Troubles of the Cucurbits.

tack cucurbits are the yellow beetle, scalding water.

gullons of 3-6-50 Bordeaux. Linne with the finger. If the material can be able improvement in the stock marketand made of aluminum and celluloid.
They are attractive and that in many districts to the lake which burneth."

Chores are a big job for most of us

They are attractive and same to add

They are attractive and same to a same to add

They are attractive and same to a same to add

They are attractive and same to a same to add

They are attractive and same to a same sulphur is sometimes used with good drawn out in a long cobwebby thread, ed, and that in many districts to the wilt disease as none of the which bulls were loaned five or six on working days. I once saw a man betting your life that there is a God." feed over a dozen horses, making a effect in conjunction with the arsenate it is the wilt disease, as none of the vears ago, farmers have felt warrant, betting your life that there is a God."

They are attractive and seem to add to the appearance of the follower cannot and will not be idle.

The means not only believing it with separate trip to the oats barrel for worm water is excellent. It kills disease except prevention. A rotation their own. As a result, department-loaned sires are released and sent to more needy districts. This is of value when shipping breeding stock to unknown customers.

Aluminum bands can be purchased which are sealed with a soft metal find happiness, health, and true nobility in labor. Moreover he will gladly cult as the task may be let us released to the Serious of the world.

the vine crops appear, feeding this beetle" should be the slogan of the evidence of the economy practiced in sold as breeders they can be banded as soon as the cucurbits come. Many

The melon blight or rust appears year 426 bulls whose usefulness had will always be able to distinguish produce and pay me profits as it gardeners take advantage of this and about the time the melons begin to become impaired were sold for an them from his own stock even if the should, unless I know my soil. plant early squashes as "traps" for set, appearing near the base of the average of 67 per cent. of their birds are very similar. the beetle, killing them by pouring on plant in the form of round rust- original cost.

which bores into the stems of melons, the patch looks as though a fire had of rye as a forage for the pigs is that clean, cool water during hot weather know. cucumbers, and squashes near the run over it. After it has attacked a it furnishes a supply of green food and that unless it is furnished the ground about blessoming time, where vine, there is but little use of sprayduring the seasons when the ordinary best results cannot be obtained. Keep how stormy the day, I can go to this by a yellowish excrement on the out- the vines begin to run and repeating side of the stem. The only way to kill every week or ten days until the crop them is to split the vine carefully with is matured. a sharp knife and remove them, covering the wound with fresh earth. Trap plants are often planted for them as in the case of the yellow beetle.

The squash bug, often called stink

WOOL Pack up your lot and ship to us. We do the rest-fair gradinghighest prices-spot cash payment. Try us.

WM. STONE SONS, LIMITED WOODSTOCK, ONTARIO Established 1870

American GALVANIZED Steel



CANADA

which they are numerous should be strength usually applied to plante will be strength usually applied to plante Aithough the grower of melons, cu- which they are numcrous should be strength usually applied to plante, will cess all the time to a fresh, clean sup- man life. It is the law of living to- sporting field. He will play the game cumbers, squashes, etc., is especially pulled and burned. Flat boards may destroy any mites that it hits, but it ply in clean diseases, be laid on the ground in the patch, will cess all the time to a fresh, clean supplied and burned. Flat boards may destroy any mites that it hits, but it ply in clean diseases, be laid on the ground in the patch, will cess all the time to a fresh, clean supplied and burned. Flat boards may destroy any mites that it hits, but it ply in clean diseases, and we must love, and we must love, and play it fairly and justly.

