



There seems to be some confusion in the meaning of terms as applied to the conformation of dairy cattle, says Hoard's Dairyman. For instance, take the term "flank." The Guernsey scale of points in describing the desirable dairy temperament in both cows and bulls calls for "a thin, arching flank." The word flank here means that part of the body connecting the belly with the hind legs, as shown in the accompanying diagram.

In all beef animals it is counted desirable to have this bottom line of the body to run as straight as possible. A thin arch to the flank is not counted a good beef sign. A writer in the



"SEE THAT CURVE"

Guernsey Herd Register for October, 1902, describing the bull Le Grande Duke at the Ohio state fair, says, "A bit more arch of the rib forward and an added depth of flank would serve to his advantage." It is evident that there is needed a better agreement of understanding as to the meaning of terms when applied to the conformation of dairy cattle. "An added depth of flank" would be in line with the beef conformation. Unconsciously almost many of our dairy people and judges carry in their minds the old Shorthorn definition of outline.

The Government Test.

The official circular of the department of agriculture of the United States government pertaining to its experiments with the butter in last year's national educational tests is at hand, and it is interesting reading.

Among the most interesting points brought out are these:

Our creamery butter, according to these tests, is not heavily laden with moisture, though this has been alleged. Indeed the average of the water content was but 11.73. The range was from 7.2 per cent to 17.0. The limit on "renovated" butter is 16 per cent.

Commercial judges are not always able to determine the amount of water butter may contain. Packages marked by the judge "Full of Water" were found to contain but 11 per cent and a little more. Two marked "Worked Too Dry" averaged 12.27 per cent water. These results simply go to prove the impossibility of forming an accurate opinion of the water content of butter alone by the keen observation of a practiced eye and to further show, as Professor McKay contends, the value of study of water content of butter and the proper manipulation of it.

United States butter contains less moisture than Canadian, Danish or Swedish, according to the results of similar experiments conducted in these countries.

Organized Milk Producers.

The victory of the milk producers' union shows the growing strength of organization among farmers. Not so many years ago a similar conference would have ended mostly in talk, with the situation favoring the contractors. The former weakness of the union lay in the knowledge that producers would not hold together properly in case of resort to extreme measures. But during the last two or three years the backbone of the union directorate has stiffened wonderfully as a result of the growing strength on the support received. On the other hand, the contractors have learned that the real power is in the hands of those who supply the milk, and they no longer expect to have things all their own way. This feeling of wholesome respect on both sides has led to a compromise conceding something to the demands of each party to the controversy, yet, as compared with similar treaties in the past, it is considered a positive triumph for the producers—American Cultivator.

How Soon Can We Use Milk?

When a cow has had a natural delivery her milk may be safely used at the ninth milking. To make sure that there is no suspicion of fever, those that sell only certified milk do not offer it to their customers until the full week has elapsed from the time of calving. When the cow is afflicted with milk fever or the placenta has been retained, a longer time should be given before the milk is used. However, the cases

cited do not occur more than once in 100 times, and the first rule is safe to follow.

To Push Dairy Industry.

The United States department of agriculture has inaugurated an investigation of the dairy interests in western Kansas, eastern Colorado and part of Nebraska for the purpose of pushing forward that industry. The department believes that there are immense possibilities in store for the dairy business in the parts named. Professor E. H. Webster of Manhattan will take charge of the work during the coming summer.

Professor Simon Newcomb's article in McClure's Monthly upon "The End of the World," which is to be brought about by combustion caused by the falling of a dark star into the sun, multiplying many times the latter's heat radiation, is well worked up, but the illustrator, remarks the Boston Evening Transcript, has not used his imagination to as good purpose. The final catastrophe is to take place some thousands of years hence, but the men are wearing the 1903 styles of plug hat, the women the familiar short coat with flare collar, and the fire engines are of the model of today with three horse hitch attachments. This must be especially discouraging to the automobile movement.

The young republic of Cuba has traveled alone along the highway of the nations for a year and hasn't wobbled the least bit during the whole time President Palma has been teaching the infant to walk. The youngster has a surplus of \$2,899,000 in his little bank, and his first successful year would seem to indicate there was something wrong about the oft repeated prediction that the "Cubans are incapable of self government."

