

DOULTRY & BEES

MODERN PIGEON LOFT.

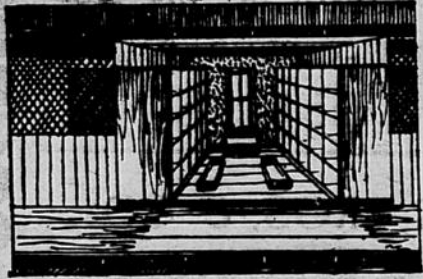
Description of an Interior Arrangement Which Makes Care of the Birds Very Easy.

When pigeons are to be kept in large numbers, it is quite important that the loft be arranged conveniently in order that the work of caring for the birds may be done quickly yet with the least disturbance to the pigeons.

When it becomes necessary to have several pens, the best way is to arrange them in line, with a three-foot aisle or walk at the back.

The arrangement of the rooms in which from 25 to 85 pairs of pigeons may be kept, is set forth in the accompanying drawing, and is so simple to understand that little need be added by way of explanation.

The rooms of the pigeon house are partitioned off with single boards, be-



PIGEON LOFT INTERIOR.

ing fastened to the floor and ceiling, thus avoiding frame work of any kind where the nest cabinets set.

Rooms may be made from 9 to 12 feet wide, the wider the better. They should not be over seven feet high, but could be from six and a half to seven and a half. They may be from eight and a half to twelve and a half feet deep, not including the aisle, when two feet are allowed for each nesting apartment.

The nest cabinets may cover the entire wall space up to five nests high, leaving a good roosting place 18 inches wide and the depths of the pen on each side of the room.

The pigeon holes to the fly-yard may be made just over each cabinet, as seen in the drawing, with but little danger of draft from any of the nests. One full window will furnish sufficient light for each pen.

There is plenty of room on the floor for the wet sink, water dish and two feed boxes. The aisle partition is made with the lower half of boards and the upper half of wire nettings. Built in this way the attendant may pass by the pens as rapidly as he wishes and not disturb the birds.

It is quite important that the birds those that swing either way would tend to perform his daily work. In pens where one must pass through, it is necessary for one to go very slowly and quietly or the birds will rise and skip for the fly yards. The doors should be made to match the partitions and hung with spring hinges, those that swing either way would be best. By having the aisle one can use a push car or small wheelbarrow in cleaning out pens.—Farm Journal.

THE POULTRY BUSINESS.

Some Reasons Why None But a Many-Sided Man Can Make a Success of It.

The successful poultryman must be many-sided. Poultry raising is a complicated business and requires a good deal of knowledge of a good many things. This knowledge is not acquired in a day. Poultry diseases must be known to a very considerable extent, and this requires thought and study. The knowledge of the diseases must be supplemented by the knowledge of the best conditions to prevent them. The poultryman must be familiar with the chemical constituents of feeds and understand the balancing of rations. He must be able to distinguish the different breeds and should know something of the standards of perfection. His knowledge of all the experiments with poultry should be complete. No poultry book of value should be outside of his library. To possess himself of the knowledge obtainable by reading he must devote a good deal of time to this branch of his activity. Then he must be familiar with the markets and with the methods of men that buy fowls and eggs. Moreover he must have a large stock of information as to how to run an incubator. This is a hard thing to procure, as it requires much loss of time and material finding out what things are necessary to be done to insure success. To these things must be added attention to innumerable details. Because the poultryman must be many-sided, many that attempt to be poultrymen fail. The man that goes into the poultry business should do so with his eyes open. He must expect to have to learn, and to learn one thing at a time.—Farmers' Review.

An Old Gander on Guard. "Keep an old gander," says a writer in a gardening paper, "if you would protect young chicks from their enemies in the shape of dogs, cats, crows and magpies. The gentleman will be found of great use, shifting all objectionable characters with commendable promptness. Not only will intruders be smartly looked after but the gander will make as much noise as possible while performing his duty, thus giving the poultry keeper and game rearer warning when all is not right."

THE WEIGHT OF EGGS.

During incubation it should be Studied and Regulated with Painstaking Care.

