Farm Queries

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formation of Timely Value to Ontarlo Farmers,

Four years ago the Department of Chemistry, O.A.C., started a new system of fertility demonstration experiments throughout the province. The plan was the outcome of the increasing demand for practical information regarding the results of different treatments of land for the various crops that are grown on the average Ontario farm. Of course, results obtained by the College on its own experimental areas were available, but such results were frequently discounted in the mind of the farmer because they do not represent tests under his own conditions of soil and climate. To overthe series then undertaken to conduct the tests on various farms in the different counties of the province. Farm- | blocks were conducted in central Onment station plot, extending from 1/8 The average yield for fertilizer was plot on the actual farm. This simpli- was 30.9 tons, showing an average fied the testing for the co-operating gain of 10.6 tons per acre.

the past year, approximately 1000 cost of 91c-per ton. plots were maintained on 220 farms: Fertilizers of different analysis chosen with a special reference to the type of crop for which they were to be used and the characteristic fertility content of the soils on which they were to be applied.

give a detailed report of all the tests their practical application.

tested on 22 farms in 1932. The alfal- age and upkeep of plant fire or orfa was grown on sandy loam and clay ganic matter in the soil in order for loam soils. Five different treatments best results to be obtained ..

How Small British Sloops

Keep the Peace In these days of naval disarmament there is a tendency to forget the fine services constantly rendered in all parts of the world by the ships of His Majesty's fleets. The launching of official, friendly police force among H.M.S. Dundee, at Chatham recently, caused the naval correspondent of the ly a dhow has to be seized until a local London Morning Post to write briefly about His Majesty's sloops, to which class the Dundee belongs with about 18 other ships of like construction. The ne wsloops are fitted with turbines and each has a spare cabin for the use of political officers.

statement. These little vessels are in | The case of H.M.S. Folkstone is a recommission on foreign stations: in the cent instance, when Japanese and Persian Gulf, the Red Sea, Chinese Chinese officials assembled on board waters, the South Seas, the west coast her quarter-deck for the discussion of of Africa and the West Indies. For the the military and political-matters in most part they are occupied in what dispute in connection with the recent may be termed ambassadorial duties.

and neutral quarter-deck of the sloops, the Persian Gulf, Red Sea and elsenany a dispute between rival sheiks where may serve to show how potent is settled, and many friendly accom- a weapon, is the prestige of these nodations between Arab tribes and Freat Britain are arranged. A notable than a couple of pop-guns. example of the diplomatic activities of plese small vessels occurred on H.M.S. Lupin in February, 130, when the hisloric meeting between King Faisal of traq and Ibn Saud, King of the Hedlaz (now King of Saudi-Araba), was empts at a meeting on land had failed.

In March last year, the British Minster in Teheran, accompanied by the senior naval officer, toured the Perscattered round the Gulf are given fa- C. A. Swinburne. slittles to take passage in a sloop, thus mabling them to administer their do-

Illustrated Dressmaking Lesson Fur

- Fertility Demonstration Results - In- were compared with equal areas of alfalfa where no special treatment was given. The fertilizers tested were 0-12-5, 0-12-10, 0-12-15, 2-12-6. The fertilizers were applied to the alfalfa at the rate of 375 lbs. per acre as soon as the ground was sufficiently dry to drive upon in spring. The greatest gain on light soils (5,678 lbs. green weight) was obtained from 0-12-15. On heavy soils the same fertilizer gave the greatest gain (6,046 lbs. green weight). These results are in accord with those of former years and indicate that where alfalfa-has made a good start all that is necessary to add is phosphate and potash.

Mangels

Many dairy farmers find the mangel come this difficulty it was planned in crop of increasing value as a succulent feed for stock. Three demonstrations comprised of fifteen test ers were located who would co-oper- tario. Two were on clay loam and the ate, field men of the department visit- third on sandy loam. As a rule the ed their farms, measured out test mangel responds readily to additions areas and supervised the treatments. of plantfood. The highest yield ob-The field men again visited the farms tained on one of the clay soils was at least once throughout the growing from 2-12-10 at 500 lbs. per acre, while season, and again at harvest time, to on the other 2-12-6 exceeded it slighttake actual yields. The test areas ly. On the light soil the heaviest were larger than the average experi- yield was where 4.12.6 was applied. to 1/2 acres as a size of each block or 41.5 tons, while that for unfertilized