The life is the point where I want my furrow at the point where I want my furrow at the point where I want my furrow are numerous should be considered. The life is the point where I want my furrow are numerous should be interest.

the lime and gets some of the beetles half pound of chipped laundry soap in The Undesirable Scrub Bull. that the line fails to drive away. | a gallon of hot water, and adding two Che da s are often used in place gallons of kerosene while it is boiling of lime, as land puster, road dust, to- hot. This mixture must then be churn- the scrub bull, is being gradually

ground. Besides acting as a repellant, of whale oil soap in fifty gallons of this bands show up more plainly than the hurtful, the recreations that debase,

deaux mixture, which is the best, as it is a fungicide as well as a repellant. Arsenate of lead is usually mixed with Arsenate of lead is usually mixed with a second statement that where these bulls have a number and the bands must fit to bring and cause a confusion of the laying that every securely so that none will be content to bave been rearrus and underleving. Assentice gain, or property, or even life they doubted God's ability to bring and cause a confusion of the laying that every securely so that none will be lost sacrifice gain, or property, or even life they doubted God's ability to bring they doubted they were not prepared to find the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the bands must fit to be a number and the Arsenate of lead is usually mixed with Cut across a wilted stem and let the statement that where these bulls have records. Some breeders buy the large they doubted they were not prepared bands which are colored to give themselves heartly to serving those high plans. They have their it, about three pounds of lead to fifty slime coze out, then touch the slime been used there has been a consider numbered bands which are colored christian will be a worker. The Christian will be a worker those high plans. They have their helped.

rest. By pouring a barrel of water on succession on the same ground, will more needy districts. This is parbreeding stock to unknown customers. It is also proved that with His Father, who is our a gallon or two of coal tar and letting help to prevent it. All diseased plants it stand a day, then sprinkling on the should be removed as soon as they the number loaned decreased from 200 the bard and that with His Father, who is our came on this farm, I arranged all the bard and that with His Father, who is our came on this farm, I arranged all the bard and that with His Father, who is our came on this farm, I arranged all the bard and that with His Father, who is our came on this farm, I arranged all the bard and that with His Father, who is our came on this farm, I arranged all the bard and that with His Father, who is our bard our Helper "all things are buildings, except the barn, as we it stand a day, then sprinkling on the should be removed as soon as they should be removed as soon as they appear It is spread very rapidly from in 1916 to 62 in 1919, while in Alberta buildings, except the bands will not be lost. Bands cost true comradeship and brotherhood in Father and our Helper, "all things are buildings, except the barn, as we wanted them. There are no long plants, an effective spray is made. should be removed as soon as they plants, an effective spray is made. the bands will not be lost. Bands cost true comradeship and prothermood in Patrick and Sasketsharm the lossing had in page labor. Even in competition with possible." The yellow beetle is usually ready plant to plant by the yellow beetle and Saskatchewan the loaning had into remove them from birds that are for business at least a week before and other insects; hence "get the creased. It is interesting to note as marketed for meat. When birds are

pure kerosene or scalding water. | colored spots which rapidly spread The squash vine borer is a grub until the leaves die. In a week or so

Controlling Chicken Mites.

Probably one of the worst nuisances that the average poultryman has to had an opportunity to study agricul- to run off, cisterns, and tank wagons if thin, well-mellowed, well-fertilized, He is a hard bug to kill, not succumb- doesn't take a very exhaustive exam—things which we Canadians can a more profitable and more permanent laid with hardpan, or if a washed hillblame the hen for not being interested importance, is the high value which care and attention European farmers a complete picture of the farm before and she does not relish the thought of nestling among them. Without chickens retarded as well as affecting

About a week is required for the mites to develop from the egg to the stables they piled the manure neatly, procession and hauling the wagon I can also read on this map just the dura from the cuttle being make. adult and each female lays about the dung from the cuttle being mixed after her. I was surprised to learn the acreage for wheat, or that best veal calves, but they never make veal calves. If you want fat year twenty-five to thirty-five eggs, so it is seen that the rate of development is chickens and if they had they ha seen that the rate of development is chickens, and, if they had them, that throughout the day, returned at night going over the farm to hunt the spot.

Salves at six or eight weeks old I know of nothing that will take the place that the mites have blood during all kept in a moist state, water being

no half-way measures will give relief. with fire-fang or burning. The liquid price of commercial fertilizers, with If they are to be controlled energetic drained into a cistern from which it the need that the world has for food, methods must be pursued. Inasmuch was pumped into large tank wagons. manure and livestock have come to be as there are but few mites on the chickens during the day time and as a was pumped into large tank wagons. This most valuable part of the ma- of more significance to us. And as the naver runs away from them. chickens during the day time and as a nure was thus taken direct to the population of our country increases, never runs away from them.

best time to apply remedial measures. The first thing to do is to remove ready for the application of a good nuecticide.

