

they would with but little trouble realize fifty cents more for their beets, than those who contracted with the company at distances too great for transportation by horse and wagon. On the other hand, if money can be made in growing small areas in beets, it necessarily can when on a large scale, as the facility of working, by improved agricultural implements, is very much greater. The bonus of fifty cents per ton will encourage the growing of hundreds of acres. The West Farnham Company has promised us regular information regarding its workings, and we are convinced that, when published, this will be of interest to our readers.—*From The Sugar Beet, a Philadelphia journal.*

NEW PROCESS FOR PRESERVING MEAT.

—A demonstration of a new method of meat preservation was given lately at York Terrace, Regent's Park. Instead of steeping the dead meat in an antiseptic, the preservative chemical is introduced into the live animal, and by the action of the heart is sent through the blood vessels and capillaries into every part of the body. The sheep, which was first stunned by a smart blow on the head given with a wooden mallet, showed no signs of consciousness or sensibility throughout the operation. Mr. W. Hunting, a veterinary surgeon, laid bare the left jugular vein, and using an ordinary surgical trocar and canula drew off about a pint of blood. The preservative chemical, dissolved in warm water and kept at blood heat by a hot water jacket surrounding the tin can in which it was held, was then allowed to flow through an indiarubber tube placed to the orifice of the canula into the vein, about two pints being thus injected. As soon as the charge had run into the animal the canula was plugged and about two minutes were allowed for the injected fluid to pass through the whole vascular system. The sheep was then stuck by a butcher in the ordinary way. Another sheep was then similarly treated, the whole operation in each case occupying from four to five minutes from the time the animals were stunned until they were carried out dead. The antiseptic used is boracic acid, which, it is said, does not in the slightest degree affect the flavour or quality of the meat, while the results of experiments show that meat thus treated will in this country keep perfectly good without the use of ice or refrigerators, for five or six weeks in summer, and two or three months in cold weather.

The British Association for the Advancement of Science will meet this year at Southampton, commencing on 23rd August, under the presidency of C. W. Siemens, D.C.L., LL.D., F.R.S., F.C.S., M.I.C.E.

EFFECT OF FROZEN FOOD UPON ANIMALS.—The effect of frozen grass and other herbage is sometimes disastrous to the health of the animals fed upon it. I have been careless enough to suffer from it. Usually my cows spend the forenoon in the stalls ruminating and digesting the morning's feed, and are not turned out until noon, when they have the range of a pasture. But one day they were turned out earlier, and while the frost was thick upon the grass in places where it was shaded by a hill from the early morning sun. The cows fed upon this frozen grass, and on being brought in, in the afternoon, one was found with the udder very hard and hot and inflamed. From 7 quarts of milk at a meal she fell off at once to less than 2 quarts, and half the udder had no milk. After a whole week's care the udder is not well. Here is a week's product of a good cow lost by one little neglect and thoughtless departure from a regular system of management. But a curious effect occurred in churning the cream three or four days after this frozen grass was eaten. The whole churning of 25 lb. of butter was of an unusually light colour and defective in flavour; and, more than that, it required several days completely to recover the quality and appearance of the butter.—*New York Times.*

GREAT INTERNATIONAL FISHERIES EXHIBITION, LONDON, 1883.—The project is in a great measure the result of the National Fisheries Exhibition, held in April, 1881, at Norwich, under the patronage of H. R. H. the Prince of Wales, and under State recognition, with the powerful co-operation of the Worshipful Company of Fishmongers. Her Majesty the Queen has graciously consented to give her name as Patron, and H. R. H. the Prince of Wales to act as President. The Exhibition will be opened on 1st May, 1883.

The classification comprises every object adapted for exhibition, illustrative of Sea and Fresh Water Fisheries; the preparation, preservation and utilization of Fish; Fish Culture; the Natural History of Fish, and Literature connected with Fishing. Another department will relate to the Economic Condition of Fishermen. Prizes will be given, and conferences held for reading and discussion.

Advertisements.

Resolution of Provincial Board of Agriculture, 3rd March, 1882.

"No advertisements, except official notices from recognized Agricultural Societies, shall be inserted in the JOURNAL OF AGRICULTURE in future, unless PREPAID at rate of 50 cents each insertion, for advertisements not exceeding ten lines, and five cents for each additional line."

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SUBSCRIBER will sell three pure-bred pedigree bulls from stock imported by Board of Agriculture. One three-year-old Jersey; one yearling Jersey; and one yearling Durham. Terms to Agricultural Societies easy, and prices moderate. Inquire of George Lawson, Esq., Secretary of Board, Halifax, or to

ISRAEL LONGWORTH,
Lorndale Farm, Truro. pd
March 6th, 1882.

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