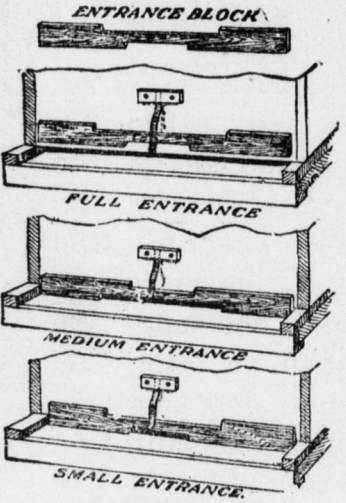


POULTRY AND BEES

TRY IT ON YOUR HIVE.

An Entrance-Contractor Which Will Not Blow Away.

I use a bottom-board with $\frac{3}{4}$ inch cleats on the front, tapering down to $\frac{1}{2}$ at the back of the board, making an entrance $\frac{3}{4}$ by the width of the hive. This size is used on good colonies for June, July and August, and also for the winter months while



How it is Put On.

In cellar, writes A. Tien of Falmouth, Mich., in Bee Culture. When I wish to contract the entrance I use a notched stick held in position in front of the hive by a super spring. This is fitted between two small blocks 5-16 by $\frac{3}{4}$ by $2\frac{1}{2}$, fastened to the hive with two screws which hold the spring firmly. This entrance-block is cut out on one edge $\frac{3}{4}$ by $4\frac{1}{2}$, on the other edge $\frac{3}{4}$ by 8. This is similar to the plan of E. H. Clare, p. 235, although I use one spring and one block which will stay in position. Neither wind nor chickens can remove it.

A $\frac{3}{4}$ entrance suits me well in summer, and for cellar wintering; and in fall or spring it can be changed in an instant without hunting for entrance-blocks.

CULLING IMPORTANT.

Prof. Orf, Kansas Experiment Station, Urges Thorough Work.

Not all poultry keepers cull their flocks closely enough. The best results come from careful culling. Prof. Orf of the Kansas experiment station emphasizes the matter thus:

Any chicken that is not paying for its food in growth or in egg production is a source of loss. As soon as the hatching season is over old roosters should be sent to the market. Market all hens two years or more of age. Send with these all the yearling hens that appear fat and lazy. By the time the young pullets are ready to be moved into quarters these hens should be reduced to about one-half the original number. Some time later a final culling of the old stock should be made. Those that have not yet begun to molt should be sold, as they will not be laying again before the warm days of the following February. This system of culling will leave the best portion of the yearling hens, which, together with the early-hatched pullets, will make a profitable flock of layers.

Many farmers practice no intelligent culling of their chickens, but allow old hens, together with runty pullets and scrub cockerels, to consume the food and occupy the room that should be used for the workers of the flock. A small number of the best chickens will pay more profit than a house crowded full of everything raised. It has been repeatedly demonstrated that pullets are more profitable than older hens, but as yearling hens are considered better breeders and better sitters it is well to keep a few of them through their second winter.

The pullets in permanent quarters should be well fed, and if they have been hatched at the proper season will begin laying during the fall months. As the weather turns cold and rains set in, the pullets should be confined to the houses and given careful treatment, for an outbreak of roup may result.

Producers of pure-bred poultry should exercise great caution in keeping their stock pure by not allowing cockerels to run with their hens too late a period before eggs are used for hatching purposes. Very little care is taken in this line on the farm where a farmer has more than spoiled one pure breed of poultry.

Make Them Jump for It.

To promote exercise of the fowls in cold weather hang up about three feet high in the henhouse or some dry shed pieces of meat, turnip, sugar beets, cabbage and like feeds for them to pick at. In this way they will not partake of too much of the feed and will get needed exercise on cold days.

Keep Them Busy.

Do not let the hens get in the habit of standing around all day doing nothing. When they do this it is an indication that they are too fat, diseased or fed in such a manner that they do not have to work for it. Activity and egg-laying go together. Either make the hens be active or keep ones that naturally are active.

FEEDING FOR EGGS.

Study the Flock and Avoid Overfeeding as Well as Underfeeding.

