Conducted by Professor Henry G. Bell

The object of this department is to place at the service 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 care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order in which they are received. 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.

H. S.:—1. What is the best variety gallons of water. This should be of spring wheat? Would sod plowed up last fall be good for wheat? 2: ly after being mixed. Of course it is not necessary to mix up all this quantity at once, but keep the stock or late in the spring? 3. Do you recommend white blossmed sweet clay. or late in the spring? 3. Do you recommend white blossomed sweet clover for pasture? Does it make good pasture for all summer?

Answer:—1. Marquis spring wheat seems to be a good variety at the present time. It has been tried in comparison with other wheats at fewer substitute of the property of the p

present time. It has been tried in comparison with other wheats at Guelph, and as an average of three years' test it gave a yield of 41.2 bushels to the acre. It is early wheat and is giving particularly good results in the West. Fall plowed this time arsenical sprays, such as thoroughly disked and harrowed. lead events or diluted Paris Green. ults in the West. Fall plowed this time arsenical sprays, such as thoroughly disked and harrowed, lead arsenate or diluted Paris Green ould make a good seed-bed for hould be sprayed on the foliage so as to control the leaf-eating larvae.

After 10 or 14 days another applicawheat. In order to insure a good stand of wheat, and especially a good catch of clover and timothy, I would advise you to fertilize your wheat with about 200 to 300 pounds of ferti-sary. about 200 to 300 pounds of ferti-carrying 8 per cent. ammonia, to 10 per cent. available phos-c acid. 2. In preparing the hold for peas if volume are strictly as a superior of the body for peas if volume are strictly as a superior of the superior of the you kill smut in oats? 3. Do you rephoric acid. 2. In preparing the seed-bed for peas, if you are spring plowing, do not go below five inches, if the land is of medium loam type. As to time of seeding, O.A.C. tests show that best results are obtained mixture giving good results at the present time is composed of one show that best results are obtained when peas are planted about a week the season opens; that is, sow wheat, barley and oats about a week Late sowings do not give as good results a peas sown at the time indicated. 3. Some stock men claim that their cattle thrive on sweet clover. Others claim character cattle do not take to sweet clover passweet clover plant lasts for two years. It makes a rank early growth and if the stock will eat it, an abundant growth should supply them with a onsiderable quantity of nutritious

mixture giving good results at the present time is composed of one bushel of oats, one bushel of barley

clay loam. After selling my farm I moved to the city and my lot is sand. Last year the blight struck my potatoes and they did not do very well. I use manure. Would fertilizer be of use to make a quick growth and is there a special kind for sandy soil. Would it be proper to drop it in the hill or soweit broadcast? What is proper time to spray currant

Answer:—On your sandy garden soil you would do well to work in a considerable amount of leaves and considerable amount of leaves and strawy material. You will get good results from using a moderate am results from using a moderate amount of fertilizer in addition to manure and this other organic material. For sandy soil the fertilizer should consumption to the fertilizer should be a f tain from 3 to 4 per cent. ammonia, 8 to 10 per cent. available phosphoric acid and as much potash as you can obtain under present conditions, which would be from 1 to 3 per cent. In applying the fertilizer to the potato patch, you would do well to scatter a light sprinkling of about 20 pounds on a 200-square-foot patch. When you have opened the holes or made the Half Past Eight. trenches, preparing to plant the potatoes, scatter about 20 pounds more fertilizer, distributing lightly along the trenches or in the holes. Scatter a light covering of soil over the fertilizer before dropping the potator light past eight."

Half past eight's the meanest twhen I'm seated in, my chair, And I see my breakfast there, Then that little clock will chime! Then that little clock will chime! I looks father o'er his plate: "Hurry, son, or you'll be alte; lizer before dropping the potator."

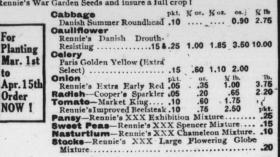
It's half past eight." pieces. Finish planting the potatoes n the normal way and results should After school, though, I do thingshighly satisfactory.

be highly satisfactory.

The blight disease is very destructive to potatoes. Therefore, you should spray your potatoes five or six times during the growing season, starting when they are just coming out of the ground. The spray magnetic starting when they are just coming for half past eight. out of the ground. The spray material to combat blight diseases is Seems to me I haven't read called Bordeaux Mixture. It is made by dissolving 5 pounds of lime Put his paper down, and—"Ma, In 5 gallons of water, and 5 pounds of copper sulphate in another pail containing 5 gallons of water. Then pour the two together and add 40 It's half past eight!



