

WINTER RATION FOR MILCH COWS
(Experimental Farms Note.)

The general principles involved in the feeding of milch cows may be outlined, but the most economical ration can be determined only by the feeds available their cost and the capacity of the cows that are being fed. The feeder alone can determine what his individual cows should have, to give best returns.

It may be definitely stated that a meal ration of from 1 pound meal to each 3 pounds milk produced, to 1 pound to each 4 pounds milk, is the profitable limit. It is also known that digestive troubles, due to the heavy feeding of meal which is necessary under high production, can be largely overcome by giving an abundance of succulent feed along with the hay and meal ration. In considering a ration for milk, therefore, a good quality of hay, succulent feed, and meal mixture must be considered as definite requirements.

The quality of the hay is a big factor, as poorly cured hay is not appetizing and may cause digestive troubles as well. The value of good clover hay as compared with the grasses is too little appreciated even though there is abundant evidence to show that the legume hay will materially reduce the meal feed requirements over the average hay.

Hay and meal alone cannot give best results. This is not because hay and meal does not contain the necessary constituents for milk as the corn silage or roots but rather because the animal is kept in better physical condition because of the succulent roughage and is therefore able to make full use of the meal and hay fed without ailments that are likely to follow heavy feeding of these alone.

The succulent feeds are corn and roots. Corn silage alone can be fed more abundantly than roots, for the reason that the bowels are not kept as open. A good combination is one-third roots and two-thirds corn, mixed together. Cows ranging around 1400 pounds may take 50 pounds of the above mixture per day and those 1400 pounds may take 60 pounds without being too loose. It is necessary for the feeder to watch his stock as cows cannot do well if purged excessively.

In compounding a meal ration bran should be one of the principal ingredients. Of all the mill products from wheat, bran seems to be the best and this with cracked oats should approximate two-thirds of the meal ration. To this is added the cottonseed or linseed meal which are more concentrated. A mixture which has given good results in feeding at the Kentville Experimental Station is made up of 300 pounds bran, 200 pounds crushed oats, 200 pounds cottonseed, 100 pounds linseed meal. This is mixed together and 1 pound salt added to every 100 pounds of the mixture when mixing.

With reasonable care there is little danger of trouble from overfeeding with bran and oats, but with cottonseed there is danger, and it is doubtful if it is, even in such a mixture, advisable to give a cow more than 4 pounds of cottonseed per day, and if very heavy feeding is practised so that above that amount is given we would increase in the linseed and correspondingly reduce in the cottonseed. Cottonseed may be dropped out and the linseed meal used entirely as the latter is a safer concentrate, but generally the cottonseed is cheaper and can be used in part to advantage.

The practice at this Station is to feed during the winter 1 pound meal to 3 pounds milk produced, and 40 to 60 pounds roots and ensilage using two-thirds corn to one-third roots, either turnips or mangels and 10 to 12 pounds hay for each cow per day.

The first feed is given directly after milking in the morning, consisting of half the ensilage and roots with half the meal scattered on it, and followed by half hay. This is followed by an afternoon feed of ensilage and roots with meal, to be all eaten before milking time, and the balance of the hay is given after milking.

Water is before the cattle all the time and exercise is given in the yards on fine days.

W. S. BLAIR,
Superintendent,
Experimental Station, Kentville, N. S.

EXCHANGE RATES

Exchange rates have been discussed many times in recent months. A glance over the year just closed shows that the average discount of the Canadian dollar in the markets of the United States was 13 per cent. The Canadian Manufacturers Association are using this, and other very good points in planning their campaign for the purchase of made in Canada goods. One hardly realizes the size of the trade with United States, and the speed with which it is developing until the real figures are taken into consideration. Here are a few which bring out the point very well:

Total trade with all countries, \$2,635,118,750; total trade with U. S., \$1,472,858,076—over 50 p. c.

Total imports from all countries, \$1,345,582,300; total imports from United States \$927,564,711—over 68 per cent.

Total exports to all countries, \$1,289,536,450; total exports to United States, \$645,283,365—over 42 per cent.

The same reckoning goes on to analyze trade figures and show that Canada imported from United States last year \$211,208,979 worth of goods that could have been manufactured or procured in the Dominion.

