

A VERMONT AYRSHIRE HERD.

This herd was established by the purchase of a bull and six heifers and an occasional purchase afterward of a noted cow or well bred heifer with a view of improving the herd. The bulls used have been the best that could be found, from cows of noted dairy quality and long tests. The best heifer calves from the best cows have been annually kept to take the place of the old cows or such as could not reach the herd standard. The milk from each cow is weighed at each milking.

In summer the cows are driven about one and one-quarter miles to pasture, with a small night pasture near the barn. They are milked in the afternoon.



FIVE HUNDRED AYRSHIRE.
Record, 10,000 pounds milk, 250 pounds butter fat, in one year.

and are fed from one-half to two pounds of spring wheat bran at each milking. During the fall they have the run of the meadows. In winter they are fed all the low meadow hay they will eat clean and from one pound to four pounds of bran, the fresh cows having two pounds of mixed feed in addition. This mixture is ground barley, cottonseed meal, linseed oil meal, gluten meal, equal parts by weight. The grain is fed once a day on about one-third bushel ensilage. The cows are turned out to drink at a tub of running water twice each day, and on pleasant days they remain out an hour or two in the middle of the day.

In breeding and selecting cows for this herd careful attention has been paid to the dairy ability of each cow, and unless a cow in her prime could give 6,000 pounds of milk or 300 pounds of butter she was disposed of, regardless of other good qualities, and a cow's standing in the stable was not secure unless she could give in her prime, under favorable conditions, 7,000 pounds of milk or 350 pounds of butter in a year. The herd is made as uniform in size, color and style as possible, that they may present a fine appearance either when standing in the stable or moving along the road to pasture. The following is the general makeup required:

Size.—About 1,000 pounds at maturity, this size has been found to give the best results in this locality and being of sufficient size to please buyers either for breeding or to sell in Brighton as milk cows.

Color.—Dark red with clear white patches, about one-fourth to one-third white being preferred. This gives a wonderfully attractive and lively look to a herd of cows grouped or moving. Then, too, I have thought cows of this color were tougher and gave yellower milk and butter.

Style.—Small head and horns, slim neck, straight back, sharp shoulders, wide on the loins; large, shapely hind quarters; long, slim tail; wider extending well forward and back, well up under belly; taints long of equal length, well spread; large milk veins.

Disposition.—Quiet and pleasant.

Prominent Canadian Breeder.
Country Gentleman gives the portrait of the president of one of the most important cattle breeders' societies on this continent, R. R. Ness, and says: "He has the largest Ayrshire herd in the Dominion, has won more prizes than any other Canadian breeder and has imported nearly 200 head during the past four years. He is also a good farmer, as he lately won the gold medal for having the best worked farm in twenty-two counties in Quebec."



R. R. NESS.
[President of Canadian Ayrshire Breeders' Society.]

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The exchange quoted also notes that the regulations for the Ayrshire home dairy test for 1913 are printed and may be had on application to the secretary, Charles M. Winslow, Brandon, Vt.

Unappreciated Feeds.
According to Messrs. Marshall and Burns of Texas, Kaffir corn and milo maize are not properly appreciated in the feed trade.

Sale of Delinquent Stock.
In accordance with the law and by order of the board of directors of the Central Oregon Livestock & Agricultural Association, one hundred and forty-one (141) shares of delinquent stock of this association will be sold at public auction, at the office of Hotel Prineville, in the City of Prineville, on Friday May 15, 1908, at 11 o'clock a. m.

DUNCAN MACLEOD, Secretary

DAIRY FARM JOB.

Skilful Handling For the Bunch of Spring Calves.
By J. H. GRISDALE.

The calf should be removed from the cow the second or third day. It should then be taught to drink. This may be done about as follows: Take a quart of warm new milk in a ten quart pail. Give the calf two fingers to suck air between. Gradually lower its nose into the pail. When it finds milk instead of air entering between the fingers it is likely to relax the neck and start to take milk. Do not sink the nose so far into the milk as to cover the nostrils. If it will not drink at first, leave it for a few hours to work up an appetite. After a few days it may gradually be weaned from the fingers.

Whole milk should be fed for at least one week. During the next week the change from whole milk to skim milk should gradually be brought about. Substitute each day a regular increasing proportion of skim milk for the same amount of whole milk withdrawn.

Feeding Points.
The skim milk should be fed warm, from 90 to 100 degrees F., no more, no less. To replace the fat removed from the skim milk as well as to furnish additional protein it is well to add some flaxseed jelly to the ration. This jelly should be added in small quantities at first and slowly increased. Begin with a dessertspoonful in each portion, and gradually increase until about a cupful is being fed night and morning to the three-months-old calf.

