### INCUBATORS AND BROOD-ERS FOR PROFITABLE CHICKEN RAISING.

Clemeon College, S. C.—Recent ly many letters have been re ceived by the Poultry Division asking for information relative to the use of incubators and brooders in hatching and rearing chickens. The high cost of poultry foods and the great demand for fresh eggs and frys have convinced poultry raisers that it will pay to use a dependable system to obtain chicks this year.

The old sitting hen will not work when we want her to. She and her friends refuse to go broody in January and February, but they fill every available nest as soon as the weather turns warm and the time of hatching the best chickens is over.

"My hens would not sit early and I could not buy any early sitters," is heard every summer and fall by own ers of little chickens.

Any one who likes poultry can op erate an incubator successfully. It is necessary to turn the eggs morning and night and all the lamp once a day It is not necessary to examine a good machine more often than two or three times daily, when the above work can

Every incubator is equipped with a thermostat to regulate the tempera

The more popular types of kerosene lamp incubators are heated by hot air although there are some good styles heated by the circulation of hot water The main advantage of the hot air ma chine is that of durability.

The past year has found the electric incubator springing rapidly to the front. This machine can now be ob tained for use on any voltage. It is also made to be used with one of the home lighting systems found on many South Carolina farms. The cost of operating an electric incubator is ne greater than that of a lamp machine The temperature can be maintained at a uniform degree and the machine can be placed in any room of the house.

It is usually found that a profitable size incubator to buy is one with a capacity of about 240 eggs. The size containing from 120 to 150 eggs is also popular with poultrymen who do not desire to raise more than 200 or 304 chickens a year. However, a large in cubator when only one-half filled wil give as good hatching results as a smaller machine, so that a big ma chine gives you an opportunity to hatch eggs for others or hatch suffi cient chicks to sell the surplus to your neighbors. The best size for an electric machine is about 150 eggs. Just now these machines are rather high in price owing to little competition but it is hoped that within a short time the price of the electric will be about the same as the lamp-heated incubator

The better types of incubators are built with double walls with one incl or more of insulating material between the walls. This prevents the tempera ture of the egg chamber being affect ed vitally by changes in the outside temperature of the room. The cheap er incubators have simply a single wall or a double wall with a piece or pasteboard between. It does not pay to buy the cheaper incubators made is this way.

Some machines have a separate compartment below the eggs into which the chicks drop as soon as they mre hatched. This is a convenience but it is of no special advantage.

The average number of chicks batched from the eggs placed to as cubator is about one-half. When der one or more portable brooders, al lowing 50 chicks to each broader. Mos tiers. of the manufacturers rate the capacity of their brooders at about twice a many chicks as they will satisfactoring

These portable broaders are about two feet in diameter and stand or three cast iron legs. The kerosem tame is under one side and a wooles curtain surrounds the lower part o the brooder. The baby chicks pust under this wooden curtain and the heat of the lamp keeps the inside o the brooder at the required tempers ture of ninety to ninety-five degrees It is a simple matter to raise in cold weather almost all the chicken in a brocder of this kind when it i placed in a bright room. Later on it the season when the days begin to ge warm, the portable hover is preferably put in a small wire front house.

An incubator and one or more brood ers will enable any one to hatel chicks when he wants them. Febru ary and March are the two best hatch ing months of the spring season. Pul lets hatched these months will com mence to lay in the early fall and continue to lay during the winter. It is easy to keep a pullet laying during the cold weather but it is d frigult to star a young pullet to laying until afte the colder weather is past. Then th old hens which have completed the molt begin laying. This is why it i best to hatch pullets early and hav them laying when the price of eggs i

so high in the fall. Extension Bulletin 16, "Poultry Cu ture for South Carolina." which i mailed free to any one by the Exter sion Service of Clemson College, con tains full directions for operating in cubators and brooders. The Poultr Division will be glad to tell any on where the best makes of incubator and brooders can be obtained.