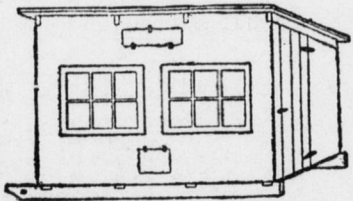
With eggs at 33 cents a dozen, and the grocer predicting 40, every poultry breeder is anxiously asking what he can feed to secure eggs. "I feed my hens so and so. I keep them free from lice, I almost live with them, and don't get an egg," complains one. "Our eggs cost us from fifty to seventy-five cents a dozen," says another, outlining a method of feeding which surely should bring results if anything could. The trouble is few people begin early enough to feed for eggs. Strong, healthy hens will lay on a very badly balanced ration, sometimes with poor housing and apparently little care. The reason is because they are vigorous, because they are sufficiently strong to digest and assimilate enough food to produce eggs. A hen might come from the very best laying strain, she might be fed an abundance of egg-forming material, but if she has not the ability to digest her food she will never be a valuable layer.

The best ration and the cheapest ration is the ration which brings us the greatest number of eggs and keeps our hens in the best condition. Chickens require a liberal diet in cold weather; too often they are fed enough to keep up the animal heat, but not enough to produce eggs as well. Hence a perfectly healthy flock may be a flock of poor layers. Whether the hens are not laying because they have not the digestion to assimilate their food and turn it into eggs, or whether they are not laying because they have not the surplus material for eggs, is a point the owner must decide for himself. Well hatched, well raised hens will always lay if they have abundance of food and abundance of fresh air. How they are fed is important, but equal importance should be attached to how they are bred.

A GOOD COLONY HOUSE.

Style of Building Which is Not Expensive and is Portable.

During the dull season our local lumber dealer and his assistant built some portable colony poultry houses as follows, writes an Indiana correspondent of Orange Judd Farmer: The frame is securely bolted to the sills



Portable Colony House.

which are made sled-runner style. The walls are made from closely-fitted tongue and groove drop-siding. The floors are tight, and the ventilators covered with screen wire to keep out rats, weasels, etc.; the cover of roofing felt. Each house is painted. The size is 6 by 8 feet; 6 feet high in front and 4 at the back. They cost me \$15 each for all material and work. Very likely they could be built for less in places where lumber is cheaper.

EGG MANAGEMENT.

Ration Which One Farmer Finds Effective with His Flock.

I have found no better egg ration than wheat and oats in the bundle for forenoon and principal feed, with corn late in the afternoon, writes a South Dakotan, in Orange Judd Farmer. A good, warm, well-seasoned mash of some kind on cold mornings three or four times a week is greatly relished, particularly if mixed with milk. The grain should be kept in the bundle and be fully three-fourths wheat. A little millet is excellent fed in the straw. I save much labor and other expense by feeding hens, sheep and other stock their grain in the bundle. Early cut corn and oats fed this way to stock give satisfactory results with me.

A steeply slanting floor in a henhouse can be kept dry and clean much easier than a level one. Feed bundle grain on the upper end, and straw and anything else will be scratched to the lower end, where there should be a small door to throw it out. The hens, if good, live ones, will sometimes scratch it out themselves. A floor 20 feet long should be at least 18 inches higher at one end than the other. Earth, gravel or cinders make a much better floor than boards.

With these surroundings, and the birds and feed described, with plenty of fresh water and green food, and a little fresh meat now and then, it is not a difficult thing to get both pleasure and profit from a large flock of poultry.

CAKLES.

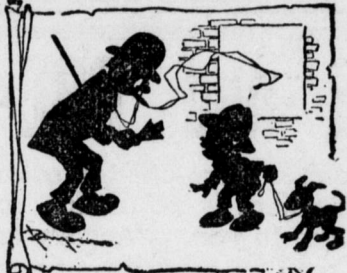
Poultry products were never higher in price than they are today, and many farmers this year have begun to realize that poultry will yield them more profit than any other stock on the farm.

Pure-bred poultry pays, and it is none too early now to begin to select breeders for next season. Sell off all old males to prevent harmful inbreeding, and secure the very best new ones.

