

GAZETTE.—Continued.

any sense is said to be unnecessary, as the butter fat collects on the surface and it is only necessary to wash it to free it from small particles of casein adhering to it.

FROZEN MILK.

The *Journal d'Agriculture* states that Casse's system of shipping milk in a frozen state has been adopted by the Danish Dairy Company which has an establishment, one hundred miles from Copenhagen, capable of handling 30,000 litres of milk daily. From one-fourth to one-third of the whole amount of milk is frozen artificially in cakes of about twelve kg. in weight and placed in large cans of about 500 litres' capacity. The following morning the cans are filled with fresh milk and are then closed air-tight and sent to Copenhagen. They can be kept in this way for several weeks, being opened for consumption at will. When it is desired to use the milk it is thawed by placing the contents of the cans in vessels surrounded by hot-water coils. This thaws the milk gradually and creates currents in it which will prevent any of the constituents separating out. A can which had been filled on June 17th was opened in Paris on June 25th. The milk tasted and had all the characteristics of pure, fresh milk. For some reason, however, the keeping quality of the butter made from the cream was unsatisfactory.

(To be continued.)

AN ODORLESS ONION

The latest product of scientific propagation is the odorless onion. Just how an onion can be odorless and still remain an onion is not explained. To most people the odor is all there is of an onion, and that is enough. The elimination of the characteristic feature of a vegetable of such long and strong standing in natural history ought to be reckoned among the proudest achievements of man. But an onion deprived of that delicious tang and the penetrating scent which goes with it can hardly be an onion. The palate which loves will not recognize it; calling a whitened, innocuous, insipid, plated bulb an onion will not make it one.

No true lover of onions will hail this new invasion of science. He eats his onion at dead of night in silence and solitude. He rejoices in it and sleeps upon it. The incense of his praise fills the room and soothes him to delicious sleep. He rises in the morning after his sacrifice to pass the day in purification, to see no one until the sun hath sunk. It is a luxury and a worship. Shall he yield all this delight for an odorless bulb? Let others do as they will, he will not. An onion without its odor would be ashamed of itself.

FEED VALUES.

Many stockmen are at some loss to make a close estimate as to the relative value of different feeds. The Massachusetts Experiment Station has concluded that when a ton of corn-meal is worth \$10, a ton of wheat bran is worth \$8.50, a ton of gluten meal \$15.20, a ton of wheat middlings \$11, a ton of oil-cake meal \$13.50, and a ton of cotton seed meal \$15.20. When corn is worth 25 cents a bushel, a ton of corn meal is worth about \$10,

and the feeder can afford to pay \$3.50 for a ton of oil-cake meal.

If oil-cake meal is quoted at a price above the figures given here, it is cheaper to feed corn and suffer a small loss from the wide ration than to try to balance it by supplying the proper amount of nitrogenous material to furnish the accepted nutritive ratio.

Just here comes the place where a little learning is dangerous. A feeder may understand that a certain combination of nutritive elements will produce the most pounds for the weight of feed consumed, and without thinking further proceeds to supply a balanced ration regardless of what it may cost.

With oil-cake quoted at \$21 a ton no man can afford to buy it to feed as long as corn is at the present price, because he can make a given increase of weight cheaper by feeding a wide or non-nitrogenous ration than he can by purchasing oil-cake to balance the ration.

Wheat middlings can now be bought at about \$11 a ton, and this is as cheap as corn at 25 cents, and in most places the feeder can make money by selling corn to buy middlings, for with these he can feed a perfectly balanced ration at less cost than he can feed corn alone.—*Farmers' Voice*.

IRISH CATTLE FOR THE OTTAWA FAIR.

Senator Drummond's Celebrated Herd to be Exhibited.

Among the many special attractions at the Canada Central Exhibition, none will be more interesting to the farmer than the exhibit of Irish cattle to be made by Hon. Senator G. A. Drummond. The cattle are in a class never exhibited here before and are reputed to be about the highest graded cattle in Canada. The bull, "Bantam," was bred by his Royal Highness the Prince of Wales, and is an interesting animal. The herd will be given a special building, which will be placarded in such a way as to attract attention. Senator Drummond will also show a number of imported Southdown sheep.

The celebrated "Sherman's Band," of Burlington, Vt., is coming to Ottawa for the exhibition, and it is expected that a big crowd of excursionists will accompany it. The exhibition directors are endeavoring to arrange with the Canada Atlantic and Central Vermont railways to run a special train. The band had a tempting offer to accompany an Oddfellows' excursion to Boston for four days, but preferred Ottawa.

The R. H. Buchanan Co., of Montreal, are going to exhibit hot air pumping engines this year. A special position will be assigned the firm to give every advantage for showing the capacity of the pumps.

Work on the new building is being pushed rapidly and it will be completed in ample time for the exhibition.

The number of entries to date far exceeds that of any previous year.

LONDON'S GREAT FAIR.

It is scarcely possible that there is any person in this locality but has heard that the Western Fair will celebrate its Silver Jubilee next month, 8th to 17th, and, as we at present enjoy exceptionally low railway rates on all lines, it puts it within the possibility of any of our readers to accept this opportunity to see one of the best Live Stock and Agricultural Fairs in Canada, or, in fact, America. To those who have attended this Fair in past years, suffice it to say that the management purpose making this especially grand on account of their Jubilee, and to the few who have not availed themselves of this privilege, that it will well repay the outlay and time.

