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## Wayside Gleanings By W. G. Orvis, Field Repre-sentative, Farm and Dairy.

Type Transmitted

E hear and read much about the value of the sire in the dairy herd. This value is gauged by his ability to transmit his own and his ancestors' good quality to his offspring. The other day a to his offspring. The other day a noted breeder of Holsteins in Ontario Co., Ont., showed me his stock bull of was justly proud. He possessed dairy type, being long, deep, full-chested, with the desirable spring of rib and massiveness of body, yet retaining the quality we all admire. From the bull pen we went to a pasture nearby where 10 to 15 calves were feeding. In these youngsters 1 a remarkable uniformity of found type. In this they resembled the sire we had been looking at. So marked was the similarity of type that I could readily pick out one or two calves from the bunch that were by any other sire. If a bull can trans-mit form and type so well is it not reasonable to expect that milking qualities and high percentage of but-ter fat can also be transmitted, if these qualities are in his blood?

Cement Watering Trough.

The building season is at hand and many plans are being studied to pro-vide conveniences in the way of time and labor saving devices to assist in offsetting the scarcity of hired help.
A system of watering the stock in
the stable is worth considering. It need not be expensive. trough at one end of the stable, or in a cement stall where horses and cattle may go a few at a time, is in use in some barns. Individual basins, a continuous trough running in front of a row of animals, is also in common use. I observed one of the latter style the other day. It was made of reinforced cement and from 15 to 20 head of cattle in one row were water ed from it. At first sight this trough appeared to be too high up, as it was much above the usual height, but the proprietor informed me that this was not the case. Cows of ordinary size could drink from it with ease, and the water was not so easily contamin ated with particles of food as it would be if it were lower down. This style of trough is cheap and effective and can be safely recommended to any-one thinking of building something of this description

What a Milking Machine Lacks.

Recently I had an opportunity of discussing milking machines with a Jersey breeder in Ontario Co., Ont. This breeder was one of the first to install a mechanical milker. After using it for quite a length of time, he discarded it. I asked him why he did this and his reply is worthy of serious consideration. "It is not because of any fault of the milking machine, for they are all right if proper-ly looked after, but it is practically impossible to get men who will give the necessary attention to them to keep them in working order. My big ble was to get men that wo take it off the cow when she was fin-ished milking. When the machine was left on, it would keep pumping away and did the cow much harm, beaway and did the cow much narm, be-sides developing in her the habit of not giving down her milk, or giving it down so slowly that she in time be-came dry. If I could be there to see that the work was done properly, our milking machine would still be in use. There is one thing, however, that all mechanical milkers lack and that is the sympathy that exists in a varying degree between cows and those who milk them." I suggested

to him that there could not be much of this sympathy between some cows and their milkers, who abuse them in no small degree. He was willing to admit that animal sympathy did not exist to as great an extent in a case like this, but claimed that sympathy with the cow was something that no mechanical milker could ever possess. Avoidable Danger.

While unhitching a norse the other day, a man who has had a very wide experience with horses, remarked: "So many people hitch and unhitch a such a manner that it is wonder there are not more accidents. They get out of the buggy and immediately fasten up the lines before the horse is set free from it. If the were to become frightened there is scarcely anything to hold restrain it, and it is more than likely some damage will be done be-fore it can be quieted." Observation proves this statement to be true Many people, even farmers, follow just such a procedure as this man outlined. A little care and thought might often save a life or prevent a serious accident, even in such a small matter as hitching and unhitching a

### FEEDERS CORNER

C. E. F. Feeding Methods

T has been oftentimes said that if good records can be made anywhere in Canada, they should be made at the Experimental Farms. The reason given for this is that there they are in a position to procure every kind of feed desired, and also to feed whether it yields a profit or The rations given below prove that this is not the case, as they are composed of material that any good farmer may have if he so wishes. These rations were fed to the two three-yer old heifers, May Echo Posch and Canan Beauty 2nd, during the months of Februar, and March, 1916, and these heifers made very creditable records in Record of Merit test. Prof. E. S. Archibald outlines the methods followed in feeding these heifers, while under test, as follows:

#### Feeding for Records.

At no time during their 7-day test did these heifers receive all the rough-age or grain which they desired. Both heifers received practically the same ration, which is as follows:

Mixed hay (timothy and ternated ..... 60 Meal mixture ..... 25

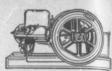
The meal mixture was composed of: Linseed oilcake meal (O.P.)., 100 Ground oats ... Peanut oil meal (40 per cent.) 200

This meal mixture is very rich, alancing 1 part digestible protein to parts digestible carbohydrates and but gave much better results than

other wider mixtures tried. Had better quality hay, such as good alfalfa, been available, undoubtedly a higher percentage of bran and oats with a lower percentage of the more centrated meals would have given the same results at a lower cost.

The complete ration, including ughages, supplied 7.03 lbs. digestible protein and 30.10 lbs. digestible carbo hydrates and fat, i.e., a ratio of 1:4.3 It is interesting to note that this is the same nutritive ratio, although dif-ferent feeds, as the ration fed Ormsby

(Continued on page 10.)



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her attention to tre flowers aione. Inte tables, herbs and frui essential in every hor are planted and nurt same care as is giver



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