# **Efficient Farming**

from fields, bundles or stacks while the heat devils out. wet with recent rain, although dry before the rain came.

grain on top quickly dries out.

A weed can't reach down into your when they become gorged with blood soil without reaching down into your when they appear red. get busy and root them out.

ring, will serve nicely. A friction-top at the side of the cracks as a white metal can is better if the sample must powder. This is often the first indi-be shipped.

and send it off by parcel post or and sucking the blood. This results

When the inspector's certificate is greatly reduced production, received it will show the percentage Do not wait until you know mites of moisture contained in the grain. are present. At the Dominion Ex-Nobody can say that grain containing perimental Farms the roosts and ad-3 it should be looked upon with suspicion.

escape.

follows: reach across the bin. Place them side tion. side, on edge, four inches apart.

Turn the boards over, nail another of sulphur be added. However, there strip of screen wire on what was are always some birds in a flock that formerly the bottom, and add more will not use the bath, so it is safest cleats to hold the boards firmly apart. if lice are noticed, to treat each bird Make enough of these ventilators to individually. At the Central Experiplace one every three feet in the bin, mental Farm blue ointment is used, weak colony to defend its stores, it is

PREVENTING HEAT DAMAGE appears hot, the best thing to do TO GRAIN. to remove the grain promptly.

The first steps must be taken at the ticable method of conditioning gran, thre and that the time the grain is harvested. It must on the farm after it begins to heat, agree with them. Fattening takes about six weeks. be fully ripe and dry—ready to har-vest, in other words. Small grains are not safe to store if threshed before maturity, if ripen-ed prematurely and made tough by heavy dew or rain, or if threshed from fields hundles on stacks while

The first place to prevent heat damage is out on the farm, before the tion in the composition of this ration.

trier or probe. Borrow it from the problems on the poultry farm is the Male turkeys, adds the circular, do per grain dealer if possible. It is a long, control of external parasites. Of all not fatten so easily as females, nor hollow cylinder that may be inserted such pests that trouble poultry in is the meat so tender, but they be-D samples from various depths. Surface most troublesome. These are not red is one great desideratum in keeping stamples are worthless because the in color as the name would lead one turkeys. to suppose, but grey, and it is only

They are not pocketbook. On many of our farms usually found on the fowl during the there are entirely too many weeds. day but in the cracks and crevices of the poultry house where they breed Put the sample into an air-tight rapidly. The young repeatedly cast fruit jar, with screw cap and rubber these casts appear on the roosts and

Ask the grain man for the address At night when the birds are roosting, box the sample so it will ride safely ing their skins with needle-like jaws

in a stoppage of egg-laying or in

any of the percentages commonly met jacent parts are painted or soaked with is safe to store beyond question every week or so throughout the warm and then sold. of doubt. Conditions alter circum-! weather with a solution of one of the stances. A good rule to follow is that coal tar disinfectants or a special grain-elevator men and millers sel- paint made by diluting, either one of

When the mites are known to be present a thorough house cleaning is Much can be done to keep tough in order. Remove all droppings and grain if the bin is ventilated so that old nesting material, scrape and sweep the heat generated may find a way of out every particle of dirt and burn it Sweep down the walls and with the

A good ventilator can be made as aid of a spray pump saturate every crack in the house and the fixtures Take two boards long enough to with a good strong disinfectant solu-

Cut some cleats six inches long and for while there are a number of dif-The control of lice is much easier. mortise them at intervals along the ferent species, the same methods of top edges of the two long boards, then control are satisfactory for all. nail a strip of screen wire the full natural method of control is the dust length of the device. bath; more effective if a little flowers

hives. Though

place one every three feet in the bin, mental Farm blue outment is used, more often the result of the careless-then make similar ventilators that a little being rubbed beneath the will reach from the bottom of the bin wings and below the vent, to kill the it is difficult to stop and in frequent Stand the upright ventilators on For setting hens, depend on the dust In had asses the results disastrously.

those which run horizontally, making and sulphur rubbed in

## 'Fattening Turkeys.

Fattening turkeys, says a circular ssued by the Dominion Experimental Farms, is a very simple operation which increases the value of the birds,

more cows to seriously consider the PREVENTING HEAT DAMAGE<br/>TO GRAIN.appears hot, the best thing to do is<br/>to remove the grain promptly.as it increases their weight and im-<br/>proves the quality of the flesh. Tur-<br/>moves the quality of the flesh. Tur-<br/>moves the quality of the flesh. Tur-<br/>proves the quality of the flesh. Tur-<br/>moves the quality advantageous. For a 20-cow<br/>herd a 3-cow outfit is regarded as<br/>sufficient. For smaller herds of 12<br/>ward or in a small<br/>house, but large<br/>running expenses of the larger ma-<br/>the divided between 30 cows is<br/>equal to about 2 cents per cow per<br/>ture and that close housing does not<br/>day. One man with a milking ma-<br/>ture and that close housing does not<br/>day. One man with a milki installation of a milking machine.

pared at a time. Oats, barley and efore the rain came. Corn is not safe to store if it is grain is harvested, threshed or shell-overed with snow at the time of ed; before it goes into the bin. Corn is not safe to store if it is covered with snow at the time of shelling. When a large bulk of any kind of grain is to be kept it is good prac-tice to have it tested for moisture im-mediately after binning. The elevator man in town may be consulted if one does not know precisely how to get a sample. The best method is to use a grain The best method is to use a grain the method is to u

### Culls Are a Liability.

The flock may be culled at any time and the careful poultry husbandman will always keep close watch on his flock for any outstanding boarders. In late July and August the early moulters should be watched and marked and disposed of.

