

Address communications to Agronomist, 73 Adelaide St. West, Toronto

TAKING CARE OF THE HONEY et in a maker of tests completed during the past few years on the Domini of the Proposition of the Pr Ripened honey in containers ready for market will keep better in a cold, dry place. Section honey should be stored in a well-ventilated room where

or by improper feeding.

The ducklings may become

How We Co-Operated in Cutting Corn

BY S. K. STEVENS.

increase was not sufficiently large to man to bring on his engine, he flatly compensate for the increased cost of the ration.

The sum of the increased cost of the refused to do so at any price. We were now in a bad position as our corn the ration.

The results further indicate that it was fast losing value by lying on the ground, and there seemed to be no

dry place. Section honey should be stored in a well-ventilated room where the temperature is high and constant or moisture will condense on the cappings and be absorbed.—C. B. Gooderham, Dominion Apiarist.

These results further indicate that it is not economical to add as much as ground, and there seemed to be no way of getting an engine.

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These results agree in principle way of getting an engine.

I ran my car out of the garage and went to another one of my neighbors organic supplements increase the adaptive contains the supplementation of the capping and there seemed to be no way of getting an engine. IN HOPPERS TO HOGS.

Also that it is not usually economical that afternoon we hastened to the a single year and then disappears, for hog feeding has been demonstrated or 6 per cent. of the meal ration.

The value of organic supplements to supply these much in excess of 5 nearest dealer and found that he had for the property of the supplements of the sup osuly purchased. It was obvious that the engine was the solution of our

useful in that way, but we realized a neat profit on our investment by grinding our neighbors' feed.

As for the wood-saw, we cut our

As for the wood-saw, we cut our winter wood quickly and easily and if any of our neighbors wish any cut, we are in a position to do it easily and quickly.

# pillars Threatening.

cial Entomologist. Usually an insect of this kind is troublesome only for lately, there are strong indications that there will be another outbreak of BY HARRY M. LAMON.

Mature ducks and geese are practically free from disease. There is a certain amount of loss among the old stock but as a rule more on account of disease. Occasionally they vide against these pests.

The engine was the solution of our problem and we purchased it on halves at once. The next day I brought it home and we started in cutting corn and in a few days the job was done.

Now we save every year the \$50 or \$60 formerly spent for getting our ensilage cut.

The caterpillar in August this year and also, perhaps, of a closely related one which is covered with black and yellow hairs instead of with yellow hairs alone. Fruit growers and others should examine their trees from time to time to see if there are ensilage cut.

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## MAKING AN OLD KITCHEN NEW

BY DORIS W. McCRAY.

Samples of flooring, including oiled tember and early October there was an outbreak of a pale, yellowish, hairy caterpillar which attacked and defoliated many apple orchards and defoliated many apple orchards and caused much concern to apple grow-pressure. We many apple orchards and caused much concern to apple grow-pressure. We many apple orchards and into the grain of the wood, using much they have been copied by the home in cheese output. The carpenter is used and it is rubbed well from \$35 to \$46, and in some cases ince which did not record an increase of the whole did not into the grain of the wood, using much pressure. Women who had different carpenter. A hole two and floors told of their advantages and disadvantages, lineleum was in favor place in which to keep milk. A winds the easiest to clean and the pretion of the part of winter, the box being attached to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to the sill so that when the window is raised the food can be put into it to canadian butter is going in volume to canadian butter i

THE CHILDREN'S

land Reds. On an average we get

We now have about fifteen hens set-

ting, so we do not get as many eggs as at first.

KITCHEN ARRANGEMENT DISCUSSED.

There was more truth than poetry in the humorous cartoon showing the woman in an old-fashioned, kitchen, walking several rods during the making of an apple pie. At our meeting a kitchen plan was shown and the lines of travel traced which the owner would walk during the preparation of meals. The plan was then re-arranged by means of a few changes which would save many hours of work and miles of travel during the year. We then adjourned to our hostess' kitchen and watched her make a pot of coffee, walking just eight steps, while our specialist told how in the old kitchen of her girlhood home, she had walked eighty steps in performing the same task, while a little thought in arrangement of materials would have saved the same task, while a little thought in arrangement of materials would have saved to the same task, while a little thought in arrangement of materials would have saved to the same task, while a little thought in arrangement of materials would have saved to the same task, while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in arrangement of materials would have saved to the same task while a little thought in a time and steps. The advantages of tea carts, wheel trays, and tables on castors were discussed. Our hostess explained the advantages of her kitchen to the pound mark with 1,850,000 and 1,811,-535 lbs. respectively.

recent years a very remarkable and refrigerator, high stool, comfortable chair, dish drainer, gasoline iron, carpet sweeper, vacuum cleaner, wheel tray, power washer, electric iron, mop writiger, fiseless cooker, pressure cook-

### Poultry Manure for the

sold enough ducks to bring \$60, all of as an absorbent.—A. H. which I put in the bank and it is there yet. I mean to leave it there

The next time you have trouble

there yet. I mean to leave it there and to put more with it.

