KITCHENER'S LOVE STORY

HER DUTY TO HER AUNTS FIRST

er's Romantic Attachment ish Lady Who Warned gainst Fatal Voyage.

being the woman-hater supposed him, was Lord A remantic love story about the life of the great hard and stern as he the world, cherished an lasting affection for a who died less than a was lost on the Hampady was a Miss Hutchr of a gentleman of neans who lived near cotland, an owner of ars of whose polished dorn the entrance of Church and other

oronie. and his lady love met in then she was a bewitchwith brown eyes and ut-of-doors complexion, e field marshal a stripleen, not yet entered the nsign.

he Refused Him.

ster sought the lady's age, but meantime two had become invalids. ole one whose ministrauld accept, and the last her duty, and she felt not then accede to Ters.

if letters passed beer and Miss Hutchiir lifetimes, but at the chener most of them A passage from one at were saved reveals. ant this Scottish lady me the bride of her t reads: "I must dehe duty that has been wrote Miss Hutchito her invalid aunts. another reason why it have become accusall life. For you there re, and you must have woman accustomed to and to presiding over ments. But always to your best friends is h of my heart." assian Voyage.

est of his life Kitchthe Germans the man whom the world ing upon no human Miss Hutchison with d also when he needelation and sympathy. is he wrote her coner all that was in his

empted to dissuade going on the fatal in May, 1916. But flexible against her have always been to be most loyal in t. You must try not now. The Czar himne to go to Russia,

GH CASTLE

9-

Recognized Strong. nnie Scotland."

te heart of Scotland satle is the heart A truly wonderful owers on a stone a wender that the g the recognized otland, in which to the state, from to an undesirable a could be hidden a until wanted.

ce for a desperate defy anybody to and it was a couneer of London, in te mediaeval equiull could have his emy absent-mindere in the castle f course.

which the ordin-Edinburgh Castle he crown room, Monors of Scotancient sceptre. wn worn by the ings and queens to Mary Queen of f Scotland is the valty-solid gold. s stones of many

Scotland" had an falling that of them. They were when he captured stolen away for ster's wife, who several baskets eame with pernor of the castle e. When she left overnor she carwn concealed in g habit, and the ere embedded in husband buried his church until them openly, were finally dug in a chest and

be the national

110 years.



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 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

The Business of Farming.-V.

I know what to use?" This question the following table: is asked in various forms, one man Now this was true of crops wheasks, "What do my soils need?" an- ther grown in England, Scotland, other, "What will pay?"

will be mailed direct.

profit from the crop that is grown. proper methods outlined. However, The soil must be in good mechanical actual application of this scheme of condition if air is to circulate therein doing things did not bring satisfacand if sufficient moisture is to be tion, for several reasons. Some of held in which plantfood can be dis- the most important reasons for this solved so that it can be taken up by discrepancy were as follows: the crop. These are nature's de- | (a) The mechanical condition of versally required. Moreover, for these variations in mechanical consweet reaction, hence sufficient lime growth of plants that the variations must be returned to keep the soil in chemical analyses had very little from becoming acid, under which con- bearing on the situation.

and materially increased their root his soil may be reported to contain ing to two ounces. If the baby does Supper: Bread and milk. A table-independent from ours. Our answer, "Nay, but we will serve Je- Next comes the duty of the people to that gives strength to the crop to not produce paying crops. Hence, the bottle of milk and cereal, after pas- TWO YEARS TO SIX YEARS-

Corn

Clover

Sugar Beets

Sandy Soil

Muck and Peaty.

takes it day by day.

be the great saving agent, hence soil.

great quantities of soil analyses were

Loam

Oats 50 bus.

Limestone Soil . . Medium to Low

Clay 1 Fair to Good

What Crops Remove From the Soil.

Then typical soils were analyzed and they were found to contain the

Plantfood Supplies in Soils.

They are carriers of exactly the same has not studied chemistry to full

nitrogen, phosphoric acid and potash, farming principles buys a piece of

in forms in which it will readily dis- land in a certain moderately good

ers any more than there is as to would have been entirely different.

that he shall continue that same busi- against him from the very start.

Within the memory of some of the type of valuable information, but

oldest Ontario farmers there was a while the merchant's taking of his

analysis. When the theory of plant- has on hand, it does not tell him a

feeding and plantfood supplies in the thing about how many pairs of shoes

take root in the eastern part of the of the soil tell anything but the total

North American continent, it was amount of plantfood of certain kinds

thought that chemical analysis would which the crops can take out of the

(To be continued.)

plantfood as is supplied by manure, appreciate t.e importance of

same plantfoods in the quantities shown in the following table:

Plantfood.

