KITCHENER'S LOVE STORY

UT HER DUTY TO HER LD AUNTS FIRST

dier's Romantic Attachment ottish Lady Who Warned Against Fatal Voyage

om being the nd lasting affection for lady who died less ighter of a gentleman of d. Scotland, an owner

in Toronto. th, when she was a beytchan out-of-doors complexion. future field marshal a striplventeen, not yet entered the

hy She Refused Him

tion and sympathy.

n May, 1916. But; d xible against her ca have always be most lova You must try not ow. The Czar limno go to Russia,

MERGH CASTLE

Beenguized Strong-"I'm Scotland."

at of Scotland! is the 'heart \ puly; wonderful er towers on a stone wonder that the the recognized Scotland, in which winds to the state, from

wis to an undesirable or depromit! wanted! place for a desperate defy anybody to in, and it was a coun-Tower of London, in a the mediaeval caul ad pull could have his amy absent-mindwhere in the castle and of course.

with an which the ordin-Ling Bainburgh Castle .ls the crown room, crown worn by the "ings and queens had to Mary Queen of hi of Scotland is the whity -solid, gold, stones of many__

" olland" had an we ling that of the them. They were when he captured solen away for mi several baskets there._When she left of the governor she cartish crown concealed in f her riding habit, and the sceptre were embedded in Lint. Her husband buried old claim them openly, when they were finally dug were locked in a chest and

m again for 110 years. es is saide to be the national the Esquimaux.

The Markdale STANDARD

is published on Weednesday by C. W. RUTLEDGE,

VOL 39

MISCELLANEOUS.

J. W. PATTON, J.P. J. W. PATTON, J.P. Rocklyn, Ont. Issuer of Marriage

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The cow must be in proper condi-

tion to go through the work of mak-

ing a good production record, whether

for seven days, thirty days, ninety

days or one year. Few breeders of

ing capable of maximum production,

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COMPORTABLE, made
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Ledge, No. 490, G.R.C., Mark late, meets in Masonic Hall, Mc-Farland Block, on Tuesday evening on or the fore the full moon every month. Visiting brethren cordially invited. H. C. Dun, W.M.; Bam Brady, Secretary.

C. O. C. F., No. 399. Markdale Council, Canadian Order Chosen Friends, No. 399, meets secand Monday in the month in Sarjeant's Hall at S o'clock. A Jackson, Chief Counciller Herb. M. Irwin, Recorder.

SAUGEEN LODGE, No. 327,

Meets first and third Wednesday in the month at 7.30 p.m., in their hall, Main street. Visiting brethren always welcome. Herb. M. Irwin, N.G.; Alex. McEachnie, Sec.

MAREDALE, L.O.L., No. 1045. Meets in Sarjeant's block on Thursday evening on or before full moon in each month. Visiting brethren made welcome. Earl Davis, W.M.; John McFadden Secretary.

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MARKDAILE STANDARD

MARKDALE, ONT. WEDNESDAY, MARCH 13, 1919.

require constant

sult are to be obtained.

ored carries to the ton 10

pounds of potash. If the manure

pounds."

and \$21.44 respectively."

Pennsylvania Experiment Station-

that an investigation within the last

50 her cent. increase in crop yield

fert lizers. Like things were claimed

of this plantfood, especially the nitro-

Farm Crop Queries

Conducted by Professor Henry G. Bell Conducted by Professor Henry G. Bell
The object of this department is to place at the service of our farm readers the actice 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. 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.

The Business of Farming.-IV. Food of Plants. In previous arti- However, the successful farmer or no one has ever yet shown that the in markets formerly British when the home of gardener operating a sandy soil must plant may not be able to get its sufhe plant and now we turn to one phase of the discussion of the material on which crops live and thrive. that his crops feed upon.

