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PROFESSOR J. W. MITCHELL TELLS OF HIS ISLAND TOUR

Through the Guardian he Gives the Farmers Good Advice Regarding Dairy Matters

QUESTIONS DISCUSSED AT THE VARIOUS MEETINGS

Economy in the Production of Milk etc.—Sample Rotation of Crops—The Quality of the Product Bad Practices Condemned by Professor Mitchell.

The Guardian representative waited upon Prof. J. W. Mitchell of the Dominion Dairy service before his departure from Charlottetown after holding a series of meetings throughout the Island, and elicited from him the following information regarding his tour. Eight meetings in all were held—three in Kings County, three in Queens and two in Prince—and as many of the cheese factories and creameries were visited as time would permit. The meetings were very satisfactory the attendance being fair and interest good. He was accompanied throughout by Dairy Supt. Morrow who spoke briefly at most of the meetings, making many wholesome remarks and timely suggestions. The following are some of the subjects discussed at the various meetings:

The maintenance of soil fertility, economy in the production of milk and its products and the production of an article of milk, cheese and butter of prime quality which would bring the highest price.

Speaking upon the first named subject he strongly advocated the keeping of stock and feeding of most of what is grown upon the farm, and putting upon the market only animals and animal products. The fertilizing ingredients of the manure should be carefully husbanded through the use of manure sheds &c. In addition to the growing of a variety of crops and the feeding of these to the stock, the crops should be properly rotated, with clover largely in this rotation as clover is a great fertilizer in many ways. It has the power of utilizing the free nitrogen of the atmosphere and hence returning to the soil one of the most important elements that wheat and other cereal crops take from it; and in addition to this being a deep rooted plant it pumps up other fertilizing elements from depths beyond the reach of most plants.

Mr. Mitchell expressed himself as greatly pleased with both the root and grain crops, and especially the wheat crops which he says is more informally good than the oat crop although the latter is also very satisfactory. While very favorably impressed with the country yet he thinks that we have a soil which while of a responsive nature, requires special care being in the whole inclined to be light and more or less leachy. He favors such a form of farming as will keep plenty of humus or decaying organic matter in the surface soil, as this not only supplies fertility but acts like a sponge to hold moisture and prevent undue leaching. To this end he favors shallow cultivation, the application of farm-yard manure, the ploughing down of sod with a good after-draw and where necessary the ploughing down of such green crops as buckwheat. He mentioned the following as a suitable crop rotation: Two years hay or pasture—

largely clover—then some kind of a hoe crop (or p.a.), and next a grain crop and seed down.

Mr. Mitchell spoke of the suitability of dairying to the maintenance of soil fertility, since it allowed not only of the returning to the soil of a very large percentage of the fertilizing ingredients taken from it but furthermore allowed of the growing of clover very largely for both hay and pasture purposes, as it is exceptionally rich in milk making material. Altogether the superior of timothy in this respect.

ECONOMY IN PRODUCTION.

Dealing with the question of economy in production, Mr. Mitchell laid it down as a fundamental principle that in order to produce economically, a cow must give a good daily yield of milk during a good long period. This meant proper field care and management and a good dairy cow. During a cow's milking period every care must be taken to keep up and prevent any check in the milk flow. This means that during the summer season we must not depend entirely upon a pasture, but must grow some kind of a soiling crop to supplement them. For this purpose he recommended the sowing of a mixture of peas and oats (about one and a half bushels of each to the acre) or a mixture of oats, peas and vetches, (about one and a half bushels of oats and three quarter bushels each of peas and vetches, or a mixture of oats and vetches (about one and a half bushels of oats and between one, and one and a half bushels of vetches to the acre). Make about three sowings, the first when beginning seeding in the spring, the second about a fortnight later and the third about a fortnight later still, and for a herd of eight to ten cows, sow from a third to half an acre at each sowing. Again it is a vital mistake to leave cows exposed in inclement weather or cold nights in the fall. They should be housed when it is stormy and at nights, as soon as the nights become at all cold and should receive additional feed during this season, also as a supplement to the pastures. In speaking upon the winter care and feeding of milch cows, he said that we could not do better in the making up of winter rations, than to imitate good pasture grass, the leading features of which are that it is succulent or juicy, palatable, digestible, fairly bulky and so balanced in its composition as to supply all the needs of the animal; and one of the strong features about dairying is that it permits of the growing of such classes of foods for winter feeding as can be grown cheaply and in large quantities, such as corn for silage purposes, clover hay, the coarse grains, either singly or in mixed form and roots, as the following sample rations will show:—

