CONDUCTED BY PROP. HENRY G. BELL

The object of this department is to place at the serles of our farm readers the advice of an acknowledged authority on all subjects pertaining to soils and crops. Address all questions to Professor Henry G. Bell, In eare of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order in which they are received. When writing kindly mention this paper. As space is limited it is advisable where Immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be mailed direct



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insect lays its eggs in the cherry from year we sprayed them three times and them. The roots of some plants, best fitted for the wintering and winmenced again and finished in B.C. 516. other. The commotion was audible a

laws to be ripe they nad all rotted. This
menced again and finished in B.C. 516. other. The commotion was audible a
laws taxed to the limit whenever
a declaratory contest, a school conearly June until the fruit ripens. The they are rotting again. I would like ltaves of others, and flowers of others, ter fattening of beef cattle in East-This causes rotting sections of the Answer: The trouble is most likely fruit. The insect passes the winter in Brown Rot of Plums. This disease ment of Agriculture, Ottawa, for a roughages, clover hay is the crop that This causes rotting sections of the fruit. The insect passes the winter in affected cherries on the ground or spreads from spores which winter in that stay on the tree. No universally successful remedy has been developed. Deep fall plowing helps bury the insects that remain in the fallen fruit. Section with a major with a major

which I am cutting which will yield at ease, too. Answer: You need a fertilizer that the rest of the season and plant to corn next spring, or wait till I get a moderate growth of good healthy for shipment; if not they will mold, oats are good for growth. Peas are tain of the rites. With trumpets, The good as a feeding mixture, but are silven trumpets. The phone grown. Of grains, corn and the canes and produce the canes and produce the growth of clover and second growth of clover and the canes and produce the growth of good healthy for shipment; if not they will mold, oats are good for growth. Peas are tain of the rites. With trumpets, The growth of clover and the canes and produce the growth of growth of clover and the canes and produce the canes and produce the growth of growth of growth of growth of growth of growth of clover and the canes and produce the growth of growth about July 1st?

every blade of grass must be cut worked in by harrowing.

lead arsenate sweetened with brown lead arsenate sweetened with brown deaux mixture, strength 4 lbs. copper attracts the dwarf and another, it was the leave even the foundations standing the destroyed the temple in should be destroyed to the should be destroyed to t sugar attracts the fly and sometimes sulphate, 4 lbs. quicklime, 40 gals. they should be thoroughly washed and from the various cereals, of good qual-

next spring and sow it to buckwheat fertilizer on an average soil should carry 4 to 5 per cent. nitrogen and deaux stimulates growth as well as prevents most fungus diseases.

Spraying the potatoes with Bording the circular of the digestible nutrients in the mentioned feeds. A request to 10: 2), to provide an interlude between each of the three sections of the Publications Branch of the Detween each of the day and to increase the result of the pressive dignity came into the sculpture. Answer: I prefer the first method 10 to 12 per cent. available phosphoric you mention. Believe it will exhaust acid. Sometimes bone-meal is used the root system of the quack grass with good success. Either fertilizer most. Next summer the hoed crop should be spread between the rows at must have very careful attention and the rate of 500 lbs. per acre, and



in incubators and I am losing them incubator it might cause weak chicks. real fast. At night they seem all But I believe if you try plenty of sour right; in the morning their wings are milk and the balanced growing mash drooped and they stand humped up. that these chicks will do better and Some die during the day, and in the the mortality rate will decrease. morning there will be as high as four course, better results with chicks can and five dead in brooder. They are be obtained when they receive no setfed small chick feed, rolled oats and backs of any kind from the time they fresh water. They are now three leave the shell. It is sometimes diffiweeks old and do not seem to grow cult to bring back a flock that has

Brooder chicks might die from a great variety of causes. Lack of vitality in the breeding stock produces weak chicks. An over-crowding of the brooder will cause chicks to be-

chicks and helps to reduce digestive from attacking the cucumbers as this too well of the artificial life of the have had I devour it community and at mare should spend several weeks or

If the eggs were overheated in the become in bad condition.

