Large and increasing circula

ton in Alamance and adjoining

counties—a point for advertisers. VOL. XXV.

GRAHAM, N.C., THURSDAY, JULY 20, 1899.

NO. 24.

Judicious Advertising

Job Printing. All kinds Conunercial Pristing, Pamphlets, Posters, &c., neatly and promptly executed at lowest prices.

TRICKY PRICES.

Some people imagine a price will sell a shoe—they don't worry about the shoe; just so the price is low enough. A fancy name shouldn't influence youbuy your shoes on merit, look deeper than the sur-face. You want shoes that will wear, take the brunt of everyday service and that will give you more than the worth of your money.

before. Heavy Shoes, Good Shoes, Shoes that will wear. If you need a heavy pair of shoes, or a light pair of shoes, everyday or Sunday shoes, we can furnish you. Oxfords as low as the lowest.

Big Shoe Store,

Burlington, N. C.

THE BROOD FRAME.

n some cleats, as indicated in Fig. 1.

at right angles. For the bottom rail you

For the brace pieces you will need

nother box about an incheand a quar-

ter. Nail in bottom of this a stop sawed

at an angle of 45 degrees, and from a

corner of this saw a gash of 45 degrees.

Now, if you take a piece an inch and a

quarter wide and three-eighths of an

nch thick, saw it off at an angle of 45

degrees, shove it into the box to the

stop, and saw it off; then turn it over,

saw again, and so on, you will get the

As to construction, you lay the top

piece in its place on the board, and the

FIG. L

F16.2

PLANS FOR BROOD FRANK.

and you have a strong frame, as indi

cated in Fig. 2, that will space itself

in the hive and stay there. One frame will need braces on both sides to keep

it the proper distance from the side of

the hive.

As regards size authorities differ. I made mine 16 inches long because that was the length of four honey boxes, and 9 inches deep, because that was the depth of the hive.

Crab Grass Hay.

Crab grass hay is distinctively a southern forage plant. It is an annual, growing vigorously in the wet period of midsommer and seeding abundantly.

In several cases among our agricul-tural experts of 1808 there were gains

DAVIS & DAVIS, Propr's,

brood frame:

A. L. DAVIS, Manager.

PROFESSIONAL CARDS. → JACOB A. LONG, ↔

Attorney-at-Law, GRAHAM, --- N. C within the scope of those persons pos-

IOHN GRAY BYRUM. W. P. BYRUM, JR. BYNUM & BYNUM. Attorneys and Counselors at Lar GREENSBORO, N. C.

DR. J. R. STOCKARD Dentist,

GRAHAM, N. C.



MCELREE'S

Of Interest to Inventors.

C. A. Snow & Co., one of the of midsommer and seeding abundantly. obleat and most successful firms of patent lawyers, whose offices are opposite the United States Patent Office in Washington, D. C., and who have procured patents for more than 17,000 inventors, any that, owing to the improved conditions in the United States Patent office, patents may now be more promptly promay now be more promptly procured than at any previous time in their experience of twenty-five

ra Ray Castillo, who is a centh time in fifteen years. Her first husband died from a fall from a carriage, the second took on by accident, the third was a delined by \$448,706.

Of cottonseed oil we shipped to foreign countries 13,081,902 gallons more the shot bimself, the fifth was a white bunding, the sixth met withed while hunting, the aixth met ping from a scafout) and the

It is amponized that Alger has sent in his resignation as war score tary, to take effect several months hence, and this report is desired, see J. C. Simmons, the druggist.

THE TENT CATERPILLAR. Bestroyed in its Several Stages of Existence.

