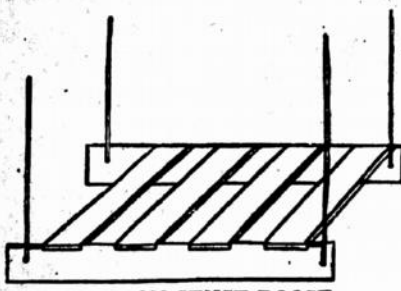


POULTRY & BEES

LABOR-SAVING ROOSTS.

One Can Walk All Around Them and Reach Almost Any Fowl on the Perch with Ease.

My poultry roosts are made of three six-inch boards. For a 12-foot building they should be ten feet long to admit passage around it. Bore holes in each end for No. 9 fence wire as a support. Fasten wire to rafter and then pass the other end through hole in roost plank, first placing the board at any desirable height from floor to suit the



COMMON SENSE ROOST.

flock. The two outside boards should be notched one by two inches and 12 inches apart. Having notched two boards and placed at height wanted, about seven feet apart, take good roofing lath, one by two inches, about eight feet long, and lay crosswise in notches. This will make a swinging-roost, but fowls will soon get used to it and seem to delight in a swing. This roost one can walk all around and reach almost any fowl on the perch. Look for lice where lath cross the boards; kill them with coal oil. Lath should be slightly rounded on top. Such a roost will accommodate 80 fowls if necessary to place as many together and all are on a level.—D. E. Shields, in Farm and Home.

WORKING AMONG BEES.

When One Is Provided with the Necessary Tools It Is Not as Dangerous as Many Suppose.

Every farmer who keeps bees should provide himself with a bee veil that fits over the hat and is secured under the suspenders inside the coat or vest. The hands and wrists may be protected by wearing mitts without fingers, says Fannie M. Wood, in the N. E. Homestead. When one does not wear boots the pants may be tucked inside the stocking leg; a nervous man would not care about the bees creeping inside the pants. A good bee smoker is indispensable. Dry rotten wood, that will crush easily in the hands, makes plenty of smoke without much heat and never goes out. Rubber cloths are useful. They are made of coarse linen or burlap, take up water easily, and are large enough to lap two or three in over and over the sides and ends of the top edges of the hive. Wet and wring them out before using; they will lie down smooth and close. When I take the cover off a hive or super, one of these wet cloths is laid on quickly. If any of the bees are next to it they will quickly get from under. It retains the warmth of the bees, can be turned back as much as needed to take out a frame or more without disturbing the rest of the bees. In changing supers it keeps all the bees in their places, out of the way of the operator. If smoked when wet and laid on the top of the hive the scent of the smoke will cause the bees to fill up on honey and they will be submissive. The farm beekeeper should have one or more feeders. They are inexpensive and come handy when necessary to feed the bees.

Actual Experience Counts.
The poultry business is as much a trade as anything else, and must be studied and practiced. Would a man expect to go into the carpenter trade without studying it and expect to build a house successfully without first having learned the important principles? Yet a novice will go into the poultry business and expect to succeed by the knowledge he has acquired from others—secondhand. Now, this second-hand knowledge is good, very good, but it must be made available by actual experience, just as the young carpenter must learn by actually working at his business with his hands.—Farmers' Review.

Eggs Wasted by Overfeeding.
The man who feeds three times a day, and gives the hens so much kindness that they will not scratch for work, but sit down and wait for him to come around at the regular hour, simply wastes time, labor and food. What is more, he wastes eggs, for such hens lay but few eggs, because they are in a fat condition. Of course, hens should not be poor in flesh, but there is no need of feeding them more than they actually require. Eggs are costly luxuries when the hens do not lay regularly, and nine-tenths of the failures are due to overfeeding.—The Poultry Keeper.

Poultry House in Summer.
One important matter in summer is that the poultry house in which fowls roost should be well ventilated. The house should also be frequently white-washed and the ground kept free from droppings. The perches should never be high—about one or two feet from the ground being sufficient—as in flying either up or down, if put too high, some are sure to injure themselves sooner or later. Use flat, open pans for the water, and not only see that it is fresh at least once a day, but take care that the receptacles are as free from dirt as the water itself.—Farm and Fireside.

IMPROVING THE FLOCK.

How to Introduce New Blood Without Going to an Unnecessarily Heavy Expense.