Controlling the Cucumber Beetle.

means of producing a rapid growth. in the beetle control but its fineness spite of her never-idle fingers, her and lightning. I rever know what George B. Rothwell, Dominion Ani-It can be made of equal parts by of texture and its adhering qualities eyes sparkled with the brightness of question will pop up next, but I've mal Husbandman, favors the breeding weight of bran, middlings, corn meal, make it an ideal carrier for the arsen- youth, and her cheeks glowed with the endeavored to prepare myself for of heavy horses so that the mare will ground oats and beef scrap. If you ate of lead. It is also very effective freshness of health. All freshness anything within resson. I've studied foal in the fall, or any time between have only a small flock or lack of time in that it is a fertilizer and has a seemed gone, however, from the face up the last few years on foodstuffs, on September and December. If she foals to make a mixed mash, try using one stimulating effect on the plants, caus- of her friend. There was a dullness physiology, on electricity, on birds in the spring much of her usefulness

Fixing Over the Tenant House

I have heard of people making their, there was not room for more than six families fit the house, but when it to sit down at the dining-table and comes to making the house fit the have any room left to wait table. The thing except the bit of knowledge her business to live with her children are busy in summer, escapes in its inhouse all over and make it larger? I the living-room and the other above think there are very few men to-day the former bedrooms, each had large who fully appreciate what his tenant clothes-presses at one end and the history but I'll have to keep abreast fool positively when there is a shed

Nevertheless, there was one man in rooms was taken out and this made a red and bot are these same "good old days" that apnice comfortable diming-room. A large but as soon as the children get over your opportunities to attend lectures spring-born brother." If the date from Then I just sail right in an' help preciated and took an interest in his window was made in the north wall their shyness and get accustomed to and concerts, and visit art exhibitions which the age of the horse is reckoned. So she can sooner play, tenant and fixed his house all over. and the dish cupboard moved to this having you here, you'll have a chance if you wish, are inclined to pity the were put forward to June 1 from An' wipin' dishes then is fun— His tenant had three children and room. The kitchen was painted and to see for yourself what I mean. Why, 'poor mothers' whose lives centre January 1 the light horse would probable that any woman can be be any woman can be be be similar conditions. When I am helpin' May, there were only four rooms in the the other two rooms fixed up in fine Belle, you think that any woman can about their children, but—" and this ably benefit from similar conditions house, and those nothing to speak of. shape. A large sink and drain were be a mother, that the knowledge reparticular mother finished darning a as those the Dominion Husbandman I think, perhaps, when I grow up So he betook it upon himself to make put in the kitchen and much disagree- quired to bring up children is very long black stocking, found its mate, argues for. As it is, many a horse And start out then in life amends. There was a good-sized able work was eliminated, as well as slight indeed—but you don't know rolled the two into a neat roll and that is born in December is considered on the New Year's Day following to paint just "awfully." And the dish A verandah extending across the en- er, a successful mother, a mother who satisfaction—"your minds are only be a year old. cupboard was in one corner of this tire front of the house, was then put will be instrumental in raising up too apt to run in a groove, and a narliving-room. Then there were two on and the outside was painted. It good men and women, a woman has to row one at that. If we mothers are small bedrooms, so small, in fact, that made such a difference in the house be a regular walking encyclopedia. to be as successful in our profession by the time you got your bed up there that people going by often spoke of Forgot all I ever learned at school? I as you business women are in yours it is an attitude of mind. was no room left for dresser or table the new house that So-and-So put up should say I hadn't! I've had to re- we must study and learn and broaden or hardly any for yourself. Then, as for his hired man. They said he would member every bit I ever learned, and our outlook on life and the world in far as doors go, there was an opening not be able to get enough extra out of I've had to keep on studying ever general. but no place for the dear to go when his land to warrant such an expendi- since, just to keep up with the ques- "Forget what I learned at school? and butter-milk fed them. you wanted to open it. So doors were ture of money, but when they found tions my boys and girls are constant. With little folks to be taught their The dining-room and kitchen were ed. Is the hired man worth the price? "I once heard a lecturer on child with a thousand million questions to try rutbing the spot with the cut

Weeds That Are Worth Money.

