

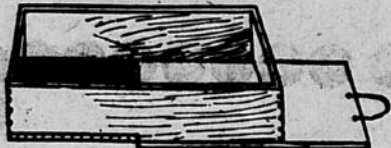
POULTRY AND BEES

CHARCOAL FOR HENS.

It Promotes Digestion and Appetite and is Said to Stimulate Production of Eggs.

The hen in confinement must have careful feeding to keep her in health. Charcoal is cleansing to the system and promotes digestion and appetite. A simple device for securing charcoal from the ashes of any wood fire is quickly made out of a coffee box.

To make the little sifter shown in the drawing, pry the bottom from one of the 4 1/2 by eight-inch boxes in which



HANDY CHARCOAL SIFTER.

fish is bought. Cut a piece of netting (from a worn-out ash sifter will do) about five inches square. Tack this over the bottom of the box at one end, using double pointed tacks. Bend the edges of the netting up against the box on the outside, then tack the bottom of the box on again, letting it just cover the netting and project 4 1/2 inches or so beyond the box. This forms a handle, and a piece of cord passed through two holes and tied to form a loop makes it possible to hang up the sifter.

This sifter seems a small and slight affair, but it works much better than a big one into which several quarts of ashes would be dumped at once. Armed with an old pan and a fire shovel, putting in only a few ashes at a time, the contents of the ash pan from our kitchen range will yield over a quart of fine charcoal.—Orange Judd Farmer.

TWO KINDS OF WEEDS.

One is Human, the Other Vegetable, and the World Has No Use for Either of Them.

John Burroughs somewhere calls weeds "the tramps of the vegetable kingdom." The analogy is very fitting; for, like the human tramp, these vegetable vagrants range from the picturesquely good-for-nothing to the positively vicious. Sympathy or even tolerance for either is misplaced and worse than useless. The tramp is indeed one of the world's unfortunates and a certain sort of pity is due him for his fallen estate, but he cannot be brought back to self-respect and honest toil by alms nor mawkish philanthropy. His disease can only be cured by work. To feed him without an attack on the woodpile as a condition precedent, is to put a premium upon his idleness. It is a fine and beautiful thing to see the sweet, young matron giving a piece of bread and meat to the unkempt bleary animal who asks for a bite to assuage the pangs of hunger, and many a tender-hearted man says in a self-gratulatory way, as one who offers a ticket for a front seat in Paradise: "I never turn a hungry man away from my door." This is an especially blessed thing for the giver, but it is not the best gift for the recipient. Alms debases the receiver and confirms him in his wretchedness. There is no place in this good and bad world for weeds, whether two-legged or one-legged. The struggle for existence writes their doom thus, as the fittest survive and multiply: "Get in line or get out." Either our vegetable and human parasites must show their reason for existence in the economy of things (which is admitted a human conception) or they must make way for that which is useful or beautiful.—Rural World.

LATE BEE PASTURE.

Why It Pays to Sow a Little Alsike and White Clover on Land Needing Rest.

In some localities, late in the season, the honey-producing plants fall or their season passes and the bees find themselves without anything to work on. The ordinary farmer considers it too small a business to take into consideration the needs of the busy little workers when sowing his crops, but when we call to mind the fact that all bees bring us is just that much clear gain, with little or no labor, we can afford to expend some time and labor in providing for their wants. Especially is this true when the crop sown is one that will bring a profit or prove a benefit outside of its value as a bee food. Alsike and white clover sown in waste places and on land needing rest and rejuvenation will furnish much stock food, as well as the best bee pasture. There are many fields and patches about the farm where the early crops will be taken off in August, which can be planted in buckwheat and a good crop of salable grain realized, while the bees can find the material in it for their winter stores.—Prairie Farmer.

Early Perching is Desirable.

Some breeders put in their perches at the start. If you do this see that your perch is simply a board three or four inches wide, running full length of the coop. Two perches of this kind are still better at first, to prevent piling up of the chicks. Until the past year we have not put in our perches until the fall, allowing the chicks to spread themselves around on the floor. Early perching is desirable, in that it teaches the chicks the habit while young. The "floor perchers" are hard to teach when older. Even when put into the breeding houses in November many of them will persist in staying on the dropping boards instead of the perches.—Stockman and Farmer.

FROM EGG TO CHICK.

What Science Has Discovered Regarding the Incubation and Birth of the Little Things.

