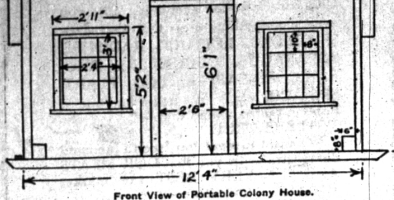


Portable Colony Houses

By J. O. LINTON, Instructor in Poultry Husbandry, Michigan Agricultural College



Front View of Portable Colony House.

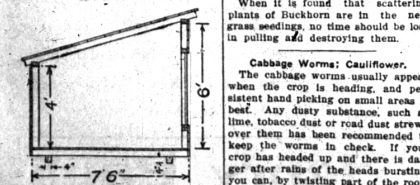
The use of the portable colony house has rapidly come into favor for farmers and commercial poultry raisers, not only as a building for laying chickens but through its other valuable uses. Such a house need not be expensive, but should be solid to allow for handling and moving from ground to ground, subject to severe handling in turning and placing. The portable colony house should not be so large that it can be moved with any good team, and can be drawn through the ordinary farm gates to meadows or orchard where they are to be located.

There are many different uses for the colony house, some of which may be divided up for the different ages. In the early spring they may be used as brooding houses, being equipped with boys or having in them indoor brooders. In the latter part of the season the brooder and the run of the remaining space, being entirely under cover from the severe weather, and allowing the poultryman to raise early chicks; or the house may be divided into two or more compartments and hens may be given chicks, which gives the same advantages of being under cover during the cold or stormy weather and still have room for exercising and getting openings for each compartment small parks may be made which will keep the birds separate to insure best advantages in growing the young stock, but will allow the birds the run of the outdoor quarters during the pleasant days. If the birds are of one breed there may not be the need to keep them separate for long, and they may be allowed the run of any desired area as they have a keen sense of location and will return to their own quarters.

As the season advances the chicks can be without boys or hens. The chicks may learn to perch in the houses ten or twelve inches from the floor so that the chicks may learn to perch as the natural tendency seems to be to seek high places for night this is very easily learned by most birds or fowls. The chicks may be raised on the floor of the heavier breeds as the Brahmas or Cochins, birds will not need to be taught to accommodate themselves to the new conditions.

The growing chicks will need some attention to insure best results during the time they are on the range. They should always be supplied with fresh, clean water and should have grain and mash food to bring them into good strong maturity for fall business. As there will always be surplus cockerels in the flock, these may be separated just before the house is hauled to the range, which will leave the pullets and a few cockerels to care for. The surplus may be marketed at the age of eight to twelve weeks, when, as a rule, they are good and the birds have reached a desirable size.

For the feeding of mash to the birds on range hoppers may be used which will hold food enough for a week or ten days without refilling. By this system not much time is required of an attendant to scatter grain and provide fresh water for the birds each day. If there happens to be running water near the range this will supply the need, and in an exceptionally busy season the birds can be supplied with water in a hopper or dispenser. A small quantity of extra food other than that which they pick about the meadow or field. If later in the season oats or wheat have been cut, and the field is not to be used immediately, houses may be drawn to a location where the birds can pick up the seeds and grain, which saves a great deal of feeding and prevents loss which otherwise might occur. If the flocks are large enough so that laying houses are provided when the birds are returned to these houses in the fall the colony coops may be abandoned entirely on next season, or they may be used



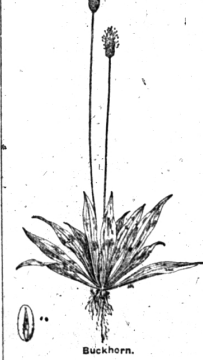
End View of Portable Colony House.

for storage rooms, hospital coops, or for the mating of small breeding pens when it is desired to separate them from the regular range. There are many different styles of these houses and the individual may have chosen in style of construction. A pattern of portable house is being given very good satisfaction at the Michigan Agricultural College is one which is made at a total cost of about \$25, including labor and paint, and which will accommodate from 100 to 150 of the little chicks at the start, 100 growing chicks on range, and flocks of ten or fifteen birds in laying quarters. The house is 7 1/2 feet wide and may be made eight feet, it is built on runners four inches square, it being desirable to make these runners of some material which will be lasting and preferably will wear hard and smooth by the hauling. These runners extend lengthwise of the building and for convenience of hauling may be set in eight or ten inches from the edge of the building, although this feature is very objectionable from the fact that little chicks invariably get under the houses, causing a great deal of trouble and making it necessary to add extra blocking for the prevention of this.

BUCKHORN

By R. J. BALDWIN, Michigan Agricultural College

Many farmers who have had to buy imported clover and grass seeds will find new weeds appearing in the fields.



