

Significant for the control of the state of the lives and received with the control of the lives and received and the lives and the lives and received and the lives and received and recei excess, if any, will be used for production, or in the case of a hen, for reproduction. We find that in the short winter days the hen he are allowing the birds to go to roost as he buys new.—W. F. Messenger.

Ine night lunch system consists of he has it, but still he is not sure, so he buys new.—W. F. Messenger.

Do you want so he buys new.—W. F. Messenger. reproduction. We find that in the short winter days the hen has a small amount of excess food to be used for production, due to the short feeding hours and the long hours of inactivity. The economics of artificial lighting reveals an increase in winter production which means an increase in eggs when the price is high. While a slight in excess of that amount.

The economics of artificial lighting reveals an increase in winter product when the price is high. While a slight increase can be expected in early production this is not great enough by the price are better than the production of the price is highly as the production of the price is highly the expected point of the price are better than the production of the price are better than the production of the price are better than the price are the price lights may be fastened to a rafter or joist. It is not necessary to drop the light closer than six or six and one half feet from the floor. A reflector will aid materially in lighting up the floor area. One gasoline lantern will illuminate a pen 18x20 quite efficiently.

Since lighting is essentially a feed in granteries it will be seen that it me. This is sometimes difficult in times. This is sometimes difficult in

must be very regular and never failing. This has led to the use of several automatic devices being invented, to turn the lights on and off. This is practical only where did not the seven that it mornings when the water freezes over night. If there is snow on the ground dump the water in the evening and fill the dishes with snow. This will practical only where electric lights give very g practical only where electric lights are available. Many large plants use the supplied a little later in the morning. Do not neglect the green feed and oyster shell.

LIGHTS IN SPRING. the original is rather high it is doubtless a good investment on a large plant an unhappy ending to a productive where many birds are being kept. We winter by turning the lights off to have, however, many simple homemade devices which rank with equal
satisfaction and at a much less cost.
It take from two to three weeks to
These usually consist of alarm clock
attachments. Possibly the simplest is,
down gradually a few minutes each
an ordinary tumble switch set out
from the wall. The alarm clock is then
15. We plan on having the lights off
by tarhing the ingits of two
whiter by turning the ingits of two
whiter by turning the ingits of
the suddenly in the spring. Any suddenly
the many two to three weeks to
day. This should be done about April
from the wall. The alarm clock is then
15. We plan on having the lights off
by turning the ingits of two
the suddenly in the spring. Any suddenly
the suddenly in the spring. Any suddenly in the spring. Any suddenly
the suddenly in the spring. Any suddenly

Storehouse or Junk Heap.

How I Feed Plants.

Do you want something with a kick as do grown-ups, and they are always

"You have a very pretty place here them. for your house," said Bruin, "and such

near neighbors." are old settlers around her Sammy Squirrel lives over there," said Rolly Rabbit, pointing to the north. "He is a good fellow and makes a fine neighbor. "Over there, pointing to the east, "is Willy Woodchuck's house;

and just beyond there is where Charlie Chipmunk lives."
"What a fine lot of neighbors," he "Yes, but it doesn't seem like home

Home Education

anxious to turn the tables on their with accounts, but he comes to me The state herd award for Holsteins playmates, and even big folks.

Here is a little surprise trick that coming with this cattle deal and that that breed representing Ontario. The

the next game.

WHY ROLLY RABBIT LIVES ALONE.

"This is surely a fine evening," said Bruin. "The cool air makes my bee stings feel much better. Those horrid bees! I'm afraid I shall run every time a see one now."

"Oh, they won't bether."

"It is gasoline.

All these little accounts mean more intelligent farming, with a complete knowledge of all branches of farm cost. The savings made have paid for my typewriter, book supplies, and fourth for A. L. Hulet on Jessie Ladoga Posch.

Among the Canadian Jersey winners were a first for B. H. Bull & Son on Brampton Bright Radiator; second for Haley & Lee on Belle Calamity Wayne; a third for Haley & Lee on Susie Teake Alban; fourth for A. L. Hulet on Jessie Ladoga Posch.

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"Oh, they won't bother you unless you molest them," replied Rolly Rabbit. "But when you do trouble them, they are saucy fellows."

Rolly had just brought a chair out on the porch alongside Bruin's. He had finished up the supper work and was ready to enjoy the evening with his guest and newly made friend.

his guest and newly made friend.

Sods for the Pigs.

Before it freezes up store a wagon load or two of good, tough, green sods away in the barn cellar, pit or shed. Such will be very useful to toss into the pig pens now and again during the winter months. The pigs need mineral matter and this is an easy, cheap and efficient way to give it to them.



playmates, and even big folks.

Here is a little surprise trick that you can fool your little friends with, and perhaps papa and mamma.

Let us call it hide-and-go-seek written be a little surprise trick that you can fool your little friends with, and perhaps papa and mamma.

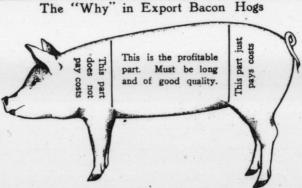
Let us call it hide-and-go-seek written be a little surprise of the province of Ontario. The best was added to the surprise of the show was added to the surprise of the show was added to the surprise of the surprise of the show was added to the surprise of the surp

In Ayrshires forty-two exhibitors competed for honors, and it was with-out doubt the biggest aggregation of quality that has ever been exhibited in the show ring of any exhibition not excluding Scotland. Canadian prize included the state herd, the senior and grand championship in females, the outstanding cow being Pal-merston Hyacinth 8th of E. C. Budge, Montreal, while Burnside Blossom Andrietta, the champion cow at To-ronto and Ottawa for R. R. Ness & onto and Ottawa for R. R. Solons, Howick, Quebec, was first in her lass. Other awards were a second for Farm of St. Sulpice, Oka. O. on Alta Crest Blackstone: third for S. J. Hamilton, St. Eustache, Oneboo

brows the switch over. I have seed several modifications of this same idea several modifications of the same idea several modifications of the same in the several modifications of the same idea several model modifications of the same into soldered, so that the example of the same into soldered, so that the example modifications of the same into soldered, so that the example modifications of the same into soldered, so that the example modifications of the same into soldered, so that the example modifications of the problem is to make indications of the same into soldered, so that the example modifications

times. This is sometimes difficult in

Many persons using lights have had



A "Wiltshire side" of bacon as exported is sold in one piece, shoulder, middle and ham. The diagram tells why Canadian hogs should be long-bodied. The best weight "Wiltshire side" is about 60 lbs.; this can be cut from a 200-lb. hog of "select" quality.

placed so the winding stem in turning by May 1. The early and late feeding inter-larded fat, or streaked bacon, letties in some breeds of swine on which any more," said Rolly with a sigh.

Fed to a heavy Duroc-Jersey or Poland-China the same feed becomes fat, ample, one definitely lard type and the I ask why?" questioned Bruin. Fed to a heavy Duroc-Jersey or Polard-China the same feed becomes fat, lard and grease. True, an excess of other approximating the bacon type.

"You look so sad, kind friend. May ample, one definitely lard type and the I ask why?" questioned Bruin.

"I do not like to bother others with