In buying new blood one needs to use judgment. For instance, if one intends buying cockerels they should be purchased early in the fall, when poultry breeders have a surplus of male birds and can sell cockerels for grading purposes very reasonable, says a writer in the Poultry Herald. Then, if one has a large flock of common hens and does not intend to separate them in the breeding season, enough cockerels can be purchased to mate with the entire flock, for if there are any mixed roosters kept in the flock there is more liability of the hens mating with them than the strange males. As an example, a case just recently brought to our attention where a farmer bought two pure-bred males to run with his farm flock and kept also two of his own roosters in the flock. His two males fought the pure-bred ones so that they would not stay among the hens.

In a case like that there would be very few of the chicks sired by the pure-bred cockerels, whereas, if he had bought four cockerels of a pure breed and killed off all of his males every chick he raised would be half pure blood, and in that way he would have been improving his flock and getting value for his money investment in the pure-bred males. As if he gets nothing whatever from them unless it is the satisfaction of buying them and having them on the farm.

Every farmer or poultry raiser should have a place where he can separate a few of his best hens for breeding purposes (in most cases seven or eight hens will lay all the eggs wanted for hatching purposes) and then only one male is needed, and the keeper can afford to buy one of the better quality and make more rapid progress in the improvement of the flock.

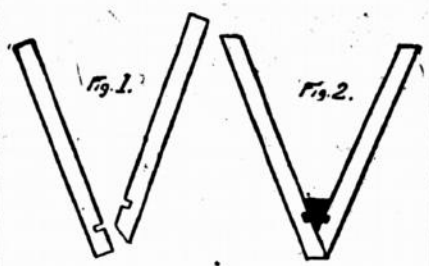
Some people, however, do not take interest enough to separate the flock for breeding purposes. In such cases it will pay best to buy a setting or two of eggs and raise the pure-bred cockerels, as one is pretty sure to get a nice lot of cockerels, and in most cases more than is needed, when he can often sell for more than the cost of the eggs the surplus cockerels and pullets to some one who desires to raise pure-bred fowls.

MAKING A GUTTER.

If You Follow the Plan Here Outlined You Will Have One That Is Absolutely Tight.

Take two boards and fit them for nailing together. Near the lower edge of each run the matching plane and cut channels, as shown in the cross section at Fig. 1.

When the two boards are nailed to-



HOW TO MAKE A GUTTER.

gether fill the bottom with cement, as shown in Fig. 2. This will make a tight joint, and the cement will not come out. When putting the boards together care should be taken that the nails, or screws, are put in in such a way that the joint may not readily open. Then the cement will keep the joint watertight.—N. Y. Tribune.

BUZZINGS FROM BEEDOM.

Extracted honey will lose flavor quicker than honey left longer on the hives.

If the queen bee is clipped or kept in the hive by an entrance guard, the workers will kill her. Clipped wings will not prevent swarms from going to the woods. Neither will entrance guards prevent it.

Grafting or inoculating larvae in the queen cells was practiced first by a German apiarist, Meuring, in 1866. He was first, also, to use comb foundation. Moth eggs call for sulphur or bisulphide of carbon. The sulphur will not kill the eggs, but the bisulphide will. Either will be effective after the moth passes the egg stage.

Alfalfa, alsike and buckwheat may be considered standard crops for bees. Sweet clover is also a good crop for honey. These crops are valuable for forage, and this ought to increase their planting. Surely, every farmer, who has a number of colonies of bees, will find these crops double yielders, giving both honey for the bees and forage or grain for other uses.—Ella Henson, in N. Y. Farmer.

No apiarist has yet come to earth who can make his sections average just a pound of honey. Last season I weighed every section I sold, and not a single one in all the number weighed just a pound. They are sized to average a pound in weight, but the bees do not care for accuracy in this matter. When they get through with a section they leave it, whether the unfilled cells are one, or five, or 20.—Rural World.

Boy's Essay on the Hen.

A hen is an animal made by the Creator of the universe, which is covered with feathers, and has a bill. The hen stands on two feet, except when she is tired, and then she stands on one, and eats corn with her bill. When the hen sits, she sits down to lay, and when she lays down she lays down to set. The hen's eggs are good to eat unless they have been set on.—American Fancier.

MINNESOTA NEWS.

Miraculous Escape.

Lightning played "Home, Sweet Home" with variations on the electric connections at the home of Louis L. Dunn, in Minneapolis. The front of the building was wrecked, and every carpet in the house ripped up. All electric wiring was burned out, and the bells fell to the floor, while the telephone box went up in smoke.

Forty people were in the house when it was struck, and that none of them were killed is miraculous. A recital was being given by Miss Anna O'Dowd, a sister of Mrs. Dunn. All of Miss O'Dowd's pupils had gathered for the occasion.

