	Parts	by	Weig	ht.		
Bran .					100	Ibs
Wheat	middling	ß			200	libs
Cornme	eal				200	lbs
Oilmea	1				50	lbs
Ground	oats (he	avy)			100	lbs
Meat s	crap (hig	h gra	ide)		100	lbs
This	should	be f	ed d	rv.	in s	elf
feeders	or hop	pers.	and	left	bei	fore
	t all time					
		-				

kafir corn100 lbs.
This may be varied in ingredients provided corn makes up from 50 to 60

per cent. of the weight.

The amount of this scratch feed should be increased until they are getting from 10 to 12 pounds per day per 100 birds. If they leave the oats or barley, cut down on these grains in

the mixture. Following this system of feeding ing year. Rape is good, a mixture of will prevent the birds coming in to sweet clover, alsike clover, June clover trifling. laying when they are too thin and or alfalfa is better. Peas and clover have no reserve, and will round them up in good shape with a reserve for corn and root crops will be available winter work. About a month of this feeding should condition them, and freezes. then they should be put on a laying ration, as follows:

Mash Feed.

Wheat bran100	lbs
Wheat middlings100	
Ground oats (heavy)100	
Cornmeal100	lbs.
Meat scrap (high grade)100	lbs.
Feed dry, in self-feeders or hop	pers
left before the birds at all times.	and
easily accessible.	

Scratch Fond100 lbs. Wheat100 lbs. Oats, barley, buckwheat, or

8 to 10 pounds per 100 birds per day: one-fourth of this amount fed in the morning, one-fourth at noon, and onehalf at night, or one-third in the milking for some time, when the namorning and two-thirds at night.

Feeding scratch in this way will tend to drive the birds to the mash, which they must eat to lay. The birds, when this ration is fed, are just about ready to lay, and it will push them scross in good, uniform shape, and milking for six or eight months makes unless something wrong happens in quality of feed, during the fall and go dry. winter they should go through with a pretty steady flow of eggs.

The Hog as a Harvest Hand.

In the busy fall days, with a multitude of things requiring attention, the farmer often has a willing laborer confined in enforced idleness. laborer so willing that if he can be put at the work he is adapted to doing, he will pay for the privflege of doing it. I refer to the hog. As a sower of seed or cultivator of crops he is a failure, even as a plow he is not a success. I have seen him engaged as a hunter, roving over sunburned sod pastures and barren woodlots seeking for a chance morsel here or there. He gets little aside from exercise and age, neither have a market value.

The hog must be employed as a harvest hand. He specializes along that line and is an adept at it. But to be truly profitable, he must be provided succession of profitable emHens With Records.

from a hygienic point of view.

can we afford to simply maintain him

on costly grain, nor gather and serve

his food when he can, with great suc-

Let us try out the hog on a portion

of our corn crop this year and then prepare to keep him busy when we

make out our crop plan for the com-

will be excellent for August. While

extra fertilizing material collected in

this way will probably pay for the

tra supply of milk received by keeping

when the temperature drops below

freezing point, or close above it, may

Experience shows that cold has

very marked effect in lessening the

tural tendency is for a cow to dry up

and during which time every means

should be taken to keep her milking.

Cows should milk at least ten months

of the year. Leaving cows outside dur-

ing cold nights, after they have been

a greater tendency for those cows to

Where cows are kept inside, the

stable should be cleaned regularly and some absorbent material like sawdust,

shavings, chaff or cut-straw, should

be scattered along the passages, on the platform, and in the gutter. This

helps very much in cleaning the stable,

Another advantage of stabling on

frosty nights, is that it prevents cows

injurious to milk cows. They may be

mals are protected against digestive

and in keeping cows clean.

milk-flow of the animals.

cows in a comfortable stable at times

cess, harvest his own crops.

The very best of closets cost but a comparatively small sum, and no farm home should be without one, if running water is out of the question. If the dairy factories in 1920 amounted there is no place in the home for one, to \$32,767,317, the number of employ there is no place in the home for one, do as we did—procure some wallboard, do a little sawing and nailing, 776,676. In 1919 the capital invested and a small room can soon be made.