We had some ducks to eat. I think ducks are better than chicken to eat. The last fourteen ducks I gave to my mother to pay for the feed I used feeding my ducks. I fed the little ducks bread or johnnycake in milk until I got them started, then I gave them a wet feed of corn meal, bran and middlings, with a little meat scrap mixed in. I keep them closed in small pens on hot days and let them out in the evenings when the sun wasn't so hot for them.—David S.

The best money-making stunt that I ever had was a share in an acro of cucumber pickles. I know that there is money in them for I have tried in the evening with them a contract of the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the evening with the cucumber pickles. I know that there is money in them for I have tried in the cucumber pickles. I know that there is money in them for I have tried in the cucumber pickles. I know that there is money in them for I have tried in the cucumber pickles. I know that there is money in them for I have tried in the cucumber pickles. I know that there is money in them for I have tried in the cucumber pickles. I know that there is money in them for I have tried in the cucumber pickles. I know that there is money in them for I have tried in the cucumber to the force and participation to a concrete to thom a courted to the feeding plan and I think you will be as well pleased with it is a

Dairy Development in Canada

The other day a group of women affiler, paint, and varnish makes a good substitute for linoleum.

Water and Shade.

Animals suffer greatly from the cheat. We are busy in the summer of regular meeting.

Our specialist, sent by the Women's by hand.

The other day a group of women affiler, paint, and varnish makes a good substitute for linoleum.

Mop-wringers then came up for discussion and it was remarked that one never sees a janitor wringing a mop by hand.

Our specialist, sent by the Women's by hand. crease of over 8 per cent, and cheese There was more truth than poetry cent. Since 1915 there has been an

plained the advantages of her kitchen which she planned just as she wanted it when they built the house a few years ago. It is a most convenient kitchen for a country home.

We then filled out questionnaires which set us thinking about our own kitchens. The questions concerned water supply, light, ventilation, floor and wall finishes, kind of fuel, storage space, equipment and floor plan. Questions about equipment were worded something like this: "Do you have a refrigerator, high stool, comfortable re, dumb waiter?"

Iceless refrigerators, those which lower into a holo beneath the cellar floor, were favored, since they would also serve as dumb waiters for carry.

teen years in use which had been given this care and it was in fine condition. After the figures have worn off the printed linoleum, two coats of paint and one of varnish were advised.

| Canadian butter is going in volume to practically every country with which were talked over, and I am sure every one of us the Deminion carries on an export trade, chief among them being the paint and one of varnish were advised. ish Honduras, British West Indies them. There are many more tnings China, Cuba, France, Hong Kong, to make money, but I take pickles for Japan, Newfoundland, St. Pierre and old stock but as a rule more on account of disease. Occasionally they become ruptured but rarely if every free from disease. Occasionally they get egg bound. They are practically free from lise and other pests.

The engine and cutter did not statisfy and every precaution should be taken of the min the best of health. Prevention of disease should be taken to keep them in the best of fowls.

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Prevention of disease should be taken to keep them in the best of fowls.

Prevention of disease carried and other countries. In the caterpillars present. The caterpillars pres mine. Here is my reason for liking Miquelon and other countries. In the

I think it is well for children who I canadian butter in the countries of I thought this a good way to earn money, so I started cut.

My duties are as follows: In the morning I give them feed, water, and open the nests. At night I give them feed, water, and open the nests. At night I give them how to raise a special thing and open the nests. About every two days I make them a mash which I put in the least of the countries of the Orient. Canada's exports of cheese are voluminous, going in substantial quantities to United States, United Kingdom, Belgium: Bermuda, British the nests. About every two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make them a mash which I put in the very two days I make the can are the classical form. You was a very large the money from the Orient. Canada's exports of cheese are voluminous, going in substantial quantities to United States, United Kingdom, Belgium: Bermuda, British South Africa, British be ours if we take care of them. You self-feeders.

We have about 100 hens. Some do not grow, you don't have to bother With Leghorns and some Rhode Is- with them.—Martin L.

Sweden, and other countries. The to-tal expuort trade in the last fiscal year amounted to 1,167,770 pounds valued at \$23,426,282, of which the

We now have about fifteen hens setting, so we do not get as many eggs as at first.