Again the question, did it pay? na-Reports of the last year's work and turally rises. The rate of fertilizers the summary of the three years pre- used on these test crops was 500 lbs. vious which are now complete show per acre, which, estimated at the cost that within four years, demonstration for the highest analysis of fertilizer tests have been conducted on 915 used, would represent an investment farms where nearly 4000 plots or test of \$9.65 per acre. This fertilizer obareas have been conducted. During tained an increase of 10.6 tons at a

There Are After Effects

As has already been pointed out, not all of the nitrogen, phosphoric acid and potash applied is recovered in the crop harvested. Much of it is ing for. therefore in the soil for succeeding! No. 1 may be puffed above or be grain and hay crops. At this time, low the elbow. It is not our purpose at this time to when Ontario farmers are considering the most economical handling of their but to summarize these and to give soils, these studies give some basis through tucks. for valuable comparison. Necessarily,

> stituton, but at sea, in the Gulf and the Red Sea, British sloops suppress years has shrunk to very small proing the diving season, acting as an unthe 4,000 dhows engaged. Occasionalshelk agrees to keep his treaty obligations with other sheiks and tribes.

In other parts of the world diplomatic responsibilities, varying in their nature according to the station and circumstances, are duties which the commanding officers of sloops may at There is significance in this last any time be called upon to perform. operations in Manchuria. This brief This is particularly the case in the sketch of the duties performed by Bri-Persan Gulf, where, on the friendly tish sloops in the burning climate of small ships armed with little more

From Arabia to the South Sea Islands, from China to the "White Man's Great Britain and, indeed, to the world from the mean spirit of cowards, at large, out of all proportion to the and the fawning assent of sycophants. cost involved, and with an authority It removes no just right from fear; successfully achieved after all at- slenderly supported by a couple of 4- it gives up no important truth from

such consecration is a great man's any real value.—Blair. sian Gulf in H.M.S. Fowey. Occasion- tears, as cannot but glorify the course ally it occurs that the political officers and embalm the subject of their flow.

It is worth a fortune, as Dr. Johnson a some districts is still a regular in- the bright side of things.

Simplifying The New Sleeves

By HELEN WILLIAMS.



Perhaps you'd like to change your

Here are five new models. And al ve are included in the pattern. dress design you select that has a set-in sleeve.

have just the sleeve you've been look

No. 2 has a smart snugly fitted cuff

No. 4, the smart top drape, and No.

arm of the stout woman. Style No. 3374 is designed for sizes 14, 16, 18, 20 years, 36, 38, 40 and 42

inches bust. Size 36 requires, View 1, 1 yard 35 slave traffic, which in the last few 39-inch; View 2, % yard 35 or 39inch; View 3, 1 yard 35 or 39-inch; sloops patrol the pearl fisheries dur- yard 39-inch, with 1/2 yard 35-inch

HOW TO ORDER PATTERNS.

Write your name and address plainly, giving number and si : of such

DUTY

We urge the duties of Christianity upon the consciences of men; but duties are constraints till they are changed into charms by love. lowliest service and the boldest endeavor are cheerfully accepted welcomed. To win men to the performance of Christian duties it is necessary to win them to the love of Him who requires them, and to the love of those for whose benefit they are required .- Dean Stanley.

GENTLENESS .

Gentleness, which belongs to vir Grave," they perform services to tue, is to be carefully distinguished inch guns .- Toronto Mail and Empire. flattery; it is, indeed, not only consistent with a firm mind, but necessarily requires a manly spirit and a There is, or should be, for all men, fixed principle in order to give

TWO CLASSES

Men are of two classes—those who get about it, and those who promise sands. main with enhanced dignity. Slavery said, to have the habit of looking on to do their best tomorrow and forget about it.

Sunday School Lesson

March 12. Lesson XI - Jesus Ministering to the Multitude-Mark 6: 30-44. Golden Text-The Son of man came not to be -ministered unto, but to minister, and to give his life a ransom for many-Matthew 20:, 28.

ANALYSIS. I. A SPOILED HOLIDAY, Mark 6: 30-32. II. JESUS AND A HUNGRY WORLD, Mark

6: 35-44. INTRODUCTION - The excitement caused by the restoring of Jairus' daughter compelled Jesus to leave the city-probably Cap.cnaum-and seek elsewhere the privacy he so much craved. His visit to his old home (v. 4) was a bitter disappointment. Unwillingness to receive made it impossible for him to give, v. 5. Finding opportunity for neither solitude nor helpfulness, he resumed his wandering, leading his men from place to place, v. 6. The mission (vs. 7-13) on which he sent the Twelve was eminently successful, but any satisfaction it might have occasioned was offset the disturbing news of the murder of John the Baptist, vs. 14-29. It boded : for the Master himself. He withdrew at once beyond the territory of Herod.. In the pleasant uplands bordering the north-east of the lake, he would retire with his men. There they could rest and talk.