(a) 20 pounds mixed hay (half timothy and half clover).
25 pounds mangels.
8 pounds mixed meal (equal parts peas, oats and barley).
(b) 15 pounds clover hay.
6 to 8 pounds oat straw.
20 to 25 pounds mangels.
8 pounds mixed grains (or four pounds bran and four pounds chopped roots)

QUALITY OF PRODUCT.

In speaking upon the question of the production of an article of superior quality which would command the highest prices Mr. Mitchell said that while much depended upon the care and skill of the cheese or butter maker, yet unless his raw material, the milk, was right it was impossible for him to turn out at best more than an indifferent or mediocre quality of goods, and that for his own

TRADES UNION PRESIDENT AGAINST BALFOUR'S CABINET

Declares Their Measures Reactionary—Working Men Must Constitute Themselves a Great Political Force—Against the Boer War—Seventy Were Drowned in Port Elizabeth Storm.

TRADES UNION, PRESIDENT SPEAKS.

LONDON, Sept. 2.—(Special).—W. C. Steadman's presidential address at the Trades Union Congress included a general denunciation of the Government's reactionary measures, such as the Education Bill, the sugar tax and grain tax, which he described as an endeavor to permanently relieve the rich at the expense of the poor.

ADVISES LABOR COMBINATION.

He denied that trades unionism is destructive to British commercial supremacy and said the only way working

men could secure relief was to constitute themselves a great political force.

AGAINST THE BOER WAR.

During the consideration of the Parliamentary Committee's report a motion to omit reference to the King's coronation was defeated, but a vote passed declaring the Boer war unjust.

SEVENTY WERE DROWNED.

CAPE TOWN, Sept. 2.—(Special).—It is now estimated that 70 persons were drowned in the storm at Port Elizabeth on Monday.

THE EDITOR'S MAIL.

SIR,—I would like through The Guardian to call the attention of our Supervisory Magistrate to the necessity of instructing and insisting upon the Marshal and Police Force to see that the rowdism and boisterous shouting on Kent Street within sight and sound of the City Building is stopped and done away with, and not be allowed as it was on Friday and Saturday nights last until two and three o'clock in the morning to the great annoyance of the residents. This street which used to be so quiet and orderly, is fast becoming notorious for its loud shouting and noise at all hours of the night, and that under the nose of our City Hall. Is there no protection for sick people and others who need quiet rest at night.

CITIZEN.

FREE PASSAGE TO ENGLAND.

LONDON, August 31.—Elder Dempster & Co. have offered free passages from Canada to Liverpool to any person whose object in coming to England is the development of trade between Canada and South Africa.

SOVEREIGN RASPBERRY VINEGAR IS JUST LIKE WHAT MOTHER USED TO MAKE TRY IT.

IDENTITY REVEALED.

HALIFAX, Aug. 31.—The young woman who jumped from the D. A. R. express Thursday, is Miss A. M. Young, of Boston. Her brother is an official of the Boston & Maine railway. She is still in a semi-comatose condition, but will recover.

He'd Never Thought of It.

The camera fiend was getting ready to go into the woods, his present had been the photographing of young birds in their nests, for the purpose, as he explained, of illustrating the "life history" of the feathered songsters.

