

quality of the grain is inferior. question this judgment and feel that comes a considerable item. such advice is not for the best interests of the farmers.

To be sure, Registered Rosen deteriorates if allowed to mix with infe- the extremely small separator is most rior varieties, but even then it usually useful where three or four farmers produces better yields than the old want to utilize the tractor already

Do not expect any seed to play up to form if you believe in planting at ter satisfaction where a number of any old time and on any soil that is farmers expect to co-operate in its available. Registered Rosen has the use. Even then, for maximum effishould be given it. If you believe in men should be interested in it. This manuring, turning under clover, and allows all to thresh out in good time, other facts concerning soil fertility, where the usual acreage is grown (15) you will be successful with Registered to 50 acres on general farms). The Rosen; but if you are a non-believer investment is not too heavy for any then you can not expect to measure of them to carry; they are better satup! This is no argument for common isfied, and still have help—which in handled is a better producer than the expensive and burdensome-to keep common; in fact, there is no argument things running smoothly. Then, if for the common. Farmers so located there is spare time and members of for the common. Farmers so located there is spare time and members of that a high purity standard can not be maintained with Registered Rosen should obtain new seed stock about should obtain new seed stock about every two or three years instead of using the impure and deteriorated using the impure and deteriorated asse the rig is paid for.

matter to supply their needs, but if the company are willing, they can onfined or kept in large flocks it is well to supply this in suitable form for their consumption. Mineral matter is as necessary as food because a considerable quantities of it. This alone indicates a lack in the food not otherwise supplied. As in the case and a half to the acre will pay the extra cost of seed and the higher quality of grain brings two to four cents more on the market. Registered Rosen, on an average, yields five and thunder showers which have given the mineral constituents but not sufficient six bushels per acre higher than the needed moisture over a large section rate is a very profitable investment.

community don't blame the variety, but meet the facts squarely, and correct errors. Bring up the fertility of have inflicted heavy losses on many the soil, prepare a suitable seedb plant at the right time and use the best seed that is available.

Our Threshing Ring Made Two Mistakes.

less common in communities that have of every farmer's fire risk, which is tried this plan. Probably we made two constant, rather than seasonal. mistakes—first, that of buying too Farm fire losses are generally total

extremely small separator should be fire insurance premiums are reason-avoided, because it is very apt to be overworked, even where but few men risks. Consequently it is the part of are interested in it. The hurry to get wisdom for every farmer to carry a job done, a sudden rain cloud, or enough insurance to cover his peak the attempt to take advantage of a risk. The additional premium is not Farms, should have a supply of crushbit of nice weather when the season is large. It is a small item compared ed shell before them constantly. bad, all cause crowding. Besides, there with the possible loss in case of fire are some men who always hurry when feeding a thresher, no matter how slow they are at other times.

The first year we operated our machine everything was in our favor: the season was dry, the straw reasonably short, and grain threshed out well. Seventeen men had been in our old threshing ring, and they all became stock holders in the new outfit. Our separator cost \$1,363 delivered, and we bought a second-hand steam engine for \$500, which was a real bargain. Counting our oil, water tree bale year.

We for repairs, labor, and depreciation be-

After visiting several other cooperative threshing rings that own their own outfits, I have decided that

owned in doing their own work. The larger machines give much betability to produce, but a fair chance ciency, no more than ten or twelve isfied, and still have help-which in for the Registered Rosen mis- the larger rings sometimes becomes

Farm Fire Losses and

Insurance. Fari i fire losses from lightning have been unusually heavy recently. mixed Rosen or common, and at that of the province have added greatly to the prospective crop yield, and have If Rosen is falling down in your thus been of great value to the ed, individual farmers in the same area.

In the majority of such cases there is an insufficient coverage of insurance, and in a few cases none at all. Thunder storms are certain to occur. They are a fixed element of fire risk Two years ago, when our threshing to every farmer. They are most prering bought a small separator with valent at the season of the year when which to do our own threshing, we the barns are filled with the season's made one mistake which is more or harvest. Yet they are but one factor

small a machine, and, second, we in- losses, due to the inflammable nature cluded too many men in the company. of the risks and the general lack of Our experience has shown that the

> When these losses occur in one's neighborhood, it should prompt us to figure up the replacement cost of the buildings, contents and equipment and compare the sum of these items with our insurance coverage. In most cases the result will be a surprise. And it is far better to make this comparison before than after a fire loss, from which none are immune.

Canadian music will be a feature at the Canadian National Exhibition gizzard. It is believed also that some

Gardening in Late Summer

no sign that there is nothing to do in ground is wet you will lose them.

The garden. In most sections of the country the spring rains come in May least another way in which it gets and line when they are most needed.

