

We Welcome Practical Progressive Idea

The Recognized Exponent of Pairving in Canada

Trade Increases the wealth and glory of a country; but its real strength and stamina are to be looked for among the cultivators of the land - Lord Chutham.

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Three Factors That Make Dairying a Success'

As Defined by Professor J. M. Trueman, of Nova Scotia Agricultural College

I TAKE if there are three things necessary for the production of milk. You may be surprised at the one 1 put find. It is not the cow, it is not the feeding of the cow. It is not the feed which the cow est. It is not the cow herself. It is the dairyman. Now, it is important to have a man who thinks and Now, it is important to have a man who thinks and a man who have stored away in the ceils of his brain knowledge that he has built up by years of work in the proper handling of cover. You may say, never missi about the man, give us some great cows like the ones in the barn at the Agricultural College and I will get the milk no matter whether I ever saw a gow before on ot. You will not de it; you will ruin dow before on ot. You will not de it; you will ruin dece hull as much as she should produce. It is pro-man who insufficies the arimm who must have the know. man who handles the animal who must have the know ledge and that is where we come back to every time.

page and that is where we come back to every time. I remember a man whom I once knew who was driving a stage coach. About every other day that man would get mad and give the horses a licking and would keep them in a nervous conddition so that and would keep clean in a nervous conducton so that they were never able to do the work and nobody was ever satisfied. It works the same with a cow. The man who, every time the cow does not do just as

he wishes, remonstrates with her with the stool, is not going to make

I used to wonder what the man who drove the stage coach was good for and used to stay that he was good for nothing. However, even-tually we found a place for him, running a gasoline engine. When the engine did not work right, it was no good for him to beat it. He could not make anything by getting mad at the engine so he kept cool and used his brains. So if you have a man who cannot keep his temper, give him a tractor.

We have the man first, the cow second and then the feed to give her. These are the three important things. Grade Cows Advisable.

Grade cows Advisable. Let us consider the cow as to her breeding. You might get a pure-bred cow that would sell on the market at from \$400 to \$500, but this is not the kind of cow you want to give best results. I have seen many men ambitious to get

this advice. One or two here and there who have had the experience, have the capital and the ambition can make a success of pure breds to furnish the foundation stock to use with a grade herd. In this province the greatest improvement in the dairy herds will be made by the use of pure-bred sires, and in buying a pure-bread size care should be taken to study up his ancestry. Too many buils are sold simply because they are pure-breads and not on ac-count of their record.

count of their record. It is the work of the Agricultural College to build up a bert which will provide pure-bred mires for the grads herd of the province. You will never got any sympathy from me if you come to buy pure-bred differ unless I recognize delat the main has the differ unless I recognize delat the main has the which mass I am sail with the pure-bred business in the pur

"An address to the cheesemakers and creamery men

all over the country. This is the work which the

all over the country. This is the work which the best breeders of purchede are doing. These buils should be taken good care of and be "weld or a number of years. A man told me to-day that he had to sell his Ayribhics built, because he was 4 difing cross, and he was only three years old. If h^o was a good bail, he was just throwing him away as far as breeding was concerned.

as far as breeding was concerned. If you get a good buil and breed to grade cows, the next generation will be more than haif as good again as their dams. In the second generation you will use the same buil on the 50 per cent hefter, this generation will be 75 per cent parts. The part time you may use another buil just as good, prefembly bred along the same inne in an embeavor to got a definite strain of blood introduced the embeavor to got any definite strain of blood introduced the embeavor in the the same inner the embeavier the embeavor in the same inner the same inner the embeavier the same inner the embeavor in the same strain of blood introduced the embeavier in the same inner the embeavier in the same inner the same inner the embeavier in the same inner the sam In this way you will get the progeny 87 per cent

pure. So by buying a bulk of the right kind and using him on these grade cows and keeping this up for five generations, which means 10 or 12 years' work, you have your herd 96 7.8 per cent of the right blood.

to find enough to go around and we have

I do not want you to think I am opposed to the I do not want you to think I am opposed, so the right man going finto the breeding of pure-breed cattle, but I will easy that the general farmer who is pro-ducing milk is better of with this kind of stock than he is to try to breed pure stock. Even if they do seek at a high price there is nothing in 1k in the money way and you had better leave & for the men who have them, addity, capital and a chance to keep th no boteon

We would soon crowd out the breeder who was not We would scon crowd out the breeder who was not giving us the best of stoch if we did not kill the built off so much. A man came to me to-right and todh me the experience his seciety had had. First they bought a good built which gave them good re-satisfuctory; then they bought a poorer built and the was not satisfuctory; then they bought another and he was not satisfactory. Now they have come to the con-clusion shut they must go back to a good breeder and pat more real morely into a built.

The Feeding of Cows.

I will just take time to very briefly impress upon you some facts in regard to the feeding of cows.

Just to keep a 1,000-lb. cow for one year, just to maintain her so one year, just to maintain her so she whil do her work, just to pump the blood, just to keep her warm and enable her to move around would take 255 lbs. of protein and 2,892 lbs. of total nutrients. In order to produce 8,000 lbs. of four per cont milk, she will require 520 per cant milk, ehe will require 520 bs. more of protoin and 2,800 bs. of nutrient. This will be supplied by 4,530 bs. hay, 5,530 bs. (urn)ps, 428 bs. of bran, 428 bs. middlings, 214 bs. coats, 428 bs. cotton seed and five months' pasture. If you were to figure the cost of feed, it would be as follows :--

Hay	\$25.68
Turnips	13.37
Bran	8.56
Middlings	10.70
Oats	6.42
Cotton Seed Meal	12.84
Pasture	10.00

\$87.54

When you give her 775 Ms. of protein and 5,692 bs. of nutrient, you must remember that you have to feed her 225 Mbs. protein and 2,892 Hbs. nutrient to just keep her alive. You will have to add for expenses \$60. Do not

think that all it costs to keep a cow is to feed her. We have to add to that the labor which is equal to \$40 anyway, and then there are the various items, taxes, insurance, veterinary attention, bull service, etc., which will make a total of not less than \$60. The cost of keeping a cow is, therefore, \$150. If she gives 320 lbs. butter fat at 40c, the returns are only gives 320 lbs, butter fat at 40c, the roturns are only \$128. Add to this schematik, manure and calf and there will be a small profit. I would call your atten-tion to the fact that it takes as much for the actual maintenance of a cow giving 4,000 lbs, as for a cow giving 8,000 lbs. This would be a good thing to impress upon your patrons' minds. Make then un-derstand that a cow giving 4,000 lbs. But it costs as much to maintain as a cow giving 8,000 lbs. It costs so much to maintain an ordinary cow, that you cannot possibly make anything out of her.

(Continued on page 10.)

What Physicians Know About Butter By E. W. SIMMONS

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Stick to One Breed.

In too many instances the breed is shifted. If you In too many instances the breed as stance. If you have been yorking on the Holstein and change to the Shorthorn you break down the work you have been doing. This is the story. I might talk here for a week and give locure after source but I chance tell

severe and the second work of the severe to be a your anything more about because but cannot be stock on the plan of "every thme a little." Have every secondarian a little because but before. One reason you get discouraged is that you do not get a bulk good enough. The price is the emailest thing. When you pay \$200 for a bulk you are a great deal more likely to take care of ham. The trouble is that we do not buy good enough buils. We buy poor buils and after a year or two they are turned over to the butcher. We sublet all that we do not buy good enough buils, we buy boils abifit and have not a chance to are born from decent coves if you would buy buils and keep them for tem years, we would have to throw away the buils that were not up to the highest mark but as it is we have to scratch around the country

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