

# FARM POULTRY

## WINTER ROOTS FOR POULTRY

Fowls Relish Beets and Turnips as Substitutes for Green Food—Better to Feed Raw.

Turnips and beets are good green food substitutes, and fowls relish them. They can be fed by cutting in half and allowing the fowls to pick them to pieces, or they can be ground fine in a bone cutter and fed in troughs. It is better to feed them raw than cooked.

Turnips contain 90.6 per cent water, 0.8 per cent ash, 1.3 per cent protein, 1.2 per cent fiber, 5.9 per cent nitrogen.

Sugar beets contain 26.7 per cent water, 9.2 per cent ash, 1.5 per cent fiber, 9.9 per cent nitrogen free extract, and 0.1 per cent fat.

Turnip seed may be sown either very early in spring and an early summer crop secured, or later in July and August for winter storing. For early use plant in rows one to one and one-half inches deep and twelve to eighteen inches apart in the row.

In field culture the rows are often thirty inches apart to facilitate horse cultivation. The seed is sometimes sown broadcast from July 20 to August 1, when a crop is grown for stock. Two to three pounds of seed are required for an acre.

Beets are usually sown the latter part of April or first part of May. About the same treatment in planting is given the beet as is given the turnip.

## PLACE TO FEED THE CHICKS

Difficult Problem on Account of Old Hens Eating Most of Feed—Runs Are in Favor.

It is often hard to feed little chicks on account of the old hens eating most of the feed. To prevent this I make a feeding creep for the special use of the little chicks, writes Owen Crisman of Russell, Kan., in Farmers' Mail and Breeze. To make one of these runs take six pieces of 2 by 2-inch lumber, 2 feet long, and saw one end of each to bevel. Nail two of them with the beveled ends firmly together. Nail the rest up in the same way. When finished they look like three V's upside down. Place the pieces nailed to-



Creep for Little Chicks.

gether 2 feet apart and nail lath 4 feet long on these pieces about an inch apart. Put the bottom lath 3 inches from the ground so the chicks can slip under to get the feed. When through using the runs they may be set away for another season. By doing this they will last several years. They save both time and feed in raising chicks.

## HATCH CHICKENS IN WINTER

While Outside Weather Conditions Are Unfavorable Youngsters Are Brooded in Poultry House.

Chickens hatched by the mother hen during the winter are brooded in a poultry house or shed while the outside weather conditions are unfavorable.

After the weather becomes settled, they can be reared in brood coops out of doors.

The coops are made so that they can be closed at night to keep out cats, rats or other animals, and enough ventilation is allowed so that the hen and chicks will have plenty of fresh air.

## ESSENTIALS IN DUCK RAISING

Select One Breed and Stick to It—Fowls Should Be Fed Frequently—Keep the Coops Dry.

Don't keep two or three different kinds of ducks. Choose one variety and breed for quality.

Don't try, by mixing it with their food, to force ducks to eat more grit than they want.

Don't be afraid of overfeeding. Ducks should be fed four or five times daily.

Don't omit fresh vegetables and green stuff from their diet.

Don't let their coops get damp and filthy.

Don't forget plenty of clean, fresh water, and give them a chance to rest in the shade.

Disease Becomes Epidemic.

A disease that is transmitted through one generation of chickens to another is apt to become epidemic.

Weaklings Most Susceptible.

Roup is infectious and the weaklings are the ones to first become infected.

Hens Pay Biggest Dividend.

A well-cared-for flock of hens will pay a bigger dividend than anything on the farm.

Prevent Waste of Feed.

Prevent waste and make every pound of feed bring the best results possible.

# ROAD BUILDING

## USE OF CONVICTS ON ROADS

Fassed Through Period of Hysterical Wrangle Into One of Actually Successful Accomplishment.

"The use of convicts on the public roads has passed through the period of hysterical wrangle into a period of actually successful accomplishment and almost universal acceptance," stated E. Stagg Whitin, whose new course in practical penal problems at Columbia university was recently announced.

Doctor Whitin holds that the underlying motive in convict road building must be to secure the great efficiency for the state out of its possessions.

But the convicts and the roads are property of the state, and the working of convicts upon the roads should eliminate many elements of waste in the administration of road and prison departments.

"The efficiency of the convict on the road gang," he continued, "differs greatly in different gangs. There is no doubt in my mind that the application of the efficiency records in use at the present time in the Wisconsin road camps for free labor will tend even more perceptibly to raise the efficiency of convict labor.