Nitrogen

Phosponic Acid

Low

Medium to Low

Fair

Fair, frequently

per acre.

20 bus.

40 bus.

2 ton

50 bus.

Nitrogen

Low

Fair

made, with the object of finding what How to know what to use. When to use and how much. First the crops it comes to using fertilizers the prac- were analyzed and it was found that tical business farmer is faced with certain crops removed characteristic the one great question, "How shall quantities of plantfood, as shown in

United States or Canada, or in any In our previous work we have out- other part of the world; hence the lined the great primary essentials chemist argued that if the soils were which to a large extent determine the analyzed and the crops were analyzprofit of the use of fertilizers. In- ed, that the exact amount of plantdeed they actually determine the food to apply could be determined and

mands. They are no humanly im- soils was so variable in different posed regulations, but they are uni- areas of similar types of soil and many crops the soil must have a ditions had so much to do with the

the bacteria on the roots of the were held in different soils in dif- The child between twelve and eigh- Corned beef, dried beef, game, kid-

ized. It is our object to clear up this report that the elements were found for twenty-four hours should be made EIGHTEEN MONTHS TO TWO has placed and the fact that they thought it to clares his own choice for himself and the town and the publisher of the You will remember that nitrogen soil to grow highly profitable crops. ed to body heat, it should be added to or cereal or scraped rare beef. Bread the act in our eyes. At the same time heartily with theirs. But Joshua regist disease and materially assists idea of anyone analyzing the soil and teurization. In warming the bottle Breakfast: Soft egg or cereal or a which case it does away with the in the laying down of starch in the telling exactly what to apply in be sure that it is not heated above small amount of beefsteak cut fine. frightful spasms and shortens the order to get certain crop yields fell one hundred degrees, as beef juice Butter and bread, glass of milk. course of the illness. When the question comes up, into disrepute, and the idea of soil becomes indigestible at higher tem- Dinner: Roasted or boiled beef, mut-"What fertilizer shall I use," you analysis as a final court of appeal in peratures.

Potash

Potash

Low

Fair

Low

unavailable.

Very Short

Plantfood Removed

Phos. Acid

ì	0	TO CERTA	
			The state of the s
	16		200
2			
		blades grow where only	y one grew before."

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WHAT YOUR CHILD UNDER SIX SHOULD EAT

First Symptoms of the Contagious Diseases of Childhood. By Helen Johnson Keyes

(So many enquiries have been received regarding a recent announcement in this column that we decided to publish this valuable information dition neither the free bacteria, nor (b) Various plantfood elements in full for the benefit of all our readers.—Editor.)

ferent chemical combinations, some teen months old should have five feed- ney, liver, ham, sausage stuffing. In our last article we tried to make of which could be used as plantfood, ings daily, with about four hours beplain the nature of the essentials of while others could not. Chemical tween them. To eight ounces of milk cumbers, onions, celery, radishes, letplantfood whether found in the soil, analyses of soils did not distinguish may be added two ounces of barley, tuce, tomatoes, beets, eggplant, corn, manure or in fertilizers. Lack of between the available and unavail- wheat, arrowroot, farina, or other pineapple. this necessary information has at able forms in which the plantfood was farinacious food. This should be Tea, coffee, and all alcoholic drinks. the full importance of the plantfood It was no uncommon thing for strained so that it is thin like a jelly preserves, jams, and candies. cooked very thoroughly and then Salads, cheese, rich cake, pastry, which the crop needed was not real- chemists to analyze soil samples and which will pour. The exact amount

terious or wonderful about them. It is sometimes hard for one who (1) Broil very slightly a piece of pulp. Supper: Bread and milk. lean steak an inch and a half thick, First Symptoms of the Contagious symptoms-sometimes not till the then squeeze out the juice with a Diseases of Childhood-Measles. (2) Chop finely one pound of lean headache, backache, sleepiness. raw steak, and let it stand in eight The rash usually appears about even fourteen weeks. It is a germ ounces of water in a covered dish the fourth day, first behind the ears, from six to eight hours in a cold on the neck, or at the roots of the of the sick room when there has been place. Then put the meat in a piece hair on the forehead. of perfectly clean, coarse muslin, and Measles is very contagious from these has been known to occur two twist out the juice. Season with a the onset of the symptoms for about years after the sickness.