Buckhorn.

Among the most common weeds obtained in this way is Buckhorn. The accompanying cut will give an idea of the appearance of the weed. The leaves are lance-shaped and they grow in a rosette much like those of the dandelion. A characteristic of the Buckhorn is the tall, slender flower stalks, which shoot up from the center of the rosette of leaves for a foot or more. Buckhorn is a perennial which spreads only by seeds. It is a bad weed in the clover meadow, but is not to be feared on cultivated ground or in pastures.

When it is found that scattering plants of Buckhorn are in the new grass seedings, no time should be lost in pulling and destroying them.

Cabbage Worms; Cauliflower. The cabbage worm usually appears when the crop is heading, and persistent hand picking on small areas is best. Any dusty substance, such as kerosene, or road dust strewn over them has been recommended to keep the worms in check. If your crop has headed up and there is danger of the coming of the new line, you can, by twisting part of the roots loose, stop growth somewhat and keep the cabbage in good shape a week or two longer. Cauliflower should have the large leaves knicked in or tied over the flower as soon as the latter shows a distinct white color, or a leaf may be broken off and laid over the flower to keep out excessive light and cause the delicate white bleaching so much desired and admired in a cauliflower. As the cauliflower plants are somewhat more tender than cabbage, I usually wait until after April 1, or about two weeks after the first cabbage is set, before planting them out.

Money in Hog.

No stock upon the farm is more quickly turned to money than the hog.

TOO STRENUOUS A JOB

MOSQUITO EXTERMINATOR HAS HAD ENOUGH.

Recently Went Through Experience That It Must Be Admitted Was Calculated to Discourage Almost Any One.

Charles F. Stauder, marshal of Verona, N. J., is also chief mosquito exterminator of that city. It is his duty to hunt out the breeding places of the vicious rapier that made New Jersey famous and deluge their larvae with kerosene oil. The life of the chief mosquito exterminator has been a weary's course met with an experience that confines him to his bed under the case of a chronic ailment.

The chief exterminator and his able assistant, Thomas Brennan, set out to visit some marshy land at the head of Verona lake. As the chief exterminator stood upon a bog pouring oil upon the hatchery of a flock of mosquitoes his foot slipped and into the mire went the marshal.

Before Brennan could grasp him the chief exterminator had sunk to his armpits. Brennan tried to help him, but he fell back from the bog, and with a frantic yank at his chief's coat collar, he, too, slipped and joined his companion in the mire.

Hughie was called for instant aid. He qualified for the Olympic team in his sprint up the road to David Slack's place. David felt forth in his motor car with the motor running.

Slackback, with Hughie's aid, dragged Brennan from the bog. For almost two hours Brennan and Slackback were busy trying to close his eyes and murmur, "Farewell, poor world," when Slackback was struck with a brilliant idea. He fastened one end of the rope under the chief exterminator's arms. The other end was tossed over the branch of a nearby tree and then tied to the rear of the motor car.

Slackback took his seat in the car and grasped the starting lever. He can raise it and Slackback put on full power ahead. It was a hard pull. The chief exterminator almost fell, but up into the air he floated, his body dangling test box and blue sky, dripping cold and words of anguish.

As far as the chief exterminator is concerned, all the mosquitoes in Jersey can go to blazes. He said so himself, only his yerbage was more strenuous.

The Graduate. Observe the noble girl who has completed her college education. Her eyes are not her dimpled chin resting in the hollow of her white palm, gazing out into the future with thoughtful eyes. What problems may she now be solving?

What mighty movements for the uplifting of the race may she be planning?

Back of her are the years of study and application. The great minds of those who have given her of their best. All that science and philosophy can call from the universe of mind and matter is hers.

There is a hopeful gleam, a confident light in her eyes. She speaks:

"Some of those back numbers at home will sit up and take notice when I get off the train in this new pioneer skirt suit of mine!"

Not Ashamed of Cowardice. The idea that nothing is so disgraceful as cowardice is one that is held by all races. As the Bedouins a sheik may be the leader of his tribe only in peace. When there is war, the champion is the one who will relinquish his leadership to the fighting sheik.

"I have not the gift of courage," one said as Arab chief to an Englishman, apologizing for not putting himself at the head of a band that he had sent to attack another tribe.

The Englishman, looking at these nomads esteem personal bravery as a gift, for the want of which a man is no more to be censured than he is to be blamed for not being handsome.

A Bengali says, without the least sense of shame, "I am timid." Yet he will not shrink even when he is approached in the form of the bagman, with the composure of a martyr.—Illustrated Sunday Magazine.