Though much has been said of late about a two cent postage rate between the United States and Great Britain, it is hardly probable that the proposition will be adopted at present. Certainly nothing will be done until after the meeting of the universal postal congress in Rome next year.

In view of the latest anti-Semitic outrage in Bessarabia, the European powers might give the unspeakable Turk a brief intermission and read the riot act to the Russian bear.

The rapacity of the packers seems likely to make the lump of pork in the poor man's greens look like the oyster in the boarding house soup.

If General O. O. Howard insists upon stopping Kentucky feuds he will be wise if he does his insisting at long range.

Our Nicholas' "religious toleration" receipt appears to bear bloody fruit in Bessarabia.

County Commissioner's Court.

At a special meeting of the County Court held Monday afternoon by County Judge Thompson and Commissioner Nichols, an agreement was signed with F. J. Blakely representing the Oregon Boom and Timber Company, for the improvement of the North Umpqua River from the present western boundary of the Cascade forest reserve to Winchester.

After being signed by both parties the bond was placed in escrow awaiting the filing and approval of the required bond, by the O. B. & T. Co.

At present it is impossible to obtain to provision of the contract, but there is to be a new saw-mill at Winchester with a capacity of 100,000 feet daily. The river is to be open to all who wish to float timber after paying the regular toll. Dams and booms will be constructed at Winchester for catching the timber on its arrival at that place.

Articles of Incorporation were yesterday filed with the County Clerk by the Improved Mineral Smelter Co., of North America. The incorporators are Maurice Blanchard, F. A. Kent and W. E. Clingenpeel. They propose to own, buy, sell, lease and deal in mineral smelting and smelter patents throughout North America. Their head office is at Roseburg. Their capital stock is \$10,000, divided into one hundred shares of \$100 each.

The King of Portugal and his cabinet, will be entertained by Admiral Cotton on the Brooklyn, at Lisbon, on Aug. 4.

Two timberland locator grafters have been sued in Portland for locating a man and his wife on the top of a bald mountain, miles away from the land they thought they had located on.

LADIES TAKE A LOOK

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The People's Store

I. ABRAHAM Proprietor.

One Door South of P. O.

W. H. Redfield and Frank Plotner were in Roseburg this week.

Rev. S. A. Douglas, left Monday night for Riddle, where he will remain for a few days hunting.

Mrs. J. O. Davidson, of Parker, has one of the most remarkable grain fields in the county. It is Fall-sown wheat, and is six feet high.

Congressman Hermann and Senator Fulton have secured an appropriation of \$10,000 to continue the work on the Salem postoffice.

Sumpter has a genuine sensation. The justice of the peace and another man are charged with highway robbery. They knocked down a gambler in a bank and went through his pockets. The night before they had won \$650 from him which he paid by check. They lost \$300 which they paid by check, and all the parties tried to beat each other at the bank with the above result. Two men are in jail unable to give bond.

The explosion of the powder magazine of the United States Cartridge company, of Lowell, Mass., yesterday killed 25 persons and injured 55 more. The shock was felt at Boston, 40 miles away. The damage to buildings was very great as every building within 200 yards was razed to the ground.

Twenty-two members of the Miners' Union at Idaho Springs, Colo., were arrested yesterday charged with conspiracy. The Sun and Moon mine was blown up and the plant destroyed by the use of dynamite. The watchman shot one of the culprits who was a member of the union.

A very knotty subject has just been decided in New Jersey by the labor unions. The barbers union objected to [an] employe of the undertakers shaving a corpse and the question has been finally decided that the barbers union should do the scraping and a strike has been averted.

The convicts who escaped from Folsom penitentiary, were rounded up in a gulch and on Tuesday night succeeded in escaping to the mountains. They had bound themselves together by an oath but at the last moment every man sought safety for himself. They will be shot down on sight as the men in pursuit will not take any chance in attempting to capture them. If taken alive they would be hung so it is only a question of a few days or weeks.

Sack Chum, a Chinaman, at Vancouver, B. C., has been hired to confess that he murdered a man and is willing to suffer the penalty for committing the crime. In China it is a common occurrence for a poor man to sell his life to save a rich man from being beheaded.

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