A year ago people living in England and France were on a ration
basis. Visitors and those that had short supply of phosphoric acid and obusiness in England now exhibit with a medium supply of potash. It is the Government provided there, which cards allowed the bearer to of tain certain quantities of such necessary foods as meat, sugar and the like. The point of importance is that dairy cattle realize what condition when the British Government found means in making a great production it desirable to apply a rationing sy record. It is often the extra few tem it did not say each man should be is it a relatively slowly available pounds of flesh and reserve energy entitled to so many pounds of food that means the breaking of a world's a week br a day, but that he should record for milk and butter-fat pro- be entitled to so many pounds of var duction and places some breeder on jous foods based on the amount - of the highest pinnacle of fame. It is food constitutents, within a limite difficult to define exactly just how to period of time. On a truly dietet put on this extra flesh and bring the basis the Government provided for cow safely through her calving per, card holders so many pounds of her iod, but it is seen only when cows and energy producer, (carbo-h begin their official tests as vigorous drates), so many pounds of muscle and well-fleshed as skillful feeding producer (protein), and so man

of time. is necessary before a phenomenal re-When men traded oats for corn o cord may be looked forward to in the hay for shoes, in the days of the earl settlers, they did not bother muc about quality or balance of rations but when meat and crops became art cles of sufficient demand, it paid the producer to study the balance of foo both for animal and plant. This has given the basis for the balancing of food for crops. The modern farmer knows that his crops take up ten con stituents in order to form root

can make them. Condition, as mean- pounds of fat, within a definite period

branch and fruit. The first of these is nitrogen, th constituent of plant food which causes the growth, of potato-vine corn-stalk, and wheat-straw. If the soil is short of nitrogen it mean short stalk, poor straw and poor growth of apple tree, If the soil i too bountifully supplied with nitrogen and does not contain a desirable ure will be of lowest feeding value balance of other foods, the result is Ave age farm manure which is fairly too much plant ground the contain a well stored carries to the true later sequent infeniority of fruit

The next important constituent phosphoric acid. This is the kind of plantfood which causes a strong and vigorous root growth and an early ipening of the crop. Crops which are short of phosphoric acide—and many of our Canadian soils are showing decided shortage in this constituen -do not ripen within the growing season at their disposal. In fact, if

The point might well be emphasized at this time that potash is an absolutely essential constituent of plantfood. Some over-zealous people have allowed their enthusiasm to lead them into grievous error when they have said at times that our crops can get along without potash. Crops can no more get along without potasi than they can without water. Many soils are fairly well supplied with potash, but if intensive agriculture is to proceed in Canada and larges profits are to accrue to the farmer and gardener from the production of maximum crops, he must see to that the crops have a sufficient sur ply of potash, which is a necessar plant food to produce increase yields. A shortage of potash is a ways shown in poor sprawling weak-

ly staiks a... filled kernels. The first great source of plantfood sections of the world. In fact, its is the soil. In this great storehouse importance has become so great to nature has placed original supplies of hitrogen, phosphoric acid and Necessarily these supplies vary with the different types of soil. For instance, sandy soils are relativeshort of all three important plant onstituents. This does not mean that a sandy soil is not profitable to Indeed, it is quite otherwise. drain, makes them early. Furthermore, the mechanical case with which they work makes them desirable soils,

especially for the growing of crons

stalks and straw, and in poorly

fertility you can raise the standard That fertilizers have been effective

n raising this standard of proflucion, in various of the older States, England, and other prominent European countries is shown by their record of crop yields, but this inrease in crop yields has been made only when necessity demanded food for the unit of land, bigger and better yields per acre. This fact is the essential reason why intensive agriculture is a timely subject for House of

