

leations to Agronomist, 73 Adelaide St. West, Toronte The Modern Silo and Farm

Manager

quires extra help and the man with the silo can arrange to exchange so that he can have his silo filled. "The silo is the cheapest know source of digestible carbohydrates. The silo fits in well to our average n management. This is assum-that the owner of a silo keeps Source of algestate carson by many of the experiment stations and prac-tical feeders, therefore to keep live stock and to keep it economically stock on the farm to warand or more. The silo is in keeping tical feeders, therefore to keep live stock and to keep it economically means the use of a silo, is such is pos-sible, and it means that the work of the farm must be planned to accom-modate this arrangement. Sufficient stock should be kept on the farm to consume the result forement and to dive at such an even the silo is in keeping isd or more. The silo is in keeping ith ecohomic farm practice as it ands ever ready to insure a crop forage or fodder. In times of torage or fodder. In times of torage or fodder the saved. The best supply can be saved. The best

farm-grown forage and the of a good and cheap ration are incipal values of the silo.

to best arrange the work of the farm so that each department can be made to turn a profit is one of the important questions of the average farm. Where silos are added to the farm buildings a change of farm management must follow. Less hay is needed, less land is required for pas-ture, more land must be used for corn ture, more land must be used for corn or at least sufficient corn must be planted to fill the silo. This corn can ifrst. This will give sufficient growth planted to fill the silo. Inits corn can first. This will give sufficient growth be planted thicker than where ears alone are desired. An early maturing through the winter. Where land is high it is desirable to use both a winter and summer silo. It is difficult indeed to obtain a rev-te order to source sufficient labor

order to secure sufficient labor. enue or profit from high-priced land exchange of work is desired plan to in pasture. It does not grow sufficient If exchange of work is desired plan to exchange with farmers who also fill whos. If this cannot be arranged for, plan to exchange work with farmers who have other rush seasons coming t earlier or later periods. In grain growing sections the threshing is a similar kind of work and is generally done after silo filling. Special work like bean threshing. clover-hulling, ration on the farm. If extra feed like bean threshing, clover-hulling, alfalfa threshing, grass seed thresh-ing, fruit picking, etc., as a rule re-buy concentrates than rough forage.



consume the rough forages and to give consume the rough forages and to give a steadiness to the income and furnish work throughout the year. Where silos are filled a rotation of crops can easily be arranged as the corn designed for the silo is entirely removed and the land can be plowed in the fall and put into winter where to year of alfalfa

Corn Smut.

The smut of corn is well known to farmers. The smut masses which

THE SUNDAY SCHOOL

Jonathan Befriends David, I Sam, 20.
Golden Text, Prov. 17: 17.
1-11. From Naoth in Ramah. This is evidently the statement of the editated partial resonance of the book, who put the various narratives together in their present form, and who seeks the in flere anger, and went to warn their present form, and who seeks the ingent 19: 18-24 and chapter 20. The difficulty, however, remains that in v. 5 David speaks as though he was grieved, because his father had in the new moon feast. A possible explanation is that, after the corperation of Saul's messengers and of Saul himself with the prophets (19: 20-24), there may have been a partial reconciliation, and that may a seffective. No onlooker the porch; walks clean and neat, wind a passed between them.
During the transmission with days who we can and that may communication had passed between them.
During the transmission with days are been a partial reconciliation, and that may communication had han here in vs. 1-2. If so we can with the days between them.
During the transmission with days are been and there in the set and there that keep transmission and the shades at the mem monore for the possible class of the porch; walks clean and neat, wind and passed between them.
During the porch; walks clean and neat, wind the pare who is a behind the pleasant.

spores which each mass contains are readily blown about by the wind. It i, these spores that spread the dis-Limited feeding for young chicks during the first few days and weeks after hatching is advised by a poultry Expert.

Limited feeding for young chicks during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the smut over the winter to the sease during the growing season and car the source is planted beging of the start of and the stinking smut or burn, of wheat, the spores get on the seed and preventing infection of the young plants. In the case of the loose smut of wheat and the loose smut of wheat and the loose smut of barley the spores are blown about at blosoning time and grow into the very young seed. The he towate treatment of the seed is used to kill the smut inside the seed to kill the smut inside the seed. In the case of corn smut spores live the present generation had been to any kind has been found to be of no use, as the smut spores live the include for the spores and the spores live the present generation for the fathers of the spores that children a heritage of physical to be of no use, as the smut spores live the include for the spore the children a heritage of physical to be of no use, as the smut spores live the present generation of the start as children and goodness. And this children a heritage of physical to be are the children a heritage of physical to be are the children and goodness. And this children a heritage of physical to be are the children and the spore the children and the present generation of the spore the children and the spore the children and the present generation of the spore the children and the spore the children and the spore the children an

Fourth to fourteenth day—Keep chicks hungry and active. Give two feedings of the egg, oat and bran mixture, and one feeding of green food, sprouted oats, lettuce, etc. Sup-ply hourly skim-milk for at least two weeks. After second week—Simplify and After second week—Simplify and cheapen the ration. Substitute the fol-lowing mash: Bran, middlings, corn-meal, ground oats, equal parts by weight, and ten per cent. meat scrap. Increase the size of grain feed as the chicks grow older. These points also should be kept n mind: n mind: A dry mash of bran, ground oats and meat scrap will prevent toe pick-ing and other cannibalism. Do not overfeed, prevent crowding, provide plenty of fresh water and keep them exercising. any other crop, so time should be how often is Father a mere figure-given for the smut to die out in the head in his own family? Usually it fathers would know their children, given for the smut to die out in the head in his own family? Usually it fathers would know their children, soil before another crop of corn is is Mother who represents the moral they would find them more interesting than any business in the world, and as for the children, who can measure decreed punishment. "Wait till your their gain?