One may well ask, "If nothing was quent at the Toronto and Montreal

water. Lime sulphur spray is giving put in a cool, airy place to dry. A ity, can be used to advantage in feed-D. M.: I have five acres of hay good results as a control of this diswhich I am cutting which will yield at ease, too.

Laying the roundations of any building, and especially of a description of any building, and especially of a description of any building ages—despite the boom for sunflowers with the boom for sunflowers of the school building is the most temple, was considered a very sacred.

Laying the roundations in feedof any building, and especially of a despite the boom for sunflowers of the school building is the most temple, was considered a very sacred.

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Laying the roundations in feedof any building, and especially of a despite the boom for sunflowers of the school building is the most temple, was considered a very sacred. and serves quite as well as a building ages—despite the boom for sunflowers rite. In older times a human sacrifice the people and made a strong appeal munity gatherings. So it naturally least one and a half tons per acre R. V.: What is the best fertilizer for especially constructed for the purpose. —the circular maintains that corn was sometimes offered on the occasion. for the continuation of the work on follows that the school be the centre of cured hay, half June clover and raspberry bushes that have just fruit- Roots shrink considerably in drying, silage is undoubtedly the most satis- (See 1 Kings 16: 34.) The priests in the temple. half quack grass. Which would be the ed for the first time? The soil is some weighing one-half what they factory for the winter feeding of beef their apparel; in their priestly vestbest way to destroy the quack? Plow gravelly and fairly well manured. weigh when green, when ready for cattle. All of the roughages should be ments of fine linen. The priests, of March, B.C. 516. as soon as the hay is off and work well Answer: You need a fertilizer that shipment. They should, of course, be home grown. Of grains, corn and the guardians of Land the guardi

Poultry houses need special care will secure a copy. during summer months, if flocks are to be kept free from disease and para-

Fattening Feeds for Cattle. Complaint recently has been fre

created in vain, of what use are markets of the number of unfinished weeds?" The answer is simple, for or badly finished cattle that come forsome of our most important medicines ward. Not only do they depress are made from the most mediocre of prices, but they are so slow of sale weeds and herbs. For example, bur- that there is little or no profit in their dock, which has caused more than one handling. In Circular No. 106 of the man to use cuss words, is used as an Dominion Experimental Farms, Mr. alterative in skin and blood diseases. G. W. Muir, Animal Husbandman,

If you want to try your hand at into three classes, dry roughages, sucmentioned in v. 7. These included the After the foundations had been laid.

In the Foundations Laid, 3: 10-13. long way off.

II. The Temple Completed, 6: 14-16. cert, or anything of a similar nature.

After the foundations had been laid, is staged. Pageants designed for not so often available as the other ments of about a yard long and with grains. Statistical tables are given in a bell-like end, were blown to an-

Keeping Up With the Children

By Margaret A. Bartlett

Two women, classmates, met for the I never was able to snatch that hour traditionally held that David had in- tending service should bring at least traditional tr first time some fifteen years after out of my busy day. But instead of stituted the musical service of the one candle. The first man who arrived itself it is a benefit to both school and their graduation. One was a business living with my children just an hour V. 11. The music of the temple was of the candlesticks, then others who after leaving school will be efficient woman, fairly successful in her chosen each day, I have endeavored to live rendered by two choirs who sang anthe wife of a moderately-salaried "In the midst of my ironing I have sing, "O give thanks unto the Lord; the place was illuminated. Every true whither their interests may lead

An easy and effective way to consmall vine-covered house which had a cake I have had to go into the whole their trumpets, the Levites struck was sinking.