The following directions are issued by the West Virginia experiment station for finding the loss in weight of eggs during incubation:

After placing the eggs upon the trays ready for the incubator, set the trays upon a pair of scales reading to ounces and note the total weight of the eggs and trays. (The trays should be thoroughly dry.) After a few days weigh again. Subtract this from the first weight. This will give the actual loss in the weight of the eggs.

Example.—Suppose that you have 208 eggs on the trays; that the first weight with trays is 24 pounds 2 ounces, and that on the sixth day the weight is 23 pounds 6 ounces. Then the loss in weight is 12 ounces. Now look in the table for the loss in weight of 100 eggs for six days. This is 10 ounces. Ten ounces multiplied by 2.08 gives 20.8 ounces, which is the calculated loss for 208 eggs for six days. Therefore the eggs have not been losing weight as rapidly as they should, and the eggs should be given more ventilation or the incubator should be removed to a drier location. (It is assumed that the eggs are kept uniformly at the proper temperature.) After the eggs have been tested for the infertile ones, weigh again and proceed as before.

Rules.—If the eggs have lost too much weight, give more moisture, or less ventilation, but in reducing ventilation great care should be used, as pure air in the egg chamber is absolutely necessary. If the eggs have not lost enough weight, open the ventilators, or place the incubator in a drier place. The table shows normal loss in weight of 100 eggs in ounces for the first 19 days of incubation:

Days	Loss in Oz.	Days	Loss in Oz.
1	1.45	11	18.50
2	3.31	12	20.33
3	4.96	13	22.10
4	6.32	14	23.88
5	8.28	15	25.66
6	10.00	16	27.44
7	11.72	17	29.21
8	13.44	18	30.99
9	15.16	19	32.77
10	16.88		

POULTRY YARD POINTERS.

In feeding fowls study nature, and give them things they like the best.

Sour milk will bring better returns fed to hens than when even fed to pigs.

Turkeys when first hatched are very delicate and require considerable care: Young chicks should be fed often, but never given more food than they will clean up.

Game chickens have more meat in proportion to their height than any other breed of fowls.

When the chickens are growing fast, it is a good plan to mix a little bone-meal in their soft feed.

Scaly legs can be cured with an ointment made of two parts of glycerin and one part carbolic acid.

While it is at no time advisable to keep food of any kind before the fowls all the time, it will be an advantage to keep milk where they can drink all they want.

Fowls do not run together in large numbers. They will always divide into flocks of small size and will select different feeding grounds, always provided they have the opportunity.

A growing chicken, like a growing animal, requires plenty of good, wholesome food supplied liberally and often in order to enable them to grow and mature rapidly and to develop properly.

Unlike the foal, the calf, the pig and the lamb, the chick must depend on the outsider instead of its mother for food. It is this fact that is responsible for the high death-rate in the yards of many beginners and some that are not beginners. Nature supplies the chick with food for the first 24 hours and a wonderful constitution.—Rural World.

FOR HENS AND CHICKS.

A Durable Coop Which is Pronounced Almost Perfect by Those Who Have Tried It.

For several years I lost many young chicks from drowning during heavy showers, and the absence of good coops was to blame for it. The coop here illustrated is, in my estimation



IDEAL CHICKEN COOP.

almost perfect. It is 16 feet long, 30 inches wide, 30 inches high in front and 18 inches in rear. It is partitioned so as to accommodate ten hens. Each coop is accessible from a round hole cut in the back and closed by a cover. On the same side near the bottom is a removable board for cleaning the coop. The front has a hinged cover 18 inches wide to close down at night and during rainy weather. The whole rests on five 2x4's.—H. Pfander, in Orange Judd Farmer.

Get Rid of Old Hens. For obtaining the greatest number of eggs or for the production of the average quantity of flesh, fowls should never be kept beyond the age of three or four years, says Mirror and Farmer. It is well settled that during the first years of her life a well-fed hen will lay more eggs than ever afterward. From the end of her third year she begins to fall off as a layer, and chickens usually raised from aged hens are never so vigorous, so healthy or otherwise so promising as are those hatched from the eggs of younger birds that is to say, from those one or two years of age.

HUMOROUS.

Beryl—"A good deal is thought of her singing." Sibyl—"It's merciful they don't put their thoughts into words."—Baltimore Herald.