If a fertile egg has been incubating for even 24 hours, a small speck is visible, but it is not discernible in thick or dark-shelled eggs; but if the egg were broken open, it would be perceived that the vesicle had enlarged, and radiating from it would be a number of minute blood-vessels.

On the third day these blood-vessels will have completely surrounded the yolk, and the small dark spot in the center will have developed into the eye or brain. The brain is the first part to take definite form.

On or about the fourth day a respiratory membrane is formed, and the egg gradually increases in opacity until after the seventh day it is not practicable to form any judgment of the progress of the chick by means of light.

By the tenth day the bones of the skeleton have begun to assume consistency, the internal organs have a decided shape, the heart is formed, and all vital parts are complete. On certain parts feathers are growing, and all development from hence is rapidly carried on.

On the twelfth day heat is given out, and that is easily demonstrated to those who use incubators, as less heat is required to keep up the temperature, and it is generally necessary to move back the weight.

The chick reaches its perfect form on the fifteenth day, and from thence grows in size, until, on the nineteenth day, respiration through the lungs takes place.

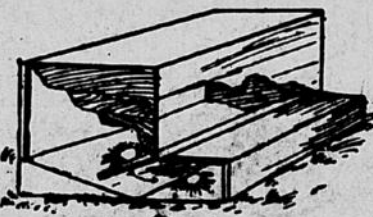
Up to within a few hours of the exit of the chick from the shell, the egg bag lies outside the bird. Immediately before hatching it is absorbed into the intestines, and forms sufficient sustenance for the chick for 24 hours. Therefore, people should avoid attempting to cram the little birds until this time has passed, when, if they are healthy, they will help themselves readily enough.

If all has gone well the eggs will begin to chip not later than the twentieth day, and the chick leaves the shell unassisted in from 12 to 18 hours from after the first appearance of the bill.—Boston Budget.

NEST FOR EGG EATERS.

Clever Contrivance Which Surprises the Vicious Hen and Usually Cures Her.

The habit of eating eggs probably originates from a lack of bones, oyster shells, or other form of lime, and when once formed, it is almost incurable. The quickest cure is decapitation for the table, but oftentimes a fowl is too valuable for that.



PREVENTS EGG EATING.

Useful for this treatment, and it may be worth while to prepare a nest like the one shown in the illustration. The bottom of the nest is in two parts. The larger piece stands to the rear just enough to cause an egg to roll down it. A glass nest egg is made fast to the lower piece to induce the hen to lay on the bare nest. When the hen has laid the egg and turned around to peck it, she is much astonished to see it roll out of sight.—B. P. Wagner, in Orange Judd Farmer.

POULTRY YARD PICKINGS.

Disease is friendly to the drinking fountain lined with green slime.

The poultry raiser and his fowls must have plenty of grit—and that's no joke. Hens and pullets may lay as well without the attention of a male bird as with it.

Ten cents a pound is about the average for hens in the market for the whole year.

One of the very best rations to feed the young chickens is coarsely ground oatmeal.

Silver penciled Wyandottes are making a reputation as layers. The Hamburg blood in them is responsible for this, no doubt.

Eggs will absorb flavors almost as readily as milk does. This fact does not seem to be well understood, but should be remembered.

Remember that the hens begin to fall off in laying at this season do not forget to take good care of them. They are simply taking a brief rest.

Remember that to be a good exhibition bird one must be strong and perfectly shaped. No poorly kept bird ever comes up to these two requirements.

The best breed of fowls on earth will produce only scrub results if neglected, and a scrub fowl will more than pay its way if given conscientious, intelligent care.

More and more the general public is coming to realize that there is not so much difference in breeds of fowls as there is in the people who take care of them.—Commercial Poultry.

Salt in the Poultry Food.

Salt does not kill poultry, though such has been the claim. If the fowls are allowed to have access to the broken rock-salt, or brine from a pork or fish barrel, they may eat too much and be injured, but a proper proportion of salt in the food is as necessary for fowls as for animals. Many diseases are due to a failure to supply salt, and this accounts for the cures effected by it in some cases, the fowls when sick being benefited by salt because it supplies a long-felt want.—Farm and Fireside.

WORKS AMONG RED MEN.

White Woman Who Travels Without Fear and Alone in the Interests of Education.

