

# POINTS OF FEEDING.

Grade Jerseys that have been milked only three to four months should be carried forward to pasture very liberally so as to prevent abnormal shrinkage. To this end Hoard's Dairyman recommends a ration substantially as follows:

Formula for ration.	Dry matter.	Digestive nutrients.		
		Protein.	Carbo-hydrates.	Ether extract.
20 lb. silage.....	7.32	39	4.29	21
10 lb. hay.....	8.23	46	3.74	16
5 lb. bran.....	4.41	62	1.83	15
2 lb. oil meal.....	1.82	39	6.65	14
Total.....	22.58	186	16.51	66

If the cows will eat more of the silage or hay, let them have it up to the limit of their respective appetites, but not more than they will eat without waste.

We do not consider that there is any particular danger in feeding cotton seed meal in limited quantities, but there is a very universal opinion that it is better not to feed this meal during the later months of gestation lest it might have a tendency to produce abortion. We are not as much afraid of this as a good many are, because it has been demonstrated in innumerable instances that cows fed cotton seed meal up to the time of freshening have had no trouble. However, in deference to this almost universal sentiment we hesitate to advise the use of cotton seed meal after five or six months of gestation. We have therefore specified oil meal in the above formula partly for this reason and partly for the further reason that this feed seems to have a dietetic value that the chemist cannot reach in his analysis or the veterinarian fully explain. The fact remains, however, that in some way and somehow it serves a very excellent purpose.

### The Cost of Ensilage.

Making a careful estimate and taking into consideration every expense, as use of horses, board of men, and twine used, the total expense of putting up a ton of silage this year has not cost us on an average over 75 cents. If we estimate the use of our tub silo, which has stood five years and is still in a state of perfect preservation, at \$25 per year, we are getting silage from standing corn to silo at a cost of less than \$1 per ton. The cost of growing corn for silo does not exceed 50 cents per ton; hence silage all ready for the stock need not cost to exceed \$1.50 per ton. Perhaps the beginner could not grow and put up silage at this low figure; however, we believe that Yankee ingenuity will sooner or later bring the cost of putting up silage to even a lower figure than this.—A. W. Trow in Farmer.

### How Often Shall We Feed?

Cows appear to give better results when fed twice a day than when fed more frequently, says Midland Farmer. When fed as frequently as three or four times a day they are up on their feet straining and worrying for their feed some time before it gets to them. Investigations have recently taught us that an animal is using every energy when standing that in lying might go to some other use. Ruminants have large stomachs and when the animal lies down, contented and satisfied, the better the returns will be for the owner. It is well understood it will cost less and be more convenient to feed the ration in two feeds than oftener, and it should also be understood that much, very much, depends on what is contained in the two feeds given. It does not follow that this means the saving of one feed; far from it.

### Grain and Pasture.

There is a difference of opinion regarding the economy of feeding grain while cows are on pasture. There is no doubt that a cow will produce more milk if fed grain while on pasture, and if a large yield is of more importance than economy of production grain should surely be fed. Where a small amount of grain is fed corn is well adapted, as it will not unbalance the ration; if large amounts of grain are fed, other grains, such as bran, gluten meal, oats or cotton seed meal, should form part of the ration. Experiments at Cornell covering four years made with cows on pasture which supplied an abundance of nutritious grain showed that while the grain fed increased the milk yield it was not economical to produce it in that way.

### Corn as a Supplement.

While pasturage is good and abundant the cow is about as well provided for as she can be. Unfortunately the season of abundant pasturage is short and this shortage is often the critical time of the year for the dairy cow. She must be carried over it with her milk flow undiminished or she will not do her best, as no amount of food will bring back the yield of milk once lost. The cheapest and most efficient feed with which to supplement pastures during this period is probably corn, either green or in the form of ensilage.—Dairy and Creamery.

### Seeds in Bran.

The next time you purchase bran examine it carefully to see whether it

contains whole weed seeds. There was sent to Wisconsin last year a car of bran that contained 52,500 seeds to the pound, says an exchange. Think of putting the measure from ten tons of that bran on a field!

### Cleaning Odders.

An odd bran sack is a good thing to clean off the odder of the cows with before milking. Don't depend upon your own bare hand to do it. The man who does that may be sure that his milk will take the odors "from the barn" every time, and that odor will pass right on down into the butter tub.

### FORAGE CROPS FOR COWS.

It Will Not Do to Depend Wholly Upon Natural Pasturage.

In determining what crops should be grown for forage for the cows in the dairy consideration should be given the matter of flavor. This precludes the use of rape on account of the strong, cabbage-like odor which is detected in the milk unless the cows are very carefully fed, which is not an economical way to feed green stuff, says Dairy and Creamery.

Sweet corn, sorghum and millet are three green crops that may be grown with perfect success. The sweet corn is our favorite because it can be used over quite an extended period, remaining in good condition from the time the ears are quite immature until fully ripe, and even after that it makes a palatable and nutritious forage for cows or other stock.

Sorghum is a good green feed and may be cut, as it will renew itself. The objection to it as a second growth crop is that at times it seems to develop poisonous qualities, and this characteristic is not yet well enough understood to furnish us with certain means of prevention of the trouble.

The farmer who depends wholly on natural pasturage during the summer is certain to lose money, even in favorable years, and in dry years his receipts will fall off to a disastrous extent.

It is a good plan to sow small patches of different kinds of forage crops at different times so as to have a succession and a good supply on hand in any emergency that may arise.