APPENDICITIS

Warm Water Properly Applied Prevents Operations, and Has Cured Many Advanced Cases

Hundreds of operations for Appendicitis have been avoided by the "J. B. L. Cascade," and thousands of others who have had Stomach Trouble for years have regained their health completely. Most troubles arise from poison accumulated in the Colon, which is absorbed into the system. Internal Bathing keeps the system clean, cures Constipation and the hundreds of ills which are directly traceable to it.

These letters from among thousands in our possession should convince you that Internal Bathing brings positive results. Mr. James McLaughlin, 91 Evanson Street, Winnipeg, writes:

"I bought a 'J. B. L. Cascade' for the cure of a bad case of Appendicitis. My doctors told me I must have an operation at once. I had spent more than fifty dollars in doctor bills, but the Cascade completely removed in a few days every trace of soreness and pain. I eat and sleep well now, have regained my former weight, and am now in perfect health."

A Mother from R. R. No. 1, Leamington Ont., writes: "About two weeks ago our eldest son took sick with cramps in the bowels so bad he could not move. Our doctor gave him hypodermic injections and ordered him to the Hospital to be operated on at once. Before doing so, however, I induced him to use the 'J. B. L. Cascade' and in less than a week he was up and around, and has been well ever since. It also cured me of severe Headaches and Constipation. I cannot praise the Cascade enough. It is a wonderful invention."

If you have Constipation, Headaches, Appendicitis, or feel languid and not right, don't drug yourself, bath internally. The "J. B. L. Cascade" is being shown and explained at A. V. Rand, Druggist, Wolfville. Ask for booklet or write Tyrrell's Hygienic Institute, 163 College Street, Toronto.

WHY AND BECAUSE

Why do we use the expression "apple pie order" when we mean that things are exactly in their right place?

Because every Saturday a certain Puritan dame, Hepzibah Merton, made a practice of baking two or three dozen apple pies which were to last her family through the week. She placed them on the shelves in her pantry labeling each according to the day of the week on which it was to be used, and the pantry, thus arranged, was said to be in apple pie order.

Why is an unmarried woman called a spinster?

Because women were prohibited from marrying in olden days until they had spun a full set of bed furnishings and thus, until their marriage, they spent much time at the spinning wheel and were, therefore, "spinsters."

Why do clergymen habitually wear black?

Because when Martin Luther, in 1524 laid aside the habit of a monk and adopted the style of dress prevailing at that time, the Elector of Saxony used to send him from time to time pieces of black cloth that color then being fashionable at the Court. Luther's disciples thought that because he wore black it became them to do so, and thus it came about that the clergy grew to regard it as the only proper color for them to wear.

Why is a woman's allowance called pin money?

Because at the beginning of the fifteenth century pins were considered a very acceptable present by women, who up to that time had used wooden skewers. Sometimes money was given with or instead of pins, and was called "pin money."

Why do we say, "Mind your p's and q's?"

Because in ancient times behind the door of each alehouse there hung a slate, on which was written P, which stood for pint, and Q, which stood for quart. A number was placed opposite each customer's name, according to the amount he imbibed. He was not expected to pay until Saturday, when he had to "mind his p's and q's."—Dearborn Independent.

Minard's Liniment for Colds, Etc.

FURNACE LINE

Regular Sailings Between
Halifax, St. John's and
Liverpool, Eng.

Halifax—London, Eng.

Every facility for
Export of Apples

Passenger Service

Halifax—St. John's, Liverpool

Apply to

Furness Withy & Co., Ltd.

Halifax, N. S.

St. John, N. B. Sydney, N. S. Montreal

ADVERTISING

The value of advertising as one of the great forces in present-day business is being given steadily increasing recognition.

Mr. Roger Babson, one of the leading business experts of the United States, recently contributed his testimony still efficacy in an address he delivered in Montreal. He spoke of the factors which will restrict the period of depression that now threatens industrial America, and he included in his list national advertising, "which has become," he declared, "a great factor in the production and distribution of goods by which seasonal fluctuations in manufacturing and selling are being eliminated."

No less important a journal than the London Times lately paid tribute to the amazing development of the scope and power of advertising, a development made possible by modern conditions and the expansion of the modern press.

The time is not so far distant when a former generation of tradesmen depended for their publicity, as the Times points out, upon the signs over their doors. Today the man of business uses the sign in the same way, but his enterprise carries him farther afield and through the agency of the newspaper he makes the entire community, or indeed, his country, familiar with his name, the quality of his goods and the prices at which they are sold.