little salt or celery salt. hour before the first morning feed- days after exposure. give from one to two ounces of It is often followed by broncho- plications, such as inflammation of orange, prune, or ripe peach juice. If pneumonia, an exceedingly dangerous the bowels are too loose, discontinue complication. Deafness, eye weak-Fair, frequently

this until they are normal.

but in a much more concentrated fact. Let us illustrate. Let us say a form. Complete fertilizers carry man who is not informed on general old the milk need no longer be pas- children.

solve and become available as plant. territory. He determines to raise Three meals a day, with a glass of years. food. Now, plantfood in this form is meat stock. Not knowing the breeds, milk between each, may be begun. very closely comparable to rich, he picks up a lot of calves, some of Cereals need not be strained, but may Pain in the jaw just below the ear teeth biting into the wood and metal easily digested food which you feed which do fairly well, others of which be served as porridge with milk over is usually an indication of mumps. parts till both are firmly bound toto young stock. The reason for feed- never make satisfactory beef animals. them-preferably no sugar. If the Sometimes there is headache, back- gether. Of course, this does not aping this easily digested food to the Now he has a type of animals from teeth are well advanced, from one- ache, vomiting, and low fever. Dry ply to all wooden handles, but only stock is to give them a healthy, vig- which to produce meat,-he has cathalf to one tablespoonful of raw mouth, swelling. orous start in life. The same reason the; but the farmer who knows, could scraped beef or mutton may be given It is mildly contagious from the to a large extent underlies the use go to his barn and tell him that he at the midday feeding three times a first symptoms until about ten days of fertilizers on crops. Fertilizers might feed Ayreshire or Jersey calves week. Chicken or mutton broth, from after the swelling subsides. are not stimulants, they are food, all their lives and still not produce which all the grease has been remov- It develops from seventeen to Frequently we are asked if a man good beef steers. Had he picked out ed, may be given on the other days. twenty days after exposure. uses fertilizers once will he always calves bearing a large percent. of Well-baked bread which is not too In young children the disease is not have to do so. There is absolutely no beef blood such as Shorthorns, Aberfresh may be spread with butter and likely to be followed by complicacompulsion as to the use of fertiliz- deen Angus, or Hereford, his results accompany each meal. The pulp of tions, although occasionally deafness prunes or baked apples, a tablespoon- and kidney trouble result. When making a good livelihood. If a man The point is that the lack of informa-

follows a business to-day where he tion as to the essential character of can make a fair return for his ef- the breeds prevented him from using forts, there is no obligation whatever the right breed, hence the odds were the child will require more and more most careful attention of a compesolid food. Milk should continue to tent doctor. ness to-morrow, but the probability Again, everyone knows that at cerbe the chief article of diet, however. It is particularly contagious beis that he will do so, because he finds tain times of the year merchants of At least a quart a day should be tween the ages of four and fourteen. it profitable. This is the basis on all sorts are in the habit of going drunk. Cream is valuable, and which to place fertilizers. If the use through their stockrooms and taking should be put on cereals and baked A cough, which instead of passing of fertilizers returns a profit, no stock or finding how much they have potatoes or mixed with broths. Two away, increases for three or four further argument to induce their use on hand of the various articles which or three times a week soft boiled, weeks, when the whoop is heard first, is necessary. If properly used they they sell. Now this is good practice poached, or soft scrambled eggs are is whooping cough. are just as sure to return profitable and is very largely comparable to needed. Beef, rare mutton, or the It is very contagious from the first results as is good food sure to give soil surveys which our Provincial white meat of a chicken can be taken for at least two months. strength and energy to a man as he Soil Departments are just getting once a day, but on no account veal or It develops from seven to fourteen pork (except dry, broiled bacon). Po- days after exposure. well under way. This gives a certain

ed, but never fried. Most children dislike green vege- any other contagion, and for them it great cry raised regarding soil annual inventory tells him what he tables, but they are most important is very dangerous. In the case of in small quantities.