The orchardist who suffers severely from the apple tree tent caterpillar must be co demned as careless. The caterpillars may be quite readily located and destroyed while in the eggs; the tents are conspicuous and quickly burn-



EGG MASSES OF TENT CATERPILLAR. ed : the young caterpillars yield speedi-

ly to arsenicals and the white cocoons plainly show themselves for destruc-tion. The caterpillars in a nest of or-dinary size will consume 2,500 apple leaves in a week, and, as they feed for five or six weeks, those from two or three nests may almost completely strip a tree of its foliage and greatly lowerne That Can Be Built by a Novice its vitality. They seem to prefer the taste of wild cherry, and this tree was Having been working the past win probably their original food plant. All ter to design a hive that would come such trees should be carefully watched. as they are liable to be starting points for the invasion of nearby erchards. sessed of ordinary skill and tools, a Next to the wild cherry the caterpillars writer in The Country Gentleman gives seek the apple, but they also do condescription of that part which will siderable damage upon cherry. plum cause a novice most trouble—viz, the and peach.

From late July until the following Take a board of suitable size and nail spring the insects will be found in the egg. These eggs are laid in peculiar Make a miter box the width of the rings or bands-"thimbles" or "caterframe, say, seven-eighths or one inch.' Nail a piece in the bottom of one end pillar belts." some call them-about the smaller twigs. They are covered with for a stop. From this stop measure off the length of the top rail, and saw down a thick layer of glae, which makes a glistening protection from the weather. These bands are large chongle to be can set in a loose piece about an inch plainly seen and can be easily removed and borned when pruning the trees. The little caterpillars form in the eggs thick, which will avoid two saw gashes coming too close together.

For the end posts make another gash at the right distance from the stop. in the summer, but do not hatch until the middle or last of the following April. They soon begin the construction of the well known nests. These are usually placed in some crotch of twigs near the abandoned egg band and are formed by the threads of silk which the caterpillars spin. As the larvæ grow and the nest becomes too small another sheet of threads is spun, so that the tent is really a succession of nests, one outside the other. These white or yellowish masses of silk are easily destroyed by burning on the tree or by cutting off the twig and crushing the nest.

ride pieces in their places and nail on just before a storm, when the caterpillars have sought shelter. the corner pieces; then nail the top to The caterpillars feed until late in ends and turn over and nail on bottom. May. Their body color is black, but a prominent white stripe extends the full

length of the back. There are also numerous shorter in regular white lines and a row of oval the entire body is thinly covered with long yellowish hairs. The caterpillars, ially when young, can easily be especially when young, can easily be killed by two or three sprayings with some arsenical poison. Birds feeding upon these caterpillars are yellow billed and black billed cuckoos, the black capped chickadee, Baltimore oriole, red eyed and warbling viceos, wren, chipping sparrow, yellow warbler and crow.

This should be done in the evening or

The larve crawl down the trunks of the trees in late Mny, when they are mature, and are nearly two inches long. They spin their cocoons on the trunks of trees, where they are protected by the rough bark; in the grass under the trees, about fences, caves, window casings and the sides of ontbuildings. When in such masses as shown in the igure, there is no excuse for not discovering and destroying the cocoons From these cocoons the reddish brown moths emerge in late June and early July and soon lay the eggs which com-



COCOONS OF TENT CATERPILLAR. plete the life cycle. These moths are quite large and are easily distinguishable from all but a few closely related species by the two oblique, nearly parallel, bands of white crossing the wings.

The foregoing points are reproduced from an outline, with illustrations, of the life story of the tent caterpillar given by the Geneva (N. Y.) station in bulletin 162, which concludes with these recummendations: Protect and encourage birds. A stroy egg bands and cocoons and reward children for collect in quantity accompanied by a falling off in value. A notable example of this was furnished by cotton, the most important item in our agricultural export trade. Our shipments of cotton increased by 746,509,846 pounds; but, owing to ng them, burn out or crush the nests while the caterpillars are in them, spray the trees with paris green, london pur-ple, green arsenite or arsenite of lime, and last, but not least, see that wild a drop of 1.4 cents in the average ex-port price, the vaine of the shipments declined by \$448,706. cherry trees, crab apple trees and neg-lected apple trees along roadsides are kept free from the pests or cut down.

It appears from the experience of one New Jersey tomato grower, reported by Director Voorhees, that from every dol-ler's worth of nitrate of sods applied to Green Base in the South.