That is only one of the functions of advertising. Another, and in the long run, the more valuable, is that it creates good-will. The business man who, by his advertising, invites the buying public to his store, makes the buying public the judge, with himself, of the standard of his goods. A tradesman who has once gained the confidence of the people and who desires a lasting success will jealously guard that standard. He knows that he cannot afford to let his name be associated with goods of poor quality, or with unfair prices. The advertiser's name becomes his trade mark. It becomes synonymous with merit in the minds of his customers. It is an asset of real value.

Advertising has this further merit as a force in modern business. It ensures an outlet for finished goods, which permits the manufacturer to go in for mass production, thus lowering the cost of the product, and in the case of the retailer it provides for quicker turnover, which permits him in turn to sell at lower prices. Thus the consumer benefits by the lower costs of articles sold through advertising.

Business men who have consistently and intelligently applied the right methods of advertising to their business are in no doubt about the far-reaching and beneficial effects it produces. It is a powerful adjunct of present day salesmanship.

—Calgary Herald.

"How dear to our hearts is the paid up subscriber," is the popular song of publishers these days.

A Kidney Remedy

Kidney troubles are frequently caused by badly digested food which overtaxes these organs to eliminate the irritant acids formed. Help your stomach to properly digest the food by taking 15 to 30 drops of Extract of Roots, sold as Mother Selge's Curative Syrup, and your kidney disorder will promptly disappear. Get the genuine.

BABY SLEIGHS

Latest styles, handsomely finished in red, green or white enamel, some of them with hoods.

\$4.50 to \$21.50

RAIL SLEIGHS

\$2.25, \$2.50

BOYS' SLEDS, with spring shoes 75c, \$1.00, \$1.50 and \$1.80.

STEERING SLEIGHS

\$2.00, \$2.25, \$2.70 and \$3.15.

Special Price List of Sleighs Now Ready. Write for it.

WE PAY FREIGHT on orders amounting to \$10.

VERNON & CO.,

Furniture and Carpets.

TRURO, N. S.

BONDS

BUY your BONDS now, the price has advanced since January 1st, 1921.

REAL ESTATE

There is a demand for Farms and small country homes

FIRE INSURANCE

Are your BUILDINGS INSURED? Do NOT neglect this protection.

Write or Phone 22-31.

Phone 22-31
Grand Pre, N. S.

ANNIE M. STUART,
INVESTMENT BROKER.

ANGLO-SAXON SETTLERS

(From the London Advertiser)

There is a growing sentiment here for the encouragement of British and American immigration to the discouragement of that from Eastern Europe particularly. The heaviest tide of immigration is still from Great Britain and the United States. Of the 110,000 people who came to Canada between April 1st and November the 1st last, over 60,000 were British and about 35,000 came from the United States. Their immigration is inspired, not by despair, but by hope. If a common impulse animates them it is a devotion to Anglo-Saxon ideals, and a faith in the future of Canada and of themselves. A desire to better the conditions of life needs no excuse and little explanation.

The principal of a certain school for girls had occasion to speak sharply to one of the pupils recently.

"Mabel," he said sternly, "you've neglected your work shamefully, and you must remain with me an hour after school."

Mabel shrugged her thin little shoulders.

"Well, Mr. Stoney," she said, "if your wife doesn't mind, I'm sure I don't."

WHO AM I?

I am more powerful than the combined armies of the world.

I am more deadly than bullets and I have wrecked more homes than the mightiest of sieges.

I steal in Canada alone over \$30,000,000 each year.

I spare no one, and find my victims among rich and poor alike, the young and the old, the strong and the weak; widows and orphans know me.

I massacre thousands upon thousands of wage earners in a year.

I lurk in unseen places and do most of my work silently.

You are warned against me but you heed not.

I am relentless. I am everywhere; in the home, on the street, in the factory, at railroad crossings, and on the sea.

I bring sickness, degradation and death, and yet few seek to avoid me.

I destroy, crush and maim. I give nothing but take all.

I am your worst enemy.