One of the bravest and best workers for the civilizing of the Indians on the reservations is a white woman. Her name is Estelle Reel, she hails from Wyoming and she holds the important position of superintendent of Indian schools for the United States, says the Washington Star. Miss Reel is a young woman of attractive personality and great courage. She travels alone among the Indians in the remotest and wildest parts of the country. The fiercest-looking brave has no power to frighten her, and her dauntless pluck has naturally won the Indians' respect and esteem as nothing else would have done.

The young superintendent is performing her work in a manner which reflects credit on womanhood. As a result a marked improvement is noticeable in the education of the Indian all over the country. Each year Miss Reel travels from coast to coast to study the various needs of the reservation schools and compare their results with other schools in more settled districts. During her first year of office she traveled seven months, becoming acquainted with the various tribes and the methods used in civilizing them. Much of the distance was covered by stage and wagon. It is largely due to her personal observation that the schools show greater efficiency than at any other time during their history.

Congress has a faculty of appropriating money for Indian schools without a definite idea of where they are to be located. The representative in Washington knows little or nothing of the wilds of Arizona. Another reason for the inaccessibility of the schools is that they are frequently established near reservations for which the Indian purpose chose remote locations. Miss Reel often travels through parts of the country where there is not even a wagon road.

Her most perilous journey is up the Colorado river. She is obliged to board a barge and take a two day's journey on the river, accompanied only by two Indians. Teachers who have come a long distance from the east protest that they cannot go when they get this far, but Miss Reel is confident the Indians are her friends, and never feels the slightest fear of them.

Isolation from railroads makes Miss Reel's visit an event in any Indian school, especially as she carries with her a whole pharmacopoeia of medicine. This is intended for the teachers and scholars, to whom she is doctor, and nurse.

BULLFINCH AND CANARY.

The Latter Bird Can Be Trained to Imitate the Other Songster.

That a bullfinch can be trained to pipe a whole tune, or more, to perfection—that is to say, do it, so far as intonation and rhythm are concerned, as well as any skilled musician—everybody knows. It is also a fact, though perhaps less common, that a canary, placed in an adjoining room and hearing the tune of such a piping bullfinch over and over again, may, quite by himself, i. e., without being trained for it, acquire the same accomplishment to the minutest detail.

My sister possesses an old bullfinch which pipes, among other tunes, "God Save the King" beautifully, even embellishing it now and then with some charming little grace notes, says a writer in Nature. For some time he was the only bird in the house, until, about a year ago, my sister received the present of a canary bird, a lovely but untrained songster, singing, as they say in Germany, "as his beak was grown."

The cages containing the two birds stood in two adjoining rooms. At first one of the birds would be silent when the other was singing. Gradually, however, the young canary bird began to imitate the tune of the bullfinch, trying more and more of it at a time, until after nearly a year's study he had completely mastered it and could pipe it quite independently by himself. As I said before, this, in a canary bird, though a rare accomplishment, is nothing extraordinary or unheard of.

When the bullfinch, as sometimes happened, would, after the first half of the tune, stop a little longer than the rhythm of the melody warranted, the canary would take up the tune where the bullfinch had stopped and properly finish it.

On the Installation Plan.

"Do you do business on the installment plan?" he asked of the tailor.

The tailor looked dubious, for he knew something of the man. However, he finally admitted that he did business that way.

"In that case," said the customer, "I would like to get a suit of clothes on the installment plan."

"All right," said the tailor, "but, of course, you understand what our installment plan is."

"I don't like all others?"

"Not at all. You see, we deliver the clothes by installments, and your first payment will just about cover the vest. When you make the next payment you will get the trousers, and when the bill is paid we will deliver the coat."—Chicago Post.

The Light Cure.

The Finzen lamps are now credited with ten cures of cancer of the skin out of 22 cases treated, and with cures of obstinate ache and of baldness due to bacteria. Erysipelas and minor eruptions have been treated with good results. At the Finzen institute are rooms for exposing patients to electric-light baths and to sun-baths, and an exhaustive and promising investigation of the influence of light in various nervous diseases and in insanity is in progress.

BEGGAR GIVES CREDIT.

But He Doesn't Relish the Practice That Some People Have of Putting Him Off.