Too many rye growers delay their planting, believing that rye may "go in most any time that it is convenient to yet around to it." This is a fallacy in ment farm and many times demonstrated by farmers. High-test grain strated by farmers. High-test grain is a convenient of the produced by the experiment farm and many times demonstrated by farmers. High-test grain is 20 inches—would have been a good investment. The small size is strated by farmers. High-test grain is 20 inches—would have been a good investment. The small size is excellent when grain threshes well, smally can not be produced by the experiment of the produced by the experiment of the produced by the strategies of the plants for several weeks if—and this is a vital "if"—it is properly conserved for the use of the plants and is not permitted to be evaporated by the sun before the plants can use it. That is exactly what happens to most to yet around to it." This is a fallacy in judgment as proved by the experiment farm and many times demonstrated by farmers. High-test grain sually cannot be produced by late planting. The late planting is costly to the farmer for both the yield and quality of the grain are decreased.

Occasionally we hear a farmer, a miller or an elevator manager say, excellent when grain thresh under any circum-strated by farmers. Registered Rosen is no good after two years." Recently a few operation of the Jews to be exaporated by the sun before the plants can use it. It is also time to commence to harden off any fall plants and is not permitted to be evaporated by the sun before the plants can use it. That is exactly what happens to most of the moisture when the soil is not properly cultivated. The top soil dries and bakes into a hard crust which are developed to the farmer for both the yield and function are generally favorable. In fact, it will thresh under any circum-stances if it is handled right, but the moil is that even where only a few men are interested there is a tendency against the use of Rosen in that the the separator that overhead expense quality of the grain is inferior. We for repairs, labor, and depreciation be
served for the use of the plants and is not permitted to be evaporated by the sun before the plants can use it. It is also time to commence to harden of any fall plants of the moisture when the soil is not properly cultivated. The top soil dries and bakes into a hard crust which draws the water up out of the ground like a lamp wick until the soil is one too commence to head their development delayed. It can very easily be tracted early. The coming year.

It is also time to commence to he draws the sun before the plants can use it. It is also time to coming year.

It is also time to commence to considerable part of Lycaonia and of Phrygia, lying to the soulh of the ground like a lamp wick until the soil is dry at least af ar down as the plants can real the other names of certain parts of the other or mulch. The moisture does not pass readily through this dust blanket and full remains in the lower strata of the soil where the roots can get at it. As long as this blanket is kept intact, about the only moisture which gets out of the ground is that taken by the plant. This is as it should be and as long as the moisture already in the ground is conserved in this growth. way, there will be very little necessity

for watering. the water from getting away from the Make them use their vigor where

Poultry Pointers.

When fowls are kept in not too large flocks and have a large run they will easily secure enough mineral gestive functions. Indeed, humans matter in both eggs and fowls is composed of mineral elements. When fowls are fed liberally of such feeds as alfalfa, clovers, bran, and other commercial feeds, they obtain for their well-being. The mineral foods now recognized by authorities as best to use are bone, shell, grit, and charcoal. Cut green bone is one of the

best forms. Bones obtained from a butcher and put through a bone grinder will furnish a supply. Lacking bone meal, granulated bone, as it is sometimes called, answers the purpose. The granulated form may be fed in hoppers, enabling the birds to take their supply at will. In the meal form it is usually mixed with the mash. Hens, as well as all other animals,

require a certain amount of lime for normal health and growth, but on account of the lime needed for shellmaking, an additional supply is neces-Oyster shell is perhaps the sary. most convenient source of lime for poultry feeding. This product which is purchasable at feed stores, is made by crushing the shells, the particles being separated into the various sizes according to the purpose for which they are intended. Fowls that are laying heavily, according to Bulletin No.

Fowls running at large, unless on clay soil, will usually pick up sufficient fine gravel to supply grit. Should there be any doubt as to the birds getting sufficient grit from this source, it is prudent to provide commercial grit in a suitable hopper. This product is made by crushing rock into sizes suitable for the different classes of fowl. Grit, as is usually well understood, supplies the teeth of the fowl, inasmuch as the birds need it to work up the food as it passes through the of the mineral elements are extracted at the C. N. E. this year.

Just because August is not May is If you cultivate beans when the

August is none too soon to select and some journeys.

16: 6-18. Phrygia and Galatia are

This is the reason why the garden They will be better if storing up reshould always be cultivated shortly serve strength now for the next crop soil will not stick to the hoe. It keeps old wood which will produce nothing. plants. But watch out for the beans. will show and produce results

of crushed shell, charcoal should not be mixed with other food, but supplied in a hopper in granulated size, and kept before the birds at all times in order that they may help themselves as they feel the need.

A Good Picking Receptacle. A half-bushel basket is a very good receptacle for picking the fruit in to avoid badly bruising the fruit. Such a basket should have a hook attached to the handle for hanging on the ladder or tree limb. Great care should be taken in emptying the fruit into the barrel as bruised fruit will not bring to top market price. Carefully picked and handled fruit will bring the top market price provided all other troubles are kept under control during the growing season. Often a fruit grower will use great care in growing fruit but will lose the full benefits of his work by allowing careless picking.

Home-Mixed Putty.

The following formula will make 100 pounds of good putty, and smaller amounts can be made by cutting the materials in halves or in quarters: 18.75 pints of raw linseed-oil, sixteen pounds of white lead, seventy-five pounds of whiting.

