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POULTRY

HINTS, HELPS AND SUGGESTIONS

PRACTICAL POULTRY HINTS

By S. I. Lanning

We have often noticed how hens like to scratch in a wagon box. This led us to try an experiment that has been very satisfactory in this wet country.

We built a box a little larger than a wagon-box and nailed it to the walls of the hen-house about 4 feet above the

This box was filled about one third full of chaff and grit. The wheat that we feed is thrown into this box and the hens are obliged to work for every bite

Before we built this box our chickens had lice. We bought some powdered sulphur and threw into this scratch-box. In this way while the chickens are scratching for feed they are dusting themselves with the bes: louse killer I know of.

There are a great many cabbage stalks and loose heads in the garden. We allow the chickens free access to these and the result is we have a fine bunch of chickens and we have been getting eggs all winter.

BOOTS AND DOCTOR BILLS.

There never was a man with so r constitution but continued disregard of the laws of health would undermine and destroy it. We have in mind just such a case which came to our notice the other day. The young fellow in question for years took no pains to guard himself from exposure, thinking nothing of wading into the river in the spring of the year when repairing fences or of exposing himself in sleet or rain storms without putting on dry clothing afterward. He thought he could keep this up, and it seemed as if he could. But today he has symptoms of tubercuiosis and is making regular visits to a doctor. It is to be hoped the disease can be headed off, but if not it can only be viewed as the direct result of carelessness. The outdoor life on the farm is most favorable to physical health, but perhaps in no other occupation is there greater exposure when one is overheated, and great care should therefore be exercised. Water tight footwear and rubber coats cost quite a bit, but they are a good deal cheaper than doctor bills.

AN IMPROVEMENT ON SERUM TREATMENT.

A Missouri farmer, H. R. Rust, who lives near H. din, has discovered what he contends is an important fact in connection with the serum treatment of bogs for cholera. In addition to the use of the serum, which is being furnished at cost by a number of state experiment stations, he states that at the same time the serum is injected an Hay, Feed, Grain & Building | We Simply Dote on Help- from a hog affected with the disease trees are cut back properly, can be made injection should also be made of blood at the time it was drawn. He contends that if the serum is used alone it renders a hog immune but for a limited time, while if an injection of blood is "NAME THE DAY" also made the bog contracts the cholera at once and the serum injected at the same time counteracts it, with the result that the animal is rendered cholera proof for the rest of its life. Mr. within the past year claims to have given 10,000 hogs this double or simul-

> CARE OF THE BROOD SOW. Most of the trouble that sows have at farrowing time is due to their not receiving the right kind of ration during the weeks preceding the birth of their pigs. The difficulty does not seem to be due to any intention on the part of the owner to scrimp the ration, but rather to feeding a ration that is not well balanced. Corn is a tiptop ration to give to a steer or hog that is being fattened for market, but it should form a very small part of the ration for the brood sow. What she needs rather are feeds that will give her bone and muscle forming elements. These are most readily secured in skimmilk, bran, oats, gluten meal, barley, clover and alfalfa. Besides these feeds, which will form the basis of the ration, the sows should be given as much cobcharcoal, wood ashes and fresh water as they will consume. The above ration, coupled with comfortable quarters, should insure good health for the sows and give thrifty and vigorous little pigs at farrowing time.

> > OUR OWN POTASH.

Some capitalists over in Germany, aided and comforted by the imperial government, sought to monopolize and set their own price on phosphate shipped to the United States. With this situation as an incentive the department of agficulture has been making some investigation, and, while the pre-Hminary work is not yet finshed, enough facts have been gathered to make clear that we have vast deposits of phosphate in our own country, more than enough to supply our needs for generations to come. Florida, Ken-tucky, Tennessee and Idaho are states in which deposits are located. In this case, as in many another, necessity is the mother of invention or discovery.

SNAPS FARM AND Our Ideal Chicken Ranch-By S. I. Lanning.

This space represents one acre. It is 8 rods wide, and 20 rods long. It is planted in potatoes this season, and we expect 500 bushels, as we plowed under a clover sod besides all the fertilizer from the hen house.

This means \$300 worth of "spuds." This acre will be sown in wheat and clover as soon as the potatoes are dug.

clover to above. There at the center square into and the whole end the will op that is y each of the as ope with

Hen house fruit trees, scratch pens, and coops are located on this central square which is 12 rods square.

There should be 40 bushels on this acre if threshed. The growth of young acre with the wheat is immense. into over the

Here is where our 500 white hens are running this summer.

They are a happy lot of hens reveling in red clover as high as their

We almost need a horse and wagon to gather the eggs sometimes.

Imagine the "spuds" that will grow here next season.

A CONDITION-NOT A THEORY. Tillers of the soil and especially those interested in the production of wheat would do well to realize the meaning of the figures showing exports of wheat for the past few years. Figures compiled show that ten years ago the exports of wheat from the United States were sufficient to feed 36,000,000 people, while last year the amount of wheat exported was barely enough to feed 11,000,000 people. At this rate the balance of trade in wheat will be against us in a half dozen years. Two things are responsible for this decrease in exports-an increase in our population, but, far more than this, a rapid decrease in the produc-

SAVING STORM BROKEN TREES

tive capacity of wheat producing lands.