Chekib Bey, the Turkish minister to Washington, attended in Philadelphia the recent launching of the Turkish warship Medjidia at the Cramp's shipyard. During the luncheon following the launch Chekib Bey inadvertently for a moment to the beggars of Philadelphia, says an exchange of that city. "You have here," he said, "an enterprising and intelligent collection of beggars. One of them approached me this morning. He told a moving tale of misfortune; then he asked me for a little money. 'I put my hand in my pocket, to find that I was altogether out of change. 'My man,' I said, 'I have nothing for you now, but in an hour I shall be passing this way again. Then I promise you you shall get something from me.' 'All right, sir,' said the beggar; 'but all the same, he added, fretfully, 'you wouldn't believe the amount of credit I give in this way.'"

A Little Of.

A local artist of note tells an amusing story of his visit to an insane asylum in this state. Spending as much time as he could visiting an inmate, he started down the stairs on his way to catch the train back to the city.

At the foot of the stairs stood a large clock. Taking out his own watch to compare the time, he found there was a difference of several minutes. Turning to the doorkeeper, a young Irishman, he inquired if the clock was right.

"Right!" said the doorkeeper. "Do you think it would be here if it was right?"—Philadelphia Ledger.

A German Farmer's Case.

Rich Fountain, Mo., Aug. 17th.—Rev. Jos. Pope, of this place, is widely and favorably known as a clergyman who has done and is doing much for his people. He is very much beloved by everyone for the faithfulness of his pastoral work.

Rev. Mr. Pope has given for publication a statement made to him by a German farmer, who is a member of his congregation. The man's name is George Hoeller, and he has given Rev. Mr. Pope this letter:

Last winter I suffered very much with Rheumatism. I could neither walk, nor ride on horse back nor any farm work. I took medicine from different doctors, but they did not do me any good. Then I tried Dodd's Kidney Pills procured for me by a good friend. After I had taken the first box I felt already a heap better. I was relieved of the pain and could walk and chop wood; and the contraction of my fingers began to resolve.

"Now since I have taken six more boxes of Dodd's Kidney Pills I feel well again and am able to do all the work on the farm."

Misplaced Affection.

The Eskimos were very angry with the arctic explorer.

"What did he do?" asked the member of the relief expedition.

"He petted our dogs," explained the native.

"Is there any harm in petting your dogs?"

"Yes; their tails were frozen stiff, and when they went to wag them they broke off."—Stray Stories.

For Only \$85.00

The Northern Pacific will sell a special ticket for a tour of Yellowstone Park, including railway and Pullman fares and meals in Dining car, St. Paul to Gardiner and return, stage coach transportation through the park, and board and lodging at the Park hotels for the regular tour of five and one-half days. Tickets sold so that passengers can leave St. Paul or Minneapolis on Park train of Sept. 3 only.

If necessary, a special train of Pullman, dining and observation cars will be run. Apply to any N. P. R. Agent for information and reservations; or write to Chas. H. Fee, Gen. Passgr. Agent, St. Paul, Minn.

Nothing in the world is more haughty than a man of moderate capacity when once raised to power.—Wessenberg.

To Cure a Cold in One Day Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c. Chicago Tribune.

If you stand too much upon your dignity, somebody is sure to walk on it.—Chicago Tribune.

I am sure Piso's Cure for Consumption saved my life three years ago.—Mrs. Thos. Robbins, Norwich, N. Y., Feb. 17, 1900.

It is the grain of truth that gives force to the lie.—Ram's Horn.

Old Sofas, Backs of Chairs, etc., can be dyed with Putnam Faddless Dyes.

You cannot live by another's experience.—Ram's Horn.

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A Large Trial Package of

DAXTINE TOILET ANTISEPTIC

A NEW SPECIALTY FOR WOMEN.

Internal cleanliness is the key to woman's health and vigor. Inflammation, Sciatica, Pelvic Catarrh cannot exist with it.

Daxtine used as a vaginal douche is a revelation in combined cleansing and healing power. It kills all disease germs. In local treatment of female ailments it is irreplaceable. Best information and cure all discharges. Never fails to cure Nasal Catarrh. Cures offensive perspiration of arm pits and feet. Cures Sore Throat, Sore Mouth and Sore Eyes. As a tooth powder nothing equals it. Removes Tartar, Hardens the Gums and whitens the teeth, makes a bad breath sweet and agreeable. Thousands of letters from women prove that it is the greatest cure for Leucorrhoea ever discovered. We have yet to hear of the first case it failed to cure.