Crude petroleum is very effective and retains its killing power for several weeks, and in most localities it is fore spraying so as to remove any underneath. foreign particles that might tend to Water is very important for old been before us in all the lessons of comradeship. He will regard healthy

The easiest way to treat plants for their presence. They congregate in have been treated thoroughly with remain in the troughs or dishes after his world, his inspiration, his life. attack before the grower is aware of replacing the roosts be sure that they the yellow beetle is to use some form masses on the foliage, starting with some insecticide so as to kill the mites the poultry has finished eating beof repellant. They abhor dust of any three or four but soon increasing until hiding there. A coat of whitewash, in cause it soon spoils, and reduces the "I say to thee, do thou repeat kind, and many odors are offensive to the whole plant is covered with them. Air-maked lime is very comThey may be repelled with tobacco acid or cresol has been added, will aid eat it in considerable quantities. They monly used. It is generally scented dust sprinkled directly upon the lice, greatly after the insecticide has been es digestive troubles. with kernome, turpentine, or carbolic or by tobacco stems placed on the applied and dried. It not only helps Do not feed the young and old stock seid. As the beetles spread so rapidly, ground around the plants. As they are in the general control campaign but in the same place and at the same it is important that the lime be on sucking insects, the poisons that kill also gives a clean appearance to the time; the young ones need all the food the plants all the time. Therefore, the yellow beetle have no effect on coop. A dust bath for the chickens that they can eat while the old ones, they should be dusted when they first them. If a spray is used, it must be gives much relief but, at the time if given such an opportunity, will

That invariably defective animal,

If there is not plenty of natural shade to protect the fowls and chicks quite cheap. If used as a spray it from the sun's rays, make shelters of of kerosene to four parts of the crude the coops a food from the ground so oil. It might be well to strain it be- that the poultry can find a cool place

Useful Leg Bands.

two latter do not need anything to seent them with. Tobacco dust is especially good. Instead of the emulsion to fifteen or health, and knowledge, and friendship, part of the emulsion to fifteen or associations in newly settled districts and in backward sections of the older of the dust, and in backward sections of the older of the Christian army seek to secure author and finisher of my faith." tobacco stems are sometimes used and twenty parts of water. Another good and in backward sections of the older provinces, is doing much towards as breeders. The double coil spiral the habits and indulgences which are they have a high fertilizing value. Water. If the lice have such a start water water water is beginning to die, pull bands show up more plainly than the plant is beginning to die, pull bands show up more plainly than the plant is beginning to die, pull bands show up more plainly than the plant is beginning to die, pull bands show up more plainly than the single coil but they cost more money and the work which is destructive of ing of God's plans, we grow sceptical and the single coil answers all practical and the single coil ans

Irretend of dusts, some growers use often as destructive as the aphis. As sprays. The most common is Borthe vines are likely to wilt from sevtario 216, Quebec 759, New Brunswick have a number and the bands must fit ests of others, and will be content to have been "fearful and unbelieving."

The wilt disease of vine crops is often as destructive as the aphis. As Saskatchewan 539, Manitoba 220, Onthe vines are likely to wilt from sevtario 216, Quebec 759, New Brunswick have a number and the bands must fit ests of others, and will be content to be destructive as the aphis. As Saskatchewan 539, Manitoba 220, Onthe vines are likely to wilt from sevtario 216, Quebec 759, New Brunswick have a number and the bands must fit ests of others, and will be content to be destructive as the aphis. As Saskatchewan 539, Manitoba 220, Onthe vines are likely to wilt from sevtario 216, Quebec 759, New Brunswick have a number and the bands must fit ests of others, and will be content to be destructive as the aphis. As Saskatchewan 539, Manitoba 220, Onthe vines are likely to wilt from sevtario 216, Quebec 759, New Brunswick have a number and the bands must fit ests of others, and will be content to be destructive as the aphis. As Saskatchewan 539, Manitoba 220, Onthe vines are likely to wilt from sevtario 216, Quebec 759, New Brunswick have some spare time to do certain beautifying that every farm needs, and also to get away for a little va-