"When trees have been severely injured by storms or other weather conditions, the first impulse of the orchardist is to rip the trees out," says Prof. C. I. Lewis of the horticultural division of the Oregon Agricultural College in response to a large number of letters of inquiry regarding the proper handling of the trees broken by the recent "silver

"This would probably be a mistake since, with all trees except one-year-olds, there is a good root system that, if the to force out a strong, vigorous top," continued Prof. Lewis.

"Often trees injured by freezing in winter or by sour sap and sunscald in spring, or by rabitts or squirrels, may be cut back in such a way as to force a new top. If the snow or ice has merely broken off the branches, the broken ends Rust has a farm of 1,300 acres and should be cut smooth with a sharp instrument, and where there are two or three buds left on a main branch new branches can generaly be torced out and a new body be built on the tree.

"If the branches are all stripped from the tree, it may be simply cut off below the badly stripped place-in some trees about 18 inches above ground. I have found that occasionly two or three year olds so treated simply feather out, the buds developing clusters of leaves instead of forcing out good leading branches. One must expect to lose a few trees in this way. On the other hand, they sometimes force out strong new laterals.

"Another way is to cut back from 3 to 6 inches from the ground, when strong laterals may often be forced out which can be pruned the next year likenew trees, giving the benefit of several things. If the tree forces out three or four laterals of about equal strength, these can be headed back and the tree treated like an open center, very low headed tree, and by in-arching and Intertwining all branches that can grow well together such crotches can be made much stronger than otherwise. Often it will be found better to remove all but one of these new sprouts, and prune it as if it were a new tree.

"Trees three years old or more should have another treatment. If they have fairly large bodies. If they are rebuded or regrafted one is fairly sure of losing few trees. I would cut the tree back to about a foot from the ground and insert a couple of scions, either by cleft graft or bark graft. These would force out a fine growth which will need close watching the coming year, and should be pruned by June or early July, heading back the rank terminals to force out desirable laterals and keep the tree low headed.

"In cases of sour sap, sunscald, or injury by rabbits and squirrels where the trees are girdled, they may be cut off

below the point of injury and good (and train the sprout into a new tree. If strong shoots will be sent out. The the sprout comes out above the graft. root system of the tree is uninjured and as is usual, grafting will be unnecessary. will furnish an enormous amount of Rebudding or regrafting to a desired sap, and the buds forced out will pro- variety will be necessary if the sprouts bably be strong.

"Only in rare cases would I take the

come out below.

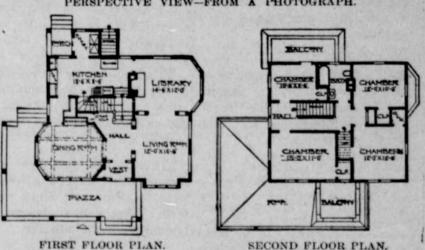
trees out roots and all. Occasionally Lame back may come from over-work. when the tops seem badly injured from cold settled in the muscles of the back, uncongenial weather, the sprouts will or from disease. In the two former be forced out, yet the top remain alive. cases the right remedy is BALLARD'S If it seems to be vigorous I would cut SNOW LINIMENT. It should be rubbed off the sprout at the ground, but if in thoroughly over the affected part, there is question as to the vigor of the the relief will be prompt and satisfactop and none at all as to the strength of tory. Price 25c, 50c, and \$1.00 per botthe sprouts, I would remove the old top tle. Sold by Lents Pharmacy.

STYLISH AND COMFORTABLE.

Design 3W, by Glenn L. Saxton, Architect, Minneapolis, Minn.



PERSPECTIVE VIEW-FROM A PHOTOGRAPH.



Here is a house that has been built a number of times, and every one who

has built after this plan is pleased with the result. This plan has a central hall, with stairway in the rear, combination up from the kitchen. Living room in front connected with the hall by column archway. There is a library in the rear of the living room, with large open fireplace. Fireplace worked out so that it takes care of the kitchen heating plant, also fireplace, thus making a saving of \$75 to \$125 for an extra chimney. The dining room is well aranged; has built-in sideboard, beamed ceiling and the sides of wainscoting. This room is connected with a kitchen by a butler's pantry. Built-in cupboards in the pantry and built-in cupboards in the kitchen. Rear entry, with small porch in rear. Balcony above same. This also has grade door built in the rear. There is a splendid piazza across the front and round the dining room side. Second story contains four good chambers, balcony both front and rear, large closet space, linen closet and good sized bath. There is a full basement; first story, nine feet; second story, eight feet six inches. Size of house is thirty-two feet wide and twenty-eight feet deep over main part. First story finished in red oak or birch throughout; second story pine to paint, with birch doors. Cost to build, exclusive of heat-

ing and plumbing, \$3,300. Upon receipt of \$1 the publisher of this paper will supply a copy of Saxton's book of plans entitled "American Dwellings." The book contains 240 new and up to date designs of cottages, bungalows and residences costing from \$1,000