The secretary informs us that the exhibits and special features will surpass former years in point of excellence, and the evening entertainments are the best ever offered by them.

The stage and ring performances will be supplemented with a realistic representation of the "Battle of Manila Bay," by Prof. H. and Fireworks Co. The Art Loan of celebrated pictures from private collections, to be

held in the Art Annex erected this year, will be a great feature.

A combination of all these events should be both pleasing, entertaining and instructive.

Programmes and prize lists will be sent free to every applicant.

BRANTFORD SOUTHERN FAIR.

FIVE DAYS' EXHIBITION—SEPT. 17TH, 19TH, 20TH, 21ST AND 22ND.

The management of the Brantford Southern Fair have arranged to give a five days' exhibition this year, commencing on Saturday, Sept. 17th, and ending on Thursday, Sept. 22nd. So pronounced a success was the "Southern Fair" last year that it at once took a jump into the race with the larger shows of the Dominion.

Four thousand dollars in prizes will be given. Immense new cattle and horse sheds are being built, and by the time the show is opened the buildings and grounds will be among the best in the Dominion. The prize list in the Live Stock Department is very large, and breeders will find this, together with the grand new sheds, a feature of the show deserving their careful consideration.

In the Ladies' Department (which is in charge of a Ladies' Committee) bigger things are looked for than last year, if it were possible. Many new features have been added.

In special features there is a host of new attractions—athletic sports, band concerts, military sports, fireworks, etc., etc.

Low rates have been secured on all railroads, and special trains will be run at the close of evening performance.

There will be a grand auction sale of live stock on the grounds on Farmers' Day. Large numbers of entries have already been made, both with and without reserve, thus ensuring success.

Publishers' Desk.

Some Good Stock.—Attention is called to the advertisement of Mr. H. J. Davis, of Woodstock, on the last page of the cover of this issue. Mr. Davis is offering some good stock at very reasonable prices and should have little difficulty in disposing of it.

Seed Wheat.—Attention is called to the advertisement of the Ontario Experimental Farm, Guelph. Those who desire to obtain the special varieties of seed wheat offered should write to Mr. Rennie at once and secure what they want before the supply is exhausted.

The Independent Cordage Co., Limited.—Please note the advertisement of this company in our advertising columns. The demand for twine is such that parties desiring to procure a stock of it for this season's use should not delay sending in their orders. We have much pleasure in recommending the company to the notice of our readers.

An Excellent Magazine.—*The Westminster* is one of the most interesting and attractive publications issued in Canada. The illustrated announcement number issued this week, in which the managers make an exceptionally liberal offer to subscribers, is one of the finest specimens of journalism we have seen for a long time. As it will be sent free to anyone applying for it, we have no doubt a large number of copies will be distributed. It is well worth having, and we should like every one of our readers to secure a copy before the supply is exhausted. You can get one by sending your name on a post card addressed to *The Westminster*, Toronto.

The Western Fair.—The official programme issued by the Western Fair Association this year is the best yet published. The work comprises 52 pages, with chromo cover, and inside printed on fine book paper. It contains useful information for visitors, and a number of illustrations showing the principal attractions, also advertisements of some of the leading business houses appear in its pages. An excellent map of Western Ontario, in color, is also given. The book is in keeping with this old and reliable up-to-date fair. In the number and quality of the exhibits and the attractions to be presented the Silver Jubilee Exhibition will far exceed the excellent exhibits of former years.

Later reports show that the damage done to the works of the Jenckes Machine Co., at Sherbrooke, Que., by fire on the night of the 13th inst. was very much exaggerated. The fire was confined to the machine shop building; and the other departments—foundry,

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boiler shops, etc.—were in operation as usual on the following Monday. A few days later a portion of the machine shop was started up, and the whole is expected to be in running order by the 23rd of August. The patterns, drawings and office records were preserved practically intact, and all orders for work are being accepted as usual. The principal item requiring replacement is the roof of the machine shop, this, however, is well under way. The whole of the work is being pushed with much energy, and the numerous orders in hand will suffer comparatively slight delay.

Stock Notes.

Mr. JOHN LAIMER, of Carrville, Ont., is offering pure-bred Berkshires and Barred Plymouth Rock fowls for sale in this issue. His foundation stock is selected from some of the best herds in Ontario, and the individuals offered are claimed to be excellent types of their breed.

A prominent stock breeder in Quebec lost ten promising calves recently through poisoning by lapping the paint off painted feeding boxes. He advises the use of white-washed boxes instead of painted ones, and cautions breeders against the silly and prevalent practice of painting the feeding boxes.

MESSRS. DRUMMOND BROS. of the Parkhill Stock Farm, Quebec, have made some noted sales recently of purebred Ayrshires, among them being a ten-day-old Ayrshire calf, pure white, to Mr. Hare of New Haven, P.E.I. This calf is an exceptionally good one. Its sire was Prince Henry and its dam, Yellow Bess, from the celebrated Johnston herd. The Hon. Senator Drummond has retired and this fine herd is now and has been under the management of Mr. Alex. Drummond for some time.

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