# Efficient Farming

EXTRA ATTACHMENTS FOR

me, declares that when buying new me in this work, and quite often I machinery it pays to order the extra could buy for only a small sum an attachments.

sold the two grinders to the neighbors, extra equipment. As a result of this tore out the sacking device, and ordered a grinder with modern improvechased three sets of burrs, a cobbrushing device, and a sacking vator, at an additional cost of \$15. He was then prepared to grind corn, oats, buckwheat and other feeds one machine, and within the next two days he handled a crop which would attachment for milling meal and buckwheat flour.

out an old fanning-mill with a single Hence, weigh out the salt. set of screens, and ordered extra atgrades wheat, beans, buckwheat, bar-side cure, which is preferred by most ley and peas, as well as timothy seed people. Along with this should go and clover, for home use and market, two and one-half pounds of sugar Incidentally, one of the extras was a two ounces of saltpeter, and four and pulley by which he connected the mill one-half gallons of water. This amto his gasoline engine, thus doing ount will cure 100 pounds of meat. away with the job of turning by hand. The ingredients should be mixed and \$7.50, which eliminated a great deal off, and the brine cooled before pour

ket for extra attachments, and in most so long a period.

cases I found devices which made the FARM MACHINERY. tool serve a double purpose. I called
Tom Batton, who lives not far from on the local hardware dealer to help Batton tested this idea out when he moved to his present farm in 1921. Stored away in the sheds he found two feedgrinders, each fitted for a different kind of grain, and a homemade device for sacking. The arrangement did not suit Batton, so he sold the two grinders to the religible. plan, my records show that I am doing more work with fewer implements, As extra equipment, he purand getting better results, at less than three sets of burrs, a con-third the cost."—C.

> WEIGH OUT THE SALT, OR USE FRESH EGG.

Using an egg to test the strength of brine for curing and preserving pork is a common practice—as old as the hills almost. But the egg method have taken the former owner and his the hills almost. But the egg method hired man a week with three implements. Later on, he bought an extra After an egg has been exposed to the A short time afterward, he hauled in a very weak solution of brine

tachments so that he now cleans and required in winter for a pork sweet-A sacking arrangement was added for boiled in the water, the seum taken

of heavy lifting.

"Thus encouraged," says Batton, "I itemized my stock of machinery and found that much of it, such as binder, fifth, tenth, and eighteenth days. Al drill, cultivators, etc., had been used low from three to four days for each only a few days each season. For pound in the piece, all except the these implements I searched the mar- lighter pieces, which will hard'y need

#### Vaccination for Poultry Diseases.

While it was only about three years ago that vaccination of poultry for which are the after-effects of colds. the control of disease was brought to

search into a series of the most deadly poultry scourges, which included roup with its allied diseases.

From then on thousands of fowls were submitted to laboratory tests field trials which eventually proved that infections accompanying these diseases, and in this way the diseases themselves, could be controlled by vaccination. It was about 1921, eight years after these trials were started by veterinarians, that the laboratories first offered vaccination you try to hurry, dear? to the public, declaring it "offered much hope for the prevention and eradication of roup."

Subsequent experiments brought about the following conclusions: That avian mixed bacteria is non-poisonouz: that no immediate deaths resulted from vaccination: that it did not Pussy affect egg production, egg fertility,

nor table quality of the fowl. But it was guaranteed to prevent the spread of colds among flocks, thereby warding off roup, diphtheria, canker, etc.

Vaccination was not recommended the attention of the poultry world, it where condition was known to be had been employed as far back as hopeless; but the conviction was firm 1880 to 1882, by Pasteur, in cases of that thousands of fow's can be saved III. THE CRUCIFIED AND GOD, 44-46,



still and deep.
you hear us children calling in

your dreams? We need you here. Willow, Pussy Willow, won't you try to hurry, dear?

closed from the farm animals, including the poultry. Many a farmer's wife has been discouraged after planting a bed of flowers to find that the calves or a group of thrifty hogs have cat in and destroyed her work. It is



A new war threatens the world, which may ultimately result in the complete extermination of the human race, is the opinion of Dr. L. O. Howard, chief of the U.S. Burean of Entomology. The battle is between men and insects.

#### Calcium Cyanide

has one flaw; it doesn't always work.

After an egg has been exposed to the air for a few days evaporation causes an air cavity which will float the egg in a very weak solution of brine.

Hence, weigh out the salt.

Seven pounds of salt is the amount same are of open space.