She—"Did you say he was a lady-killer?" He—"Well, he tried to be. I saw him out rowing with one, and he tried to rock the boat."—Yonkers Statesman.

The Satisfaction He Got.—Irate Passenger—"You've carried me twice as far as I wanted to go!" Street Car Conductor—"That will be another fare, please."—Columbus Journal.

Mrs. Newbridge—"Here, poor man, are some biscuits I made myself." Wary Willie—"Sorry, lady, I dassen't eat 'em. The cop would pinch me for carryin' concealed weapons."—Indianapolis News.

He thrust the sealed letter through the window and put down two cents. "Well, what do you want?" asked the stamp clerk, stiffly. "An automobile, please," he replied, sweetly, being sometimes inclined to facetiousness.—Automobile Magazine.

Something of a Storm.—Stranger—"The cornfields here are all in a terrible condition. Been having a hail-storm, haven't you?" Farmer Wayback—"Wall, I dunno. Some folks say it was hail, but my opinion is it was icebergs."—N. Y. Weekly.

Times Were Changed.—Clara (to her old chum)—"And that horrid Jones boy that used to pester you with his love-making—does he worry you as much as ever?" Ethel—"Well, hardly, you see, we're married now."—Baltimore News.

Bergen—"Yes, sir; I only paid \$10 for this suit. Why, I could tell anybody I paid \$40 for it and he'd believe it. Don't you think so?" Sharpe—"Well—er—perhaps so, provided you told him over the telephone."—Philadelphia Press.

RACIAL FEUDS IN HUNGARY.

Magyars Attempt to Dominate Though They Are Largely in the Minority.

There have been signs of late that racial rivalries are likely to cause nearly as much trouble to Hungary as they have caused to the Austrian half of the dual monarchy, states a London paper.

Hitherto the Magyars, though they only form 45 per cent. of the population, have contrived to maintain with an iron hand their predominance over the Slav nationalities, who form 28 per cent. of the population, the Roumanians, who form 15 per cent. of the population, and the Germans, who form 12 per cent. of the total population.

The existing franchise gives the Magyars a degree of political power altogether disproportionate to their numerical strength, and both the administration of the country and popular education have been Magyarized through and through.

Recently there have been several indications that the other nationalities of Hungary will not submit quietly any longer to hold a subordinate position.

There was an angry scene in the Hungarian chamber of deputies recently, when M. Pavlovic, a Slav member, admitted that he had scolded and named several Croatian children in his constituency because they sung Magyar national songs.

In Transylvania the German newspapers have been full of articles in which the predominant Magyars were bitterly denounced and two German journalists have each been sentenced to six months' imprisonment for "inciting the people to hatred of the Hungarian state."

The law, it will be noticed, is administered by Magyars, who interpret the term "Hungarian state" as meaning their own nationality. A Magyar who abuses the Slavs or Roumanians would never be convicted for inciting to hatred of the Hungarian state.

These and other similar incidents augur trouble in the future. The Arbeiter Zeitung ever fears that racial feuds in Hungary will become far fiercer and more passionate than they have ever been in Austria.

Foiled Again.

"Villain," said the blonde and petite heroine resolutely, for she had at last pierced his disguise and knew that she must pass him up effectually or live unhappily ever after, "you are a wolf in sheep's clothing."

"Bah!" said the villain. But this attempt to prove himself a sheep did not land, for the heroine, being a stage heroine, was not born yesterday or even 23 years from yesterday, and she knew a villain when she saw one. Consequently the hero came for her in the fifth act, the audience hissed the villain off the stage, and the curtain fell on the union of two hearts that beat as one.—Portland Oregonian.

Our Latent Nomad Instinct.

In our work we get further and further away from the earliest types of civilization, but in our play we come at times very near to prehistoric life. Our picnics are an attempt to satisfy our latent nomad instinct, our games and races are a symbol of the fierce struggle for existence which was a very real-literal conflict in those far-off days, but has been modernized under the name of trade competition. And our love of shooting and fishing and hunting has no doubt been inherited from those who long ago hunted, not for pleasure, but for dinner.—People's Friend.

Mammoth Wine Cooler.

The biggest wine cooler is at Windsor and belongs to the king. It was made for George IV., and two men could sit in it with ease.—London News.

