

means to obtain their purpose,—and we add that when so intent they could do so easily, and with great profit, even when prices obtained for really first class butter are at the lowest.

Our advice to all intelligent dairymen therefore is as follows: 1. Learn how butter cows should be cared for and fed 2. Select the right kind of animals 3 Do them full justice, using your brains to obtain the required result at the lowest possible cost 4. Keep strict, honest record, both as to quantity and cost of feed and as to quantity of butter made and price obtained. 5. Only publish such record as you can abundantly prove to be true, and we have no doubt that Dr. Hoskins and many honest editors of farm journals will be thankful for the information thus obtained by which much good must follow.

ED. A. BARNARD.

REMARKS BY AGRICULTURAL EDITOR.—We are obliged to our good friend, Mr. Barnard, for his excellent criticism. We did not intend to convey the idea that it is absolutely impossible for any farmer, or all the farmers, to bring up the average yield of their cows in time, and by care, to 250 pounds in a year. We should have better expressed our thought if we had used the word "do" instead of "can." But practically it amounts to about the same thing. While not impossible in the abstract sense, it is concretely impossible—men being what they are without the necessary ambition, knowledge, or practical skill requisite in the case. Even now, we frequently hear farmers doubting these 250-pound-average yields for whole herds of twenty cows or more, and it is not long since we heard an old "hard-head" assert his belief that no one ever got more than 100 pounds of butter from one cow in one year. But we hope for better things in the near future.

DR. HOSKINS in *Vermont Watchman*.

Montreal Exhibition Company.

In compliance with a widely expressed desire on the part of many prominent Agriculturists and Manufacturers, the "Montreal Exhibition Company" has been formed with a view of establishing Annual Exhibitions in Montreal.

The Government of the Province of Quebec having made a grant for the purpose, the PROVINCIAL EXHIBITION will be held this year in the city of Montreal, opening on the 17th and closing on the 25th September.

The commodious and conveniently situated Exhibition Grounds on Mount Royal Avenue, which are so well known and so easy of access, have been secured for the use of the Company.

Extensive alterations and improvements have been made to the Buildings and Grounds; a new speeding track has been provided and every facility will be afforded to both exhibitors and visitors.

Many features of more than ordinary interest will be presented in connection with the Exhibition, and in addition to large displays from different parts of the Dominion, exhibits are promised from the United States. REDUCED FARES WILL BE GIVEN BY ALL RAILWAY AND STEAMBOAT LINES DURING THE EXHIBITION.

Exhibitors' Tickets will be issued at ONE FARE to Montreal and return.

Freight and Live Stock on Exhibition will be returned free of charge, as per arrangement with the Railway Companies. *Freight for Exhibition will be delivered on the Grounds by the Railway Companies without extra charge.*

Steam power and Shafting is provided in the Machinery Hall and Agricultural Implement Buildings, FREE OF CHARGE.

A SILO will be constructed on the Grounds, and the pro-

cess of preparing the ensilage will be shown by several of the latest and most improved machines.

An important feature of the Exhibition will be the WORKING DAIRY, in which the most recent and improved dairy utensils will be shown, and their various uses properly explained and illustrated.

An interesting feature of the Exhibition will be the INTERNATIONAL BENCH SHOW OF DOGS.

An excellent programme of SPECIAL ATTRACTIONS, has been prepared under the most capable direction.

Entrance and applications for space should be forwarded as soon as possible.

For Prize Lists and all information, address the undersigned.

S. C. STEVENSON,

Manager and Secretary,

76 St. Gabriel street, Montreal.

Royal Agricultural Show.

Fine weather favoured the opening of the fifty-second annual show of the Royal Agricultural Society at Doncaster on Saturday. The only portion of the show then opened was that devoted to the implements and machinery. This was above the average in size, and quite up to average merit. In all, there were 421 stands, on which 5347 articles were exhibited.

The chief events were the several competitions for the prizes offered by the society for various implements, only one of which was concluded.

The novelty of the year was a new mechanical milking machine by Nicholson and Gray, the only one entered for the society's prize of £60. This was tried on Saturday, and again during the week. The apparatus is extremely simple. An air-pump, worked by a small engine exhausts the air from a cistern, from which pipes are conveyed to different parts of the cowhouse, and connected with air-tight receptacles for the milk by moveable indiarubber tubes. From the milk receptacle another piece of indiarubber tube proceeds, divided into four branches, which are tipped with horns having indiarubber "lips." The "lips" fit on to the cow's udder, the exhaustion of air from the tubes causing close adherence first, and then the suction which makes the milk flow. There are some important details which it would take too much space to describe; but one must be mentioned, as it is regarded as essential to the successful working of a milking machine. The air-pumping is so managed that what may be described as a pulsating vacuum, instead of a dead vacuum, is produced, and the pulsation is communicated through the tubes, thus causing an intermittent suction upon the cow, similar to that which is applied by the sucking of the calf or by hand milking. On Saturday two cows were milked by the machine in eight minutes; but, with the necessary fittings, any number of animals could have been operated upon simultaneously.

Quite a new thing in this country is the compressed-air sheep shearer, exhibited by the Australian Shearer Company of Sydney. The threshing-machine competitions were brought to a conclusion on Saturday, and the judges awarded the first prize to Messrs. Foden and Son, of Sandbach; the second and third prizes being divided between Messrs. Gibbons and Robinson, of Wantage, and Messrs. Tasker and Sons, of Andover.—*Eng. Ex.*

At Doncaster there was quite as much as usual in the implement department to interest the visitors. DARBY'S steam digger has been so completely transformed that it deserved to rank as a new machine, and as one of the most important novelties in the show. But the sensational novelty was NICHOLS and GRAY'S mechanical milking machine which draws the milk from any number of cows simulta-