The great ship which is to complete their co come droopy and stunted. Overheat- trol cucumber beetle is to dust with become truly "home" by means of their cymbals and the crowds of the they thought, must be lost; the best minion Dairy and Cold Storage ing in the brooder is a common trouble a mixture of arsenate of lead and much planning and saving, and talked cager young listeners. During d'uner people shouted triumphantly. This that the Church could do was to save branch, undertook to explain how the during hot weather and just as seriland plaster. A very effective formgaily of old times, the mother all the cat. A shower comes up of an afterthe foundation stone was laid in its is a much more ambitious one. It is Poultrymen are generally finding weight of powdered arsenate of lead as she endeavored to lower the huge mean when I am sewing, and I have place. that the growing mash before the to twenty parts of land plaster. pile of stockings that towered from to explain to the best of my ability chicks at all times is one of the best Land plaster itself has little effect the work-basket by her side. Yet in the why and wherefore of thunder When Mares Should Foal. of the commercial growing mashes. ing them to mature and fruit early. in her eyes and a lack of natural and flowers. Whenever I've come for work is lost. Under ideal condi-

> "Fifteen years!" she mused reminiscently. "Fifteen years since we left school. Does it seem possible, Marion?" she asked, with a laugh. "We like to look back on those years at school, but, really, Marion, what do

The women sat on the porch of the the blood spurted out. While making people shouted. The priests blew on people from some great ship which In a recent address Miss Helen G.

history, but I'll have to keep abreast foal, particularly when there is a shed

anything about it. To be a real moth- placed it on the table with a smile of on the New Year's Day following to An' then I'll need a wife.

The Sunday School Lesson

AUGUST 6

The Temple Rebuilt and Dedicated, Ezra 3: 10-13; 6: 14-16. Golden Text-My soul longeth, yea, even fainteth with almost any branch of study, and for the courts of the Lord.—Ps. 84: 2.

Lesson Foreword-There is no sec-, V. 12. Ancient men, that had seen address on some phases of music in The seeds are also used medicinally to gives as facts of moment to breeders tion of the history of Israel so diffi- the first house. The original temple a limited extent. Yellow dock, with a and feeders of beef cattle: first, that cult to unravel in its historical se- was destroyed in B.C. 586 and the root as long as your arm, is used for few animals are sent to market suffi- quence, as that which followed the foundations of the new temple were purifying the blood and in the treat- ciently finished to command the best return from exile. The following laid in B.C. 536. Thus there was a who neglect to pass lightly over this ment of skin diseases. Dandelion is price; second, that prices for finished used as a tonic in diseases of the animals are always highest between in B.C. 586 the Babylon- houses and the older men could re- part, "greatly limit the breadth of used as a tonic in diseases of the animals are always highest between liver and in dyspension. December and April, third that the liver and in dyspension with the liver and apply that the liver and in dyspension with the liver with liver with the December and April; third, that the that for many years it was a heap of stood there in their youth. Wept with It is a universally recognized fact Weeds are a necessary, useful evil. Canadian public discriminate against ruins. The people who were not car- a loud voice. Possibly they wept be- that the chief asset of a nation is its While they cause backache, they also frozen beef, which means that were ried into exile, meanwhile performed cause the new temple was, in its plans, children, and conditions surrounding cure it. Soapwort, May-apple, poke- the markets kept supplied with fresh their ceremonies on a rude altar in the disappointingly insignificant as comcherry tree? It was set out last spring and came on just fine, but this year all the new leaves are covered have dried, burn them.

Weed, degwood, white clover, spike-nard, wild ginger, dandelion, elecam-pane, burdock, and dozens of other year all the new leaves are covered have dried, burn them.