Century and its teachings began to the year, nor does chemical analysis illa ice cream. without raisins, and home-made van- follow it even with them.

only of bread and milk.

was the kind of plantfood that caused When this chemical analysis was the milk and pasteurized with it. and butter. Glass of milk. Dinner: the growth of stalks and leaves of forwarded to the farmer sending in At the midday feeding this should Boiled rice or baked potato or broth plants. Phosphoric acid was the kind the sample, he was disappointed at be preceded by beef juice, beginning with barley or rice in it. Bread and of thinking which were in so many divide their allegiance and their ser-

should keep in mind the actual nature order to find out what to use was set Beef juice may be made in two toes. One green vegetable. Tapioca, prostration are symptoms of scarlet rice, or sago pudding or cooked fruit

> third or fifth day. It is seen first on meat press or old-fashioned lemon The first symptoms of measles are the neck, and spreads rapidly to the squeezer. This will make about four a cold in the head, red, watery eyes, entire body. ounces of juice. Add a little salt or sneezing and coughing, white spots It is contagious from the very becelery salt, but no other seasoning. on the inside of the cheeks, dullness, ginning and long after the patient has seemed to recover, sometimes

which remains about the furnishings no disinfection, and contagion from

three weeks. It develops from two to six days Once a day-preferably half an It develops from eleven to fourteen after exposure. It is followed by many serious com-

ness, throat trouble, severe inflam- and bad conditions of the throat. It Twice a week a soft boiled egg (3 mations of the intestines, and tuber- is a frequent cause of deafness and minutes) with dried bread or un- culosis of the lungs or of the bones deafmutism. sweetened cracker crumbs grated in are some of the dreaded after-effects. It is most contagious between the it may be fed instead of beef juice. of this disease—to which at one time ages of one and five. When the child is eighteen months parents actually exposed their

teurized, and it should be taken from It is specially contagious between moistened and sprinkled over with the ages of six months and eighteen fine, clean, dry sand and then driven into place, and they will stay. The ef-

those in common every-day use. Roses, Hebrons, Cobblers, Delawares, Green Mountains and Silver Dollars.

ful at a time, may take the place of people suffer from it after they are eleven or twelve years old there are From the ages of two to six years serious dangers which require the

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tatoes may be taken baked or mash- Babies under two years of age are

more likely to catch this disease than soil was first developed in Europe, or how many hats or automobiles or be custards, junket, rice pudding testinal inflammations do sometimes older children it is seldom fatal, but

The horrors of whooping cough The evening meal should consist have been greatly reduced by the use of an innoculation against it. This The following articles should be is used both as a preventive-like forbidden children until they are six small-pox vaccination—and as a rem-years old at least: edy after the disease has started, in St. Henry.



INTERNATIONAL LESSON MARCH 23.

Golden Text, I Cor. 15: 33.

or leading men of tribes and clans unto the Lord your God" is Joshua's The local paper keeps the former who had authority both in civil mat- earnest and insistent command. ters and in war. The "heads" were | "One man of you." Joshua knows town even after he has moved to the the representative chiefs of family the strength of purity and fidelity. aity. Without a live local paper the groups or small kindred clans. The Samson lost his strength through small town lacks one of the most "judges" were either the heads of drunkenness, David through lust, necessary agents for its welfare. clans and tribes, or were men spec- Solomon through luxury. Joshua be- Why does the local paper appeal ially chosen for that office, as in lieved that a man of Israel, true to to the reader? The boy in France Exod. 18: 21-22. The "officers" were his God, will be strongr than a thou- may not worry over the future of the police marshals, who preserved sand, and he was right. order, had charge of processions and "Snares and traps." That is ex-boundaries of Siberia, but he does

for each of the opposing forces to of Israel were ensuared in the vices The small town paper appeals to the claim that God is with them. It is and idolatries of the Canaanites. citizen of the community in the same better, surely, instead of such a How often this brought trouble and manner as it appeals to the soldier. claim, which might seem boastful, to disaster upon them may be seen in It is the story of much of the life seek most earnestly and humbly to the book of Judges. See for example, around home and everything that do right and so set ourselves on Jud. 2: 3, 11-15; 3: 7-8; 10: 6-8. God's side, for we may be sure, what-ever our boast or claim, that God is ed." Such was the splendid testi-Confidence in the local paper is ed for the possession of Canaan are largely unknown to us. It is probably not true to say that it was an entirely cruel and unwarranted insured in the same and commit his soul service. "Well," says Johnson, "they had a big fight at the school meeting just as sure as the good which is the last week." "Is that so," responds reward of truth and faithfulness, so Brown, "I didn't read anything about sure is the evil that is the penalty of it in 'The Bugle,' and if it's not there vasion of territory to which Israel falsehood and a broken covenant. it didn't happen." Brown had faith had no moral claim or right. Cer- 24: 1-28. In his second speech, in his weekly paper. A paper that tainly Moses and Joshua regarded it Joshua reminds the people that their can hold the confidence of its readers them by Jehovah, their God. That that Jehovah had taken Abraham they were sincere and honest in that and given him this land and set him as the readers will take its statebelief there is no doubt. If there was an entire disregard of the rights of great deliverance. He reviews inciout or dispossessed, then we must ad- all he shows the hand of God, His though it is somewhat of a financial we could not acquit of the charge of ness. Knowing how deep-rooted are barbarianism and cruelty those who the tendencies to polytheism, he barbarianism and cruelty those who be the tendencies to polytheism, he munity can be made so important. committed to fire and sword a whole challenges them to make once for all that the value of the influence cancity with its people, as for example, challenges them to make once for all not be computed in money. be pleasing to God does not justify his house, and the people respond local paper is important. There are

