

FARM AND DAIRY

The Feeders' Corner teeeeeeee The Feeders' Corner is for the use of our subscribers. Any in-terested are invited to ask ques-tions, or send items of interest. All questions will receive prompt All questions attention.

Feeding Value of Skim Milk

What is the feeding value of skim milk when fed to hogs or calves along with grain or roughage? - W. Hyde, Norfolk Ont.

The value of skim milk for feeding purposes is usually stated at 20c a cwt., but the value varies widely de cwt., but the value varies widely de-pending upon the amount of feed and the age and kind of animal to which it is fed. This winter it is more than 20c on the average, as all other feeds are high in price. Professor Henry of Wisconsin, as a

result of experimental work, found that 3.27 lbs. of skim milk was equal that 0.21 105. Of skim milk was equal to one pound of corn meal when two to three pounds of milk were fed to each pound of grain; when three to five pounds of milk to each pound of grain to be also and the set of the grain in feeding value; 5.74 where fire to seven pounds vere-fed, and 5.62 lbs, of milk to equal one pound of meal where seven to nine pounds of milk were fed. An average of all experiments showed that 4.75 lbs, of skim milk equaled one pound of meal where fired mounds that 4.75 lbs, of skim milk equaled one pound of meal in feeding value. At present prices for corn this would give to skim milk an average value of about 30c a cvt. Hogs and calves will make about equal use of skim one pound of corn meal when two will make about equal use of skim will make about equal use of skim milk so far as gains in weight are concerned. Older animals will not make as economic use of the skim milk younger ones.

Stating Henry's conclusions in another way, if corn is 50c a bushel, milk is worth 28c when fed in proportion of three to one; 16c whon portion of three to one; 10c when icd in the proportion of nine to one. If corn is worth 56c the relative val-ues are 31c and 18c, and when corn is worth 84c the value in the first case is 36c and in the second 27c.

Live Stock Notes

The successul stockman must know what each of his animals is doing each day. With the dairy herd, it is comparatively easy to keep track of each day's record, simply by weigh-ing the milk each time the cows are milked. It requires but a fraction of a minute's time each milking, and en-ables one to know at once if for any reason one or more cows are falling off in their milk; and to remedy the cause before a serious loss has been sustained. Testing for butter fat need not be done oftener than once or twice a month; but the milk should be weighed at each milking.

It is not always the heaviest feeders who get the best results. Every animal requires certain nutrients, the that If these nutrients are not supplied in the proper proportion, it means that the animal must consume and adjust larger amounts of some of the ele ments that it cannot use, in order to get enough of the others. Economi-Economical feeding requires that nutrients be supplied to animals in the proportion needed. As a rule, farm feeds are lacking in protein. This is especially lacking in protein. This is especially true this year, when there is a scar-city of clover hay. If one is feeding cornstalks or wild hay, the farm grains will not supply enough protein to meet the animals' needs for best work to This is especially true of dairy cows and young stock. When this form of roughage must be fed, some such feed as bran, middlings, or oil-meal must form a reasonable proportion of the grain ration, in order that the pro-tein supply may be maintained.

Just as one enjoys eating an apple occasionally—especially during the winter, when less fruit and vegetables winter, when less fruit and vegetables are used than during the summer-just so the live stock in the winter, when their rations consist largely of dry feed, need and appreciate some form of succulent food. There is very little added expense in supplying animals with a reasonable amount of succulent food, either in the form of roots or silage. For a herd of 12 or more cows, this succulent food is most more cows, this succulent food is most cheaply supplied by the use of silage. but for the smaller herd, or for a man without a silo, roots afford an excellent substitute for silage. By care in preparing the soil and crowing the crop, from 15 to 25 tons of roots, like mangels, rutabagas, or stock carrots can be grown per acre-

stock carrots can be grown per acre. They can be stored under the feeding alley, or in a pit outside of the barn, at very little expense. Twenty tons of roots will supply 10 cows 20 pounds a day each for 200 days, and can be grown and harvested at a cost of less than \$40. The nutrients contained in

December 28, 1011

********************** CITY MILK SUPPLY DEPARTMENT

Anent Homogenized Milk

Aftent fromogenized milk Editor. Farm and Dairy, --I notice by two recent issues of Farm and Dairy some remarks, and doubts, in regard to the new process of homo-genizing milk. Homogenizing ap-pears to Le making its 'debuit' to the farmers of Ontario. We have had a factory in our little county the last 18 months and 1 facl quite ast in saying it has passed the experi-

in asying it has passed the experi-mental stage. Like all other new industries that have started for the henefit of man-kind, we found lots of men to proph-esy its downfall; indeed some take a special interest in spending all their idle moments in convincing their less dubious neighbors that it will not

A Grand Good Cow and a Champion

Jemima Wayne Johanna, the cow here always to the second provided the second se

Based on the average farm price of feeds for the last 10 years, oats are worth on the farm \$19.37 per ton, and have a feeding value of \$21.10; barley have a feeding value of \$21.10; barley is worth \$17,50 per ton, and has a feeding value of \$21.98; corn is worth \$13.63 per ton, and has a feeding value of \$22.66. In other words, at the average farm price, a dollar's worth of feed in oats costs 92 cts.; in barley, 80 cts.; and in corn, 65 cts. The feeding value is figured on the The feeding value is figured on the basis of bran at \$20 per ton. On the same basis, a dollar's worth of food nutrients could be supplied in clover hay for 40 cts.; in fodder corn 57 cts.; and in timothy hay for 60 cts.; in ensilage for 78 cts.

In view of the above facts, it is plain that a combination of corn and clover will make a most economical feed

I received my pure bred Tamworth w for securing six new subscribers NOR sow for securing six new subscribers to Farm and Dairv, and think she is a real beauty. Please accept my thanks for same.—Mrs. Robt. Twiss, Halton Co., Ont.

pay for the cost of production, beside the additional advantage of their sup-plying the succulence needed by the animal. But the Hygienic Fresh Milk Co. is increasing its output, raising its price to the farmers, import-ing feed and covs for the farmers and

ing feed and covs for the farmers and helping out in many other ways in the production of good, clean milk. I am not writing this as one inter-ested in the company. I am not one of its patrons, as I had a good mar-ket for my milk before they came.

ABOUT THE PLANT ITSELF The plant is situated in a four-storey brick building with a drive-way right around the building. The way right around the building. The machinery is the very finest and latest design, mostly all of it being imported from France, where the process had its origin. I am sorry I am unable to give you an account of the different parts of machinery that constitute the plant.

constitute the plant. We are proud of this plant, the second, I believe, in Canada, and I hope the farmers. in justice to them-selves, will do all in their power to boom it along by keeping good cows, giving the butcher the poor ones, weighing and testing the milk, feed-ing them well and providing comfort-able stables and kind attendance and hence supplying more milk.—F.A.M., Antigonish, N.S.

-• E Ca

> tilis that on a follo Rep

the

T

T size Plot ash of p W the no corn ears ther eral

In

state the can hest. a ci amo the amo It. out amo blo . that taric these has man migh on t resul La ers the e land foun wore izer were got R. I

Te We

year fall. next ting to w manu Norfe Th thist pere ion three Crop deep clear the t

ada sprin clean broa