To prove all this we will mail a large trial package with book of instructions absolutely free. This is not a tiny sample, but enough to convince anyone. As a tooth powder or sent postpaid by us, 6c. etc. large box. Satisfaction guaranteed. The N. E. Faxon Co., Dept. 23 Boston, Mass.

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THE SALESWOMAN

Compelled to Be on Her Feet the Larger Part of the Day Finds a Tonic In Pe-ru-na.

Miss Curtin, of St. Paul, Gives Her Experience.



MISS NELLIE CURTIN.

MISS NELLIE CURTIN, 646 Pearl street, St. Paul, Minn., head saleswoman in a department store writes:

"I have charge of a department in a dry goods store, and after standing the larger part of the day, I would go home with a dull ache, generally through my entire body. I used Pe-ru-na and feel so much better that I walk to and from the store now. I know Pe-ru-na to be the best medicine on the market for the diseases peculiar to women."—Miss Nellie Curtin.

Nothing is so weakening to the human system as the constant loss of mucus. Catarrhal inflammation of the mucous membrane produces an excessive formation of mucus. Whether the mucous membrane be located in the head or

pelvic organs, the discharge of mucus is sure to occur.

This discharge of mucus constitutes a weakening drain; the system cannot long withstand the loss of mucus, hence it is that women afflicted with catarrhal affections of the pelvic organs feel tired and languid, with weak back and throbbing brain. A course of Pe-ru-na is sure to restore health by cutting off the weakening drain of the daily loss of mucus.

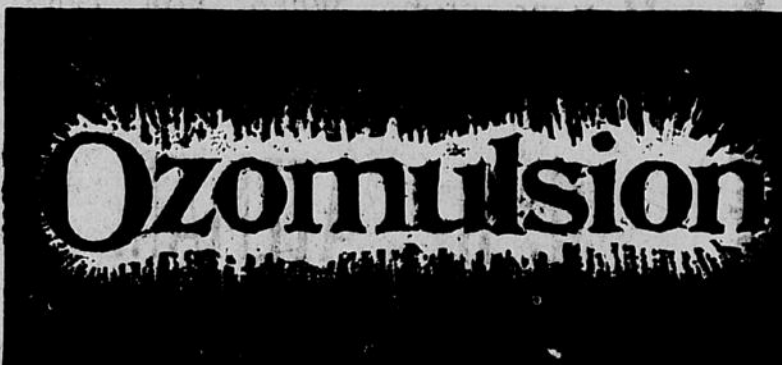
An Admirable Tonic.

Congressman Mark H. Dunnell, National Hotel, Washington, D. C., writes: "Your Pe-ru-na being used by myself and many of my friends and acquaintances not only as a cure for catarrh but also as an admirable tonic for physical recuperation, I gladly recommend it to all persons requiring such remedies."—Mark H. Dunnell.

If you do not derive prompt and satisfactory results from the use of Pe-ru-na, write at once to Dr. Hartman, giving a full statement of your case and he will be pleased to give you his valuable advice gratis. Address: Dr. Hartman, President of The Hartman Sanitarium, Columbus, O.

THE BULL DOG GERM

You know how a bull dog bites. When he sets his jaw, hardly anything but death will cause him to let go his hold. Same with a microbe; only more so. Get rid of him, or he'll get rid of you. By degrees, as he continues to live and multiply, he will so poison your blood, as to make you very sick indeed. The only way to drive out microbes, is to take some medicine which will go right into, and sterilize, the blood. Nothing will do this like



It contains a germicide which is directly absorbed by the blood vessels, and which, while enriching the blood with vital particles, paralyzes and destroys all germs, parasites and microbes.

This done, the other ingredients of this great pharmaceutical preparation, principally cod liver oil, glycerine and hypophosphites of lime and soda, proceed quickly to build up the flesh and strength of the patient, and so make him well.

Literally and actually, Ozomulsion will feed you back to health.

Do not hesitate or delay. If you are out of sorts, under the weather, weak, tired, irritable, anxious, or suffer from pains, aches, stomach, liver or kidney disorder, weak heart, lungs, consumption, or have other indications of microbial poisoning

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of Ozomulsion Food (by postal card or letter), which will at once be sent you, on request Free By Mail Prepaid. It is the Food Physicians use and prescribe the year round, in their own families and practice, and Dealers sell in Large Bottles Weighing Over Two Pounds. Address

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