If your chickens are mixed and you wish to grow one kind only it will be well to build house and yard early this winter for confining the pure stock during the breeding season.

Keep the poultry house dry, light and clean. It has been found that chickens can stand considerable cold and do well if all other conditions are favorable.

FACT VERIFIED.



Kid—Say, mister, got change fer five dollars?

Kind Gentleman—Yes, my boy; here it is.

Kid—Thanks, boss; I just wanted to see it. I'd kinder got to thinkin' dere wasn't dat much money in circulation!

ECZEMA ALL OVER HIM.

No Night's Rest for a Year and Limit of His Endurance Seemed Near—Owes Recovery to Cuticura.

"My son Clyde was almost completely covered with eczema. Physicians treated him for nearly a year without helping him any. His head, face, and neck were covered with large scabs which he would rub until they fell off. Then blood and matter would run out and that would be worse. Friends coming to see him said that if he got well he would be disgraced for life. When it seemed as if he could possibly stand it no longer, I used some Cuticura Soap, Cuticura Ointment, and Cuticura Resolvent. That was the first night for nearly a year that he slept. In the morning there was a great change for the better. In about six weeks he was perfectly well. Our leading physician recommends Cuticura for eczema. Mrs. Algy Cockburn, Shiloh, O., June 11, 1907."

He Explained It.

"As long ago as when King Solomon lived," said Representative Gaines of Tennessee, "there were men who darkened counsel by words without knowledge. Some men make a simple thing unintelligible by an effort to define it."

"I once heard a Sunday school teacher who told the children that he would give them a summary of the morning's lesson. A bright little lad asked the teacher what was the meaning of 'summary'."

"Oh, my boy," answered the teacher, "by summary is meant—er, meant—er, yes—summary is an abbreviated synopsis of anything."

Schools for Missionaries.

The immense Northfield schools and colleges for the training of missionaries and preachers were erected out of the profits derived from the sale of Moody and Sankey's "Sacred Songs and Solos." Miss Ada Ellen Bayly ("Edna Loyal") built St. Peter's church, Eastbourne, England, with part of the money she received from "Donovan" and "We Two." She also presented a fine peal of bells to the neighboring church of St. Saviour and christened them after the heroes of her books—Erie, Hugo and Donovan.

STATE OF OHIO CITY OF TOLEDO, Lucas County.

FRANK J. CHENEY makes oath that he is senior partner of the firm of F. J. CHENEY & CO., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of CATARRH that cannot be cured by the use of HALL'S CATARRH CURE.

The Family Skeleton.

Visitor—By George! But you've added a great many beautiful volumes to your library since I was here last. Must cost something, old man? Mr. Meeker—On the level, Bill, I'm on the verge of bankruptcy buying souvenir post card albums and book-case sections to hold them.—Puck.

Important to Mothers.

Examine carefully every bottle of CASTORIA a safe and sure remedy for infants and children, and see that it bears the Signature of *Wm. A. Platt* in Use For Over 30 Years. The Kind You Have Always Bought.

Love Was Bold.

"When poverty knocked at the door I presume love flew out of the window?" "Not this time. Love stayed and wrote a book entitled 'How to Live on Nothing a Year.'"

There Has Recently Been Placed

In all the drug stores an aromatic, pleasant herb cure for woman's ills, called Mother Gray's AUSTRALIAN LEAF. It is the only certain regulator. Quickly relieves female weakness and Backache, Kidney, Bladder and Urinary troubles. At all Drug stores or by mail 50 cts. Sample FREE. Address, The Mother Gray Co., Le Roy, N. Y.

Waiting for a Bisc.

"Have you sold your alship yet?" "No; I'm holding it for a rise."—Cleveland Plain Dealer.

A VARIETY OF EXPEDIENTS.

Little Sinner Was Providing for Future Emergencies.

Muriel, a five-year-old subject of King Edward VII., has been thought by her parents too young to feel the weight of the rod, and has been ruled by moral suasion alone. But when, the other day, she achieved disobedience three times in five minutes, more vigorous measures were called for, and her mother took an ivory paper-knife from the table and struck her smartly across her little bare legs. Muriel looked astounded. Her mother explained the reason for the blow. Muriel thought deeply for a moment. Then, turning toward the door with a grave and disapproving countenance, she announced in her clear little English voice: "I'm going up-stairs to tell God about that paper-knife. And I shall tell Jesus. And if that doesn't do, I shall put flannel on my legs!"—Everybody's Magazine.