Marking the Culls .- In culling, the hens can easily be graded into three classes and marked:

(a) The good performer can banded and left in the pen.

(b) The ones which are real culls should be crated and sold.

(c) There are, however, a number of hens which are still laying but which are of poor type and will not be desirable members to hold over. These can be marked temporarily and kept until they have ceased laying . A good method of marking these birds is to cut off their tails. This makes them easily picked out later, and a second trial will often convict many of them, so says Pr

W. R. Graham, O. A. College. WHEN TH

imes a day.—H. H. H.



The their neighbors.

the fields they are inclined to become inquisitive as to the stores in near-by

robbing is occasionally started through the inability of a

In bad cases the robbe

The Milking Machine. Officials of the Experimental Farms

mend farmers with twelve or

## The Sunday School Lesson

AUGUST 14

## The First Miracle of Jesus, John 2: 1-11. Golden Text-Whatsoever he saith unto you, do it .-- John 2: 5.

ANALYSIS

Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.
Whatsoever he saith unito you, do it.—John 2: 5.<

reasion, a piece of 2x4 was em-ved to indent angular grooves from pump base to the outer edge of local event for the household of Jesus. the pump base to the outer edge of local event for the household of Jesus. The platform. The 2x4 was sunk a If the wine gave out, it may have outer end to slope the corrugations and insure instant drainage, but the angular strips between were level and flush with the surface of the platform.

angular strips between were level and fuch with the surface of the platform. They were also made close enough to gether to allow the smallest pail or kettle to rest level upon them. Tonic for horses: three times a day feed a good handful of linseed oilmeal along with the corn and oats you may be using. A tonic and appetizer that can be used consists of one pound Gauber salts, one-half pound soda, two ounces powdered gentian and two messpoonful of this on the grain feed

powdered nux vomica. Give a "How different our thoughts are! You onful of this on the grain feed mes a day.—H. H. H. TOBBANDIT How will not refuse to act in the present cir-cumstances, and she bids the servants owait her son's instructions. await her son's instructions.

II. CHRIST, THE GIVER OF LIFE, 6-10.

discounted because some good people have never learned when and how to

is noble has greatly enhanced powers of pleasure. If you want a motor trip that will be really and truly a joy ride, then take some shut-in crippled child out into the sunshine with you. Selfish pleasure passes the time, but does not satisfy the heart.

Sheep Dipping.

After the ewes are shorn, many of the sheep ticks transfer to the lambs, which give them better protection and, perhaps more acceptable diet. This, it will be readily understood, is hard on the lambs, but a relief to their mothers. Neither ewes nor lambs in well managed flocks are suffering from ticks at this season of the year because they will have been dipped and therefore almost if not entirely rid of these pests.

Sheep dipping, like many other jobs about the farm, should become a habit, as it is no less important than many other jobs that are done with regularity. And it is just as profitable, because lambs pestered with ticks cannot thrive as they should do, and this results in loss when selling time

BY FRANK PELLETT. The beekeeper who has not had a case of honest-to-goodness robbing takes a period of unusual stir about among his bees may still look forward to some interesting experience. When a honey flow is on, the bees will work a honey flow is on, the bees will work honey is exposed around the hives of their neighbors.

r about the hime, getting acquainted with the surroundings. This first flight of the young bees requently alarms the inexperienced. The behavior is unlike robbing, for there is no fighting at the entrance of the hive and the flying bees are young and downy rather than old and shiny as is likely to be the case with robbers. An especially heavy honey flow is to the flying bees should make it clear that they are attending strictly

ate in a bin prepared in this manner the supply of eggs for winter use can it will set up a circulation of air be safely put away in preserving fluid. through the ventilators. The hotter Lime water can be depended upon to it gets the faster the air will move- keep eggs in good condition for sev-

with only 14.3 per cent. In other words, the wheat was necessary. The method of preserva-Sample Grade when it was placed in storage, No. 3 when it came out—and storage, No. 3 when it came out—and the milk of lime so formed into five placed in the bin before the grain has been kept well stirred for a few There is one simple way of learn-the milk of lime so the eggs pre-There is one simple way of learn-the milk of lime so the eggs pre-There is one simple way of learn-the milk of lime so the eggs pre-There is one simple way of learn-the for a chance to get at the exposed tort a robber instantly by her actions, the with out of the gray, then turn it over the core ing the spray, then turn it over the close, for all life with solut the eggs the close, for all life with the with the close, for all life with the close c There is one simple way of learn-ing whether grain is keeping satis-factorily. Merely examining the top layer is not enough—it may be cool tight barrel. Evaporation will be hurning up. The experienced beekeeper can de-tect a robber instantly by her actions, the more different from those of the bees intent on attending to their own the fluid with a small quantity of business. It often happens that be-tere the novice is aware of it hun-tere the huncher t

iron rods of any size into the mass surface, with a paste of lime spread and helping themselves to the honey