On an average I get about eighty cents each week. From this I put tencents in the bank each week for the Christmas Savings Club. I also put away that much at home.

I keep enough on hand to buy my pencils and tablets for school, and to give at Sunday School.

I enjoy doing this work very much—Marjorie J.

Last year my mother gave me four ducks and a drake and told me I could do whatever I pleased with them, so I saved all the eggs and set them as fast as I got enough to set. I hatched 104 of them and raised ninety-five. I sold enough ducks to bring \$60, all of which I put in the bank and it is From the standpoint of growing area.

# DISEASES OF DUCKS AND GEESE

are correct and that feed used is absolutely sweet and clean, and like scrap if you expect geese to do well wise the houses and yards. The water Goslings sometimes contract an indishes must be kept clean and well fectious disease called goose septidishes must be kept clean and well fectious disease called goose septi-disinfected and the young birds have cemia which is similar to fowl disinfected and the young birds have cemia which is similar to fowl plenty of clean food if you want to cholera. There is no known remedy.

Maintain them in good health.

One of the most common diseases the balance of the flock to new ground that ducklings are subject to is gapes if possible. The houses, feed troughs or pneumonia: It is not the same as and drinking vessels which the birds gapes in chickens but a form of cold have been using should be thoroughly

gapes in chickens but a form of cold which approaches pneumonia. When the ducklings have contracted pneumonia they stand around, stretch their necks and gasp for breath. Both duck and geese feathers more than pay for the cost of picking and saving. The soft feathers should be when it has reached this stage they separated from the quills as there is die in a very short time. Occasionally mature ducks are affected. To prevent and cure this disease be sure that the brooding house and sleeping place so that they will dry out thoroughly. This process can be hastenthat the brooding conditions are correct. that the brooding conditions are correct.

Fits is another disease that attacks ducklings three or four days old. They simply keel over and die. It is undoubtedly caused from digestive troubles and can generally be prevented or stopped by feeding an abundance of green food. Diarrhoea is a common trouble among baby ducks often caused by their becoming overheated or chilled in the brooder or by improper feeding.

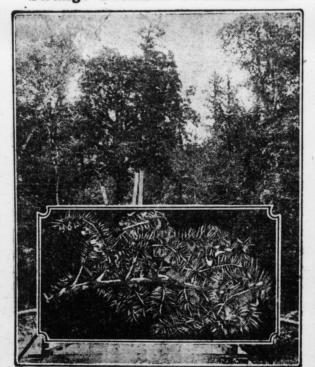
ed by stirring the feathers every few days. Failure to dry the feathers thoroughly will result in the bat horoughly will result in the bat horoughly will result in the bat horoughly will result in the pat horough

months old. By that time the ewes The ducklings may become lame and many of those affected die. The trouble is generally caused by feeding a poorly balanced ration, sour feed, overfeeding or damp pens.

Occasionally ducklings of the control of the lambs and it is better for both the lambs and ewes that they be separated. The breeding flock will have an opportunity to gain up in flesh and if the lambs are reported for gain up in flesh and if the Occasionally ducklings will have an watery discharge in the eye, caused by too much sloppy feed. Place the birds by themselves, correct the feed and bathe their eyes in some anti- different ends of the farm it will preseptic solution such as boracic acid and in a short time the condition will disappear.

and in a short time the condition will disappear.

Feather eating occurs generally in ducklings that are kept in crowded quarters. It starts when a bird is injured and the other birds, attracted by the blood, pick at it. Soon the habit spreads among the flock. This will spread through the whole flock, and place them with older birds, fit has not spread through the whole flock, and place them with older birds for the lambs after weaning. If this is cover or fresh spring seeding that has made good growth will make a good substitute. In the case of pureflock, and place them with older birds been kept for breeding purposes it fully feathered. This will generally been kept for breeding purposes it break the habit. Where it has become will be necessary to separate them quite general give them plenty of from the ewe lambs.



The most remarkable botanical discovery in recent times has been the overy a short time ago that the Douglas fir growing in certain pats of the dry belt of British Columbia yields a good sugar quite as palatable and much sweeter than cane or beet suger used on ordinary occasions in the households of the world.

The photo accompanying will tell better than words what it looks like Every year for centuries the Indians have gathered it, and the bears break down branches to get it; but until lately it has escaped the white man's attention. It contains nearly fifty per cent. of Melezitose, a rare trisaccarhide, formerly only obtained from a shrub in Persia. Francis Dickie.

# Strange Botanical Phenomenon