One of the most valuable features poultry, young and old, require lots of farm which tells me what I want to Twas tired of ticking all the time,

Two Farm Ideas I Found in Europe

By CHARLES P. HUNTINGDON.

and their combs pale, due to the insid- war for four long years. But when I care for, and so the few head they did loam plot because I get a good yield uous attacks of these pests. Many asked one farmer if it were a new possess were good ones. times conditions are so unbearable practice, which they had acquired that setting hens will desert their through the stress of war conditions,

nests and spoil the eggs, and instances he replied that as far back as he could Whenever they cleaned

stages of their growth and this is poured on it if necessary. Most of the ways had a super-abundance of things. One cow Keep the little chickens out of the with other grain, you can get a calf If these pests are at all numerous weekly, and so they had little trouble us. But with the skyward trend in the mornings, as it may chill them. the year they were able to haul it out or a ton of manure has meant little to dew-covered grass, especially on cool

I wonder how many such appliances haps we will learn that conservation there are on Canadian farms? Cer- pays. the roosts, if possible, as well as all of tainly too few. But with the increas- And in addition to the profits which the larger live stock on the farm. In

Europeans place on manure. Not a give their livestock. It was untiring, me at my fireside. drop is wasted, and it is returned in practical, and almost paternal. An its entirety, practically, to their fields. animal is, with them, almost a rever-The farmers in France and in Luxem- ent being. Once we had a good night's bourg do not live on their farms, but rest continually disturbed by the freduced and the growth of the younger in little villages, going to and from quent going out to the stable of the their fields daily. Stock, crops, and family with whom we were billeted. the quality of the flesh on the infested people are all housed under the same The cause of all this commotion was roof. And the manure pile is an a mare about to foal. Farmer and Their presence can readily be determined by noticing small areas on We used jokingly to say that we could days during this eventful time. The termined by noticing small areas on boards that have a speckled appear
or near by the size of the manual days during this eventual time. The foal arrived in due time and in excellent condition. And at calving time, ance, looking as if dusted with salt or poor by the size of the manure cellent condition. And at calving time, best, following corn stubble; I grow And now the clock is happy and pepper. This is probably their heap. And we were usually correct, at lambing time, and during the per- oats on a sandy loam soil, following For this secret it has found: excrement and cast-off skins. The mites themselves are probably hiding in nearby cracks in great numbers, where their eggs will also be found. In badly infested houses it is not unusual for the chickens to become a to the feet of the usual for the chickens to become weak to the fact that she had been in the more stock than they could properly I grow our potatoes in a yellow sandy

The cattle received their care from the black loose loam will not give. the women. Cows were used to supply I can put this map on the table durhave been known where the hens have remember his father had taught him been killed while on their nests, due that his success as a farmer would burden. A sight which I used to be water this tile-drain outlet is carry. grow calves fairly well with substifarm, the tools, and the local markets milk, to produce a calf each year, and ing a wet, stormy day, and tell almost extremely interested in was to watch ing, and just how much that lateral into grand that column do now much that lateral into grand that column do now much that lateral into grand that column do now much that lateral into grand that column do now much that lateral into grand that column do now much that lateral into grand that column do now much that lateral into grand that column do now much that lateral into grand the best way to save labor. The the family—old men, women, and chil- in the back field is drawing from that and in a little time the calves got so out the calves his head to figure their fields with the family cow leading the anything but tadpoles and mosquitoes. and in a little time the calves get so out these things is the one who gets

and the demand for food grows, per-

The Sunday School Lesson

JUNE 23.

should be thinned by adding one part cloth, burley, boards or brush, or raise The Social Task of the Church (Review). Golden Text— Rev. 21: 3.

yet, if taken in time, most of these under which they crawl at night. In readily and so the application may As the chicks grow they require The life and ministry of Jesus Christ ed and active in all efforts to make the the early morning these may be lifted have to be repeated in about two or more coop room and unless more room was at the same time a revelation of home, the neighborhood, the business

In lane, highway, or open street, That he, and we and all men, move Under a canopy of love, As broad as the blue sky above."