"My friend," said one of the group on the porch, "I know you to be a man of humane instincts, and that you would hesitate a long time before you would kill an innocent thing like a wood thrush, a young robin or any other harmless bird. Now would you cause them pain, much less a lingering death, if you knew it. Now, the fact is, you are almost certain to do all these things in your pursuit of the photographs of very young birds."

"I don't see how," was the incredulous rejoinder.

"Then I'll take the liberty of explaining. In almost every instance you find it necessary, in order to get the proper light upon a nest, to cut away some of the limbs that surround it. In doing this you are almost certain to frighten the mother bird, sometimes to so great an extent that she leaves the nest never to return, which means death by the torturing process of starvation to her little brood. Even if this does not occur, the removal of the twigs and the leaves upon them deprives the growing youngsters of their natural protection from the burning sunbeams or the cold, driving rains, and death comes to them in that way. Or, escaping this danger, they fall victims to hawks, owls or other birds of prey; your handiwork, by rendering the nest more conspicuous, having contributed to this result."

"By jove, I never thought of that," said the man with the fad, "but now I see that it is true. I'll do no more of it." And he kept his word.

Regarded in Different Ways.

That one can obtain more favors by "jolly" than by being brusque is just as true as "one can catch more flies with molasses than with vinegar." The New York Tribune cites a case in point:

Two young men employed by the New York Life Insurance Company have lived in a boarding-house in West Twenty-third street for some time, and one has the reputation of being a "jolly" while the other is quick spoken and of a bearish disposition. The young men are friends and usually breakfast together. Their respective standings in the estimation of the dining-room maid may be judged from the way in which that same maid shouted their orders—both had requested steaks—down the dumb-waiter shaft recently:

"A nice beefsteak, a trifle rare, for Mr. Wood. Some meat for Baldwin."

R. L. BORDEN IN MONTREAL OFF FOR HIS WESTERN TOUR

Intercolonial Hotel Sydney With Fifty Guests Quarantined for Suspected Smallpox Case

DATE OF THE HIGGINS MURDER TRIAL IN SAINT JOHN

Goodspeed Says Higgins Tried to Throw Him from Train—Fire in Society Hall Truro—Lady Climbs Mount Donald—Halifax Amateur Champion Sculler Defeated

DATE OF HIGGINS TRIAL.

ST. JOHN, Sept. 2.—(Special).—The trial of young Higgins for the murder of Doherty is set for September 16.

TRIED TO KILL GOODSPEED.

Young Goodspeed told the Grand Jury that Higgins tried to throw him from the train when they fled from St. John.

HALIFAX CHAMPION SCULLER BEATEN.

HALIFAX, Sept. 2.—(Special).—Wm. Duggan the Halifax champion amateur sculler, was defeated at Essex, Mass., by Hamilton.

SYDNEY HOTEL QUARANTINED.

SYDNEY, Sept. 2.—(Special).—The Town's health officers have quarantined the Intercolonial Hotel, owing to a suspected case of smallpox.

There are fifty persons locked up in the hotel.

FIRE IN TRURO DESTROYS A HALL.

TRURO, Sept. 2.—(Special).—Fire in Senator McKay's wooden building on Inglis street affected several organizations, including I. O. Foresters, A. O. U. W., Brotherhoods of Brakesmen, Firemen and C. M. B. A., all of which met in the building and their quarters were damaged.

BORDEN OFF TO THE WEST.

MONTREAL, Sept. 2.—(Special).—R. L. Borden arrived here and with a party of colleagues will leave tomorrow for a western tour.

LADY CLIMBS MOUNT DONALD.

VICTORIA, Sept. 2.—(Special).—Miss Marion Raymond of Boston, accompanied by two Swiss guides reached the summit of Mount Sir Donald this morning. She is the second lady to climb this city peak.

CELTIC BEATS HER RECORD.

NEW YORK, Aug. 30.—The big White Star liner Celtic arrived in port this evening from Queenstown after her quickest trip across the Atlantic, eclipsing both her eastward and westward records. The vessel made the passage in seven days, five hours and 13 minutes, beating her westward record by 13 minutes and her lastward record by 33 minutes.