The growth and feeding of rape is a new departure in the south, concerning which Professor Emery of the North Carolina station remarks: It will pay to sow in drills, thin the plants and cultivate while it is small. In the north this crop is sown broadcast after grain harvest for fall grasing. In our dryer, botter climate, two or three careful cultivations of drills will give better and more abundant food than to allow the plants to atraggle with heat and weeds in broadcast seeding, unless the sowing is done in connection with cowpea vines for a partial shade during the early life of the rape. int's worth of nitrate of sods applied to the land there was a return of \$53.50, from sulphate of ammonia a return of \$44.96 for every dollar expended and from dried blood a return of \$22.55 for every dollar expended. Similar results were obtained in the case of muskuleions, bees, forage crops and potatoes, showing the superiority of nitrate of

GOOD ROADS CRUSADE. Progress of a Movement to Secure Improved Highways.

Miss Rella C. Harber of Missouri,

secretary of the State and Interstate Good Roads and Public Improvement association, who has recently been working in Illinois arranging for district good roads conventions and a state convention at Springfield in the fall. has met with encouraging success.

The association represented by Miss Harber embraces 22 states, and is the outgrowth of a state convention in Missouri in 1897 at which 700 delegates were present. A committee of seven, consisting of Miss Harber and six men, was appointed to organize county associations. At the end of a year, when an interstate convention, attended by 2,500 delegates, was beld in St. Louis, 72 counties had been organized, and as Miss Harber had organized 66 she was unanimonsly named as secretary and organizer. Miss Harber thus explains the plan of work:

"We intend to have all these conventions come off in rapid succession in August and September and to conclude with a state convention in Springfield, to which delegates will be elected by the district conventions. I have been very successful so far in enlisting the co-operation of commercial bodies in the different towns, and they seem really interested in the work as soot as they understand it. "I have had some trouble, however,

in explaining that our association is working not for hard roads, but for good roads. Farmers easily become frightened at the hard roads proposition, for they think of macadam and know that that would mean increased taxation. All we want is to make good soft roads that in years to come will furnish foundations for good hard roads, and we regard our work as educational. We expect that at each of the district conventions and at the state convention manufacturers and machines for making roads will build sample roads in order that the farmers may see how a road should be built that it may be of some value to the community; to show them how a road may be built so that the water will drain off; how culverts should be constructed and arranged in order properly to fulfill their mission, and how really cheap it is to make good roads.

"We do not intend to increase taxation one bit, for we know that the \$4,-000,000 annually expended by Illinois is sufficient to build good roads everywhere. But we want the farmers to let the state do the work and not work out their poll tax by pretending to build good roads. Not that they do not mean to do the best they know how, but they have not the facilities for the work and annot do it as it should be done. Our idea is to make a good road at less money than It now costs. We want, if possible, to see the poll tax reduced to 11, but want the farmer to pay that lollar into the treasury instead of working it out, as is now the case, and we expect to show him how it will be to his advantage to do it.

SHELL CONCRETE.

Smooth and Ducable Pavement. The new paving material recently discovered near Macon promises to anperseds crushed stone for paving purposes in Georgia. The Macon authorities have several streets paved with the concrete and are enthusiastic over its merits. The material costs little more than chert, is much more durable and makes a street as smooth as asphalt. It can be used with perfect satisfaction on any grade, and several streets in Macon that have been paved with this material for two years look as if the paving had just been laid. The total amount of repairs on these streets during this period has amounted to \$7. which was for rolling the streets without using additional material.

The material is mined about 81 miles from Macon by the Grady company. It is nothing more or less than decayed shells. It is taken out of a huge bank which represents shell deposits for of years. The supply is inexhaustible, being mined in the shape of rock, crushed in a large mill and rolled on the streets by buge rollers. After it is laid it knits together and is almost as hard as rock. It would probably not stand the wear and tear of the pelgian block, or brick, but street paying experts who bave examined it pronounce it the best paving material ex-



HEADACHE

is only a symptom—not a disease. So are Backache, Nervousness, Disziness and the Nervousness, Disziness and the Blues. They all come from an unhealthy state of the menstrual organs. If you suffer from any of these symptoms—if you feel tired and languid in the morning and wish you could lie in bed another hour or two —if there is a bad taste in the mouth, and no appetite—if there is pain in the side, back or abdomen—BRADFIELD'S FEMALE REGULATOR will bring about a sure cure. The doctor may call your trouble so me high-sounding Latin name, but never mind the name. The trouble is in the monstrual organs, and Bradfield's Female Regulator will restore you to tion the Br is bootle. A free if

Makes the food more delicious and wholesome

ROYAL BAIGHS POWDER CO., NEW YORK.

