

CORRESPONDENCE.

REFRIGERATOR CAR SERVICE.

IMPORTANT TO CREAMERY MEN.

Editor of FARMING:

The hot weather which at present prevails puts the refrigerator car service to a severe test, and makes it imperative that the shippers, as well as the transportation companies, should take extra precautions to insure against any possibility of the butter becoming heated at the creamery, on the way to the station, or at the station before it is loaded into the car.

Information which has come to hand goes to show that some of the creamery men are not as careful as they ought to be in handling the butter from their own refrigerators to the cars. Cars have arrived in Montreal lately with the butter from some creameries in good condition, while that from others was very soft, indicating clearly that the butter must have been put into the car in that condition. If the butter is allowed to get warm and soft on the way to the station, or at the station, no refrigerator car is cold enough to harden it much, if at all, before it reaches Montreal. If the car keeps the butter in good condition after receiving it in good condition, it serves its purpose admirably.

Those who have to deal with the matter should see to it that the butter is taken as direct from the creamery cold storage to the car as it is possible to arrange, for every hour that the butter is exposed to the heat means so much deterioration, which can never be corrected.

It might be well to point out in this connection that, if butter is once allowed to become soft through heat, it will take a much lower temperature to harden it again than that at which it was formerly held. To illustrate: The average melting point of butter is about ninety-one to ninety-two degrees Fahrenheit; but once it is melted, the temperature must be reduced to about seventy-four degrees to solidify it again.

By giving space to the above in your paper, you will confer a favor upon this department, and, it is hoped, a benefit to the dairy business.

Yours faithfully,

JAMES W. ROBERTSON,
Agricultural and Dairy Commissioner.

RESTORING LOST FERTILITY.

Editor of FARMING:

Having been asked by a reader of FARMING for a plan to restore fertility to a farm run down by cropping and cattle-raising, and also how to most economically keep it in condition, I send you the answer for publication, as it may be of some value to others besides the inquirer. The inquirer states that he does not want to keep cattle, or at least, not for some years, as the outlay required for preparing proper quarters for them, and buying enough stock to make the operation profitable, is more than he is prepared for. A large part of his land is in meadow and pasture, and the balance in grain and roots. The meadows and pastures are better than usual this season, but usually they are very poor, and getting poorer every year. His grain is about as poor as any he knows of, and his roots the same, but he says he knows lots of farmers whose crops are not a whit better than his own on an average.

I can only undertake to advise in a general way, and I must use discretion in the matter of detail procedure. Where he has a fair amount of clover in any meadow or pasture, I advise the plowing of the sward as early as practicable this season, and seeding with clover, applying a liberal dressing of Thomas-Phosphate Powder, and plowing down the clover for his 1899 fall crops, or, in case of a good fall growth, for the spring crops; or, the seeding with fall wheat and clover with the Thomas-Phosphate manure, the clover to afterwards serve for a humus crop to plow down. I would take the chances of the plants well supplied with available phosphate, finding sufficient potash in the land for the present, and getting enough nitrogen for average production from the clover swards. On the grass lands showing no clover, he should immediately apply a liberal dressing of the same manure, and next summer they will develop richly in clovers, probably red and white only. This he will plow down instead of cutting, and in the fall of 1899 drill in wheat with phosphate, as on the other land, sowing clover.

After that he can begin a rotation of crops, without a further application of the phosphate to last described lands for four years, and then such of the land as he has in meadow he will find advantageous to top-dress with the phosphate. The lands he is now cultivating for grain and roots should be got into clover for plowing down as soon as practicable. If it is the intention to continue the farm without cattle it will be necessary to supply potash, in which case "Kunt" is the cheapest and most practicable potash manure for the purpose. By adopting this plan some formerly barren wastes and barren lands have been restored to fertility profitably, and prepared for still more profitable stock-farming and dairying. On some of the lands it may be found more economical to use peas and vetches as a plow down manuring crop, as it gives a larger growth for the purpose in much shorter time than clover, and they are gatherers of atmospheric nitrogen on the same plan as clover.