CHICAGO MARKETS.

CHICAGO, September 2.—(Special).—Sept.—Wheat, 70; Corn, 57; Pork, \$16.80.
Dec.—Wheat, 67; Corn, 42; Pork \$14.75.

NEW YORK STOCKS.

Daily Quotation List Furnished by E. G. RYKERT & CO., MEMBERS OF THE MONTREAL STOCK EXCHANGE

Closing prices	Aug. 29	Sep. 2
Amalgamated Copper	67 1/2	69
American Sugar	131 1/2	132
Atchafson Common	95 1/2	96
Atchafson Preferred	104 1/2	105 1/2
Brooklyn Rapid Transit	67 1/2	68 1/2
Erie	41 1/2	42 1/2
Louisville & Nashville	154 1/2	154 1/2
Manhattan	138 1/2	138 1/2
Metropolitan Ex Div	148	147 1/2
Missouri Pacific	110 1/2	112 1/2
New York Central	103 1/2	105 1/2
Pennsylvania	102 1/2	103 1/2
Reading	69 1/2	70 1/2
Rock Island	185 1/2	186 1/2
Southern Pacific	77 1/2	78 1/2
Union Pacific	37 1/2	40
St. Paul	186	187 1/2
United States Steel Common	112 1/2	113 1/2
United States Steel Preferred	41	41 1/2
Soo Preferred	137 1/2	137 1/2
Detroit	90 1/2	91 1/2

CANADIAN STOCKS.

Daily Quotation List Furnished by E. G. RYKERT & CO., MEMBERS OF THE MONTREAL STOCK EXCHANGE

Closing prices	Aug. 29	Sep. 2
J. P. R.	142 1/2	144 1/2
Twin City ex div.	128	128
Y. Montreal St.	285 1/2	285 1/2
Toronto Ry.	122 1/2	123
Halifax Street	111	111
Richelleu & Ontario	108 1/2	108 1/2
Dominion Coal Common	142	143 1/2
Dom. I. and S. Com.	73 1/2	75
" Preferred	100 1/2	100 1/2
" Bonds	91 1/2	91 1/2
Nova Scotia Steel	113	114
Montreal Power	102	103
Amal Superior	203	204
Ogilvie Common	100	100
" Preferred	128 1/2	132
" Bonds	115 1/2	115 1/2

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SWAN NIAGARA RAPIDS.

NIAGARA FALLS, N. Y., August 31.—Carlisle D. Graham swam from the whirlpool below Niagara Falls through the lower rapids to Lewiston this afternoon. He wore a life preserver about his waist and a neck float. The current whirled the swimmer to the centre of the stream and for nearly half a hour he battled with the waves. He said he felt no bad effects from his swim.

BOER GENERAL'S IN LONDON.

LONDON, August 31.—Generals De Wet, Botha and Delarey and Mr. Fischer arrived here to-day from the Hague.

NERVOUS, SLEEPLESS AND EXHAUSTED.

Not sick enough to lay up, but you are out of sorts, blood is weak, nerves unstrung, kidneys deranged, vitality low. You should use Ferrozone at once. It will enrich, strengthen and purify the blood, invigorate and pacify the nerves, and increase your energy, vitality and power. Ferrozone will renew your appetite and digestion, make you sleep soundly—in fact will make you well. Try Ferrozone. Price 50c. per box, or six boxes for \$2.50; at druggists, or N. C. Folsom & Co., Kingston, Ont.

DR. HAMILTON'S PILLS CURE HEADACHE

CITY SCHOOLS

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A Good Line of Men's Boots

are displayed in our South window to-day. The prices are \$1.38, 1.68, 1.75, 2.00, 2.10, 2.25, 3.00. Our \$1.68 Dongola Laced Boot, and our Box Calf Boots at \$2.25 and \$3.00 a pair are extra good value, and the style and fit of them is all right.

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