Wood ashes saturated with kerosene that the plant is beginning to die, pull for \$368,596, an average of \$144.85 per tigel numbers. If the lice have such a start policy in 1913, 2,531 bulls, purchased and the single coil but they cost more money and the single coil answers all practical numbers. We wealth at the expense of a good continuous the single coil answers all practical numbers. the plants as they are rather strong. The wilt disease of vine crops is ish Columbia has had 119, Alberta 497, Saskatchewan 539. Manitoba 220, On- in the New Jerusalem are two classes, my brains more of the labor, co as to in the New Jerusalem are two classes, my brains more of the labor, co as to only fault has been that they have some spare time to do certain

cleg the nozzles. Pure kerosene, or fowls and young stock in all kinds of the quarter is that the Christian law and honorable rivalry as a form of

will he hate.

There is no limitation in the plan of thereafter until the danger is passed Kerosene emulsion is one of the best on the hens.

If given such an opportunity, will governed by love will seek worthiness passed away; behold an unings are be sometimes eat more than is at all as well as usefulness. For love, if it over with the word. All that has to slender note with its fluttering white even with the wolrd. All that has to slender pole with its fluttering white who loves. He will desire to be true do with the sin and misery of men cloth and again heard the plowman that so he may speak truth, to be will disappear and in its place there strong that he may help the weak, to will appear a new world beautiful with saying, "I keep my eyes on it all the baces dust, and cayenne pepper. The ed with a pump or otherwise for ten at Ottawa, by its policy of loaning the Church. Daily millions of men not on Christ. I resolved that, God there are only two classes the pullets and remarking purpose or the church. Daily millions of men not on Christ. I resolved that, God helping me, I would plow my furrows

In my bookcase is a good-sized map drawn to an accurate scale, and on Do not forget that all kinds of this map is an entire contour of my

map and tell exactly where each tile If I don't think it's time that I drain has its source, and just what kind of soil it is trying to drain. On And so it stopped, and Mrs. Brown this map is an accurate outline of each field showing just what kind of And oiled them with a feather, soil is in each section of each field, But she couldn't make it start, During the war I "got across," and stables, gutters which allow no liquid If it's sandy loam, it is so marked; and just what condition this soil is in. So, when she found her little clock bug is familiar to every vine grower. It things made a deep impression on me equipment. And with them is coming marked. If it is heavy clay, under-The first, and the one of greatest Secondly, I was impressed with the features are recorded. And so I have side, or if a depression exists, these But thinking, thinking, thinking hard

This map-making has caused me to study closely our entire farm, and it makes it easier to plan how deep or When Mrs. Brown came out next day shallow it should be drained for best results, just what crops to plant in

different fields, and just how to fertilize certain sections of these fields to Thus I grow barley in black loam because I know it will grow barley

of smooth tubers, with a flavor that



And murmured to itself: "There isn't anybody else That works so hard; I'm blest

Should take a little rest."

Took all its works apart Had really stopped for good, She threw it out among the junk

Doing nothing all the time Among the dust and grime, Until it saw the folly Of the thing that it had done. And then it felt so sorry

That it started in to run, She heard the ticking of the clock And gladly cried: "Oh! Good! My little clock is running now." And, with a beaming face, She took it back into the house

Than there is in loafing round."

And put it in its place.

calves to fatten when I am shy of that take minutes. milk to feed them?

with other grain, you can get a calf when he is four or five months old to be pretty good baby beef, but a veal "sick" and there are no indications of Brooder chicks have no mother to weeks old when he is fattened and it

If you would have healthy and vig- plants, use "Black Leaf 40," or some Denizens of the poultry yard will orous cattle, have the barn well light- other reliable brand of nicotine sul-

"LOOKING UNTO JESUS."

He was a good farmer; the furrows in the field he was plowing stretched like railway tracks to the fence of quarter of a mile away.

"How do you make such straight

The most common insects which attack cucurbits are the yellow beetle, the community and the whole world better.