### LAND SETTLEMENTS IN UULIUKS ABANDUN SOUTH CAROLINA.

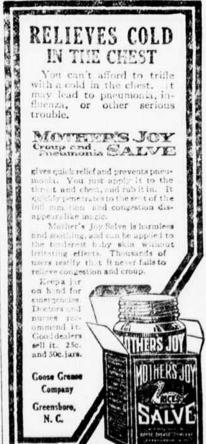
Clemson College.—Secretary House ton, of the Department of Agri culture, said in an address recently delivered to a conference of editors o agricultural journals: "It would be desirable to facilitate land settlement in more systematic fashion. This has been too long left to the haphazare intervention of private enterprise, and the Nation has suffered not a little from lrresponsible private direction I think it is high, time for the Federa and State governments both as wel as local communities, to seek to aid facts, reliable information, and agri cultural guidance to begining farmers and to promote well-considered settle ment plans. It is particularly vita that the process of acquiring owner ship of farmers be encouraged and

terior. Secretary Lane has associat ed with him, some of the best engi neers who have been connected with reclamation work of various kinds The semi-arid lands of the West, the cut-over and swamp lands of the South are being visited, that proper measures may be taken as soon as possible to render them fit for the

when industry may be disorganized by physician. the cancellation of Government con tracts for its products, and by the demobilization of large bodies both or working men and soldiers, the land beckons to the man more insistantly than ever before. It will certainly be made easier for the man who wishes to own a farm to get it on reasonable terms. And these measures curvery best security against the discon ment and a lack of food. The idle acres can give healthful and profitable em ployment to all who can be placed upon them; but home ownership must be the goal, and fair annual profits above a normal standard of living must be the means advanced to se these settlers. Almost every man can find congental employment at his home, if he owns it, or is be coming the owner of it. A few acres will suffice to provide food supplies it large part, for the family, and a sur plus for market. Organized methods of disposing of the surplus in any community will go far towards pro viding funds for the other necessaries

In South Carolina, there are about of roads, towns and cities, and worn out and swamp wood land. But of the 13,500,000 acres in farms, crops are grown on less than helf. To be exact the crops of 1917 were grown on 6,198, crops and for pastures, but let 2,000,000 acres in the State fit for farming. As 35 acres is the size of communities, as Secretary Houston sor of Rural Sociology. suggests, should aid beginning farm

Federal and State aid in the settle nething can be done anywhere unless the people who already own the lend from Great British and America; but you buy an incubator it is well to or are willing to sell it at .commable



## HEADACHE TABLETS THAT DEPRESS HEART

Adopt Aspitone, the New Tablet in Which All Heart Depressacted by Heart Toning Agents

Physicians and druggists who in land settlement by furnishing actua have kept up with recent discoveries in medical science are now intro ducing to their patients and customers the new pain relieving tablet called Aspitone, which does not depress the heart and circulation. They explain that headaches and neural-These views are also shared by the gias as well as colds and grippe are Department of Labor and of the In usually attended by a fatigued heart and circulation and that it is dangerous at such times to use coal tar derivatives. In fact they are claiming that all the coal tar derivatives are positively dangerous, even to strong hearts. They say that many sudden deaths have resulted from taking them and that there is no plow, and open them for settlement longer any excuse for taking them In these days of reconstruction except under the watchful care of a

It is explained that Aspitone is ot a coal tar derivative, but is composed of vegetable elements, which relieve the pain of headaches, neuralgia, toothache, rheumatism olds, grippe, etc., at the same time supporting the heart. It is predicted that Aspitone will take the a far worse evil. They provide the place of the coal tar derivatives. The product is new to this State, but tent likely to arise from unemploy may now be had at the Standard Drug Co. and at all leading drug stores in all communities, -Adv.

use of poor agricultural methods.

It is still comparatively cheap, and of the State, an attractive investment placid lake, But there ought to be in every community, a committee of the Chamber of Commerce, or of the Farmers assist them in buying their farms and of allied victory than this: to make them feel at home among us

State or Federal movement. We can ican colonel of infantry below Chateaubegin now by assisting those who have Thierry. 19,500,000 acres. Two-thirds, or about been tenants, and wish to become 13,500,000 acres are in farms. One owners, to find good farms in our third of the State lies absolutely idle own neighborhood at reasonable for agricultural purposes; it consists prices. Certainly we can help these men to join a National Farm Loan Association, and so obtain half the purchase price of their farms at the most favorable rates. To have e share in multiplyig the prosperope 000 acres. Probably at least as much contented farm owners of any commore can be used for growing munity is to render a very large serv ice to the State and Nation, for upon say there yet remain only them our civilization ultimately rests.