VPRY back yard should be used for the cultivation of fruits and vegetables"—says the Food Controller's Bulletin. Market Gardens must be worked to capacity. But all this effort is wasted unless the seeds sown are capable of producing sturdy, vigorous plants. Plant Rennie's War Garden Seeds and insure a full crop!



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TORONTO

BEFORE HE GOES TO SCHOOL

At Home the Farm Child Has the Best of Opportunities to Master His First Reading Lesson.

By Caroline Sherwyn Bailey.

present time is composed of one bushel of barley and one-half bushel of rye. You must avoid letting any of this grain come into head. Otherwise the straw will become hard and woody and the spreading leaves of the plant will dry up, reducing the value of the pasture.

By Caronine Snetwyn Balley.

The thy like to learn their A B C's.

Letters have a fascination for the minimum and because the straw will become hard and woody and the spreading leaves of the plant will dry tive instinct but to an unexpressed try. In this way using the sense of the plant will desire to solve the riddle of script and to the proposition with the sense of the plant will desire to solve the riddle of script and to the plant will the sense of the plant will desire to solve the riddle of script and to the plant will the sense of the plant will be considered to the plant will be

a good grass mixture of clover and timothy, possibly adding a little meatunity for receiving this first trainand ask him to find it for you, again dow fesce for hay, or if you have ing in reading."

ing in reading.

As early as possible he should know the names of the home furnishings, the farm animals, flowers, birds, vegetables, tools and whatever else and name the entire alphabet and, naming it.

This simple method carried out he sees and contacts in his home life.

He should be able to tell which articles are hard, soft, colored, shiny, dark, light, round, square, old and new. Whatever questions he asks at this time should be carefully answered and he should be encouraged to ing with the alphabet. This, too, ed and he should be encouraged to speak in sentences, well enunciated, rather than in disconnected phrases. though it follows important educa-

spreading leaves of the plant will dry up, reducing the value of the pasture.

2. Smut in oats can be readily controlled by dipping the seed oats in a mixture of one pint of formalin to 21 gallons of water. Prepare this mixture in a barrel. Put the oats in a fairly coarsely woven bag and lower them into this mixture. Allow them into the signs on the fences and the large headings in the newspapers and then take out the bag and allow the liquid to drain off. Empty the oats on a dry floor and keep them turn onto a dry floor and keep them turn of the pasture.

In a surprisingly short time, a child underneath the pictures.

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then take out the bag are and liquid to drain off. Empty the oats onto a dry floor and keep them turned sufficiently often so that they will dry out rapidly. The mixture of formalin and water contains a very penetrating gas dissolved in water. This gas kills the small seed spores of the smut disease. 3. Sudan grass is giving considerable results under long season conditions in Southern states. It is relatively coarse in quality for one common things and their qualities have a wide common things and the printed word. Two copies of a good primer or simple first reader should be used, one cut up and the pictures hand words on the child and play with these letters first, without suggesting any exercises with them. This helps him to become familiar with the form of each. Sorting the letters is the printed word. To teach the names of the letters is the printed word. To teach the names of the letters should give him a grasp of print and phonics (the science of speech who with their own ideas and energy have started the van of improvements. Then ask him to tell you its name.



INTERNATIONAL LESSON MARCH 17.

Lesson XI.-Jesus Sending Forth the Twelve-Mark 6. 7-13, 30 Golden Text, Matt. 10. 8.

Verse 7. He calleth unto him the twelve, and began to send them forth by two and two—His work in Nazar-

at things in the same light. Your request for oatmeal recipes is very timely. We're getting right back to half acres were cultivated last year. really tastes much better than the name would lead you to believe. Fry two large slices onions. Add a quart of water, half a cupful of chopped celery leaves, salt and pepper to taste, and one cupful of oatmeal. Bring to the bolding point, cover and allow work.

The total expenses amounted to \$74. The whole of Canada." But there was something so warm and genuine in the farm woman's recommendation, it made me feel sorry I had not put her famous hostelry to the total expenses amounted to \$74. The sale of potatoes netted \$252.40 to the good. The total amount of work done was 1,288 hours to the test.