GOOD ROADS LOGIC.

IMPROVED HIGHWAYS CHEAPEN TRANSPORTATION.

ncrease Property Values and Make Farm Products More Profitable. Cost of Repairs Lessened, and Antmal Power Economized.

Many persons who see mentions of the "good roads movement" do not realize that in this there may be one of the great national issues of our politics at some time in the future, poswithin a comparatively short time. This movement was started by organization, the League of American Wheelmen, and hundreds of thousands of dollars have been spent by it in the

The principle of the movement, as advocated by the wheelmen, is that the common roads of the country are as mportant as the railway systems, the tatement being made by them and being easily understood that there is not an ounce of any commodity hauled over the railroads that is not first transported by wagons over country roads or city streets. It does not matter if the commodity is manufactured articles that are loaded on cars at the factorythe raw material has first to be hauled to the factory. But the greatest hauling is done in the farming districts. and there it is that good highways are

The subject has not been given the ittention and support it deserves as yet, for the simple reason that private apital cannot become interested in the building of common roads, since there would be no income from the investnent such as there is in railways. Municipal, county, state and the na tional governments have not had the issue brought directly before them in its full significance, because it is neces-



ROUGH WHEELING.

sary to first educate the people to the what is being done by the-wheelmen at the present time, and it must be said to their credit that they have enlisted the sympathy and support of all the prominent farmers' organizations in the movement. With the two classes working together it is only a question of time until the movement will be made a political issue, and then will

come the desired improvements.

The argument offered in favor of the improved roads is that they lessen the cost of repairs, make it possible to haul the largest amount of goods with the smallest animal power, save time and increase property valuations. No railroad company would expect to do business if its tracks and roadbeds were in such condition as to make it either impossible to use the tracks at long seasons of the year or in using them have to lose a great deal of time and have immense repairs to make, and yet that is what the farmers and others using the common roads are doing in

way every day in the year. They make the most impracticable attempts at road building and repairing and then wonder why there profit in their products, which have been hauled over bad roads at the greatest expense. It has been estimated that in the states where the stone roads have been built the cost of transportation bas been decreased to 20 per cent of the former figures, and that the roads pay for themselves within a few years. It has been further shown that the amount lost in the different ways mentioned will more than pay for the building and repairs of these ronds on the annual assessments made for them, or that it costs no more each year to have good roads than it does to have

LOSS BY BAD ROADS.

Part Pails on the Parmer and the Concumer Pays the Balance. The actual extra cost of moving prod-ucts is not the only loss by had roads by any means. Farmers lose by not be-ing able to get to market when the market is good, by the waste of prod-nots that cannot be marketed at all on account of bad roads, by not being en-couraged to cultivate things that require a speedy market, and in a great many other ways The actual money loss to the farmers of the United State by the bad roads of the country is not less than one-fourth of the total home value of all their products. The total home value of the annual produc the United States farms is about \$2,-500,000,000 and the loss by bad roads is about \$600,000,000, so that the farmers lose, or they would lose if they could stand all that loss themselves. one-fourth the vaine of all their prod note by the extra cost of getting them

They do not pretend to be able to stand all that loss themselves. They stagger under it as well as they can and bear all they can of it and the rest they saddle upon the consumer and the dealer. That is one reason why the peo-ple of the cities and towns are begin-ning to understand that they are inter-ested in good roads.