Various things have been called Government's trade policy. fertilizers, which are not actually ald said the entire busines that the plant does take a centain what conditions. The United State proceed in full knowledge of the ficient supply of calcium from clay. also was capturing trade natural limitations of the storehouse Lime, therefore, is not essentially a plantfood, but is a soil corrector. We formed on credible author believe, if this clear distinction were something approaching small supply of nitrogen, a relatively kept in mind, it would avoid a lot had been given some ind short supply of phosphoric acid and of mistaken ideas and some frauds, maintaining prices at a con-Similarly, calcium sulphate, or and for three or four years, in a good deal of interest, cards that usually sweet in its reaction and res- plaster, is not fertilizer, although it great soap industry. ponds readily to judicious fertiliza- can be applied for some time to the Sir Auckland 2. Godde ground for a profit. Calcium sul- of National Service, and phate, gypsum or land plaster, has tion, answering Sir Donall A clay soil is close and compact in the power to let loose potash and policy of the Government nature, contains a moderate supply of all the plantfoods, but after crop- other plantfoods from the soil. There- no import restrictions ping for some time, what is left in the fore for a time the farmer can apply tinue to be imposed on goods soil of the three important plantfoods land plaster at a profit. However, he from any part of the Emph should be very careful not to contherefore crops, that are to tinue the practice, indefinitely, be- raw materials required for reach maximum growth on such types cause he is treating his soil as he dustries. of soil must receive an addition of would his bank account if he dontinu-cles, Sir ally wrote checks upon it and nexwell balanced plantfood if best relected to reimburse the funds at his would be disposal, The final day of reckoning as they consequently rich in nitrogen in its comes and comes swiftly if such a dustries which it was properly rich in nitrogen in its stimulant as land plaster is used and foster in the country, in used continuously. Someone asks, they would be liable to their

Muck soils are very rich in humus, original state. When the weather so rapid that it may result in a decided inferiority of product. The acid phosphate of muck soils is usually ure. This plantfood may be in a more the case would be no restricted to the case would be no restricted. concentrated form, but is neverthe said, on grown on such soils do not ripen within the season at their disposal. less the same essential food nitrogen, the plant grower, phesphoric In fotash, the supply in muck soils acid the plant grower, phosphotos acid the plant grower, and potash the home consumption or machificular plant strengthener. When you apply The Government he declared, he fertilizers you apply food. When you this policy would enable the is lamentably short. This fact must be kept in mind when the farmer attem its to grow good crops on soil of

apply a soil corrector and soil stimu- try's trade to recover fat lant, you correct a soil reaction in one greater than ever in the Slock manure is nature's great case and in the other case let loose source of plantfood, outside of the a supply of essential plantfood with-The value of manure depends out making any addition thereto. maily upon two points. First, the kind of food provided the livestock, question of how to know what to use, .The next article will discuss the and second, the care given the man- and the sources of plantfool. ure. If the livestock is fed a supply (To be continued.)

highly concentrated rich food, the manure is consequently rich in the elements of plantfood. If, on the other hand, the livestock is living on cross of SACRIFICE a bare maintenance ration, the man-FOR CANADIANS

pounds of nitrogen; 5 to 9 pounds Decorations Are to be Given in spatch to the Daily Telegraph says: of phosphoric acid and from 9 to 14 . Memory of Those Who Have Fallen.

exposed to rain and snow over half Ottawa, March 10.—A "Silver tional Assembly at Vienna perms of the proclamation announcing this Cross of Sacrifice" will be assued by of the proclamation announcing this gen and phosphoric acid, is lost by Well-kept manure is relatively widows and mothers of soldiers who tails have been drawn. The ubstance strong in nitrogen and potash, but gave their lives in the war. Hon, S. of it is that Austria is a democratic way in phase and potash, but gave their lives in the war. Hon, S. of it is that Austria is a democratic way. in phosphoric acid. This is C. Mewburn, Minister of Militia, in republic voluntarily and by a designation natural since the animal removes this his speech in the Commons to day of a vast majority of her citizens consituent of plantfood in order to announced that the Government pro- proclams and accepts the union the shortage is very marked, they build up its bone. As a consequence, posed to confer such decorations in a German democratic republe.

make poor root growth, and grain is manure will produce great stalk memory of the men who had fallen The intention of Vienna lociulists not well filled, the fruit of whatever growth, but sometimes produces too and in recognition of the herdic part is to indicate clearly that Austria much straw growth for the good of of Canadian women in the great con- has no intention of joining German the grain crop. Valuable results have flict. The preliminaries to the issue states under any other form but been obtained by beleasing liverages. taste.