That glow of local pride shining in the eyes of my hostens the

department. Initials only will be published with each question and its answer as a means of identification, but full name and address must be given in each letter. Write on one side of paper only. Answers will be mailed direct if stamped and addressed envelope is enclosed.

Address all correspondents for this department to Mrs. Helen Law, 235 Woodbine Ave., Toronto.

A Wheat Saver:—You're a very up-to-date and prudent person, Miss wheat Saver, and it's a pity there aren't a few more women who look

ter of a cupful of brown sugar. Stir tween two and three hundred pigs until it reaches bolling point. Put just beyond the city limits of Toronto. Into greased pudding dish and bake in She has ten acres of waste ground moderate oven for two hours. As and buys garbage from the city begins to crust flavor with vanilla summer for feeding purposes. I attract Remove from the fire and fall she sold seventy-nine h spread with a tart jelly. Both these recipes are rather out of the ordinary and serve as excellent dinner dishes.

fall she sold seventy-nine mass faces of seventy-nine weighing about 9,600 pounds at an average price of \$18 each. During the year she made \$1,000 in this way. letter there is nothing to prevent you at the front and one at home helping from starting a school garden this year and you will be doing something very much worth while if you pig.

Master had no time for such palaver.

11. Shake off the dust . . for a testimony unto them—This is illustrated in the account of Paul and Barnabas at Pisidian Antioch (Acts 13, 51), when the inhabitants had cast them out of the city: "They shook off the dust of their feet against them." This was a symbolical action indicating that they would have no further intercourse with them.

12. Went out, and preached that

der auch be abould be accountaged to speak in seminoses, well ennotes the principle of the price of the grant of the speak of the price of the price of the price books with large principle of the price books with large principle of the price of the price books with large principle of the price of the price books with large principle of the price books with large principle of the price of the price books with large principle of the price books and the price books are very location of the price books and the price books are very location of the price books and the price books are very location of the price books and the price books are very location of the price books are very location of the price books are very location of the price books and the price books are very location of the price books and the price books are very location of the price books and the price books are very location of the price books and the price books are

True Patriotism

By Katherine Glover
The farmwife and I fell to talking
of neighborhood things. I told her
I had been staying at the hotel in the
near-by town and she said with genuine concern, "Well, isn't that too bad
when you might as well have come to
our hotel! Travelling men who have
been all over the country say it is the
best in the whole of Canada."
From her window I could see the

From her window I could see the hotel, a mere shack. One could imagine there being a friendly host who would make one feel much mere welcome there than at a big, glittering hotel but one could hardly call it "the best in the whole of Canada." But

so that each boy received 25 cents and one cupful of oatmeal. Bring to the beging point, cover and allow work. Everyone who possibly can bould grow something this year and the country school is in a ideal position to beging point, cover and allow should grow something this year and the country school is in a ideal position to have a small garden.

Mrs. R. A. S.:—Surely you are a little mistaken when you say that it is plain rice pudding. Bring to a boil one quart of milk and add half a teaspoonful of salt and one-quarter of a cupful of oatmeal and one quarter of a cupful of brown sugar. Stir ance of the ways to which we are ac-customed.

I have been in the countries now

struggling in terrible war. Looking into the faces of the common soldiers in France, in England and in Germany, as they went back and forth to and from the trenches, and into the faces of those splendid women who are bearing so gloriously the heavy burdens of war, I saw the same look burdens of war, of the farmwife pride over the perfection of her village hotel. Only it is for love of country instead of a tiny village community that these soldiers and

these women are aroused. words, name them and group them into sentences. Small pictures can be cut out and mounted and the nouns naming each can be picked out from the game of angrams and laid underneath the pictures.

Simple reading directly from a page you and me doing their village tasks as best they could contributing to the upkeep of their communities because in the larger cities. There are large cardboard letters, small pictures with

words simplifies reading and accomplishes quick results.

Two copies of a good primer or simple first reader should be used, one cut up and the pictures and words mounted for constructing the stories.

Discreption of teaching reading leads to meet the construction of the composition of the construction of the composition of the compos

them. They were not to gad about.
"In that same house remain, eating and drinking such things as they give" (Luke 10. 7). They were not to indulge in the usual custom of accepting invitations from the villagers, for it was etiquette for the people to invite a stranger to eat with them, one after another. The heralds of the Master had no time for such palaver.

11. Shake off the dust . . . for a community to handle the problems

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