A Stitch In Time The man who boasted of taking s bath regularly once a year, whether he needed it or not, was a brother to the wise men who repair their roads on the same principle. The time to repair a road is when it needs it BAD MANAGEMENT.

fome Common Reasons Why Some Eggs Will Not Hatch. Some of the poultry people are show-ing bad management that will yield a crop of disappointments later on. People buy eggs every year that don't hatch well. I shall give some of the most common reasons and try to show where bad management comes in. If hens are allowed to become fat, a large per cent of the eggs will not be fertile. Feeding three times a day of fat pro ducing foods or falling to provide plenty of exercise in the way of straw or leaves for scratching is bad manage-

ment. Running an egg ranch for market is a different thing, for in case the eggs are not fertile so much the better. The high pressure methods so much in vogue are very largely responsible for the poor Latches so often obtained.

Another frequent cause of poor hatches is allowing too many hens to one cockerel. Rather than use over ten I would use only eight. I mate ten hens to one cockerel in Plymouth Rocks and 12 hens to one cockerel in Leghorns with excellent results by giving the cockerel extra feed. I pick him up and allow him to eat from the bucket of feed while I am gathering and marking the eggs from different yards, he afterward enting with the hens when I feed them.

If the cockerel is neglected and allowed to become reduced in vitality, a large per cent of the chicks will not be able to get out of the shell, and many others after they get out will not livejust die from lack of vital energy. These are the ones that stand around and peep and sleep till they die. The terrible doctrine of heredity is emonstrated in the feathered tribe as

well as in the human family. Another prolific cause of bad hatches is using immature pullets in the breeding pen. Many an ambitions breeder, In order to increase his business over last year and fill all orders, makes the mistake of selling his early pullets and using some in his own yards that are too young. We don't like to return checks and drafts, but we do it every year. Before ever there is a sale made the birds for our own yards are select ed, and we wouldn't ship out any of them for love or money, for what we need ourselves we cannot afford to sell.-Poultry Topics.

The Business End. If any breeder has been able to build up a family of grades or pure bloods which have given each 15 dozen eggs the past year, there is no question but be can sell all his eggs for hatching at fair price. The day is not far distant when the poultry breeder will base merit on yearly production per head, and it will bring returns. When the day comes and a breeder can guarantee that every ben kept has produced 180 eggs in 365 days and that the male used for breeding was from equally as good laying stock, the eggs will sell be the bens red, white or blue. That this production is to come from the pure ored families only demonstrates fact that breeders are alive to the util ity side of the question. It is possible to combine fine feathers and fine birds but the point we would make is that the fancy markings so necessary for the preservation of the breed will be placed second to production, just as I is today with the producing berds of cattle. This suggests the great importance of keeping a careful record of he eggs produced, of measuring accu rately the output of every hen. This is good business for the business ben man.-Maine Farmer.

How to Kill Poultry. It is difficult to express in words how to properly kill a fowl by sticking it in the roof of the mouth, which is required for dressed poultry, hence the illus tration is intended to show where the



point of the knife should enter, says and he started at the bridge to dump Poultry Keeper Illustrator. In the illustration A is the artery that must be cut. Open the bill, and, by observing started where his predecessor had left closely, the artery can be seen. It runs across the back of the throat a little under the ear. Insert the point of a sharp knife in the mouth and make a clean cut across this artery so as to sever it at the point indicated by weather was bad. as to sever it at the point indicated by the X in the illustration. We are in-debted to Mr. Verne Clisby, Ohio, for

The large Russian sunflowers can be nade useful as well as ornamental by made upeful as well as ornamental by planting them in chicken yards. There are many yards where a little more shade would be appreciated by the hens at the time the plants would be at their best if atarted early in pots or boxes and transplanted in the yard in clumps of three or four and protected when small by a piece of wire netting. The bens will do the fertilizing and cultivating, and do it well too. After the seeds have ripened in the full and the plants are no longer acceded for shade cut down now and then one and pee how the fowls will enjoy the specia. They are one of the best foods for laying bens—Cor. American Gardening.

ROR HIGH PRICES.