In addition to the flax jelly a little dry bran and whole oats should be fed. Start with very small quantities. Some clean sweet clover hay will be a valuable addition to the ration at a very early age.

Why any may be used where skim milk is not to be had. Change from milk to whey as from whole milk to skim milk (see method outlined above). The flaxseed meal jelly, etc., should be used just as with skim milk.

Where skim milk or whey is used available calves may be raised on hay tea. Roll cut clover or green timothy in water until a strong decoction of tea is obtained. Wean the calf from milk to this tea precisely as described from whole milk to skim milk above. The same supplementary feeds may be used in somewhat larger quantities.

The skim milk should be fed sweet for some time at least. If it is likely, however, that it will sometimes be sour it is advisable to gradually change to sour milk and feed sour milk invariably. The same counsel applies to whey.

Calves should be kept in scrupulously clean pens. These should be dry and warm in winter and cool and dry in summer.

Conductive to Bone Diseases.
In a discussion of horse and mule feeding under local conditions in South Africa and of the importance of mineral matter in the ration H. Ingle concludes that oat hay or oat hay and mealies (Indian corn) "are not suitable as the exclusive diet of working horses and mules for two reasons—first, such a diet is not rich enough in nitrogenous matter in proportion to carbohydrates and fats to properly supply the requirements of the animals; second, the diet is defective in its capability of supplying materials for proper nourishment of the bones of the animals and thus is favorable to the production of bone diseases."

LIVE STOCK NEWS.

Messrs. Alway and Peters of the Nebraska station studied the "corn-stalk disease" of cattle during the season of 1907-7 in Custer county. They have recently reported that during that period eighty-one out of every thousand cattle turned into the stalk fields were lost through this disease when no feed was provided in addition to that to be found in the stalk fields. When other feed was given the loss decreased to sixty-one head in a thousand.

Great Cattle Show.
A splendid new fireproof coliseum at Fort Worth, Tex., is now the permanent location of the great cattle show of the southwest. This strictly modern cattle pavilion was lately inaugurated with an excellent show. Of Short-horns of the breeding class there were 143 entries, and Herefords numbered 143. Angus and Red Polls were well represented. There were twenty-five carloads of fat cattle. Leedale's Lad, champion steer of the show, is a Hereford, two years old.

Outstanding merit marked the hog exhibit, which comprised thirty-nine carloads. Poland-Chinas, Doroc-Jerseys and a few Berkshires made the main feature.

Five Chickens For \$7,500.
A Missouri breeder recently sold to a famous pianist's wife a pen of five White Orpington chickens for the tidy sum of \$7,500—\$1,500 per chicken. So far as we know, that is the record for a pen of fowls. We observe that the breeder who sold these chickens marks the picture of them "Value \$7,500." Perhaps it would be more nearly correct to say "Price \$7,500." It is very doubtful whether any five chickens on earth are actually worth \$7,500 from a business standpoint. But from the standpoint of a seeker after pleasure or recreation a chicken ought to be worth as much as a bulldog, and a dog sells for thousands of dollars sometimes.—National Stockman.

More Promising Markets.
A Chicago exchange notes that supplies of fat cattle are generally reported to be light in all sections of the country, and there is confident expectation of good markets until grass cattle come forward. Substantial improvement has been shown recently in prices of cattle, sheep and hogs.

Seed Oats for Sale.
A few hundred bushels of good Seed Oats for sale. Apply to Wardwell Cram, Prineville, Oregon. 4p

If you care to make a saving in your grocery purchases it will pay you to watch the specials advertised by J. E. Stewart & Co., for Saturday of each week.

Farm and Garden

GREEN PEAS.

The Pride of the Early Garden—Delicious, Nutritious.
By FRANK DEVON.

From the time that the approach of Easter brings in the "hothouse" lamb with its accompanying dish of southern green melting peas till midsummer's drying heat begins to be too much for even the sturdiest of pea vines we may have this most delicious and most nutritious vegetable in perfection. Florida indeed grows it to nature any time during the winter.

Peas, it is hardly necessary to say, are cool weather plants. Some of the varieties are among the first of seeds to be intrusted to the bosom of Mother Earth while she is yet apparently in a cold and unresponsive mood. Some cannot endure any frost, and others are so late to mature as late as August and September. But these late summer peas are often something of a



NOTT'S EXCELSIOR.

failure. They run the risk of mildew and rot, and in the end, though they may be exceptionally large and well flavored, they lack the delicate charm of the smaller earlier pea in its best season.

No garden is really a garden nowadays without plenty of peas. In Queen Elizabeth's time, peas not being common in those old English gardens, they had to be brought from Holland and were called "fit dainties for ladies, they came so far and cost so dear." Now, while the south grows our earliest peas, yet with a favorable spring the skillful gardener north of Washington can bring the improved quick maturing varieties to edible size in early June, and an occasional grower prides himself on having a first picking of green peas on Memorial day.

