

as to leave the appearance of the pile of velvet, and whose office is to absorb the nutriment and pass it into the thoracic duct, the large vessel which is found passing along the spinal column and close to it, and which conveys the nutriment directly into the blood, so that the minute globules of fat in the food thus pass directly into the blood, by which they are distributed to the various parts of the body, and of course to the minute glands of which the milk is formed. And when this glandular substance is broken down to form the milk, these same particles of fat are let loose and escape into the milk and form the butter.

Thus, tracing the fat in the food in which it exists in the form of minute drops or globules in the cells which make up the tissue of plants or grains, we can follow it directly into the milk, without change; and thus are able to account for the effects on the milk of the various kinds of foods given.

This knowledge is of fundamental importance to the butter-maker, and the whole subject is worthy of the most careful study. It relates too, to the varying ability of the cows to extract the fats from the food, for cows vary very much in this respect, and some can healthfully dispose of twice or three times as much fat as others, and some, as in the case of the Jersey cow Princess the Second, may be able to actually convert seven pounds of fats in the foods into butter in one day. This is a physiological function and ability, and is thus to be inherited and conveyed by breeding, while it is excited and encouraged—educated, as it may be said, or led out, as the words signifies—by feeding and training. Thus, it may not be right to think or speak of such cows as phenomenal, any more than we should call the extraordinary young horses Axtell and Sunol phenomenal. They are not so at all. They are instances of the result of human power skillfully exerted over the domestic animals, and every one of the numerous examples of this successful exercise of man's dominion over creation should be an incentive to exertions in the same way by every intelligent dairyman in the improvement of his herd, and in his pursuit of success and profit in his business.—*American Agriculturist*.

Stock Notes.

John L. Bancroft, of Roundhill, Annapolis, N. S., has sold his short-horn heifer Gypsy, No. 339, to N. P. Whitman, of New Albany, N. S.

Andrew LeCain, also of Roundhill has sold his short-horn bull-calf, Duke of Albany, No. 420, to the New Albany Agricultural Society.

Conductor John Coffey of Moncton owns a ten month old colt sired by Dearborn and out of a mare by Gold-leaf, the property of William Hodge of same place.

Mr. J. D. Wilbur, of Shediac, reports that his Ayrshire cow Nora B. 191 N. B. H. B. dropped a heifer calf the 1st April last by Alexander 301, N. B. H. B.

The number of horses with records better than 2.30 is now 3,851. 794 of this number obtained their records the past season, either reducing their records or getting new ones better than 2.30.

It is to be hoped that the management of the St. John exhibition will offer prizes for "best stallion and four (or five) of his colts" in each section. For it is the sire that has the ability to get the best stock that is eminently valuable to the country.

There has been thirty-five horses to enter the 2.30 list in Canada the past season. They were either bred in the Dominion or obtained their records on Canadian tracks. The fastest was the stallion Gold Ring by Eden Gold dust, bred by D. Davis, of Alymer, Ont., who trotted in 2.18.

Mr. Herbert Hall, of Roseneath, Gagetown, N. B., has shipped his Clyde filly to Egerton Stock Farm, Stellarton, N. S., to be served by that noted Clydesdale sire "Jamie the Laird." We predict success for Mr. Hall in his enterprise in his enterprise in shipping his mare such a distance to meet a horse of the "Laird's" merit.

The proprietor of Egerton Stock Farm reports the birth of a calf from another of his imported Holstein cows. This time it is a bull calf sired by the grand old bull "Emutt," bred in Holland. This is a chance to get a good Holstein bull cheap if taken soon.

John McIntosh, of Stellarton, N. S., had two Clydesdale mares served by "Jamie the Laird" last season. The youngest mare presented him with a beautiful young stallion the latter part of April. This colt is a most promising one and gives evidence of being a good acquisition to the stock horses of Nova Scotia some day. We hope to see some enterprising young man secure him soon.

Mr. Amos Vernon, of Minudie, N. S., has been presented this spring by his brood mares with the following foals:—

April 1st, brown colt by Good Luck 6612, dam of unknown breeding property of Willard Dawson, of Minudie.

April 4, bay filly, by Sir Charles by Mambrino Charta, 2.30¼ he by Mambrino Chief 2.34¼, sire of five with records better than 2:30, dam, Topsy, thoroughbred, this filly is bred in the same lines as Maud C. 2.32.

April 18, dark brown colt, by Good Luck 6612, sire of Delight 2.29½, he by Hermando 2.37½, he by Almont 2.29¾, sire of thirty-five in the 30 list, dam Daisy, by Lauders Knox 2.40, sire of Col. Lang 2.31½, Harry Baker 2.40, Lord Nelson who sired Katie B. 2.30, and Dodge Knox 2.50, sire of Sir Garnet 2.34. This is a very large and fine colt resembling his sire.

April 21, chestnut filly, by Heck 5354, he by Melbourne King 2.37½, dam, Gypsy, by R. R. Morris sire of J. P. Morris 2.20¼, Senator 2.26½ and eight others with records better than 2.46, 2nd dam by Crown Prince 2.25.

Press Notice.

We are in receipt of a copy of the first issue of the *Daily Press* published at Amherst, N. S. This is another proof added to the list that this little town is determined to have a place in the front ranks. The proprietors of the new paper were the founders of the *Weekly Press* which they still continue to publish. They are energetic men and deserve success. The AGRICULTURIST wishes them well.