Sold over 5,000,000 pounds last year for an average of \$7.57 per 100

Greensboro Tobacco Market

This is the highest average made by any market in piedmont North Over \$1,260.00 paid out daily to farmers for tobacco during the past

It is the best market in the State for the farmer.

Our Warehouses are large, commodious and up-to date, whose propri-Every large firm in the United States and a number of foreign firms are

epresented by our buyers.

Tobacco centre, manufacturing centre, trade centre, railread centre ducational centre.

Our own manufacturers have a large capacity and are increasing their rade daily and must have tobacco. We have the strongest corps of buyers in the world for the warehouse

We want more tobacco and must have it if high averages will bring it.
Try us with your next load and be convinced of our merit.

Greensboro Tobacco Association.

INSURANCE!

1 wish to call the attention of insurers in Alamance county to the fact that the Burlington Insurance Agency, established in 1893 by the late firm of Tate & Albright, is still in the ring.

There is no insurance agency in North Carolina with better facilities for placing large lines of insurance, that can give lower rates or better indemnity. Only first-class companies, in every branch of the business, find a lodgement in my office. With a practical experience of more than ten years, I feel warranted in soliciting a share of the local patronage. I guarantee full satisfaction in every instance. Correspondence solicited upon all matters pertaining to insurance.

I am making a specialty of Life Insurance and will make it to the interest of all who desire protection for their families or their estates, or who wish to make absolutely safe and profitable investment, to confer with me before giving their applications to other agents.

Very respectfully. JAMES P. ALBRIGHT. BURLINGTON, N. C.

News and Notes It is said that the United States will have 40,000 square feet of floor space for its agricultural exhibit at the Paris exposition, properly grouped under four general divisions, animal products, vegetable food products, vegetable prodnote not foods, illustrations of the sci ence and practice of agriculture.

Clover, oats and barley have been successfully grown in the Klondike. Under favorable conditions two or three cuttings may be made in a single season from a field of rape grown as a primary crop.

A German agricultural journal states that a plantation of "flat peas" affords excellent "standing mast" for pigs, and its flowers are much frequented by bees, the honey from this source being excep tionally fine.

Some experiments of the New Hampshire station indicate that formalin treatment of seed potatoes is an effective remedy for scab. Formaline pos-sesses the advantage over corrosive sub-limate of being less poleonous and more ensily applied.

NOVEL ROAD SCHEME.

How a Gravel Road Was Built a Small Cost to Builders.

Farmers who travel over a certain stretch of road in Illinois have dis ered that there is more than one way to get good roads without putting inexperienced men to work with poor material. The expedient employed near Henry, Illa, is interesting. There is a toll bridge over the Illinois river at that point, and the road runs along th for a distance of three or miles. Gravel roads were wanted badly It cost the farmer 25 cents for every load of grain or cereal of any kind that was hauled over the bridge to the market. A proposition was made that the som would be returned to the farmer

if he brought back a load of gravel on his return house and scattered it along the highway. It was promptly agreed to. The result was that every farmer loaded a big grain wagon with gravel point of the knife should enter, says and he started at the bridge to dnmp

To prevent contagion we should is inte every sick bird as soon as discov-ed. All new birds should be subject to at least ten days' quarantine being permitted to run with and if suspected of being disea not be allowed to be with o until you are positive that dis not present. Sick birds that have reco-ered should not be returned to the fix until it is absolutely certain that the are cured. Never go direct from he dling sick fowls to the quarters of t well once. Do not allow from neighbour



Wheeler & Wilson Sewing Machine Rotary Motion and Ball Bearings. Easy Running, Quiet, Rapid,

and Durable. Purchasers says It runs as light as a feather. Great improvement over anythin, so far," It turns drudgery into a pastime." The magic Silent Sewer."

All sizes and styles of sewing mathines for Cloth and Leather. The best machine on earth ee it before you buy.
ONEIDA STORE CO.

J. M. HAVES, Agent STYLISH, RELIABLE

NONE BETTER AT ANY PRICE THE McCALL COMPANY, 138 to 146 W. 14th Street, Sen Ye

TARREST AND THE WAY