That large service every one of us may perform in some measure. A few the average form cultivated, there is of us will make some financial profit, room then for nearly 60,000 more farm by the settlement of our idle lands; families. What a vast amount of land but all of us will be increasingly ensettlement could be done in South riched by the fuller, healthier country Carolina; what untold wealth could be life consequent upon their settlement added to the property liets, if the local by farm-owners.- W. H. Mills. Profes-

Making Tin Plate in Australia. The supplies of tin plate for Australprices, and so welcome the new set difficulties have led to a serious shortage in deliveries. A leading Australian We have perhaps the best all the producer of steel has accordingly arrear climate in the whole country, as ranged to establish tin-plate works is shown by the location of so many which will eventually supply the whole army camps in the South. We cer of the antipodal demand. Plenty of tainly have vacant land in great about tin is available in Australia as well deace. It is cheap only because of the as the necessary steel. The company sparsity of our population, and their in question, in addition to supplying steel for Australia, has sent considerable quantities of munitions steel to Great Britain and has also opened up trade with South Africa by supplying 20,000,000 tons of steel rails.-Scientific American.

Why Turks Are Confident.

Amid the many menacing perils that threaten his thorny throne the new sultan of Turkey can find consolation for all Moslem disasters by con emplating the "Shining Stone" in the mosque of St. Sophia. This is a slab of translucent marble, brought from Persia, which has been fixed to the western side of the gallery. It emits rays of dazzling brilliancy during periods of Turkish prosperity or of religious triumphs for Islam, but becomes black and opaque, however cloudless the skies, whenever some calamity is about to befall the Ottoman empire or the faith. It has not hitherto been darkened during the present war, though the sultan's armies have so frequently been defeated and the power of Islam seemed to suffer eclipse. Thus the mystic stone, ever shining, proves to believing Moslems that, however fate may frown, the real victory remains with them.

Also Saves Money.

Scott-How is it you never go away during your summer vacation?

Mott-I don't need to. Most of the bores leave town and in their absence I have a nice, restful time,—Boston

Found in the Solitude of the

ture! After a day of feverish struggle to make the discords of human endeavor harmonize with the soul's aspirations for tranquillity and peace go into a bit of natural woods bordering a calm, shadow-tinted lake and in the twilight silence listen to the innumering Qualities Are Counter- able whisperings of the leaves. Stretch your weary body on the green sward and with an ear to the earth note the quick bursting of the roots of those tiny blades through the compressed ground. Catch the quick changes in light and shadow of the breeze-stirred branches overhead. High over the water a swallow darts and sails, emblem of faith, against a tender sky. The waters lap the shore with accents of pure joy. Cool, soft winds steal through your hair and caress your cheek like the fingers of dear companions gone before.

In such sweet solitude all cares and worries fall into forgetfulness and their places are filled with gentle thoughts and fond remembrances. The harsh sounds of the busy day no longer assail the ear with their disturbing sequence. Nature is the only actor in this lovely scene and all her movements are full of gentle grace, all her sounds accord, one with the other, making a pleasant chorus, a "concord of sweet sounds," that win your whole being to their melodious flow.

calm trees, the playful grasses. Someare translated with all the hitherto distracted earth into a land of pure delook and beam again.

The glory of that dreamed-of heaven of prevailing prices, is in many parts lies in that little lonely nook beside the

Shows Spirit of Allies.

Among the cheering anecdotes Eliz-Union, or of self-appointed citizens, or abeth Shepley Sergeant reports in an at the least, one or two men, whose article on the French-American offenbusiness it is to find new settlers, to sive, none raise more sanguine hopes

Somewhat over a month ago a It is not necessary to wait upon French general encountered an Amer-

"How long have your men been on

## Health About Gone

Many thousands of women suffering from womanly trouble, have been benefited by the use of Cardui, the woman's tonic, according to letters we receive, similar to this one from Mrs. Z. V. Spell, of Hayne, N. C. "I could not stand on my feet, and just suffered terribly," she says. "As my suffering was so great, and he had tried other remedies, Dr. had us get Cardui. I began improving, and it cured me. I know, and my doctor knows, what Cardul did for me, for my nerves and health were about gone."

TAKE

The Woman's Tonic

She writes further: "? am in splendid health . can do my work. I feel I owe it to Cardui, for I was in dreadful condition." If you are nervous, rundown and weak, or suffer from headache, backache, etc., every month, try Cardui. Thousands of women praise this medicine for the good it has done them, and many physicians who have used Cardui successfully with their women patients, for years, endorse this medicine. Think what it means to be in splendid health, like Mrs. Spell. Give Cardui a trial.

All Druggists

SOLACE THAT NEVER FAILS

Best Antidote for Cares and Worrles Wilderness.