T. C. WALLACE
(Wallace & Fraser),
Toronto, Ont.

PROFITABLE FARMING DEMONSTRATED.

Editor FARMING:

A correspondent asks in the July 19th number of FARMING the pertinent question: "Tell us how to make more money out of our farms and keep up the land," etc., etc.

In reply to this I offer to inform your enquirer in, perhaps, a new way. I have always taken the stand that a practical demonstration and object lesson is the true method of imparting knowledge in the minute business science of agriculture, and I therefore make the following offer and reply to your late enquirer:

If he will take the trouble to visit my farm at Brinsville, Ont., any time during the month of August, we will undertake to present the following facts, and allow the individual to draw his own conclusions, and should we fail to verify these by careful inspection and investigation, and to establish them as true facts, we will agree to pay your reader's expenses directly to and from the two points of departure. We will undertake to show a daily average cash product for five months, from six acres of pasture land, of over twelve dollars per day, at a cost of five dollars purchased feed, and less than fifty cents per day for labor, and also added fertility to the land of over four dollars per day during the entire 150 days. We will also show over ten dollars per day cash product from sixty acres of pasture during an average period of 150 days, starting from the middle of May; also an added fertility to the land of one dollar per day at a labor cost of two dollars per day, and one dollar and fifty cents of purchased feed. We will also show grown and growing crops on eighty acres of land, which give a daily market crop value while growing during an average of four months of over fifteen dollars per day at an average daily cost value in labor of five dollars per day.

All of which is submitted as an answer to your enquirer, and are demonstrated facts.

D. M. MACPIERSON,
Lancaster, Ont.

July 27th, 1898.

CANADA CENTRAL FAIR.

Visitors to Ottawa's great fair in September will see many changes and improvements at Lansdowne Park, where the exhibition is held. Indeed, the improvements have been so great that Ottawans confidently assert their fair park and accommodation are now the very best in Canada. The size of the grounds has been increased by the acquirement of some eight or ten acres, and the canal bay has been transformed into a beautiful lake with a running fountain. A new main building, fire-proof, in which all the exhibits will be on the first floor, additions to all the other buildings, and the construction of a wharf near the Elgin street gate, are among the other improvements. As usual, the fair directors have secured a fine list of special attractions. The night spectacular will be the "Siege of Delhi," the costliest and most thrilling military spectacle yet produced by the renowned firm of Hand & Teale. We learn that among the specialists secured are Prof. Lazear, the famous balloonist and parachute performer; Prof. Sutherland, the "dare-devil rider of the century; Johnson, Davenport and Lorello, comedy crobats; Newell and Shevette, triple

bar performers, and the Cornalla's quintette, the favorite European court acrobats. The last-named family is said to be the greatest in their line in the world. There will also be the marvel of the century, "the high diving horses," and the "guidless wonders," horses that trot against each other without drivers.

You can make money at your local fair by securing an agency and representing FARMING. Write to us at once for particulars. FARMING, 44-46 Richmond St. W., Toronto

Stock Notes.

Live Stock Importation.

Mr. J. E. Brethour, of Barford, Ont., is importing from England, per S.S. *Lake Superior* of the Beaver Line, the following live stock: For sheep and thirty-eight pigs. Among this number are four prize-winning Southdown sheep, purchased at "The Royal" for Mr. John Jackson, of Abington; seven Oxford Downs, for Messrs. John H. Jull & Sons, of Mount Vernon, Ont. Three ewe lambs of this lot were in the third-prize class at the Royal, and two of the ram lambs were selected from the pen of three ram lambs that were highly commended, also two very choice shearing ewes.

Mr. R. H. Harding is getting a shearing Dorset ram purchased from the celebrated flock of Hugh McCalmont, M., who was one of the successful exhibitors at the Royal this year. The balance of the sheep are Shropshires, which have been carefully selected by Mr. Brethour from noted flocks.