The Farm Beautiful.

The beauty of the farm in large rt depends of the man and woman who make it chicks for broilers. their home. Beauty of thought, Kill every weed—in the garden and beauty of planning and beauty of do- in the mind. ing cannot but make the farm home beautiful. For beauty comes from the heart where the issues of life are The character of the occupants born. be learned from the premises in every farm may quite as accurately as from associa from the printed page, and if farm. that life be charming or sturdy thes idea seems to be prevalent that paint is used solely for ornamental pur-poses, and its use is often regarded as a luxury rather than a necessity. While paint does, of course, serve to here, and then charged his son ly with having chosen David to will be well-kept buildings, not so win shame and hurt. "For," he much because of the money invested "as long as the son of Jesse upon the ground, thou shalt not tablished, nor thy kingdom."

liveth upon the ground, thou shalt not

The Welfare of the Home

Fatherhood, a Profession

grit. Third day—Give first solid food. This mash is suggested for one hun-dred chicks: One raw egg, three small handfuls of rolled oats and three small handfuls of bran. Thoroughly mix by rubbing and give four feeds three hours apart. A dash of fine charcoal and bone meal helps. Fourth to fourteenth day—Keep chicks hungry and active. Give two checkings of commercial chick feed. Treatment of any kind has been found to be of no use, as the smut spores live handfuls of bran. Thoroughly mix by rubbing and give four feeds three hours apart. A dash of fine charcoal and bone meal helps. Fourth to fourteenth day—Keep chicks hungry and active. Give two checkings of commercial chick feed. Corn smut is found in all parts of

times of their youth and early matur-ity, he will be able to understand his ity, he will be able to understand his children. He can guide and counsel them, instead of standing helplessly

Now Is the Time To Sell old fowls and give the young

on what is in the heart sters room, and sell all surplus early

Run the grindstone by gas or elec-

tricity. Quit using elbow-grease. Stay on the farm. Put running water and a bathroom

h every farm home. Have pure-bred sires for every

Plan for a week's vacation when

the work slacks up. Give that son or daughter a plot of ground, some hens, a calf, a pig or a sheep for his or her very own.

A cool drink of water is quite as



Paint Puts Profits Into Your Pockets

There is probably no one point more | Any good mineral paint is more o neglected in the average farm home than the judicious use of paint, not only on the house and outbuildings, but also an accident durings, house and outbuildings, from a very thy spark. A tiny spark, machinery and various falling on a painted roof, will die out also on and do no harm. agricultural implements

It is the rule rather than the exception is some sections to see istant; in fact, whitewash or water houses, farm buildings and farm implements sadly in need of paint. The most efficient fire resistants for a idea seems to be prevalent that paint roof. Saturate the shingles with the than for ornament

A small amount of money and work tablespeenfuls of drying japan; mix expended in keeping houses or other these together, add a little raw linfarm buildings, or machinery, properly seed-oil and mix again; this should painted will add greatly to the length form a stiff paste. If outside paint painted will and greatly to the length form a still paste. If outside paint of their life. Paint puts profit into your pockets. Another valuable thing accomplished by painting is the im-proved sanitary conditions of build-cheesecloth. The paint is then ready and outhouses.

Much of the work of painting can be in the day wanted for inside use, thin the stiff vided he has the time. The following paste with turpentine. If color is desired it may be added and mixed pointers will help:

Staining and Varnishing.

<text><text><text><text><text><text><text><text><text><text><text><text><text><text> a fine effect can be had on hald place with oil stain, colored with burnt umber for walnut or dark oak, or with raw sienna and a little burnt umber for light or medium oak. After applying the stain, rub it off with a cloth, leaving the surface quite dry; when the stain has become dry, say next day, rub on some wax finish, which is simply wax melted in tur-pentine. Paint stores sell it. One coat ycell rubbed in will do. Rub the wax well, to a polish. If we had fireproofed the shingles on the large farmhouse we lived in some years ago we would have escap-ed a very bad fire which destroyed all the buildings except the huge walls. dred and fifty bulletins, circulars and A reighbor burned a great bunch of dry hedge trimmings, and the wind carried a spark to our roof.

While paint does, of course, series of property, improve the appearance of property, oil, have ready two clean paint pots. it is far more useful for protection than for ornament. Into one put seven pounds of white lead ground in oil, and about two Golden Text, Prov. 17: 17.

Lime-water makes a good fire res

If outside paint for use, but will be better for stand-Much of the work of painting can be ing a day longer. If the paint in while the mass is in the paste form.

A manufacturer of perfumes in one usually appear as swollen outgrowths year used the following flowers: 2,400 may be found on the ears, stem or leaves. These outgrowths are some-blossoms, 134 tons of violets, 280 tons times quite large and make the smut very conspicuous. They are at first covered by a thin membrane, which soon breaks away and exposes the black mass of spores. The mass soon becomes powdery and the myriads of



Highest Priced Bull Ever Sold in England-Bought by Canadian. Clipper bull "Millhills Comet," sold at Millhills sale in Scotland for 000. He was bought by J. J. Elliott, of Guelph, Ont,