Weed, degwood, white clover, spike-nard, wild ginger, dandelion, elecam-pane, burdock, and dozens of other weeds for example, can be turned into classed as export steers are sufficient-leaves and they lived over again in their ceremonies on a rude altar in the disappointingly insignincant as coint their ceremonies on a rude altar in the disappointingly insignincant as coint their ceremonies on a rude altar in the old temple area. Soon after the first pared with Solomon's temple; it is also likely that they wept because the matters of the greatest importance. Whatever concerns the children of a classed as export steers are sufficient-leaves are covered by the community, interests the people. with black lice. I have sprayed with

A. P.: We have two yellow plum money if gathered and cured in the ly finished for the trade, hence winter sition offered by the Samaritans, part- the exile. weeds for example, can be turned into classed as export steers are sufficientmoney if gathered and survey in the ly finished for the trade because of the oppohearts the disasters and sorrows of "There are many instances of parthem for the first time. About three The two essential things that must Quality rather than quantity counts in could not afford to go on with it and for sadness and the younger men drive over several miles of bad roads finishing of such steers is advisable. ly because the people were poor and V. 13. The older men wept aloud cial duties in other lines, who will Ancwer: The pest affecting your weeks before they were ripe they be kept in mind in turning these drug improved trade and better prices.

partly also because those who returnshouted for joy, and thus the sounds to see their boys and girls take part Ancwer: The pest affecting your cherry tree is undoubtedly the Cherry Fruit Fly. Sanderson says that this to be ripe they had all rotted. This best fitted for the wintering and win
The pest affecting your weeks before they were ripe they started to rot. By the time they were plants into money, are to know which plants to gather and where to sell cular proceeds to deal with the feeds of Haggai and Zechariah, it was common them. The roots of some plants best fitted for the wintering and win
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The roots of some plants best fitted for the winterin

partment of Agriculture at Ottawa the psalm of the day and to increase pressive dignity came into the sculpa joyous uproar of the people, Ps. tor's features. It was the result of greatest fide most suitable means by which a child most suitable means by which a child experience sites. Hot weather makes pests most active and injurious. Keeping the hen-houses and yards sweet and clean brown cow to give me some milk and the hereditary choirs who furnished the hereditary choirs who furnis green food are apt to droop and become unhealthy. Shade during the helps greatly to check their attacks. her husband chased me!"

Among the Levines were the Le the sons of Asaph and the sons of must have ennobling influence over popular, and the brass instruments Korah. With cymbals; bronze discs our lives. which were held in the hands of the Dr. L. A. Banks in one of his books the choice of an instrument and enperformers and struck together. They tells of the religious meetings he at- couragement to continue in study and were used to furnish an orchestration tended when a boy living on a farm in practice will make it possible to arthe marking of time—for the chant- the backwoods. There were no lamps rive at that most desirable goal of

10,000 inhabitants, and was the moth- about the circulation of the blocd, the respond, "For His mercy endureth lumination of the world. er of four happy, healthy, intelligent subject having been brought up by a frequent form of liturgy at the Writers and preachers of other days were ford of comparing the Church