The constituent about which we been obtained by balancing livestock have been hearing a great deal during manure with acid phosphate. When of potash. The chief duty this is done 40 or 50 pounds of acid of potash is to hasten the laying down of starch in the fruit or grain soil for every ton of manure that is and to give strength to the growing applied. That this is profitable is evilance to the following results:

The preliminaries to the issue of the cross are, in fact, being work that of a democratic and republican states of the cross are, in fact, being work that of a democratic and republican states and are now being considered with a bandon republican form any become view to the selection of the most suitable, and it is hoped that before long arrangements will be completed for the manufacture and distribution denced by the following results: for the manufacture and distribution Olio Experiment Station-"Cover- of the emblem. In addition the next period of 13 years the average of kin of soldiers who have lost their ased production from soil treated with stall manure and acid phos- of bronze being issued by the British e over yard manure was: Corn, Government.

bus.; wheat, 6,18 bus.; hay, Gen. Mewburn spoke of the proposal that the Canadian Government should strike a special service medal "By the addition of acid phosphate to for those soldiers of the Dominion manure at a cost of \$5.95, the gain who had fought in the war. He sugover untreated manure was \$23.74." gested that consideration of Indiana Experiment Station—"The might well be postponed until the addition of 200 pounds of acid phos- men returned to Canada. Canadian phase to a six ton application of man- soldiers, in common with the soldiers ure per acre per rotation of corn, of other countries allied against wheat, and clover has produced addi- Germany would receive an "internation I crop increases valued at \$14.98 tional medal" which would clasps commemorative of engage-Te next source of plantfood is ments or years of the great conflict. Furthermore, Canadians would retion of fertilizers has engaged the attention of the older agricultural King's discharge certificate.

the more, thickly populated centres As shade doth strengthen synshine,

ten rears showed that in France over Unless with sweet is bitter, The richness our taste doth cloy; was credited to the proper use of And gold and silver, even, Wear better for some alloy.

for the proper use of fertilizers in Did you ever step to think how Germany and elsewhere. Hall of Rotlamsted, said: "The great factor many miles you walk carrying water in increased crop production (in Great from the well to the house? A supply Britain) has been the introduction of of running water is so easily secured fert izers and purchased feeding that there is no longer any excuse stuffs. As soon as you can introduce for this old system of getting on s farm some extraneous source of for household use.

"FRUIT-A-TIVES" Brought Quick and Permanent Relief

Established in 1875

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10 -- 5

No Import Restrictions on Good

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Auckland added.

admitted free, exe

necessary for country ma

for naval and military purpo

GERMAN REPUBLIC

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Monarchies the Union Would

Be Rescinded.

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From Any Parl

March

MacLean,



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specialists, took medicines, used otions; but pothing did me good. Then, I began to use "Proft-atives"; and in 15 days, the pain was casier and the Rheumatism was better. Gradually, "Fruit-a-thec's" overcame my Rhoumatism; and how, for five years, I have had no return of the trouble. Also, I had severe Lezema and Constitution, and 'Fruit-a-tives' relieved me of these complaints; and gave me a good appetite; and in every way rest red mosto health's. P. H. Mert C. 11. 50c. a box, 6 for \$2.50, trial size 25c.

At dealers or sent post paid on receipt of price by Fruit-a-tives Limited, Ottawa, Ont.

Metal Thimbles Scarce.

The war is responsible for a metal thimbles. France, Italy, pain and Hortugal are absolutely yithout supplies. Before the war Alle, Nuremberg and Vienna actured thimbles for all those comtries, and there are only four manufacturers in England three at mingham and one at Redditch-but the metal shortage has brought their husiness almout to a standstill. The trade does not consume a great weight of metal, but the number of thimbles on order looks formidable chough France alone is in want of \$50,000

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Get your requirements in, at used before it is too late. Gunn's Saur-Gain Fertilizers not only mean an early start for your crops, but a steady stream of plant food right through the growing period, meaning strong, full-headed, discussoresisting growths. We have a mixture to suit your soil and crop.

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Increase in yields Ohio Experi

IT PAYS TO FERTILIZE Write for Pamphlet No. 14 Feeding for

A Crop Saver

Frosts and thaws have done considerable damage to Fall Wheat by heaving the soil.

ment Station for a period of 23 years was 13.2 bashels per acre. Ontario Agricultural College reports an increase of 8.3 bushels

per acre. Make sure of your grass catch and in-crease your wheat yield this spring by

The Soil and Crop Improvement Bureau of the Canadian Pertilizer Association 1110L TEMPLE BEDG., TORONTO