Not in His Line.

"Your husband must be very versatile," said Mrs. Oldcastle, as they passed from the magnificent picture gallery into the splendid library of the new neighbors.

"No," her hostess replied; "I can't say that for Josiah. He writes a good, plain hand, and is one of the grammatical men I ever knew, but he ain't a bit versatile. He tried to write two verses on Marguerite's birthday once, and put in nearly three days at it, but they didn't turn out well, so he ain't tried anything in that line since. Still, I'm not sorry, because as far as I can hear, these poets don't amount to much, anyway. Josiah's cut out for a business man, and I guess it ain't very common for a person to have much of an idea of business and be versatile."—Chicago Record-Herald.

Why He Rejoiced.

Daughter—Papa seemed in an unusually good humor this morning when he started down town. Mother—My goodness! That reminds me. I forgot to ask him for money.—Toledo Bee.

\$100.00 Cash Prize for a Name.

For the new Daily Limited-train to California to be placed in service November 1, 1902, by the Rock Island System and Southern Pacific Company, via the El Paso Short Line. The competition is open to the public and conditions involve no fees of any kind. For circular of instructions, address at once Jno. Sebastian, Passenger Traffic Manager, Rock Island System, Chicago.

Something Awful.

"Thar bein' nothin' to cultivate in the city," remarked the farmer, "of course you folks don't have no harvestin' time." "Well," replied the summer boarder, whose city home was next door to a cultivated and then we have a harrowing time."—Philadelphia Press.

Shake Into Your Shoes.

Allen's Foot-Ease. It cures painful, swollen, smarting, sweating, feet. Makes new shoes easy. Sold by all Druggists and Shoe stores. Don't accept any substitute. Sample FREE. Address A. S. Olmsted, Le Roy, N. Y.

Not to return a benefit is the greater sin, but not to confer it is the earlier.—Seneca.

Piso's Cure is the best medicine we ever used for all affections of the throat and lungs.—Wm. O. Endsley, Vanburen, Ind., Feb. 10, 1900.

It is better to miss being rich, than to make others poor.—Ran's Horn.

Stops the Cough.

Laxative Bromo Quinine Tablets. Price 25 cents.

WIVES OF GREAT MEN.

Fielding, the novelist, married a maid servant.

Sir Thomas More's wife scolded him on the eve of his execution.

Milton had troubles with both of his wives. Nor was his the monopoly of the martyrdom.

Coleridge left his wife and children without apology or farewell and never would see them again.

Catherine II. of Russia had her husband assassinated, and from his death to her own ruled alone—very much alone.

"Ben" Jonson's wife went to the inn after him if he stayed too long and brought him home, tongue lashing him all the way.

COULDN'T LIVE WITHOUT THEM

New York City, Aug. 18th.—Mr. Charles Back, of 64 Rue de la Victoire, Paris, France, relates a most interesting experience.

"Ever since I was about three years of age I have suffered severely with Kidney Disease.

"Last year I spent some time at the baths at Carlsbad, (Bohemia) but I came back after five weeks' treatment with a severe pain still in my Kidneys.

"My doctors in Paris and Hamburg could do nothing for me.

"I was obliged to start from Paris to Montreal, Canada, and when I arrived in the Canadian city I was half dead.

"I read an advertisement of Dodd's Kidney Pills in a newspaper there and began to use this remedy and after two days' treatment I felt that my pains were leaving me and in a week I had no pains at all.

"Dodd's Kidney Pills are the most wonderful remedy in the world. I keep them always with me, for I believe I could not live without them."

WEATHERWISE IS THE MAN WHO WEARS TOWER'S WATERPROOF OILED CLOTHING

A reputation extending over sixty-six years and our guarantee are back of every garment bearing the SIGN OF THE FISH. There are many imitations. Be sure of the name TOWER on the buttons. ON SALE EVERYWHERE.

A. J. TOWER CO. BOSTON, MASS.

HAZARD GUN POWDER

"If you use cartridges, be sure you use HAZARD BLACK OR GREY. If you miss what you shoot at, you may be sure the fault was not with the powder."