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The most common insects which attack cucurbits are the yellow beetle, the community and the whole world better.

The community and the whole world better. the squash bug, the squash vine borer, and the aphia, or melon louse, is very out until after it has had a chance to and their strength is decreased loved us and gave Himself for us. Not superficially or carelessly, but as and their crowth checked, and in some The Christian who believes in Christ, a dilligent and earnest student he will be constructive and cons and the aphis, or melon louse; the destructive and sometimes whole fields dry. When spraying be sure to hit cases actual death results. This is a who seeks to follow Christ, who takes look upon the social and economic row; if you get a crook in the first cases actual death results. This is a Christian who takes look upon the social and economic row; if you get a crook in the first cases actual death results. Christ as his example and ideal, will movements of his time. He will not one, the rest have to follow it, for therefore desire to be governed by be a mere partison, or blind follower the guiding wheel of the plow runs in the same law of love. Love will be of some social creed. He will be will- the old furrow. Get your first one ing to learn, even if learning some- straight, and the rest will be straight

I reflected that as much depends on the first furrows in life as on the first furrows in the field. As I looked back over my own life and saw in it redemption which God has for the the many stretches of crooked plowworld. What has been the experience ing, and remembered that they all be-

Plan Work to Save Labor.

a bar of laundry scap in a pail of There is no known remedy for this ed in buying pure-bred animals of him no excuse for idleness. He will one's mind, but "flinging ourselves and find happiness health and true politic our energies after our belief." Diffi-

wanted them. There are no long walks in doing the work around our farmstead. The workshop lies between the tool shed, the house, and the barn. The automobile is kept in that shop. The brooder house is within 60 feet of the kitchen window, though the chicken park is three times as

far out as it should be. I have water piped into the barn. I do not use an engine for pumping, as I plan to use a motor when the power lines reach us. Instead, I have a hand-pump in the barn, which saves lots of water carrying and leading the animals to water. Nor do I need to stand out in all kinds of weather to

use the pump. I have saved a good deal of time choring by using a self-feeder for the hogs. A hog's time isn't worth even the five cents an hour that I as a farmer realize for my work!

For field work I have a tractor for this season. I don't know that I save much labor with it, excepting in getting a field prepared and seeded when in prime condition, which will sometimes save doing it over again. I have tried hitching a harrow behind a roller, but that is too hard on team. The tractor does that job easily. That saves labor.

Ours is a one-man farm, so the help question doesn't concern me much, unless I'm sick. When I hire a man I find he does his best if he works his own way. I tell him to put a field in corn. I then let him decide how to plow, prepare, and plant it. This treatment gives him a keen interest in the

I figure out ways to save minutes on many minor jobs like unharnessing a team. I find it saves a little time in harrowing or fitting a piece of land to start a few feet back from the end. Then, when turning, the end space isn't harrowed six or seven times more than is necessary. I'm still E. M.: What can be fed to veal learning that I do lots of fool things

Garden Notes.

Make plantings of carrots, beets and parsnips during June for winter storage. The roots are usually more tender and of better quality than those from the earlier plantings.

insect troubles, the safest plan is to dig out the diseased plants and burn

For plant lice on roses and other the unnecessary boards and boxes.

Clean the straw and litter from the nests and when this is done it will be of manure. Proper drains for our tage for our posterity.

And in addition to the profits which these practices bring is the joy of manure are coming to realize the true value of manure. Proper drains for our tage for our posterity.

And in addition to the profits which these practices bring is the joy of manure are coming to realize the true value of manure. Proper drains for our tage for our posterity.

Have you cane-seated chairs that to make it spread better. When using be sure that the insects are actually hot water to both cleanse and tighten.

of me a disn "In m Iam meat. "The tinuou were be par allow soldie three the

Baying ter ea wood mourne hardly a hungry w

me in so There French But th because dier of the It is at

gether, th drinks th To drink would sun disturban to try it.

chemistry.

Two sm

trate. The is tartarie soda water

projectile China ha fense fortr how to han

arsenal, de of French e dress all m in the hou New Ser

At Food

quite satisf You can't -they have

The large six feet in of Rostock, phie volume contains na