The smooth, round varieties of peas are the earlier and harder; the wrinkled the sweeter and better in quality. On account of their superior hardness the smooth sorts are the first planted. As soon as the ground can be worked these varieties may be put in, and the plants will endure a pretty good freeze when coming up and when well out of the ground.

For choicest peas the tall sorts used to be thought indispensable, but with the introduction of improved kinds we now have dwarf peas of quality to please the most fastidious taste.

The dwarf wrinkled sorts represent the highest quality in peas. They do not, however, germinate as well as the smooth peas and cannot so well resist frost. But among the wrinkled peas some are more vigorous than others. Nott's Excelsior is making a splendid record as a dwarf wrinkled sort that may be planted almost as early as the smooth peas and will mature so quickly as to make a crop nearly as soon as the earlier planted kinds. It is sometimes called the best early dwarf pea. Seven to nine large, very sweet peas are closely packed together, completely filling the pod. It is preferred by some to the well known American Wonder and Premium Gem, the good qualities of which it is said to combine.

The New Surprise pea (wrinkled) has two distinctive claims—that it is especially quick growing and, though it must be planted later, will make a crop almost as soon as the smooth varieties and that the peas remain tender and sweet a long time. Surprise is especially nice for the home garden.

Garden of Prosperity was a veritable sensation at its introduction and has grown steadily in favor. It gives an early crop of large "marrow" peas.

Of second early varieties, McLean's Advancer has long been one of the very best. Market gardeners like its productiveness, customers like its quality, and canners use it largely.

Telephone and Stratagem, the famous "big fellows," hold their own against all newcomers for main crop and late seedling.

Alderman, a new second early, claims "all the earmarks" of Telephone, with larger pods and peas of better quality.

Tested and good varieties of peas are legion, but if you want to try a newer sort give a chance to Thomas Laxton, a pea of unsurpassed flavor.

The Fertilizer Business.
The total fertilizer production of the United States is placed at 4,000,000 tons annually, valued at over \$60,000,000. It is estimated that Nashville, Tenn., has \$3,000,000 invested in the fertilizer business.

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World Record Captured By "Reo" Touring Car

We have just received a telegram from L. T. Shettler, of Los Angeles:
F. A. BENNETT, Agent, Los Angeles, Cal., April 17, 1908.
Portland, Oregon.
Reo captured world record non-stop engine run, 4992 miles made in twelve days, two hours, thirty-five minutes; averaged seventeen miles to gallon of gasoline, and over seventeen miles per hour; fifteen gallons of water used in engine cooler.
LEON T. SHETTLER.

The above is self-explanatory, except that it will be necessary for you to stop and think what a wonderful performance this is, especially with a two-cylinder car. This engine ran continuously for twelve days, two hours and thirty-five minutes without coming to a stop and the average mileage of this car was over four hundred miles per day. This distance of 4992 miles is as far as from New York City to San Francisco and from San Francisco back to the Mississippi River, and is as far as the average family car would be run in two seasons. This is simply another proof of the wonderful reliability of the Reo car. This broke the previous record by eighty-six miles, the previous record being held by the Premier car, which we are also proud to represent, the best previous record having been 1300 miles less. Adding this to the fact that the Reo and the Premier were the only two cars costing under \$3500 contesting for the Glidden trophy in the Glidden tour of 1907, which passed through seven states at a distance of almost 1600 miles, over mountains and all kinds of muddy roads, with a perfect score; and that immediately after finishing this strenuous trip the Reo made a non-stop run from New York City to the Jamestown exposition, a distance of 500 miles, in twenty-three hours and twenty-four minutes. We certainly believe that this is positive proof that the Reo and Premier cars are the very best in their class for strength and reliability.

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Blaisdon Standard 8623
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Blaisdon Standard is four years old and weighs 1880 pounds. He was imported by us from the estate of the famous Peter Stubbs of Glos, England, and was a blue ribbon winner in the best horse shows in England. There is no better Shire blood in the world than that of the Blaisdon pedigree.

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Report of the condition of
The First National Bank
Of Prineville, Oregon
At the close of business February 14, 1908

RESOURCES	LIABILITIES
Loans and Discounts.....\$220,444 86	Capital Stock.....\$ 60,000 00
United States Bonds.....12,500 00	Surplus and undivided profits 37,200 00
Bank premises.....12,206 12	circulation.....15,000 00
Due from banks sub to ck 94,184 90	Individual Deposits.....253,650 00
Cash on hand.....90,270 80	Dividends paid..... 3,170 00
Redemption fund..... 625 00	
	\$76,730 88
	\$76,730 88

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