I. A SPOILED HOLIDAY, Mark 6: 30-32. But Jesus was now the hero of the hour. The excited enthusiasm of the populace never allowed him out of their sight. Approaching his expected resting-place, he found the crowds once more waiting for him, v. 33. If kept near the land, the people follow- food enough for all and to spare. ing could easily out-distance it. When siderate, persistent crowd. He saw a food while away from home. noultitude of hungry, wandering souls. This explanation would appear to tected through life's dangers.

portunity for doing good.

or 39-inch; View 1A, % yard 35 or appointments we shall have not only us today in a world filled with everysight to see the trouble, but insight to thing that man needs, and yet man sorrowing."-Dr. Franklin. discover its hidden and greater mean- going hungry. When Christ's intelliportions. In the Persian Gulf the View 4, 1 yard 39-inch; View 5, 78 ing. Our trials can be turned into gence and spirit of brotherhood ditriumphs. That is what we mean rects the distribution of the world's when we say, "Making the best" of it. resources, none will have too much. II. JESUS AND A HUNGRY WORLD, Mark 6: 35-44.

It is interesting to note that no one seems to have remembered anything patterns as you want. Enclose 15c in that Jesus said on that occasion. They stamps or coin (coin preferred; wrap forgot the sermon, but remembered it carefully) for each number, and the supper. They forgot what Jesus aldress your order to Wilson Pattern said; they remembered him and what Service, 73 West Adelaide St., Toronto. he did. "They may forget all you As evening drew on, it suddenly

occurred to some one of the disciples, The "What about supper for this vast very word duty is a harsh one, until crowd? No restaurants, no bake-shops the hearer grasps it, and then the here; time they were away to town, vs. 35, 36. They recognized the existence of human need around them, but their suggested solution involved no action or trouble_on their own part. "Something should be done about it," not take some responsibility yourselves for meeting the need of your brother man?" suggested the Master, But what could they do to The "businessman" in group made a rapid calculation. Two hundred pence-about thirty-five dolbe necessary for sufficient bread, v. dark.

Jesus replied, "How many loaves have you? Go and see," v. 38. Face the actual facts of your situationall the facts-not just the most unpromising, as the pessimist does. forgets that part of Jesus' work with men is to help them to do "impossible" things. The faith of the boy who offered his lunch was brushed aside by the pessimist (John 6: 9), but it endo their best work today and for abled the Master to feed the thou-

The organizing genius of the Master soon arranged the people in order



Looking a bit like the nearby statue of Liberty, Tilly Losch, well-known dancer, arrives in New York harbor

-like rows of vegetables in a garden (the meaning of "ranks," v. 40). the boat had the wind against it, or Then it was discovered that they had

The explanation of this narrative. Jesus stepped ashore he found, in which commends itself to Bible stustead of quietness, a crowd with its dents who are influenced by the modremorseless intrusion upon his pri- ern scientific temper, is as follows: vacy. Had one of us been in Jesus' When Jesus, by his own example and place, the record would perhaps have that of the unknown lad, suggested read, "And he came forth and saw a the sharing of such supplies as their great multitude. And he was angry travelling wallets contained, they and would not land." When his plans found that there was enough for all. They may be adapted to almost any for a holiday, a quiet period of com- They pooled their resources. Those munion with his disciples and his who had more than they needed, shar- promises and conclusions are cock-Father, were once more frustrated, he ed with those who had less. Jews It offers a lovely opportunity to was not annoyed nor impatient. He carried lunch-baskets in order to saw something more than an incon- avoid the necessity of using "unclean"

With no true spirits .. guidance from fit in with our Lord's refusal in the their leaders, the scrites and Prasi- wilderness to use divine power in sees, they were like shepherdless order to take short-cuts to satisfy No. 3 is fitted into the armhole sheep wandering unguided and unpro- men's needs, Matt. 4: 3. It preserves also the reality of the Incarnation. The thought that came uppermost Did the Word really become Flesh un-Fertility-treatments of alfalfa were attention must be paid to good drain- 5 with its plaited flare will flatter the in his mind was not, "This crowd has less Jesus became also subject to the ruined my holiday," but "here are usual limitations and conditions of people whom I can help." He began to he manity? It is also to be rememberteach them many thing, v. 24. Jesus ed that the Oriental mind is always sew in every shattered plan, an op- ready to call the astonishing a. "mir-

With Jesus with us in all cur dis- This explanation has meaning for cauld. All will be provided for.