Mr. Dunn and Mr. Gleason attacked the conflagration with bed quilts, and subdued the flames in the lower part of the house. Then, proceeding to the attic, they had a hard fight, because the fire there had gained good headway. Fifteen minutes from the time the lightning struck all danger from fire was past.

The appearance of the house inside was chaotic. A checker board which lay on the floor among the children was shattered into splinters. The bolt seemed to have dodged between the occupants of the apartments to do its work.

Crop Bulletin.

There were rains nearly every day of the week. The rains came in very heavy showers, and generally accompanied by lightning and thunder. In Nobles, Murray and Redwood counties there were tornadoic conditions on the morning of the 11th, with violent winds, covering small areas, and causing considerable loss to town and country buildings. In other parts of the southern half of the state there was hail at scattered points, which was very large in size, but fortunately in small amounts; but the only crop injury seems to have been in Big Stone county, where many corn fields were seriously injured. With seasonable temperatures and abundant moisture, all the small grains are doing splendidly; late sown flax and barley, and those seeded on spring plowed land, are coming up and growing nicely.

Grasshoppers.

Prof. E. B. Forbes has temporarily taken charge of the department of entomology at the state college of agriculture at St. Anthony Park, and is now at work in the Red River valley exterminating grasshoppers, having taken up the work where Prof. Luggar left it at his death. According to a letter received by Dean Liggett, of the agricultural college, from Prof. Forbes grasshoppers are infesting that part of the state in large numbers. The work of exterminating the pests with the famous "hopper dosers," the method used by Prof. Luggar, is being successfully carried out and will lessen the bad results this year. It is feared that unless all fields are carefully and thoroughly plowed this fall there will be great destruction of crops in the northwest next year.

Strange Drowning.

By the overturning of a boat in Snail lake, St. Paul, Thomas P. Cronin and Louisa Ellwanger were thrown into the water. Cronin started to swim to shore and asked the woman to cling to him, assuring her that they would be safe. Miss Ellwanger, however, clung to the boat and was later rescued by three boys. Cronin was caught in the mud and drowned. There was no part of the lake where the water was more than four feet deep. Cronin was an employee at the St. Paul Foundry and Machine Works.

Corner Stone Laid.

The laying of the cornerstone of the Norwegian seminary at St. Anthony Park was the occasion for an outpouring of the Norwegians of the Twin Cities. The delegates to the convention attended in force. When the cornerstone was laid fully 4,000 persons were on the seminary ground. Nearly all of the officers of the United Church were seated on the platform during the ceremonies, and the service was in charge of Rev. T. Tjornhom, of Fergus Falls.

Wound Up.

The affairs of the American Mining and investment company will be wound up by Albert H. Hall, who was appointed receiver by an order of Judge Pond, and who furnished a bond in the sum of \$5,000 for the faithful performance of his duties. This company has occupied an elegant suite of rooms in Minneapolis for some time and was exploiting stock in the Kettle Curlew and other alleged gold mines in the northwest.

News in Brief.

The total enrollment in the Minneapolis schools the past year was 37,539, a gain of 1,373 over the figures for the previous year.

A 6-year-old son of Frank Meyer was drowned in the river at Hastings by falling from a skiff.

H. A. Winslow, one of the best known horsemen in the northwest, died in Minneapolis from an accidental overdose of morphine.

Mrs. Bertha Schilling was sentenced to 2½ years at Stillwater for the murder of Hazel Murphy in the Columbia theater brawl in Minneapolis.

The office force of the Oliver Mining company has been moved bodily from Pittsburgh to Duluth.

For the fortnight ending June 17, 590 new cases of smallpox were reported to the state board of health. Secretary Bracken says that the disease is increasing, and this is due to lax methods in various districts.

The special election at Pine Island on the question of issuing bonds for waterworks and extension was voted down—75 to 47.

Bishop Cotter, of Winona, who has been sick at Rochester, is now out of danger.

THOUSANDS OF MILES AWAY.

New Zealand's crown lands are now disposed of for 990 years.

The Jewish population of London has more than doubled within 20 years.

The population of the German empire includes 3,000,000 who use the Polish language.

Germany and Holland are planning to lay a new cable to connect with the Dutch East Indies.

Berlin has 30,000 dogs. The tax is \$2.50, but officers and those who use dogs as draught animals pay no tax.

It is estimated that the cost of restoring the papal palace at Avignon, France, would be about \$1,400,000.

The British foreign office reports that 98 per cent. of the slaves of Zanzibar and Pemba prefer to remain slaves.