A chemical recommended for kill—locate will mold and are then unfit for feeding to the birds. Twice a day the cats are sprinkled with warm water. In a week or ten days, depending on wherever Mr. Flea parks himself, Use will be three inches thick and will closed space or eight ounces for the have a top growth of four or five same area of open space.

Don't in the bedroom, dog-kennel, or the boats are sprinkled with warm water. In a week or ten days, depending on wherever Mr. Flea parks himself, Use will be three inches thick and will closed space or eight ounces for the have a top growth of four or five A chemical recommended for killsame area of open space. Don't in-hale the fumes, for they are they are

> grade separately and label according-Use only clean boxes or cases. Musty cardboard fillers or dirty packing may injure the sale.

cretch grain with advantage. In ing who, e oats, the hulls often e impacted crops and death en-When the oats are fed sprouted no trouble along this line will be

at least fifty-five degrees is required. The growth will be more rapid if the

higher temperature is provided.

Outs can be sprouted in the dark if
the temperature is right. If sprooted in a dark room the top growth will be light in color, but one day's exposure to light and air will give the green

My method of sprouting oats is a

The oats are soaked in water for twenty-four hours. An inch layer is then spread out in shallow trays or racks. The trays must have good drainage. If the drainage is poor the oats will mold and are then unfit for

A block a foot square makes a sufficient daily feed for fifty hens.

Ship only good goods. Grade both country and eggs carefully. Pack each grade separately and label according crease of \$97,091,700 over the market value of the whole of the 1923 crop, according to the final estimate of the Federal Bureau of Statistics.

## The Sunday School Lesson

#### MARCH 8.

The Saviour on the Cross, Luke 23: 33-46. Golden Text-He that spared not his own Son, but delivered him up for us all, how shall he not with him also freely give us all things?—Rom. 8: 32.

ANALYSIS. THE CRUCIFIED AND THE WORLD,

II. THE CRUCIFIED AND THE SINNER,

Hurry, Sleeping Pussy
Willow.

Pussy Willow, Pussy Willow, sleeping all the winter through,
We are longing for the springtime with its warm wet winds—and you.

Do not keep us children waiting, see, the time is drawing near.

Pussy Willow, Pussy Willow, won't you try to hurry, dear?

Pussy Willow, Pussy Willow, in the hollow where you sleep
Rough Jack Frost keeps guard at nighttime when your rest is still and deep.

A redemptive power, delivering stantals hor down in and selfishness, and uniting them to God.

The Cross of Jesus Christ is a sign of the Christian salvation, because it always stands between the Christian sels the world's guilt, and it also opens up a new ideal of service and glory. But the Cross is also the means of the says: "Lord, remember me when new ideal of service and glory. But the Cross is also the means of the says: "Lord, remember me when spoke of making himself a ransom for "many," and the Christian soul in all thou comest into thy kingdom." His faith has its reward, for Jesus answers: "Verily, I say to thee, to-day shalt thou be with me in paradise." The penitent will enter into the combination of first companion's and selfishness, and wis fellow. All at once he means of the fillow. All at once he means of the says, exclaiming that while he and his fellow are paying the just penalty of their sins, Jesus, exclaiming that while he and his fellow are paying the just penalty of their sins, Jesus, exclaiming that while he and his fellow are paying the just penalty of their sins, Jesus, exclaiming that while he and his fellow are paying the just penalty of their sins, Jesus, exclaiming that while he and his fellow are paying the just penalty of their sins, Jesus, exclaiming that while he and his fellow are paying the just penalty of their sins, Jesus, exclaiming the just penalty of their sins, Je

what God's power is exerted to save mankind. Christ on the Cross is, as St. Paul says, "the power of God, and the wisdom of God," 1 Cor. 1:24.

world-culture, Latin was the official language of the Roman Empire. II. THE CRUCIFIED AND THE SINNER

Vs. 39-43. We are now shown the relation of Jesus to sinners. One of the two thieves crucified by the side of Jesus joins in the mockery of the bystanders, and says: "If thou art the Christ, save thyself and us." The that thousands of fow's can be saved such that thousands of or the two thieves crucified by the side of Jesus joins in the two thieves crucified by the side of Jesus joins in the two thieves crucified by the side of Jesus joins in the two thieves crucified by the side of Jesus joins in the two thieves crucified by the side of Jesus the Messiah is the central act in the world's history, and also the all determining point in the history of the two thieves crucified by the side of Jesus the Messiah is the central act in the world's history, and also the all determining point in the history of the two thieves crucified by the side of Jesus joins in the two checkery of the two thieves crucified by the side of Jesus points in the two checkery of the two thieves crucified by the side of Jesus points in the two checkery of the two thieves crucified by the side of Je

the wisdom of God," 1 Cor. 1:24.