The pine tree is believed to attain from September until the ground an age of 500 to 700 years.

Storing Bulbs and Roots.

The wisdom that established a Re-ord of Performance for dairy cattle our tuberous begonias, of which we as found an echo in the establish-are very fond, and place the plants, ment of something similar for poultry with about one-half of the tops left under official supervision. The Record on, in a shed where they are safe from of Performance for poultry relates to frost but still get plenty of sun and

WINTER EXCE.

The first work that may be partially assessed of the property of the control of th

The Sunday School Lesson

SEPTEMBER 18

Abstinence for the Sake of Others. 1 Cor. 10: 23-33; 3: 16,

cents per pound. In 1919 the quantity made was 167,734,982 lbs., valued at \$44,805,794, or at about the same price per pound as last year. The total value of all dairy products in Canada in 1920 was \$144,483,188, as compared with \$135,196,602 in 1919, being an increase in favor of last year of \$9,286,586. The capital invested in dairy factories in 1920 amounted to \$32,767,317, the number of employees to 11,211, and the wages to \$8,766,676. In 1919 the capital invested was \$28,383,026, the employees 10,716, and the wages \$7,629,997.

As long as we live in the hearts we leave behind, we will never die.—Campbell.

Campbell.

Canada in 1920 are an invested in sacrifice in the markets or served at the control guided by love, and possessed of a sincere desire to promote the common good.

Application.

To abstain from some things for the sake of others is a Christian obligation. It wends seem as if there had been offered there. Such meat and wine were offered was \$28,383,026, the employees 10,716, and the wages \$7,629,997.

As long as we live in the hearts we leave behind, we will never die.—Campbell.

But if a question is raised, and your neighbor be offended or hurt, by what you have done, Paul counsels abstinpossessed by the spirit of Josus Christ.

An Ice House You Can Build

The season for cold nights will be here all too soon, in this northern Sometimes I wonder that more genclimate. While it is true that keepclimate. While it is true that keepclimate. While it is true that keepclimate attention is not given to the ice bedded in the fine gravel on which to insect has spread into new territory
this vear. On account of the danger a very valuable one too. culty in keeping the cows clean, the

There is no one who can use to such good advantage as the farmer. All perishable products must be kept for a longer time than in the city, where there are stores to depend upon. And the cellar is not always as clean and sweet a place to keep meat, but-ter, and fruits as it should be. Consider the possibilities that lie before the farmer who has a small coldstorage plant to enable him to hold his milk, fruit, and vegetables until market prices improve, and we realize better just how valuable ice can become.

I believe many of us can profitably use ice to a far greater extent than we do, and when we put so much labor into harvesting it a little more trouble expended in keeping it is well worth while. A suitable ice house will save half the ice you are accustomed to putting in a shed that has poor insulation.

There are two or three weak points in general ice-house construction. The first is a poor foundation, preventing good drainage. The second is the kind of a roof which absorbs the sun's heat so that the inside of the house one inch each, and one six-inch space eating frozen feed, which is generally becomes like an oven. While there is filled with a good insulating material. usually little choice allowed in the For the roof, use shingles or best kept in the stable or yard after the selection of a site, there are certain pasture thaws, and in this way, ani- precautions which should be taken.

If a site chosen be on a slight ele troubles and conditions are more favvation, drainage will give no trouble; the centre, made so that it can be orable for maintaining the health and otherwise provisions for the drainage of water from the melting ice must be building white, to reflect the heat and made. In building the floor, which help to keep the building cool. When dahlias and cannas are frost- can be placed on stone or cement bitten, cut off the tops, leaving about walls, or on cedar posts set in the six inches of the stems. Remove the ground two or three feet, excavate at or even on the north hillside, or in the spread upon the floor of an unheated roots in a clump with dirt attached, least one foot be ow the sills, and fill shade of some trees.