There is rarely good pasturage for a longer period than six weeks in the early spring, even in the most favorable seasons, and a supply of supplementary green feed will come handy on any farm where cows are kept about nine out of ten years.

No farmer thinks it too much trouble to prepare an ample supply of hay and grain for winter, and very often the greatest necessity for feeding arises in the middle of summer. If at such times there is a supply of green feed available, money will be saved and the regular receipts from the herd will not decrease.

If the milk flow is allowed to decrease in summer, it cannot be restored at any later time, so it is only the part of wisdom to be ready to supply any deficiency in this respect.

### Dairy Jottings.

Do not allow silage and other food about the stable at milking time. Many more odors get into the milk after it has been drawn from the cow than comes with the cow.

Remove the milk from the stable as soon as possible after milking.

A milk pail covered with a layer of absorbent cotton between two layers of cheesecloth is a good protection to the milk from outside surroundings.

Dr. Louis Albert Banks' new book, "On the Trail of Moses," is announced as a compilation of "thirty-one fresh and vigorous revival sermons, supplying a wealth of inspirational thought and a rich fund of suggestive and illustrative material for preachers and Christian workers." From the title one might have inferred that it was a detective story.

Thus far it has cost Great Britain the enormous sum of \$1,059,535,000 to conquer the Boers, and the British taxpayer now fully appreciates what Oom Paul meant when he said victory for Great Britain would be won at a price that would stagger humanity.

A Jersey City woman refused the other day to permit a magistrate to proceed with her marriage ceremony until her prospective spouse had made a will bequeathing all his real estate to her. How beautiful is love's young dream!

Mrs. Burdick of Buffalo, having collected her insurance money, is quite willing to consider the incident closed. The public was willing for it to be ended long ago.

Agents, the kissing of babies by political candidates, have the infants no rights under the constitution which political aspirants are bound to respect?

Cotton is certainly king, judged by the way Wall street is kowtowing to his majesty.

## The Kind of Frames

to be used is very much a matter of taste. It is important, though, that the frames set properly on the nose, and at the right distance from the eyes. That the lenses be perfectly centered, and how are you to know when some one is guessing.

WE NEVER GUESS Glasses Right, Good Sight,

R. F. WINSLOW Jeweler and Optician

## MRS. H. EASTON

is prepared to wait upon old and new customers and friends with a full and complete stock of

### GROCERIES

All fresh and of the very best quality. Teas and coffees are specialties. Your patronage solicited.

205 Jackson St., Roseburg

BEST MEAL IN THE CITY FOR 25 CENTS.

## THE NEW RESTAURANT

Cor. Washington and Main Streets Mrs. Belle Collins

## A GREAT COMPANY

### The New-York Life—

The public is hereby cautioned against doing business with the above concern. It has a faculty of dead-beating its just bills and any company doing so will beat its patrons if it gets a chance.

This company is represented by W. J. Moon, Agent, Roseburg Ore

## Title Guarantee & Loan Co.

ROSEBURG, OREGON.

I. D. HAMILTON, President D. C. HAMILTON, Secy. and Treas.

Office in the Court House. Have the only complete set of abstract books in Douglas County Abstracts and Certificates of Title furnished to Douglas county land and mining claims. Have also a complete set of Tractings of all township plats in the Roseburg, Oregon, U. S. Land District. Will make blue print copies of any town ship.

## N. A. FOSTER & CO., GOVERNMENT LANDS

Of every description. Farms and Mineral Lands, Oregon, Washington and Minnesota. (23) OAKLAND, OREGON

Abstract of Title to Deeded Land.

Papers prepared for filing on Government Land.

Blue Prints of Township Maps showing all vacant Lands.

## FRANK E. ALLEY Architect, Abstracter.

Plans and Estimates for all Buildings.

Special designs for Office Fixtures

Office in new Bank Building, Phone 415 ROSEBURG, OREGON

## THE PACIFIC HOMESTEAD

The Greatest Farm Paper of the Northwest. Published weekly at Salem, Oregon. Edited by the Farmers of the Northwest. Twenty Pages. Illustrated.

A WESTERN PAPER

FOR WESTERN PEOPLE

50 Papers for \$1.00. Less than acts each Publication began March 1, 1900. Now has 9,300 subscribers. Phenomenal growth is due to its being the best farm paper published.

YOU SHOULD READ IT HOMESTEAD AND PLAINDEALER \$2.75 A YEAR.

# REDUCED

## All Colored Summer Goods Reduced to COST

We must make room for New Goods WOLLENBERG BROS., Phone 801.



Of your life if you buy a buggy, hack or road wagon before you inspect our stock of John Deere vehicles.

## We Are After You

Haven't missed a sale since car arrived. Finest line of spring goods ever brought to the county.

## CHURCHILL & WOOLLEY

## A. C. MARSTERS & CO. DRUGGISTS.

We Want Your Patronage

and as an inducement we offer U. S. P. Standard Drugs, Fresh Patent Medicines, High Grade Perfumes, Soaps, Toilet Articles, and Specialties.

## GO TO THE ROSELEAF FOR CIGARS, TOBACCO AND SMOKERS' SUPPLIES.

Jackson Street, Roseburg, Oregon

## R. W. FENN, CIVIL ENGINEER.

(Lately with the government geographical and geological survey of Brazil, South America.)

## United States Deputy Mineral Surveyor.

Office over Postoffice. ROSEBURG, OREGON. Correspondence solicited

Buy Your Watches and Clocks at **Salzman's** AND BE ON TIME. Buy Your Jewelry and Silverware at Salzman's AND CUT A SHINE.