HAZARD GUN POWDER

We Will Send Postage Paid An Exact Reproduction of Teiler's Beautiful Painting

WOODWARD & COMPANY, GRAIN COMMISSION

CONSIGNMENTS AND ORDERS FOR FUTURE DELIVERY SOLICITED.

DON'T SUFFER

When You Can Buy a Bottle of

Mexican Mustang Liniment

For MAN OR BEAST

"I SUFFERED TERRIBLY WITH FEMALE WEAKNESS;"

SAYS MRS. ESTHER M. MILNER.

"I Had the Headache Continually—Could Not Do My Work—Pe-ru-na Cured."

Mrs. Esther M. Milner, De-Graft, Ohio, writes:

"I was a terrible sufferer from female weakness and had the headache continually. I was not able to do my housework for my husband and myself. I wrote you and described my condition as near as possible. You recommended Peruna. I took four bottles and was completely cured. I think Peruna a wonderful medicine and have recommended it to my friends with best results."

—Mrs. E. M. Milner.



MRS. ESTHER M. MILNER.

Miss Mamie Groth, Platteville, Wis., writes: "Accept a grateful girl's thanks for the wonderful help I have received through the use of Peruna. Although I looked well and strong I have for several years suffered with frequent headache and would for several days have splitting headaches. I did not wish to fill my system with poisonous drugs, and so when several of my friends advised me to take Peruna, I asked my physician what he thought of it. He recommended it and so I took it and am entirely without pain of any kind now."

—Miss Mamie Groth.

Dr. S. B. Hartman, President of The Hartman Sanitarium, has had over

fifty years experience in the treatment of female catarrhal diseases. He advises women free of charge. If you are suffering from any female derangement write him a description of your symptoms and he will give you the benefit of his experience in the treatment of women's diseases.

If you do not derive prompt and satisfactory results from the use of Peruna, 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.

Impertinent Query.

He—Yes I'll admit that De Jones is a handsome fellow, but he's awfully conceited. She—Well, wouldn't you be conceited if you were handsome?—Chicago Daily News.

The Experienced Traveler

Is always to be found on the Famous Trains of the Famous North-Western Line, for he knows they are the most comfortable in every respect. The North-Western Limited is easily the peer of all other trains (running every night between Minneapolis, St. Paul and Chicago). For lowest rates and full information address T. W. Teasdale, Gen'l Pass. Agt., St. Paul, Minn.

What Did She Mean?

Flora—Yes, I sing in a church where they have an awfully small congregation. Dora—Then why don't you stop singing?—Philadelphia Bulletin.



DAINTY SUMMER GIRLS USE CUTICURA SOAP assisted by CUTICURA OINTMENT for preserving, purifying and beautifying the skin, scalp, hair, and hands, for irritations of the skin, heat rashes, tan, sunburn, bites and stings of insects, lameness and soreness incidental to outdoor sports, for sanative, antiseptic cleansing, and for all the purposes of the toilet, bath, and nursery.

Much that all should know about the skin, scalp, and hair is told in the circular with CUTICURA SOAP.

"Where to Hunt and Fish"

Is a question that is frequently asked by those who love fishing and hunting. This is also the name of a new, finely illustrated, very attractive book published by the NORTHERN PACIFIC RAILWAY that answers the question.

The finest hunting and fishing grounds are in the Northwest, the Northern Pacific reaches them, and the book shows where and how.

Live game illustrations are the feature of the book, and four of them are from drawings by Ernest Thompson-Seton. Send six cents for the book to

CHAS. S. FEE,
Gen'l Pass. Agt., St. Paul Minn.

"THE FISH GIRLS" Artistically Mounted. Upon Receipt of Thirty Cents in Postage Stamps. Address

WOODWARD & COMPANY, GRAIN COMMISSION

MINNEAPOLIS, MINN.

CONSIGNMENTS AND ORDERS FOR FUTURE DELIVERY SOLICITED.

PILES ANAKESIS gives relief and POSITIVE CURE IN ALL CASES. For free sample address "ANAKESIS," Tribune Building, New York.

A. N. K.—G 1931

PISO'S CURE FOR COUGHS WHERE ALL ELSE FAILS. Best Cough Syrup. Tastes Good. Use in Time. Sold by Druggists.

CONSUMPTION