

## Livestock and Dairy

Knowing the Market Demands and Raising Stock to Meet It.

**S**UCCESSFUL livestock growers as well as dealers in livestock and meats, must know the market demands and then grow animals that will meet them. This is the cardinal principle of the industry as announced by Mr. Forestel, expert buyer for the Union Meat Company, in his livestock demonstration before the Oregon Agricultural College short course students. Farmers that raise livestock for beef, and pork, often aim at the production of animals as big and as fat as they can be made. When those farmers take the stock to the markets they are disappointed and angry because it brings less per pound than the smaller animals. Beef animals are sold with the highest margin of profit at from one to two years of age. A grower recently sold a yearling steer in the city market for \$95 at the same time that another grower sold a two year old for \$117. There is no profit at all in carrying beef animals after they are two or three years old.

It was further pointed out that types should be developed that carry high percentages in the choice parts of the carcass. Everybody wants porterhouse steak and prime ribs, and these cuts must bear the loss of the chuck, which is about 42 per cent of the dressed beef. And then people wonder why beef is so high. But growers will profit by knowing the facts, if they choose their beef types accordingly.



Kopyer, an Imported Percheron Stallion.

This stallion is owned by the Willow Creek Percheron Horse Company. His age is four years; weight, 1900 pounds; color, black. The scene is on W. B. Ewing's ranch, Cecil, Oregon.

### Advice on Feed For Dairy Cows

**C**OWS that go dry should be fed chiefly roughage. This period lasts from eight to ten weeks, and it pays to give them the right feed and the proper care. Do not neglect the dry cow.

With the roughage should be given daily about two pounds of bran or oats, or a mixture of two parts each of bran and oats and one part of linseed meal or corn oil meal. This makes a very good feed for a cow near calving, and is highly recommended by Dr. Haecker of the Minnesota university farm.

Roots, cabbage, pumpkins or squashes are also very good. Silage is always excellent. Highly carbonaceous roughage, such as straw and cornstalks, should not be fed at this time.

Caked udder or garget is often caused by over feeding of carbonaceous roughage, cold water, cold draughts or lying at night on damp or frozen ground.

#### Horses With Brittle Feet.

Many horses have very brittle feet, the hoof of which cracks and splits when being shod. A very useful hoof-dressing for these cases is composed of neat-foot oil, to which a small quantity of paraffin and lamp-black has been added. Linseed and the various other drying vegetable oils are unsuitable for the horse's foot. Stockholm tar answers well, and is very suitable for dressing the frog and sole of the foot, as it is antiseptic and curative in mild cases of thrush.

The annual capacity of the forest nurseries of the government is about 25 million young trees.

### Spring or Fall Calf---Which?

Discussion of Most Profitable Time of Year for Cattle Owner to Have His Calves Come.

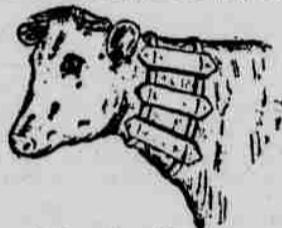
**T**HE question of which is the most profitable period of the year for the cattle owner to have his calves come, spring or fall, will never be entirely settled as long as there are new recruits in the cattle breeding industry. The spring season is by nature the established period, and when animals in this latitude are left to their own direction the young will most generally be born within the spring and summer months. This is the season selected by breeders to have the increase of their herds and flocks because of the natural advantages of fresh grass and the general invigorating influences of all nature in the revival of vegetation and its influence in animal growth and development at this period.

There are conditions of business developing from the use of the animal, especially the cow in her milk production, that might suggest a change from spring to fall for her freshening. The better prices for butter and milk that a few years ago were quite pronounced during the winter season influenced many cow owners to have calves drop-

ped during the fall months. This class of commercial trade developing from the cow may make it more profitable to change the period of freshening from spring to fall, and thus argue for the fall calf. It must be understood, however, that the calf will cost a little more feed and trouble the first six months of its life than if it had started in the spring.

Again, this is a milk cow proposition, not one of raising calves for beef or for stock purposes. Such a proposition on the range would be ruinous to the cattle industry, as the calves and cows would both encounter weather difficulties that would be damaging to the owner. Hand-fed calves, well provided with shelter and the necessary feed, can be made to yield a good profit by being born in the fall. The spring calf and the fall calf are two separate propositions, and their expediency or fitness for that position they are expected to fill will depend upon the judgment of the cow owner in his rightly planning his work in accordance with nature's demands in calf development.

prevent the animal turning her head to one side; but not so long that they chafe her throat or shoulder when her



head is not turned, while they must be so fixed that she is not prevented from grazing or drinking.

#### Watch Straw Fed Horses.

Horses' mouths should be examined regularly once a week when feeding on wheat straw. The beards from the grain ball up in the horse's mouth and penetrate the gums, sometimes causing the animal to have a very sore mouth, and it refuses to eat. The hard clots are easily removed. A change of feed occasionally for a day helps to keep the horses' mouths free from cankers.

### Keep Stables Clean

**L**IGHT, air and dryness of bedding are the requirements for a sanitary horse stable. In most cases the stable is at fault. It will be ankle deep in wet manure and soggy trash. The man who permits such a condition to exist will use the currycomb and brush only when he feels like it.

Muddy roads, filthy stables floors and lack of proper care of the horses' feet are nearly certain to result in an attack of "scratches" some time during the winter.

Scratches is an inflammation resulting from dirt, filth and cold, aggravated by driving or working in the mud. It is hard to cure. Prevention is easy compared with curing the cracks and raw sores that accompany the irritation.

Briefly stated, this trouble may be prevented by keeping the stall clean and removing the mud from the horse's feet. If there are no holes to collect urine and liquor filth in the stable floor, if manure is promptly removed and plenty of dry bedding is provided, there will be no appearance of scratches.

#### COW COLLAR.

**O**NE of the greatest nuisances on a dairy farm is the cow which has contracted the habit of sucking herself. The contrivance illustrated herein is very simple, and easily formed and applied, consisting of a collar or necklace of pieces of wood, the ends of which are bluntly jointed. The collar should be made to fit the cow's neck, two leather straps being required, and to these six or eight pieces of wood must be secured by wire or strong cord, two holes being bored in each end of the lengths of wood for this purpose. The wood should be hard and strong, such as hardwood, cut long enough to

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