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balanced. Above all, we must recognize the sincerity, the faith, and the really high ideals which were the inspiration of the leaders of Israel in this age. It is by such faith and such ideals that progress is made possible.

"That ye turn not aside." A high standard of righteousness was set before them in their book of law. From that they must not turn aside. made one of the largest factors in They will meet temptation in their the uplift of the community. In many Lesson XII. Israel Warned Against association with the Canaanites, and local towns the local paper is now Compromise-Josh, 23: 1 to 24: 28. especially in their acquaintance with the vital spark that keeps business the seductive and sensuous rites of going. It is the organ of the social Canaanite idolatry, but they must re- life of the community and it keeps 23: 1-13. The "elders" were chiefs main true to their own God. "Cleave friends from forgetting each other.

actly what the intimate association like to know that Bill Jones is paint-"He that hath fought for you." It and intermarriage of Israelites with ing his barn and that Tom Smith has is a common thing, in time of war, Canaanites proved to be. The people opened a new grocery on the corner.

for and will defend the right. The mony of the old warrior about to lay necessary if it performs the highest causes of the war which Israel wag- down his arms and commit his soul

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IT PAYS TO FERTILIZE Write for Pamphlet Po. 1—"Feeding for Food" The Soil and Crop Improvement Bureau

of the Canadian Pertilizes Association

Boost Your Local Paper

The small town newspaper can be

has a great responsibility to them,

the publisher of their community

The cost of publishing papers has increased because of the increased price of paper, ink, labor, and in fact, everything that goes into the manufacture of a paper or magazine. The local paper depends for its income on the business which it receives from the community. Subscriptions are not the biggest item in the receipts, but they must be paid. Often a farmer with abundant funds will neglect the payment of a newspaper subscription until frequent duns have been received. He may feel that it is only a piece of paper and as long as the editor prints a bunch of them anyway the small subscription fee from one subscriber will not worry the publisher. Multiply that feeling a few hundred times and it will cause the publisher enough worry to possibly put him out of business. Probably nothing in the newspaper business can help the editor more than

prompt payment of subscriptions. The merchants of a small town soon learn to appreciate the value of a live local paper. Their advertising patronage is absolutely necessary to keep the publisher in business. It is a well known fact that a man must advertise to improve his business as soon as that business reaches a stage where he is prepared to deliver the right kind of goods. Honest advertising in the local paper will create confidence in the publisher of the paper as well as improve the business of the advertiser. The local merchant should do all in his power to make the advertisement clear and free from the slightest tinge of a misleading statement. This is an important factor in making the local paper a success. Many a customer who has been cheated at a sale has lost all faith in the paper in which he read the advertisement. The publisher owes at to himself and to the community to refuse questionable advertising and also all copy from local merchants who may have disregarded the truth in writing their adver-

The farmer is vitally interested in the small town paper because such a paper depends greatly on the patronage of the farmers in the community. The paper keeps the farmer in touch with all meetings of a business or social nature which occur in the town. Thus the farmer is able to do his part in the life of the community to a larger extent than as if the town had no live paper to keep him posted on local events.

tisements.

The life of the community de mands that there be some method of informing the people of what is going on. The local paper fills that place and as a real factor in the development of a town and a farming community, it deserves the co-operation of every farmer.

I believe in a spade and an acre of good ground. Whose cuts a straight path to his own living by the help of God, in the sun and rain and sprouting grain, seems to me a universal working man,—Imgreon.

UNIARIO ARCHIVES TORONTO