The moment heat begins to gener- tile eggs, the time has arrived when

and every cubic foot of air will move— keep eggs in good condition for sev-miosture with it. are absolutely fresh when put away. Working force of bees. With no honey The United States Department of A circular issued by the Dept. of ing about wherever a scent of any-Agriculture devised this ventilating Agriculture at Ottawa, describes its ing about wherever a scen system, and in a field test some wheat preparation. It is important that thing sweet may be found. At such times they may ing about wherever a scent of anysystem, and in a field test some wheat preparation. It is important that thing sweet may be found. it went into the ventilated bin came From two to three pounds of this, candy shop and finding sweets ex-out at the end of seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the seventy four days added to five rolling to the point of the poin out at the end of seventy-four days added to five gallons of water, will posed, return in ever-increasing num-with only 14.3 per cent.

bin want at various heights and insert iron rods of any size into the mass of grain. They must be long enough over the top, will answer the same over the top, will answer the same to reach well toward the opposite wall should be sufficient to give readings at several points and levels through-out the bin. The rods should be kept in the grain at all times. Occasionally they will the grain the top the grain the top the formation the top the to

out the bin.also recommended by the Dominion<br/>Chemist, is to use water glass instead<br/>at all times. Occasionally they should<br/>be pulled out and tested for temper-<br/>ature with the hand.also recommended by the Dominion<br/>them after the hive is closed.the same time reducing the entrances,<br/>this may stop the trouble.gladness of his friends that at a later<br/>time, when enemies were searching<br/>the same time reducing the entrances,<br/>Sometimes it is better to take the<br/>him, they try to make capital of his<br/>eacieful not to leave bits of honey<br/>about where he is at work or to per-<br/>mit honey to drip on the grass aboutthe same time reducing the entrances,<br/>this may stop the trouble.gladness of his friends that at a later<br/>time, when enemies were searching<br/>the same time reducing the entrances,<br/>sometimes it is better to take the<br/>him, they try to make capital of his<br/>eacieful not to leave bits of honey<br/>about where he is at work or to per-<br/>mit honey to drip on the grass about<br/>the hives.the same time reducing the entrances,<br/>sometimes it is better to take the<br/>him, they try to make capital of his<br/>sociability, and call him "a glutton-<br/>ing day, when the apiary has quieted<br/>was not true, but he was social and<br/>the hives.warmer from day to day, or if it<br/>program of Jesus, and much piety is a<br/>program of Jesus, and much piety is a<br/>program of Jesus, and much piety is a<br/>program of Jesus, and much piety is a

a block of the apiary. In every locality there comes a time some time during the summer when the flowers which have furnished the bees with their havest stop bloom-ing and nothing else worth while is coming on. The hives at this season are likely to be filled with a large working force of bees. With no honey to be had in the fields they have furnished the indication in the fields they have furnished the fields they have furnished the furnished the furnished the fields they have furnished the fields they have furnished the furnished t If robbing is discovered at the start augurate. Because the incident has undoubt-

will enable the guards to drive off the voice and opens the door, Christ may robbers. Where it has continued enter and make life a festival of joy

Canning Vegetables.

Bacteria are the micro-organisms that we have to contend with mostly in the canning of vegetables. It is these which cause putrefaction and decay of green vegetables that are not properly preserved. They are always present on the surface of the vegetables until they are destroyed by heat or some other agent. Yeasts and moulds are also liable to be present, but they are much more easily destroyed than the bacteria.

it is usually easy to stop it by reduc-ing the entrance of the robbed hive to draw the following lessons from it. In Boy 3:20 we read that Christ one or two hours does not always kill them. Hence it is that more difficulty is experienced in the canning of vegebles than in the canning of fruits. All species of bacteria do not form spores, but there are usually, if not always, some of the spore-bearing species of bacteria on the surface of

The vegetables commonly preserved by canning are green peas, beans, corn, asparagus and tomatoes. These should be fresh, sound, clean and not

The cold pack method of putting up gives best results with vegetables, except possibly with tomatoes.

jars, rubbers and tops all Have thoroughly clean and well rinsed, so says the Dept. of Bacteriology, O.A.C., Consult Bulletin 265.

Most signs fail, but the teeth and horns are good indicators of a cow's age. Count the "annual rings" on the horns and add two. One pair of eprmanent teeth, upper and lower, indicates eighteen months of age; two pairs, twenty-seven months; pairs, thirty-six months; four pairs, forty-five months. Each pair of per-

manent teeth comes nine months after the other.