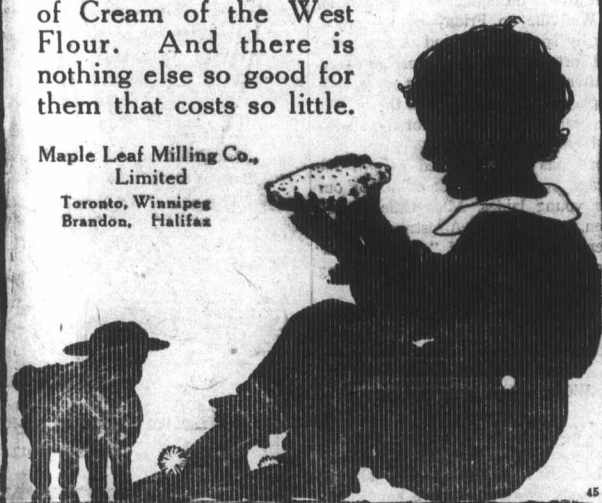
I am CARELESSNESS.

Canada has concluded a new trade agreement with France.

CREAM OF THE WEST FLOUR

Children love home-made bread made of Cream of the West Flour. And there is nothing else so good for them that costs so little.

Maple Leaf Milling Co.,
Limited
Toronto, Winnipeg
Brandon, Halifax



You can procure Cream of the West Flour from
R. E. HARRIS & SONS
WOLFVILLE, N. S.

HARVEY'S

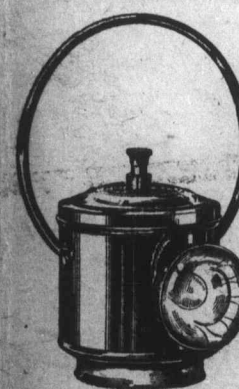
AT
PORT WILLIAMS

Is the Place to Go for YOUR

Plumbing, Heating, Sheet Metal work, Pumps of all kinds, Power Sprayers, Hand Sprayers, Potato Sprayers, Hose, Spray Guns, and all kinds of fittings and repairs. Satisfaction guaranteed.

Phone 100-11.

Special Announcement



A big handsome lantern of great usefulness to farmers, storekeepers, sportsmen and delivery men, and all others who work in the dark. This search lantern is perfectly safe and will not blow out. Fully nickel plated.

PRICE COMPLETE \$8.95

This lantern and many other flashlights will be shown in our EVEREADY CONTEST RESULT WINDOW FROM FEB. 1ST TO FEB. 12TH.

See the big display card in the window and see if you are one of the lucky winners.

THE PLACE: J. C. Mitchell's Electric Shop

WHERE: CENTRAL MAIN ST., HERBIN BLOCK

TIME: FEBRUARY 1ST TO FEB. 12TH, 1921

Professional Cards.

Dr. Leslie E. Eaton
Dental Surgeon

Office formerly occupied by Dr. McKenna. Tel. No. 43.

Blauvelt & Withrow
BARRISTERS and SOLICITORS

Real Estate and Insurance.
Herbin Block, WOLFVILLE, N. S.

M. R. Elliott, M. D.
(Harvard)

Office Hours:
1.30 to 3.30 P. M. 7 to 8 P. M.

E. A. CRAWLEY
A. M. Eng. Inst. Canada

Civil Engineer and Land Surveyor
Registered Engineer and Nova Scotia Provincial Land Surveyor
WOLFVILLE, N. S.

O. D. PORTER

Auctioneer for Wolfville and Kings County

Sales will be taken at pre-war prices \$5.00

DR. J. T. HOTCHKIS

Veterinary Surgeon
WEBSTER ST. KENTVILLE.
Phone 10

R. J. Whitten
& CO.
HALIFAX

Receivers and Sellers of all kinds of Farm Produce.

Consignments Solicited.

Prompt Returns.

Homes Wanted!

For children from 6 months to 16 years of age, boys and girls. Apply to
H. STAIRS, Wolfville
Agent Children's Aid Society.

Motor Trucking!

Any one wishing trucking of any kind done.

Apply to

L. G. Baines

'Phone 137-12.



Many a Man has

Solved the Problem

of how to keep comfortably in the forefront of the well-dressed by ordering through us Suits designed and hand tailored to his measure by

THE
Crown Tailoring Co.
TORONTO

THE product thus made available could be obtained in no other way at anything like the same moderate range of prices. Style, fit, materials, workmanship and finish combine to make Crown Suits outstanding in merit.

C. F. Stewart, Wolfville
Mail a card to Box 136 and I will be pleased to call with a full range of samples.

Minard's Liniment for Distemper.