After the model of the Rowton houses in London, Milan will soon have an Albergo popolare, with room for 450 men. It will have electric lights, baths, clean linen, reading-room, etc., and the cost will be only ten cents a day per person.

AMBROSE M'KAY'S CASE.

Rockbridge, Mo., June 24th:—The neighborhood and particularly the members of Rockbridge Lodge, No. 435, A. F. & A. M., are feeling very much pleased over the recovery of Mr. Ambrose McKay, a prominent citizen and an honored member of the Masonic Fraternity.

Mr. McKay had been suffering for years with Diabetes and Rheumatism, which recently threatened to end his days. His limbs were so filled with pain that he could not sleep. He was very bad.

Just then, someone suggested a new remedy—Dodd's Kidney Pills—which has been much advertised recently, as a cure for Bright's Disease, Diabetes, Dropsy, Rheumatism and Kidney Trouble.

After Mr. McKay had used a few doses, he commenced to improve. His pain all left him, and he is almost as well as ever. He says Dodd's Kidney Pills are worth more than they cost. They are certainly getting a great reputation in Missouri, and many very startling cures are being reported.

CHICAGO CRUDE OIL COMPANY

OF CALIFORNIA. Organized December, 1900.

CAPITAL STOCK, - \$1,000,000.

This company owns in fee 160 Acres of Oil Producing land in the heart of the famous KERN RIVER DISTRICT. We have three wells

Now Pumping 1,000 Barrels Daily And Earning 6 Per Cent. on Entire Capital Stock.

Will have 8 wells completed by July 1st earning 15 per cent. and will have 17 wells pumping by January 1st, 1902, earning 48 per cent. on par value of the stock and warranting

2 PER CENT. MONTHLY DIVIDENDS BY OCTOBER 1st, 1901.

Every acre has proven to be oil producing. One well will be put down to the acre, thus increasing the earning capacity of the stock annually, making the purchase of the stock an ABSOLUTELY SAFE INVESTMENT. NO RISK OF LOSS. CERTAINTY OF LARGE PROFITS.

Only a limited amount of the stock is unsold and is offered to the public at

ONE DOLLAR PER SHARE.

25 Cents Cash on Subscription. 25 Cents July 20, 1901.

25 Cents August 20, 1901. 25 Cents September 20, 1901.

The names of the officers and directors are a guarantee of honest and conservative management.

C. A. Campbell (largest Producer of Oil in California), of Los Angeles, Cal., President.

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P. H. Buck (largest Producer of Oil in Northern California), Secretary.

F. A. Stratton, State Senator and Collector of the Port of San Francisco.

G. E. Wendling, President Wendling Lumber Co., San Francisco, Cal.

H. M. McIntosh (President Producers' Dispatch and Director Mexican Petroleum Co., Mexico), Chicago.

Send for full information and prospectus giving statement of the condition of the company to date. Subscriptions received in amounts from 25 shares to 1,000 shares.

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INVESTIGATE AND YOU WILL INVEST.



He thinks he lives, but he's a dead one. No person is really alive whose liver is dead. During the winter most people spend nearly all their time in warm, stuffy houses or offices or workshops. Many don't get as much exercise as they ought, and everybody knows that people gain weight in winter. As a rule it is not sound weight, but means a lot of flabby fat and useless, rotting matter staying in the body when it ought to have been driven out. But the liver was overburdened, deadened—stopped work. There you are, with a dead liver, and right now is the time for resurrection. Wake up the dead! Get all the filth out of your system, and get ready for the summer's trials with clean, clear blood, body, brain free from bile. Force is dangerous and destructive unless used in a gentle persuasive way, and the right plan is to give new strength to the muscular walls of the bowels, and stir up the liver to new life and work with CASCARETS, the great spring cleaner, disinfectant and bowel tonic. Get a 50c box to-day—a whole month's treatment—and see how quickly you will be

BROUGHT BACK TO NEW LIFE BY
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LIVER TONIC
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ALL DRUGGISTS.
CURE all bowel troubles, appendicitis, biliousness, bad breath, bad blood, wind on the stomach, bloated bowels, foul mouth, headache, indigestion, pimples, pains after eating, liver trouble, sallow complexion and dizziness. When your bowels don't move regularly you are getting sick. No matter what ailment you are suffering from, start taking CASCARETS to-day, for you will never get well and be well all the time until you put your bowels right. Take our advice, start with CASCARETS to-day, under an absolute guarantee to cure or money refunded.