Eyes Don't Turn Blue

Brown eyes do not turn blue during the long nights of the polar region, according to Dr. Vilhjalmur Stefansson, noted Arctic explorer. Science Service quotes him as refuting, in a comever told them, but they will never munication to the editor of Science, forget you"-the hope and the in- the statement made in another magaspiration of every Sunday School zine that "after a prolonged absence of sunlight, men on polar expeditions find that their eyes, irrespective of previous color, have turned blue."

Dr. Stefansson, in all his long experience in the lands of long nights, could not recall having observed this phenomenon: The statement was alleged to have been inspired by an entry in the journal of Capt Scott, British explorer who perished-after havbut by some one else, of course! "Why ing reached the South Pole. Inquiries addressed to Captain Scott's companions and collaborators not only failed to bring confirmation of this reper utilization of our forests were port but brought forth statements to the opposite effect. Dark-eyed men see the sun return at the end of In fact it was during a tour of Eurlars perhaps-at the very least would polar night with eyes that are still

GENIUS

It has become a common saving that men of genius are always in advance of their age. It is equally true, will take up the torch and carry on that of these men of genius, the best and bravest are in advance, not only of their own age, but of every age.

Adventure and glamour weave its -By Margaret Lathrop Law, in Poetry World.

Quotations

Gt. Britain Trying

Use in Cars is Found

Efficient in Tests

are a feature of the current British In-

If compressed coal gas can replace

gasoline as a motor fuel in Great Bri-

where gasoline is relatively expensive

is no less important, Britain's present

Active interest in the development

coal mine owners, engineering firms

Coal gas, of course, was widely used

far as the use of this fuel under nor-

balloons of gas were overbulky and un-

erous and the radius of operation for

gas for gasoline generally. Could the

See Difficulties Solved

To this end the post-war researches

have been directed. Obviously it was

necessary to compress the gas, so that

it could be carried more handily and

so that a sufficient supply could be car-

ried without too frequent refilling. The

next problem was to find a metal

the engine, as well as of a suitable

"mixing box,' which takes the place

of a carburetor, brought other prob-

All of them, it is claimed, are now

Automobiles in Great Britain, in the

New Type Fuel

"The great lovers are the great haters."-Rebecca West.

"Between the human control of Compressed Coal Gas for Nature and the human art of living

there is an immense abyss."--Havelock Ellis. "The League of Nations is sick. The Far Eastern situation is too much not very distant future, may be rus

with compressed coal gas as a fuel in for it."-Ignace Paderewski. "Another war in Europe means the place of gasoline. Already a number downfall of Western civilization, of experimental vehicles are being run economic ruin and starvation."-Lord on compressed coal gas and public demonstrations of the practicability and

Davies. "The subject-matter of the present economy of this method of propulsion day stage productions, although waning, seems to be 'sex for one, half dustries Fair, it is reported from Londozen of the same."-Geo. M. Cohan. don.

"Wise men and women prefer to let theories wait upon well-established facts and grow out of them."-Nich- tain-and perhaps in other countries olas Murray Butler.

"This is the most exciting time in and coal gas is easily obtainable—Brihistory for women, but for a man, life tain's depressed coal industry will be must be as dull as spinach."-Fannie given a much needed stimulus. What Hurst. "Those who were rich yesterday dependence upon outside sources of

are poor today, and those who are rich fuel supply will be reduced, if not elimtoday know that they are likely to be inated. poor tomorrow."-Bertrand Russell. "To discover what Ireland wants, is being taken not only by gas com-I have only to look into my own panies and municipal gas departments,

heart."-Eamon de Valera. "The simplest rules of successful and British steel makers, but also by living are the hardest to learn."- the British Government experts.

Bruce Barton. "Any frontal attack on ignorance as an automobile fuel'in Britain duris bound to fail because the masses ing the war when gasoline was scarce

are always ready to defend their most or was commandeered primarily for precious possession, their ignorance." military purposes. Both light and heavy automobiles wee run in those -Hendrik-Van Loon. "There can be no actual disarnia- days, in Britain, with gas stored in

ment unless there is a complete and balloons. The gas was not comuniversal abolishment of all arma- pressed. Here was a vital difficulty sc ment."-Lord Marley.