Toroughly mix the white lead and oil in a pail, and stir into this mixture enough whiting to make a stiff dough. Pour out on a board or large pane of glass which has been sprinkled with a good layer of whiting to prevent the soft putty from sticking to the board. Then knead, gradually adding the whiting to give the desired consistency. This putty can be kept indefinitely if covered with water.

A baby clinic conducted by the Ontario Government will be one of the features in the Government Building

The Sunday School Lesson

AUGUST 28.

From Asia to Europe, Acts 15: 36-16: 18. Golden Text-Acts 16: 31.

High Yubb of Good Quality Rys.

High Public of Good Quality Rys.

After the best and not received in any Loy on harvest a good associated one? Do you harvest a good associated one? Do you harvest a good associated one? Do you harvest a good of the predict and the property of the proper

not actually wilt but they should be they rather close to the wilting point. This will prevent them from developing too fast and then when they are be used to find the will provent them from developing too fast and then when they are be used to find the will provent them from developing too fast and then when they are be used to find the will show their appreciation and respect to the will show and produce results.

The apostles appear to have intended going on into the Roman province of Asia, which lay along the Ægean that the well-known cities of Ephesus, Pergamum, and Smyrna, and was the growth.

Sea, and occupied about a third of what we call Asla Minor. It contained the well-known cities of Ephesus, Pergamum, and Smyrna, and was a transition of mind was being exploited for what we call Asla Minor. Paul whose interest was always in the cities, must have looked with eager desire upon this western province as great open field for his gospel. Just how he and his companions were forbidden by the Holy Spirit to preach the will make the was not opportune, or that their work lay elsewhere. From Mysia, it was made clear to them that the time was not opportune, or that their work lay elsewhere. From Mysia, it was made clear to them that the time was not opportune, or that their work lay elsewhere. From Mysia, it was made clear to them that the time was not opportune, or that their work lay elsewhere. From Mysia, it was made clear to them that the time

Proper Care of Raspberries.

ly kept and a poorly kept raspberry patch. One may plant the best varieties but unless the plantation is properly looked after at the different seasons of the year the patch soon ecomes overcrowded, diseased, and Rasnherry culpractically useless. ture is not a difficult sort of gardening, but like many other farm duties, the right thing has to be done at the right time. It is a too common practice of the average grower, after re moving the crop, to allow the plantation to take care of itself. This is not a good practice because it gives encouragement to both disease and insect enemies, and allows weeds to grow and thrive and infest the soil by scattering their seeds.

As early as possible after the crop has been harvested the plantation should be carefully gone through with a strong pruning knife and all the half a barrel of water, and pour into wood that has borne this year cut the diluted copper sulphate solution, out close to the ground. This prunedout material should not be allowed to lie around to spread insects and disease, but it should be carefully gathered and burned. It is well also at this time to take out any suckers that are found coming up between the rows. These, however, will be properly taken care of if the plantation is gone through from time to time with

a cultivator or hoe as it should be. One of the most troublesome insects that will be destroyed by the cutting out of the old canes, is the raspberry cane borrer. These, however, are not always confined to the old canes but are apt to work in the young shoots as well. Their presence is indicated by wilting at the tips of the canes. This insect is very common in wild raspberries which are often noticed to have their tips wilted during the summer, Cultivated canes thus affected should be topped well below the wilted part in order to be sure of getting the grub which often place of the butter-making competipenetrates well down into the cane. The cuttings must be burned.

Having completed the burning of the old wood and the infested canes There is a tremendous difference be- a thorough spraying with bordeaux mixture should be given. be either the ready mixed commercial sort, or the 4-4-40 mixture made from four pounds of copper sulphate, 4 pounds of unslaked lime, and forty gallons of water. Circular No. 9 "Common Garden Insects and Their by the Dominion Entomologist, thus describes the preparation of bordeaux.

"Dissolve the copper sulphate (by suspending it in a wooden or earthen ressel containing 4 or 5 or more gallons of water). It will dissolve more quickly in warm water than in cold. Slake the lime in another vessel. If the lime, when slaked, is lumpy or granular, it should be strained through coarse sacking or a fine sieve. Pour the copper sulphate solution into a barrel, or it may be dissolved in this in the first place; half fill the barrel with water: dilute the slaked lime to then stir thoroughly. It is then ready for use. (Never mix concentrated milk of lime and copper solution.)

A stock solution of copper sulphate and milk of lime may be prepared and kept in separate covered barrels throughout the spraying season. The quantities of copper sulphate, lime and water should be carefully noted. Bordeaux mixture deteriorates with age and should be used as soon as made. To test bordeaux mixture, let a drop of ferrocvanide of potassium solution fall into the mixture when ready. If the mixture turns reddish-brown, add more milk of lime until no change

It is expected that at least 200,000 children will visit the Canadian National Exhibition on Young Canada's Day. They will get free admission.

takes place.

Farm dairy equipment, demonstra tions and milk tests will take the tions at the Canadian National Exhibition this y