

Epidemic of Itch in Welsh Village.

In Dowlais, South Wales, about fifteen years ago, families were stricken wholesale by a disease known as the Itch. Believe me, it is the most terrible disease of its kind that I know of, as it itches all through your body and makes your life an inferno. Sleep is out of the question and you feel as if a million mosquitoes were attacking you at the same time. I knew a dozen families that were so affected.

The doctors did their best, but their remedies were of no avail whatever. Then the families tried a druggist who was noted far and wide for his remarkable cures. People came to him from all parts of the country for treatment, but his medicine made matters still worse; as a last resort they were advised by a friend to use the Cuticura Remedies. I am glad to tell you that after a few days' treatment with Cuticura Soap, Ointment and Resolvent, the effect was wonderful and the result was a perfect cure in all cases.

"I may add that my three brothers, three sisters, myself and all our families have been users of the Cuticura Remedies for fifteen years. Thomas Hugh, 1650 West Huron St., Chicago, Ill., June 29, 1909."

'Tis expectation makes a blessing dear.—Sir John Suckling.

Nothing More Dangerous

Than a neglected cough," is what Dr. J. F. Hammond, professor in the Eclectic Medical College says, "and as a preventative remedy and a curative agent, I cheerfully recommend Taylor's Cherukee Remedy of Sweet Gum and Mullein. Tested 50 years. Nothing better for whooping cough, croup or consumption. At druggists, 25c. and 50c.

For pity melts the mind to love.—Dryden.

Dr. Pierce's Pellets, small, sugar-coated, easy to take as candy, regulate and invigorate stomach, liver and bowels. Do not gripe.

Progress is the law of life: man is not man as yet.—Robert Browning.

To Cure a Cold in One Day Take Laxative Bromo Quinine Tablets. Druggists refund money if it fails to cure. E. W. Grove's signature is on each box. 25c.

Precaution is better than repentance.—Greek. Sc. 4-10.

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.

SKELETONS PLOWED UP.

Lexington, Special.—A large number of skeletons were found a few days ago near Colliertown, and great interest has been excited by the gruesome find. While John M. Knick was plowing in his field he uncovered a bone, and on investigation he unearthed at least ten skeletons. Later three other skeletons were found. It is the general belief that the bones are the skeletons of Indians and that their burying ground was at the place where the bones were found.

What is no sin is no shame.

TRIALS OF THE NEEDLEMS
THIS IS A BUN SHOW I CAN'T STAND IT ANY LONGER.
WHAT'S THE MATTER JOHN? YOU MUST BE SICK, THIS PAIN IS VERY PUNNY.
THERE IS HOPE!
THAT DAW-DAW PILL YOU GAVE ME LAST NIGHT MADE ME FEEL GREAT! TO LIVE THAT SHOW TO NIGHT LETS TAKE THE KIDS.
THERE IS HOPE!
THE PILL THAT WILL!
RESOLVED THAT A GOOD LAUGH AND A MUNTION'S DAW-PAW PILL, MAKE LIFE WORTH LIVING. 10 PILLS 10¢

Muntion's Paw Paw Pills coax the liver into activity by gentle methods. They do not scour, gripe or weaken. They are a tonic to the stomach, liver and nerves; invigorate instead of weaken. They enrich the blood and cause the stomach to get all the nourishment from food that is put into it. These pills contain no opiates; they are soothing, healing and stimulating. For sale at all druggists in 10c and 50c boxes. If you need medical advice, write Muntion's Doctors. They will advise to the best of their ability absolutely free of charge. MUNTION'S 253 and Jefferson Sts., Philadelphia, Pa.

Muntion's Cold Remedy cures a cold in one day. Price 50c. Muntion's Rheumatism Remedy relieves in a few hours and cures in a few days. Price 50c.

TERRIBLE ORDEAL.

A Virginia Woman's Sufferings With Kidney Disease.

Mrs. Virginia Spitzer, Buena Vista, Va., says: "For thirty years I suffered everything but death with my kidneys. I cannot describe my suffer-



ings from terrible bearing down pains, dizzy spells, headaches and periods of partial blindness. The urine was full of sediment. I was in the hospital three weeks. Doan's Kidney Pills were quick to bring relief and soon made me well and strong again."

Remember the name—Doan's. For sale by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

Men, my brothers, men the workers, ever reaping something new.—Tennyson. So. 4-10.

THE WONDERBERRY OR SUNBERRY.

Has Proved a Great Success—Thousands Say It's the Best Thing They Ever Grew.

The Wonderberry or Sunberry, the marvelous garden fruit originated by Luther Burbank, and introduced by John Lewis Childs, the well-known Seedsman, of Floral Park, N. Y., has proved a great success all over the country. Thousands of people say it is the best thing they ever grew.

Mr. John Burroughs, the well-known author, Naturalist and bosom friend of Theodore Roosevelt, says it is the most delicious pie berry he ever tasted, and a marvelous cropper.

A Director of the New York Agricultural Experiment Station says it fruits abundantly even in pure sand. In the short season of North-western Canada it is a godsend, and fruits long after frost has killed most garden truck.

D. S. Hall, Wichita, Kan., says thirty people grew it there last season with perfect satisfaction.

K. S. Enoch, Hammond, La., says it yields \$250 worth of fruit per acre with him. Mrs. J. H. Powers, 4732 Kenwood avenue, Chicago, raised enough berries on a space 4x10 feet to supply herself and friends.