Would Not Consider Diaper. J. C. Stubbs, the Southern Pacific official, hasn't a great deal of patience with amblers and those uniformed in the railroad game, and he is said to have told this story to illustrate the "ambler" of an incipient railroad magnate.

When the stock holders of the Valley railroad were meeting in 1893 to get into the construction of the new line matters of detail were taken up among them, for even the smallest stockholder wanted a finger in the construction.

At one meeting a director who had to do with the engineering problems of construction asked, "How heavy shall the hub plates be?" A stock holder growled, "What are we bothering with the dining car?" "The hub plates, let's go ahead and build the road first."

A Proliferate Anecdotes. Eva said as she saw a noble gown, made of her usual gill flays. "Why don't you make a costume of those beautiful violets?" Inquired Adam. "Poor wash goods," declared Eva. "You know how violets shrink!"

SPLENDID OUTLOOK FOR CROPS IN WESTERN CANADA

RELIABLE INFORMATION FROM THE GRAIN FIELDS SHOW THAT THE PROSPECTS ARE GOOD.

This is the time of year when considerable activity is felt in all the northern agricultural districts as to the probable outcome of the growing season. The central Canada, comprising the Provinces of Manitoba, Saskatchewan and Alberta, with their 1,350,000 acres of wheat, of which 6,000,000 acres may be said to be sown to wheat alone, has become a great factor in the grain market of the world. This year, government returns show that every state in the Union has representatives in these provinces, and nations have been proven of temperance meeting. The place was full of water bugs.

Advantage. Stella—Has that summer resort any view? Bella—Er—no, but it is close to the moonlight.

No thoughtful person uses liquid blue. It's a pinch of blue in a large bottle of water. Ask for Red Cross Ball Blue, the blue that's all blue.

Women waste a lot of powder when the enemy isn't in sight.

TEMPERANCE MEETING.



First Beetle—What kind of a meeting was that at the Oak hall last night? Second Beetle—Must have been a temperance meeting. The place was full of water bugs.

Stella—Has that summer resort any view? Bella—Er—no, but it is close to the moonlight.

No thoughtful person uses liquid blue. It's a pinch of blue in a large bottle of water. Ask for Red Cross Ball Blue, the blue that's all blue.

Women waste a lot of powder when the enemy isn't in sight.

Excellent Plan.

"I see," said Mrs. De Jones, while Mrs. Van Tyle was calling, "that you have a Chinese haircut. Do you find him satisfactory?" "He's perfectly fine," said Mrs. Van Tyle. "To begin with, his yellow complexion is such that at the end of a long, dusty ride he doesn't show any signs, and then when I am out in my hair, his hair is so clean and so soft through a little hole in the plate-glass window and I use it as a sort of ball rope to tell him where to stop."—Harper's Weekly.

The Paxton Toilet Co. of Boston, Mass., will send a large trial box of Paxline Antiseptic, a delightful cleansing and germicidal toilet preparation, to any woman, free, upon request.

Keeping Mice From Pianos. To prevent mice entering pianos there has been invented a simple sliding plate to be mounted on a pedal so that it covers its opening.

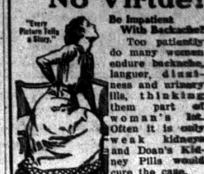
Stop the Pain. The hurt of a burn or a cut stops when Cole's Carbolicum is applied. It heals quickly, relieves pain, cures wind colic, is a drugstore, for free pamphlet write to W. Cole & Co., 115 Olive St., Wash., D. C.

An Epigram. It isn't every woman who will make you a good wife who will make you a good husband!—Strap.

Mrs. Winslow's Soothing Syrup for Children teething softens the gums, reduces inflammation, allays pain, cures wind colic, is a drugstore for the prompt relief of Asthma and Hay Fever. Ask your druggist for it. Write for FREE SAMPLE, NORTHERN ALYMAN CO., LUDLOW, WYO.

The Cheerful Color. Give—Do you ever get the blues? Sneeze—Not if I have the blue green.

Patience Is No Virtue!



Be Impatient With Backaches! Too patiently do many women endure backaches, languor, dizziness and nervousness. Often it is only weak kidneys and Dr. Doan's Kidney Pills would cure the case.

An Iowa Case Mrs. J. Hunt, 108 4th St., Fairfield, Iowa, writes: "For years I have suffered from kidney trouble. I had many bad headaches and my eyes were sore and my limbs became so swollen that I could not walk. Doan's Kidney Pills cured me after everything else had failed. I can now do my usual work and feel much better than I did for many months."

Get Doan's at Any Drug Store, 50c a Box. **Doan's Kidney Pills**

DR. J. D. KELLOGG'S ASTHMA

Remedy for the prompt relief of Asthma and Hay Fever. Ask your druggist for it. Write for FREE SAMPLE, NORTHERN ALYMAN CO., LUDLOW, WYO.