Spread roots out in the sun to dry, the whole of the inside between sills An ice house of this kind will be available, the plants can be kept in

order to permit the water to escape

It takes, on an average, from 40 to 45 cubic feet to hold a ton of ice. A building 12 by 16 feet, 12 feet high, will hold about 45 tons of well-packed ce. For a house of this size use 3x12inch plank for sills, and for uprights use 2x6-inch scantling 12 feet long, placed two feet apart. On the top, spike 2x6-inch scantling doubled for plates. On the outside of the house nail sheathing of common lumber. On this tack a double thickness of building paper, then 1x2-inch strips, 12 feet long. Over this lay a d thickness of building paper, and finish with matched siding. This gives a hollow space of dead air of one inch to prevent heat of the sun from penetrating to inside lining. Care must be used to see that the space is well cut off at top and bottom.

On the inside, nail sheathing, filling the hollow space with cinders, shavings, or sawdust. Over this sheathing nail a double thickness of building paper, on which again to noil one-inch strips, and over this sheathing thus making two dead air spaces of grade of rubber roofing, and filling in between the roof and ceiling with sawdust or cinders. Put a ventilator in

On the north side of another build-

Eliminating the Corn Borer. As a result of the scouting work for

Each year we appreciate more and more the value of ice on our farm. If the digging shows a clay soil, a drain should be put in to carry off by the Dominion Department of Agrithis year. On account of the danger placing the boards one foot apart, in of carrying the pest into uninfested districts a ministerial order was pass ed on August 26, 1921, prohibiting the removal of corn including sweet corn and seed corn on the cob, stalks, etc., from the following townships in the Province of Ontario: Charlotteville, Houghton, Middleton

Townsend, Walsingham north, Walsingham south, Windham, Woodhouse in the County of Norfolk, Cayuga north, Dunn, Rainham and Walpole in the County of Haldimand, and Raleigh and Romney in the County of Kent. The order is supplementary to the Order-in-council which was passed on May 18, 1921. All persons desiring detailed information concerning this

quarantine should apply to the De-partment of Agriculture, Ottawa.

Giraffes are found only in Central and South Africa, chiefly in desert regions.

Store your vegetables right. Send to your experiment station or your county representative for a free bulletin on storage of vegetables.

All refuse of crops that are through fruiting should be burned as soon as dry enough. Cabbage stumps, eucumbers, melons, tomatoes and the like should not be left to decay.

Green tomatoes on the vines can be ripened slowly indoors for later use. King Neptune sat upon his throne Before they are injured by frost the Of jasper decked with laurel, closed inside if desired. Paint the Before they are injured by frost the vines should be pulled up by the roots, but they must be handled with care to avoid breaking the stems or the attic room. If an attic room is not then store in a dry, well-ventilated with collaborations of the surface with the varieties labeled.

An ice nouse of this kind will be avagable, the plants can be kept in the nouse of this kind will be avagable, the plants can be kept in the store in a dry, well-ventilated with collaborations of the surface with the farm, provided you have a point a warmer place to mature first. All the varieties labeled.

The gravel or cinders.



The Rainbow. The rainbow came after the raining

was done, And I'm glad, for perhaps the bright colors might run If the rainbow came first. Oh, it's strange how the weather and rainbows arrange things so kind-

The Mermaids' Ball.

ly together!

The other night beneath the sea The mermaids held a ball, On fishes' tails waltzed gracefully Within a sea-green hall.

From emerald "ukes" the sea-lion's stroke Coaxed songs, while "rum, tum, tums" Were heard from where the breakers

Beating their big bass drums Round about and in and out

Danced crabs with nippers locked Helter-skelter they put to rout The fish the tumult shocked. The bulgy, blear-eyed, blundering fieh Went scudding to and fro, Swirling the water swish on swish,

Not knowing where to go. A hermit-crab popped up his head

From out a nautilus's shell. The clams went clamping off to bed In a sweet, sea-weedy dell.

Beating time with a white whalebore Upon some pink sea-coral.

The mad and merry revels sped. Old Triton blew his horn. The mermaids drifted off to bed All weary and forlorn.

If you want to know what a dollar is worth, try to borrow one.