J. P. Swallow, Kenton, Ohio, says its equal for all purposes does not exist.

Rev. H. B. Sheldon, Pacific Grove, Cal., says he likes the berries served in any and every way.

W. T. Davis, Enon, Va., says it is true to description in every way, and fruits in three months from seed.

Judge Morrow, of U. S. Circuit Court, says the Wonderberry is simply delicious raw or cooked.

Mr. Childs exhibited one plant five months old bearing 10,375 berries which measured about eight quarts.

Mrs. Hattie Vincent, Hayden, New Mexico, says it stands long, hard droughts of that climate and fruits abundantly all summer.

It is certainly the most satisfactory garden fruit and the greatest Novelty ever introduced.

The world knows nothing of its greatest men.—Sir Henry Taylor.

FOR COLDS and GRIP. HICK'S CAPSICUM is the best remedy—it relieves the aching and feverishness—cures the cold and restores normal conditions. Its liquid effects immediately. 10c., 50c. and 50c. at drug stores.

JOHN I. BROWN & SON, Boston, Mass.



The shooting, tearing pains of neuralgia are caused by excitement of the nerves. Sciatica is also a nerve pain.

Sloan's Liniment, a soothing external application, stops neuralgia pains at once, quiets the nerves, relieves that feeling of numbness which is often a warning of paralysis, and by its tonic effect on the nervous and muscular tissues, gives permanent as well as immediate relief.

One Application Relieved the Pain.

Mr. J. C. LEE, of 1100 Ninth St., S. E., Washington, D. C., writes: "I advised a lady who was a great sufferer from neuralgia to try Sloan's Liniment. After one application the pain left her and she has not been troubled with it since."

Sloan's Liniment

is the best remedy for Rheumatism, Stiff Joints and Sprains and all Pains.

At All Druggists. Price 25c., 50c. and \$1.00. Sloan's Treatise on the Horse sent Free. Address DR. EARL S. SLOAN, BOSTON, MASS.

In Winter Use Allen's Foot-Ease. The antiseptic powder. Your feet feel uncomfortable, nervous and often cold and damp. If you have sweating, sore feet or tight shoes, try Allen's Foot-Ease. Sold by all druggists and shoe stores, 25 cents. Sample sent free. Address Allen S. Olmsted, Le Roy, N. Y.

Earth's noblest thing, a woman perfected.—Lowell.

Don't neglect that cough that racks your system and may lead to something serious. Allen's Lung Balm will effectually check it.

'Tis always morn somewhere in the world.—Richard Hengist Horne.

Rheumatism Cured in a Day. Dr. Detchon's Relief for Rheumatism and Neuralgia radically cures in 1 to 3 days. Its action is remarkable. Removes the cause and disease quickly disappears. First dose greatly benefits. 75c. and \$1. All druggists.

We know truth, not only by the reason, but also by the heart.

Davis' Painkiller has no substitute. No other remedy is so effective for rheumatism, lumbago, stiffness, neuralgia or cold.

When one goose drinks, all drink.

MORE PINKHAM CURES

Added to the Long List due to This Famous Remedy.

Oronogo, Mo.—"I was simply a nervous wreck. I could not walk across the floor without my heart fluttering and I could not even receive a letter. Every month I had such a bearing down sensation, as if the lower parts would fall out. Lydia E. Pinkham's Vegetable Compound has done my nerves a great deal of good and has also relieved the bearing down. I recommended it to some friends and two of them have been greatly benefited by it."—Mrs. MAE MCKNIGHT, Oronogo, Mo.



Another Grateful Woman. St. Louis, Mo.—"I was bothered terribly with a female weakness and had backache, bearing down pains and pains in lower parts. I began taking Lydia E. Pinkham's Vegetable Compound regularly and used the Sanative Wash and now I have no more troubles that way."—Mrs. AL. HERZOG, 5722 Prescott Ave., St. Louis, Mo.

Because your case is a difficult one, doctors having done you no good, do not continue to suffer without giving Lydia E. Pinkham's Vegetable Compound a trial. It surely has cured many cases of female ills, such as inflammation, ulceration, displacements, fibroid tumors, irregularities, periodic pains, backache, that bearing-down feeling, indigestion, dizziness, and nervous prostration. It costs but a trifle to try it, and the result is worth millions to many suffering women.

BROWN'S BRONCHIAL TROCHES. An absolutely harmless remedy for Sore Throat, Hoarseness and Coughs. Give immediate relief in Bronchial and Lung Affections. Fifty years' reputation. Price, 25 cents, 50 cents and \$1.00 per box. Sample sent on request. JOHN I. BROWN & SON, Boston, Mass.

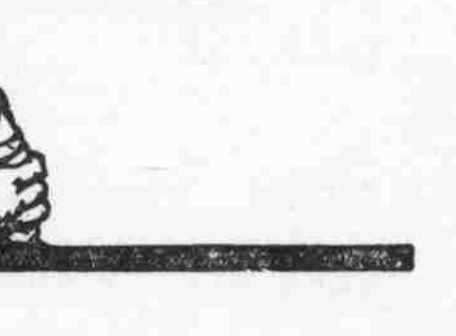
STOPPING NEURALGIA PAINS. The shooting, tearing pains of neuralgia are caused by excitement of the nerves. Sciatica is also a nerve pain. Sloan's Liniment, a soothing external application, stops neuralgia pains at once, quiets the nerves, relieves that feeling of numbness which is often a warning of paralysis, and by its tonic effect on the nervous and muscular tissues, gives permanent as well as immediate relief.

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