W. N. U. DETROIT, NO. 30-1022.

Save the Babies.

INFANT MORTALITY is something frightful. We can hardly realize that of all the children born in civilized countries, twenty-two per cent, or nearly one-quarter, die before they reach one year; thirty-seven per cent, or more than one-third, before they are five, and one-half before they are fifteen!

We do not hesitate to say that a timely use of Castoria would save a majority of these precious lives. Neither do we hesitate to say that many of these infantile deaths are occasioned by the use of narcotic preparations. Drops, tinctures and soothing syrups sold for children's complaints contain more or less opium, or morphine. They are, in considerable quantities, deadly poisons! In any quantity they stupefy, retard circulation and lead to congestions, sickness, death. Castoria operates exactly the reverse, but you must see that it bears the signature of Chas. H. Fletcher. Castoria causes the blood to circulate properly, opens the pores of the skin and allays fever.

Letters from Prominent Physicians addressed to Chas. H. Fletcher.

Dr. A. F. Fowler, of St. Louis, Mo., says: "I have prescribed your Castoria in many cases and have always found it an efficient and powerful drug for the relief of children's ailments. I have used it in the treatment of children's complaints."

Dr. William C. Bloomer, of Cleveland, Ohio, says: "In my practice I am glad to recommend your Castoria, knowing it is perfectly harmless and always satisfactory."

Dr. E. Down, of Philadelphia, Pa., says: "I have prescribed your Castoria in my practice for many years with great satisfaction to myself and benefit to my patients."

Dr. Edward Parrish, of Brooklyn, N. Y., says: "I have used your Castoria in my own household with good results, and have advised several patients to use it for its mild laxative effect and freedom from harm."

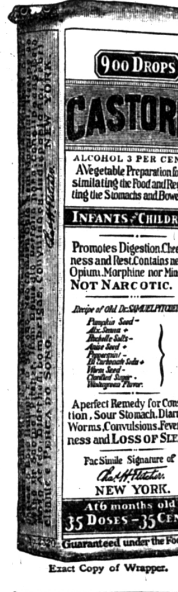
Dr. J. B. Elliott, of New York City, says: "Having during the past six years prescribed your Castoria for infantile stomach disorders, I most heartily commend its use. The formula contains nothing deleterious to the most delicate children."

Dr. C. G. Sprague, of Omaha, Neb., says: "Your Castoria is an ideal medicine for children, and I frequently prescribe it. While I do not advocate the indiscriminate use of proprietary medicines, yet Castoria is an exception for conditions which arise in the care of children."

Dr. S. A. Fitch, of Kansas City, Mo., says: "Your Castoria holds the esteem of the medical profession in a manner held by no other proprietary preparation. It is a sure and reliable medicine for infants and children. In fact, it is the universal household remedy for infantile ailments."

Dr. H. P. Merrill, of Augusta, Me., says: "Castoria is one of the very few and most remarkable remedies for infants and children. In my opinion your Castoria has saved thousands from an early grave. I can furnish hundreds of testimonials from this locality as to its efficiency and merits."

GENUINE CASTORIA ALWAYS Bears the Signature of **Chas. H. Fletcher** The Kind You Have Always Bought In Use For Over 30 Years.



In Wages or Profit

health, sooner or later, shows its value. No man can expect to go very far or very fast toward success—no woman either—who suffers from the headaches, the sour stomach and poor digestion, the unpleasant breath and the good-for-nothing feelings which result from constipation and biliousness. But just learn for yourself what a difference will be made by a few doses of

BEECHAM'S PILLS

Tested through three generations—favorably known the world over for its perfect vegetable and always efficient family remedy is universally accepted as the best preventive or corrective of disorders of the organs of digestion. Beecham's Pills regulate the bowels, stir the liver to natural activity—enable you to eat the nourishment and blood-making qualities from your food. As sure as you try them you will know that—in your looks and in your increased vigor—Beecham's Pills

Pay Big Dividends

The directions with every box are very valuable—especially to women. Sold everywhere. In boxes 10c, 25c.

Henkel's Bread Flour

Choice Grain from the fields of Minnesota and the Dakotas contribute to its quality. Expert Millers, who spare no pains or expense, superintend the work that takes every unwholly particle from the wheat and produces this rich, creamy flour. Three generations of housewives have attested the goodness of this wonderful flour. Surely Economy and Cleanliness are both served in transporting wheat (not flour) from these distant northwestern wheat fields. Ask for Henkel's BREAD Flour.

Henkel's Cornmeal—Henkel's Graham Flour—Henkel's Prepared Pancake Flour