Mr. George Green, of Fairview, Ont., is getting a Berkshire yearling boar and a sow in pig. The second prize boar in the yearling section and a splendid Tamworth sow-in-pig that has made a record in the English shows are going to A. C. Hallman, of New Dundee, Ont. Mr. Andrew Elliot, of Galt, has secured the best young boar in the first-prize pen of three pigs, farrowed in 1898; and Mr. John Bell has ordered a young boar bred by the same exhibitor, and which would have been shown in the first-prize pen had it not been for a slight accident to one of his feet. A Tamworth and Berkshire sows have been purchased for Mr. D. C. Flatt, of Millgrove. The balance of the pigs are purchased to be added to the celebrated Oak Lodge herd, and, without doubt, they are equal to any importations of Large Whites ever brought to Canada. The winner of the first prize in the over one-year section of boars, and also champion prize and gold medal for the best large white Yorkshire, any age or sex, has been secured by Mr. Brethour at a long price. Forty-five guineas were offered for the second-prize boar in this same class.

A young boar from the first and second-prize pens of three boars, farrowed in 1898, both of which prizes were won by Mr. Daybell with six pigs all of the same litter, and the second prize for three sows same age, and of the same litter as the boars, was won by this exhibitor; which goes to show that there must be some uniformity of breeding in Mr. Daybell's herd. These three sows were all purchased by Mr. Brethour, together with two sows from the pen winning first prize in this section at the Royal. Added to these are the three young sows winning the "highly commended" in the three young sows section, also a number of young boars, together with a lot of sows-in-pig.

All these pigs have been personally selected by Mr. Brethour, from the largest and best herds in England, at a great expense, and they ought to be the means of assisting to build up the reputation of Canadian bacon, which is attaining an enviable position in the bacon trade in England.

The Celebrated Hackney Banquo Dead.

Horse breeders throughout the Dominion will learn with regret the death of the celebrated hackney stallion "Banquo," the property of Mr. Beith, M.P., of Bowmanville, Ont. Banquo was bred by Mr. Beith, and was without doubt one of the best bred hackney stallions in Canada. He was a remarkable prizewinner. A year old he won second prize at the New York Horse Show; the following year he won first prize as a two-year-old at the same show. At the Chicago Horse Show in 1897 he won first prize, and at the Toronto Horse Show last spring he won first prize and the championship. Twice in succession Banquo won the English Association's medal for the best hackney-bred stallion in Canada. He was also a winner of valuable prizes at the Toronto Industrial and other leading Canadian exhibitions. Banquo had proved himself a valuable stock-getter, and his loss is a serious one not only to Mr. Beith, but to the local breeders in the Bowmanville section. Mr. Beith has recently added to his hackney stud the promising young colt "Squire Rickall," sire, the famous "Cadett," dam "Miss Rickall," a full-sister to "Banfire," who was sold for \$15,000 to go to England. Besides this colt Mr. Beith has now sixteen hackney mares in his stables at Bowmanville, which he is fitting for the Toronto Industrial and other leading exhibitions.

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Full courses of lecture with practical instruction in subjects needed by young men who intend to be farmers. Send for circular giving information as to course of study, cost, etc.

JAMES MILLS, M.A., President.

Guelph, Ju'y, 1898.

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Read the following Testimonial:

Toronto, Ont., Nov. 10th, 1897.

J. MCINTYRE, Esq., Toronto, Ont.
Dear Sir:—My case of rheumatism was, I think, the most terrible a person could possibly have. After having been treated by several doctors all the time being of no avail, I was taken to the Toronto General Hospital, and underwent all known forms of treatment for four months, and was pronounced incurable by the Medical Staff. My limbs were stiff and swollen and I suffered with constant agonizing pain, my hands and fingers were swollen and stiff as if frozen. I was taken home and resigned to die. I fortunately heard of Dr. Robbins' Rheumatic Remedy and sent my little girl for a bottle. When I had taken three doses I was entirely free from pain, and after taking half a bottle I went back to work and have not missed a day since. I have taken two bottles and am entirely cured and consider my recovery the most remarkable I ever heard of. I would cheerfully recommend it to anyone suffering from rheumatism. Yours sincerely, R. BYTTELL, M.G. G.N.W. Tel. Co.

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