"We are all geniuses up to the age mal conditions was concerned. The of ten."-Aldous Huxley.

"There is an atmosphere of well- sightly. Despite their size they needsounding oratory that likes to attach, ed refilling every fifteen, or twenty itself to dress cloth ... Away with miles. Filling stations were not numit."-Albert Einstein. "We evidently have slowed down cars run on coal gas was limited.

considerably in regard to spiritual There were then manifest advantand moral progress."-Patrick Car- ages to be gained by substituting caa: dinal Hayes. . "The trouble with much of what is demonstrated disadvantages be over

considered knowledge in political come? science is that it cannot be used. Its eyed."-Raymond Moley. "All my life I have been straight ening limbs. It is unfortunate that

there is not also a method for straightening out the brains of men. -Dr. Adolph Lorenz. "Let fictions meant to please be

which would be light and yet strong -very near the truth."-Horace. enough to hold highly compressed gas. "The folly of other is ever most The design of filling stations and pipes for the compressed gas and of valves ridiculous to those who are themselves most foolish."-Goldsmith. for reducing it to a little below atmos-"Who overcomes by force, hath pheric pressure before injection into

overcome but half his foe."-Milton. "Who lives without folly is not so wise as he thinks."-La Rochefou-

"He that goes a borrowing goes a

Death of Great Advocate

activities. His reply was to the ef-

fect that he had no motive except

came/into contact with him person-

of knowing that at least some of his

plans for the conservation and pro-

adopted. But much remains to be

done and he kept hammering away.

ope for the purpose of studying the

most modern methods of forest con-

servation that he was overtaken by

illness and death. Thus has passed

a type of public-spirited citizen whom

Canada can ill afford to lose: Who

the crusade?-Toronto Mail and Em-

ADVANCEMENT

What a man does not alter for the

better, time alters for the worse .-

Francis Bacon.

It is said to have been defintely demonstrated not only that compressed coal gas can replace gasoline with de cided economy and other advantages of Forest Preservation but that, so far as heavy vehicles are The late Frank J. D. Barnjum was an enlightened and persistent crusa- concerned, it is likely to do so quite generally in the near future. So far der for the preservation of our forests. For many years he carried on as light vehicles are concerned, the im this worthy work at considerable ex- mediate prospects are more obscurepense to himself by means of let- the storage bottles still occupy more ters to the press and addresses to room than the ordinary gasoline tank the public. No one could question if an equivalent amount of fuel is to the sincerity of his purpose. If he be carried. had been a selfish man he might Besides economy, compressed con have remained silent and allowed his gas has these advantages over gasoown limits to increase more rapidly line as a motor fuel, according to in value through the destruction of scientists who have conducted the others. But that on one occasion, tests: about ten years ago, he was asked Greater ease of starting in cold what was the motive behind his weather.

solved.

Improved engine "flexibility."

Greater engine power and improved the public welfare. Anyone who acceleration. Lower maintenance costs-engines

ally was at once convinced of his run on coal gas, for instance, rarely sincerity. He had the satisfaction require decarbonizing. No atmospheric pollution - when

compressed coal gas is used the exhaust is found to be free from obnoxious gases such as carbon monoxide.

Any engine now run on gasoline, it is stated, can be adapted to use compressed coal gas, by substituting for the carburetor the special air-gas mixer which has been designed.

London's Last Coaching Inn To Be Railroad Parcel Room

London.-What is believed to be the last coaching inn remaining in London is to be preserved by the London and North Eastern Railway, which uses part of it as a clearing house for parcels. Hidden away from the main thoroughfare by a railway freight yard, the George in Southwark maintains the dignified atmosphere of the days when it was built in 1676 on the site of a former inn destroyed by fire.

The present innkeeper, Miss Murray, has for fifty-four years kept a watchful eye on the structure, and few modern additions have been made. The couse room with its red plush seats is still decorated with old beer advertisements, and in the corner is an "Act of Parliament Clock," still keeping accurate time The George, is believed to be mentioned in "Little Dorrit" as the inn where Tip Dorrit went to write let

The coconut is essentially a British Empire product so far as Canada is concerned, imports coming almost exclusively from Jamaica, British Honduras, Trinidad and other British West Indian Islands