"Incentive must be created before good work can be produced. Coop any of us up in a stuffy, unsanitary jail for several months, arraign us for trial amid the excitement of what we misname as justice, and then take a few months of breaking our spirit in prison surroundings and there is little likelihood that the thing we call ginger will be very apparent. There is definite need of building up if the convict is to return to society and make good.

"The great need," Doctor Whitin concluded, "is for the foreman of a convict road gang to throw his shoulder to the task and inspire his gang with the desire to be like him. The problem lies in securing such men as foreman of the road gangs."

The graduate department of highway engineering at Columbia university has been in close touch with the national committee on prisons and prison labor, which is located on the campus, for a number of years. This work has been carried on under the joint direction of the department and



Convicts Building a Road.

the prison committee. Doctor Blanchard, professor of highway engineering, sees the great opportunity for the highway road work, and, as he stated in a recent article in the Columbia Spectator: "The humane element must be a factor in the education of the highway engineer of the future." This will be supplied through the co-operation of the national committee on prisons and prison labor and the work under Doctor Whitin at Columbia university.

## OIL PRESERVES COUNTY ROAD

Surface Rendered Impervious to Water and Crown Is Almost Like Asphalt—No Signs of Wear.

The only road in Berks county, Maryland, which is strictly a "county road" is the stretch of five miles between Douglasville and Yellow House. By this is meant that it is neither a state nor township road, but is entirely under the jurisdiction of the county authorities.

Recently the road was treated with a coating of crude oil, and no one doubts the wisdom of this action. The road is now not only dust-proof, but the surface has been rendered impervious to water. The crown is almost like asphalt, and there are no signs of wear or tear.

## The Value of Roads.

It cost France \$612,000,000 to build the best system of roads in the world. For many years it has reaped untold wealth, enjoyment and benefit from them, and now those same roads have become the greatest single factor in saving the republic from destruction by invading enemies. Certainly if any sane man doubts the profit or advisability of the best roads and the most of them, France affords an object lesson that none can fail to comprehend.

## Dangers of Draft.

Drafts feel best when we are hot and perspiring, just when they are most dangerous and the result is Neuralgia, Stiff Neck, Sore Muscles or sometimes an attack of Rheumatism. In such cases apply Sloan's Liniment. It stimulates circulation to the sore and painful part. The blood flows freely and in a short time the stiffness and pain leaves. Those suffering from Neuralgia or Neuralgic Headache will find one or two applications of Sloan's Liniment will give grateful relief. The agonizing pain gives way to a tingling sensation of comfort and warmth and quiet rest and sleep is possible. Good for Neuritis too. Price 25c. at your Druggist. 1

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## Citation.

STATE OF SOUTH CAROLINA, COUNTY OF EDGEFIELD.

By W. T. Kinnaid, Probate Judge. Whereas, Luther G. Watson, of above County and State, made suit to me, to grant him Letters of Administration of the Estate and effects of Henry C. Watson, late of above County and State.

These Are Therefore to cite and admonish all and singular the kindred and Creditors of the said H. C. Watson, deceased, that they be and appear before me, in the Court of Probate, to be held at Edgefield, C. H., S. C., in my office on the 6th day of May, 1916, next after publication, at 11 o'clock in the forenoon, to show cause, if any they have, why the said Administration should not be granted.

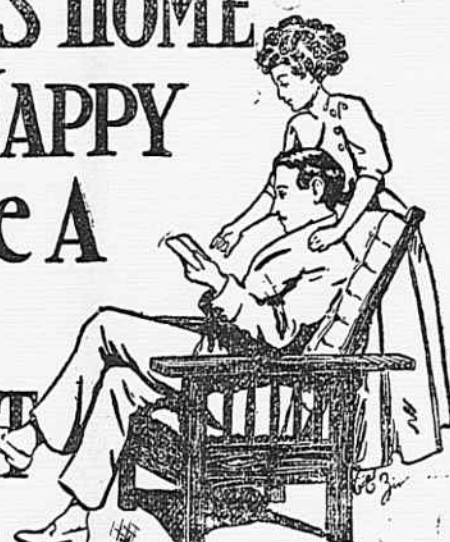
Given under my Hand, this 18th day of April A. D., 1916.

W. T. KINNAID, P. J., E. C.

April 19--3t. A. H. Corley, Surgeon Dentist Appointments at Trenton On Wednesdays.

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# IT MAKES HOME OH! SO HAPPY To Have A BANK ACCOUNT



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