Sour milk is a fine developer for It is necessary to keep the beetle color in her face, which bespoke only across an article touching in any way tions for the foal, the heavy brood on any talk that the children and I may should spend several weeks or chicks and helps to reduce digestive from attacking the cucumbers as this disorders. A grassy range is a great insect also causes the cucumber wilt business world. Wearily she leaned the first opportunity give the children have had, I devour it eagerly, and at the better part of the summer on the first opportunity give the children have had, I devour it eagerly, and at the better part of the summer on And go on errands for the folks the first opportunity give the children pasture. By foaling in the fall the the benefit of my additional knowl- mare will raise her offspring at a time when ordinarily she would be idle But when it's wipin' dishes-no, "I have heard mothers pitied be- or comparatively idle. That the foal cause of the 'narrow life' they lead, may be strong and healthy, the mare I dodge the job whene'er I can. and because of the mental stagnation should receive gentle exercise or light that is sure to result from a quiet work that plenty of fresh air may be home-life, but I certainly fail to see forced through the lungs. The fall- But lately there has come to town stagnation in a mother who makes it vidual, avoids the tantalizing flies that She runs and plays just like a boy, that has had directly to do with my and grow up with them. And the fancy the trying heat, and does not older they grow the more active my have to follow a hungry mare over a We make long trips together times The good mother smiled in her turn. mind will have to be. I'll not only have scant pasture. A few hours a day When she can get away. "You wouldn't say that if you had to brush up on my school-day algebra spent in the barnyard in the winter She's kind o' pretty too, I think. helpful for his family. And still, per- from the living-room, and a cellar deal of school-work for you to do?" the boy whose interest centres about says Mr. Rothwell, "the foal is weaned To see if she can go "Why? Do they bring home a great of the times in order to keep up with or shelter of some kind. "Finally," And when I call of afternoons haps you, yourself, were in the ten-stairway was added under these. Then

The mother laughed. "No that isn't electricity, and with the girl who plans from his mother and faces the more I find she has some work to do Nevertheless, there was one man in rooms was taken out and this made a Ted and Dot are in school, you know; "I know you business women, with different condition from that of his

Modesty is not a matter of clothes;

The young chickens and hens will return a good price for skim-milk

It is said that when Michaelangelo carried on in connection with school was carving his famous statue of work with a considerable degree of

bookkeeper in a town of fewer than had to carry on a lengthy discourse for He is good," and the other would worshipper adds something to the il-

nothing less than saving the race.

As any fellow should;

Now, really, wouldn't you?

And won't it be a lot of fun When I come home at night, To find a table set for two And supper cooked just right?

An' after supper I'll get up, An' to my wife I'll say: "Come on; I'll wipe the dishes now,

scorch will be gone in a short time. mach during warm weather.

Music in the School Helps All the Other Studies

Music can be interestingly correlated still be a recreation and a diversion to the pupils. This was the key to an our schools that the writer lately had the pleasure of hearing. "Teachers

of community interest, and that its

mental performers. Even in small schools this branch of music is being

relative, and to show how Women's Institute could aid, in making this argument was that good food made good citizens, and that there were no purer nor better foods than the products of the dairy. The benefits derived in particular from the liberal consumption of milk, especially by children could not be over-estimated. Health officers, without exception, took this view. Tests made with school-children in different cities confirmed its truthfulness. truth was forthcoming that not only were the children benefited by a pientiful supply of milk physically but also mentally. Children who ecnsume milk regularly and plentifully were stronger and more active and advanced more quickly in their studies than those who either manifested a distante for milk or were deprived of it in their diet. Miss Campbell quote! experiences at several cities in substantiation of these assertions. It could not be otherwise than that children so nour-

ished should become the best citizen; Herbert Hoover, the famous ford controller and director of relief for the United States in Russia and oth r famine-stricken countries, had declared that the greatest cruelly to any nation was to deprive it of its dairy cattle. With an abundan e of cheap dairy products in this count v there were yet many undernourished children in every province because of the failure of parents or guardians to appreciate the value and importante of milk products to the development of mind and body. Surveys con a t d by dectors, nurses, and other welfare workers had established this fact, and had also revealed that undernouris children from this cause were to be found among the well-to-do classes ... well as among the poorer. Such children are frequently to be found in the farm home. As well as the impro oment of health generally, consump i a of milk leads to the formation and retention of good teeth.

The dining-room and kitchen were ed. Is the hired man worth the price? "I once neard a lecturer on child with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions to try running the spot with a thousand million questions. It is the hired man worth the price? "I should say not! To keep edges of an onion. Lay the garment who is the sun and every place of the tained by forcing them to eat more talks to-morrow." The man who talks to-morrow" was stating a proOCEAN THE

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fit for the

Let him str his face is all gible to pers leg t or arms aw t he is my