I. THE CRUCIFIED AND THE WORLD, nature in his dying hour.

33-38.

V. 45. The rending of the temple veil, which hung before the Ho'y Place veil, which hung before signifies sym A SUMMER OF FLOWERS AT SMALL COST

Many women living in the country long for a bit of garden but find it impossible to have one because they have no piece of ground properly enclosed from the farm animals, including the poultry. Many a farmer's long for a bit of ground properly enclosed from the farm animals, including the poultry. Many a farmer's long for long for a bit of ground properly enclosed from the farm animals, including the poultry. Many a farmer's long for long

wife has been discouraged after planting a bed of flowers to find the planting a bed of flowers to find the planting a bed of flowers to find the planting and the planting and

224. Greenho Cons

Cheesemaking,
Farm Water Suppl.
and Sewage Disposal
Farm Crops:
Experiments at O.A.C
Hay and Pasture
Crops: Grasses, Clov.

ers, etc.
Sleep.
Bee Diseases.
Motor Transportation
in Rural Ontario.
Milk Production Cost
Flour and Bread
- Making.
Silos and Silase.
The Cabbage Maggot.
The Production and
Marketing of Ontario
Cheese.
Farm Poultry.
Feeding Young Live
Sicck.
Grafting Fruit Trees.
Sweet Clover.

Grafting Fruit Are-Sweet Cloter, Colony Houses for Swine. Soil Surveys. The Bacon Hon. The Care of Farm Implements. The Brood Sow. Insecticides and Fungicides. Mushrooms. 298. 299. 800. 301. 302.

Mushrooms.
Contagious Aborti
of Cattle.
Diseases of Poultry.
Cold Storage on Boar. Circular on Corn B

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### Highly-Prized Poultry Meats.

Those who have been fortunate nough to eat the meat of a canvas back duck have had a rare treat. The canvasback dines largely upon wild celery growing in the southern marshes. While there is a fishy flavor to most of the wild ducks and other sea fowls, this can not be said of the canvasback.

The meat of the Indian Runne duck is of superior quality, being fine in the grain, juicy and of excellent

French epicures greatly appreciate the high quality of the flesh of the Cayuga (a black duck), claiming the meat is of fine flavor. Notwithstanding that the Cayuga is the only pure American in the duck family, it is not in favor in our markets.

Geese have been used as table poul try for ages. The meat is not only delicious but very healthful. Germans relish the fat, and often eat it on bread in place of butter. Among orthodox Jews it is used as a culinary fat in place of lard. The livers of geese are highly prized by European epicures.

To persons afflicted with acidity of the stomach, a condition frequently brought about by an excessive diet, turkey meat is invaluable. The nutritive qualities in turkey and beef

stimulate the acid secretions of the stomach, and when there is an excess

It is claimed turkey meat contains a greater percentage of proteid, or flesh-forming food than is found in beef. It is more easily digested, due to the fibre being shorter and yielding more rapidly to the digestive process. The flesh of the capon has the

tenderness of a pullet but a better flavor, and gives a greater proportion of white meat from the fact that the tender parts of the body develop more than in ordinary fowl. The capon is at its best when a year or 15 m

No poultry meat excels, if any equals, that of a half-grown guinea, split down the back, broiled and buttered. It is meaty, tender and of splendid flavor. The guinea fowl splendid flavor. The guinea fowl really is a wild bird, and is an ex-cellent substitute for wild game, such as grouse, prairie chicken, quail, etc.
—M. K. B.

Rubbish piles afford hiding places for rats, weasels, minks and other enemies, and should never be tolerated near the hen houses

Parched corn is an old-time stimulant, but the hens like it just as much now as they did in our forefathers' days. It may be fed once or twice a

## FOR HOME AND COUNTRY

### What the Gir Is Are Doing.

the good of others." Last Christmas they purchased clothing for two needy a towel shower for the hospital. Dur-

Brampton-The Brampton Juniors to send to Northern Ontario. They have taken for their motto "Work for are especially interested just now in the three months' course Economics which is held at Brampton. They have also contributed to the families. They have raised funds to Muskoka Hospital, and to gifts to furnish the waiting room of the Peel several brides from among their County Memorial Hospital; also had members. (A most creditable year's work.)

ing the year they gave the program at seven Senior Institute meetings, and joint meeting with the Junior Farm-Fergus-The Fergus Juniors hold a