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NEVER SOLD IN BULK.
GUARANTEED
TO CURE: Five years ago the first box of CASCARETS was sold. Now it is over six million boxes a year. Greater than any similar medicine in the world. This is absolute proof of its value. We have faith and will sell CASCARETS absolutely guaranteed to cure or money refunded. Go buy today, two 50c boxes, give them a fair trial, as per simple directions, and if you are not satisfied, after using one 50c box, return the unused 50c box and the empty box to us by mail, or the druggist from whom you purchased it, and get your money back for both boxes. Take our advice—no matter what ailment you are suffering from, start taking CASCARETS to-day, under an absolute guarantee to cure or money refunded. Address: STERLING REMEDY CO., NEW YORK OR CHICAGO.

The New Bicycle.

Bicycle manufacturers state that the bicycle for this year will be practically the same model as 1900, as improvement seems to be impossible. Precisely the same is true of Hostetter's Stomach Bitters. It represents the limits of science, and it is impossible to make a better medicine for the stomach, liver, kidneys and blood. Try it for dyspepsia, indigestion, constipation, flatulence, or sour stomach, and you will be convinced. Never take a substitute.

He Stopped His Paper.

"Sir!" exclaimed the oldest citizen, as he walked into the business office of the daily paper, "I see in your sheet of to-day, sir, an article to which I take exceptions, and I want my paper stopped, sir! And when James F. Anderson says stop, sir, he means stop, sir!"

"Phil," wearily murmured the circulation manager, "go out and tell Bobb! stop th' press an' lock up; ol' man Anderson has quit us!"—Denver Times.

GEORGE WASHINGTON'S QUEUE.
It Had a Luxuriant Suit of Straight and Very Dark Hair.
The Father of his Country concealed a luxuriant suit of hair beneath his queue wig. Many now wish the old fashion wig in vogue, to conceal thinned hair or baldness. Yet no one need have thin hair nor be bald, if he cure the dandruff that causes both. Dandruff cannot be cured by scouring the scalp, because it is a germ disease, and the germ has to be killed. Newbro's Hair Eucalypti kills the dandruff germ—no other hair preparation will. "Destroy the cause, you remove the effect." There's no cure for dandruff but to kill the germ.

Social Training.

Miss Gottrichwick—Please, sir, is this a training school?
Principal—It is.
"Please, sir, I wish to learn how to eat olives."—Columbus (O.) State Journal.

Do Your Feet Ache and Burn?
Shake into your shoes, Allen's Foot-Ease, a powder for the feet. It makes tight or New Shoes Feel Easy Cures Corns, Itching, Swollen, Hot, Callous, Smarting, Sore and Sweating Feet. All Druggists and Shoe Stores sell it, 25c. Sample sent FREE. Address, Allen S. Olmsted, Le Roy, N. Y.

Her Luck.

The Illinois woman who called her husband a jackass and then got mad because he called her his better half does not seem to know such a thing as justice.—Denver Times.

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.

Don't say you work like a slave; slaves do not work very hard.—Atchison Globe.

Charity's argument is short, but it has a long reach.—Chicago Daily News.

WHY MRS. PINKHAM

Is Able to Help Sick Women When Doctors Fail.

How gladly would men fly to woman's aid did they but understand a woman's feelings, trials, sensibilities, and peculiar organic disturbances.

Those things are known only to women, and the aid a man would give is not at his command.

To treat a case properly it is necessary to know all about it, and full information, many times, cannot be given by a woman to her family physician.



MRS. G. H. CHAFFELL.

alcian. She cannot bring herself to tell everything, and the physician is at a constant disadvantage. This is why, for the past twenty-five years, thousands of women have been confiding their troubles to Mrs. Pinkham, and whose advice has brought happiness and health to countless women in the United States.

Mrs. Chappell, of Grant Park, Ill., whose portrait we publish, advises all suffering women to seek Mrs. Pinkham's advice and use Lydia E. Pinkham's Vegetable Compound, as they cured her of inflammation of the ovaries and womb; she, therefore, speaks from knowledge, and her experience ought to give others confidence. Mrs. Pinkham's address is Lynn, Mass., and her advice is absolutely free.

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If you take up your home in Western Canada, the land of plenty, illustrated pamphlets, giving experiences of farmers who have become wealthy in growing wheat, reports of delegates, and full information as to reduced railway rates can be had on application to the Undersecretary, who will mail you a complete pamphlet, etc. Free of cost. F. FIDLEY, Agent of Immigration, Ottawa, Canada; B. DAVIES, 1844 E. Third Street, St. Paul, Minn.; T. O. CURRIE, Box 24 Milwaukee Wis.

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If you have a daughter send for a CATALOGUE.

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1871

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