ABOUT THE LADY DOLPHINS.

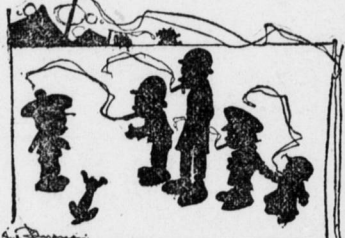
Child's Inquiry Natural, Perhaps, to One of Her Sex.

A theatrical manager at the Players' club said of the school of classical dancing that Miss Isadora Duncan conducts:

"Miss Duncan hears some quaint remarks as she converses with her child pupils. One day, preparatory to the first lesson in a dolphin dance, she delivered to her class a little lecture on this fish. She described the grace of the dolphin, and afterward she described its habits and mode of life.

"And, children," she said, "a single dolphin will have 2,000 offspring." "A little girl gave a start." "And how about the married ones?" she gasped."

LOVE'S SACRIFICE.



"Wat's de matter, Reginald, have youse sworn off smokin'?" "Yes, you see, I'm engaged now, and my fiancée objects to a disagreeable breath."

Another Crop Coming.

Louie is the brightest youngster in the South side. If you doubt this ask Louie's father. According to the same authority Louie's mother consented to the sacrifice of his curls recently and he was taken to the nearest barber shop. He was left unguarded while the deed was being committed and the horrid barber—just think of the poor mother's feelings—used the clippers. So when Louie's father returned for him the boy proudly exhibited a hairless poll for his inspection.

"Well," exclaimed the father, "he didn't leave much." "No," chirped Louie, "but it'll grow out again all right, 'cause he left the seeds in."—Kansas City Times.

Disease Damages Tea Crops.

A curious disease which has done much damage to the tea crops of northeast India is known as "red rust." An account of the species of alga (Cepaleuros virescens), which causes it, is given by C. M. Hutchinson in the "Memoirs of the Agricultural Department of India." It attacks the leaves and stems of the tea plant, forming yellow patches. It is propagated by two kinds of spores, one carried by water and the other by air.

Needed Them in His Business.

"What with whooping cough, measles and all that," began the first traveler, "children are a great care; but they are blessings sometimes—"

"Certainly they are," interrupted the second traveler. "I don't know how we should get along without them." "Ah, you're a family man, too?" "No; a doctor."—Stray Stories.

All Conventions Observed.

Wife (suspiciously)—Who is this Kitty you and your friends talk about at your club? Is it proper for a young woman to call there?

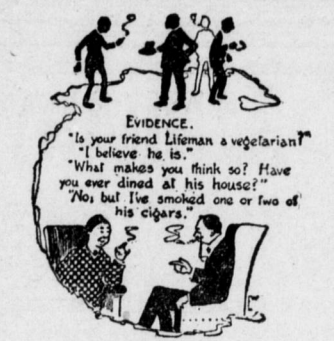
Husband (innocently)—Perfectly proper, my dear. There is an "ante" there to chaperone this Kitty.

It's awfully hard for a crooked man

to keep in the straight path.

Those Tired, Aching Feet of Yours need Allen's Foot-Powder. See if your Druggist's Write A. S. Olmsted, Le Roy, N. Y., for sample.

Sober second thoughts are always best for a toper.



EVIDENCE. "Is your friend Lifeman a vegetarian?" "I believe he is."

"What makes you think so? Have you ever dined at his house?" "No, but he smoked one or two of his cigars."

Must Have Meant Him. "I wish I knew," said Cholly Saphead, "if I have any show of winning Miss Roxie Swellman."

"Well," answered Miss Peppery, "from a remark of hers I think you're her choice."

"Aw, really? What did she say?" "She said nobody was good enough to be her husband."



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"The thing which most impressed us was the magnitude of the country that is available for agricultural purposes."—National Editorial Correspondence, 1908.

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