What medicine in the quietude of na-

Here you become one with the expanding sky, the reflecting water, the thing liberal takes possession of your heart and brain and soul and a great kindliness grows within. Humanity is softly transmuted into an essence of brotherhood. No longer is your sight material, your senses go. The eve of the mind beholds a universe of quiet cheer, peopled with lovers of truth. Nature has wrought a miracle. You light where no fault lies and all eves look unclouded into other eyes that

That a proper field crop rotation

vegetables can save wheat if you us them in bread or instead of bread?

Notice to Debtors and Creditors. All persons having claims against Lv. Bascomville. . . . . 12:00 m.

attested, within the time prescribed by law, to undersigned as adminisratrix and all persons indebted to

A Doctor's Gift

to The World A Remedy to Overcome Catarrh and Catarrhal Conditions was Dr. Hartman's Legacy to the World of Suffering.

The Dector early recognized the insiduous nature of catarrh and consecrated his life to checking the rayages of the worst of all health destroyers.

## PERUNA

The Greatest of All Catarrh Remedies Catarrh first attacks the mucous linings in the nose. throat, lungs, stomach, bowels or any other part of the body. Unchecked it finally breaks down the tisthe body. Unchecked it finally breaks down the tis-sues and chronic ailments develop which, if not fatal,

are always difficult to cure. Guard your health with Peruna. Don't walt until too late. Peruna is excellent for coughs, colds, effects of the grip and catarrhal inflammation and congestion of the mucous linings. Many startling recoveries have been recorded.

WRITE FOR THIS BOOK.

If sick and in doubt, write The Peruna Company, Dept. S 81, Columbus, Ohio, for Dr. Hartman's Health Book. It is free. Sent in a plain wrapper to any address. DO IT TODAY

"I was troubled for four or five years. A few doses of Peruna would always bring rollef. In the Spring of 1914, I began taking Peruna in earnest and used twelve bottles and have not had an attack in two years. I feel better and can do more work than in ten years.

Peruna also cured me of chronic Bronchitis and I recommend it as a splendid remedy."

MIC. O. F. MeBRIDE.

Santa Fe, Ohio.

HAD CATARRH IN WORST FORM
"I had catarrh and was all run down. Many claimed it was consumption and I really thought so sumption and I really thought so sumption and I really thought so weight was 89 pounds. I took fitteen bottles of Peruna and am entirely cured. I now weigh 135 pounds. Thanks to Peruna. MRS. A. J. NETKOWS.

MRS. A. J. NETKOWS.

MIC. O. F. MeBRIDE.

If you want health, inglet TOOK IT FOR CHRONIC BRON- HAD CATARRH IN WORST FORM

having Dr. Hartman's World Famous Peruna Tonic.

IN LIQUID OR TABLET FORM. Sold Everywhere.

Ask your Dealer for a Peruna

the march?" asked the general. "Thirty-six hours."

"Then of course they are too tired "Not at all-they'll go right in."

"Can you stop the Germans?" "Certainly we can stop them."

It was thus that an American infantry regiment and five batteries of artillery were thrown straight across the road from Metz to Paris. The Germans not only did not advance one LANCASTER & CHESTER RY. CO. step further along that road, they were immediately driven back by the Amer icans and their re-enforcements at Bouresches, at Chateau-Thierry, at the Bois de Belleau.

will 'n sase your farm productivity, Lv. Laneaster. . . . . 7:00 a. m and that your county agent will help Lv. Fort Lawn. . . . 7:41 a. m

That potatoes and other starch

the estate of Furman A. Magill, de-ceased, will present the same, duly attested, within the time presented. Ar. Lancaster. . . . . 1:00 p m the said estate will make immediate payment to the same.

MRS. LUELLA MAGILL,

Almanac **NOLDS** 

Head or chest-"externally"-ICKS VAPORUB NEW PRICES --- 30c, 60c, \$1.20

Schedule in Effect January 1, 1919 Eastern Time.

Westbound.

Lv. Lancaster. . . . . 7:00 a. m Lv. Bascomville . . . 8:00 a. m Lv. Richburg. . . . . 8:12 a in Ar. Chester. . . . . . 9:00 a. m.

Eastbound.

A. P. McLURE,

Dec. 30; 1918. Administratrix. Do You Get The News?

# Dodge Automobiles

We are beginning to get regular shipments of Dodge Automobiles from the factory in limited numbers. Owing to the fact that shipments of cars will be limited for quite a while, we are taking this opportunity to ask you to place your order as early as possible to insure deliveries promptly. The new cars just received are extremely neat and fully up to the standard.

# City Motor Co.

Rock Hill, S. C.

Agents for Dodge Cars in Lancaster County.

BE SURE YOUR NEXT CAR IS A