

Cooling Hayricks by Fans.

Dear Sir,—It may interest some of your readers to know that a fan made by Mr. Lister, of Dursley, has been at work here all this week.

In order to put it to a severe test, a small rick of about ten loads of my wet grass was put together last Saturday. This had been cut three days, but there had been rain on it daily. There has not been the least difficulty in keeping the heat down to 100 degrees by the application of the fan two or three times a day for five minutes at a time.

Whether grass put together in such damp condition will be of good quality when cut out for use we shall not know for some months to come; but the efficiency of the fan to control the temperature of ricks so put together is beyond all doubt.

Yours very truly,

W. P. PRICE

Tibberton Court, Gloucester, 26th June, 1882.

My Dear Jenner Fust,

The crops about here look splendid at present, and if we can only have a little less rain and more sunshine and warm weather the harvest ought to be truly magnificent—only the

The future of Sugar-factories in Canada.

M. Bolikowski, a civil engineer, chemist, and sugar-maker, of Noailles, France, has lately favoured us with a visit. Thoroughly versed in the manufacture of sugar, which he has practised in Poland, his native country, in Russia, and in France, the reputation of this gentleman is European; and, on that account, his opinion as to the prospects of the sugar-factories in our province is most valuable. After having seen the factories at Berthier and Farnham, as well as the extensive acreage of sugar-beets cultivated by the honourable M. Marchand, at St. John's, M. Bolikowski stated to us as his firm conviction, that the province of Quebec was admirably suited to this pursuit, provided always that the management was entrusted to trustworthy men; to men perfectly acquainted with the cultivation of beets and their conversion into sugar; and, provided also, that the capital was amply sufficient for the intended purpose. M. Bolikowski considers that the factory at Berthier is well arranged, and he esteems the Farnham establishment a model one, which would confer honour on any country where this industry is practised.

An appreciation like this—at once disinterested and enlightened, should encourage us to do our best to assure the final success of this industry, which, up to the present time, has suffered great drawbacks from various fortuitous occurrences.

New Sugar-factories in Germany.

From the *Deutsche Zucker-industrie*:

"During the last season, 15 new factories have been started; and, next year, probably, 18 more will go into operation.

Besides these 18, which will be ready for work before the sugar-making season begins, we may mention projected ones to the number of about 30, which our Berlin contemporary mentions by name and by province.

Reckoning all these, the *Deutsche Zucker-industrie* estimates

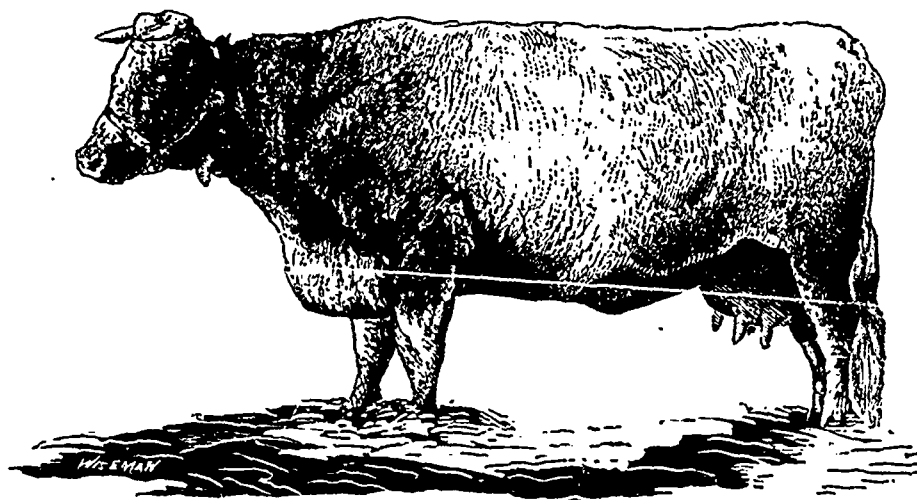
the quantity of beets that will probably be worked up in Germany, in the season of 1883-1884, at about seven and a half million tons. that is, the German production has doubled in four years! The increase of production in Germany is even still more important than the establishment of these new factories would indicate, for the old ones have added considerably to their powers of production, and the yield, thanks to the improvements in cultivation and manipulation, tends to increase every year.

From the French.

WEST FARNHAM, CANADA.

The bounty of \$70,000, offered by the Quebec government for the establishing of a beet-sugar factory in a locality selected by one of its officials, is to be paid to West Farnham factory. We are informed that the House of Parliament has voted that \$25,000 in cash be paid this year. In other words, the provincial government has signified its intention of making the West Farnham factory a success. In order to increase its facilities, the company has issued a "preference stock" to the amount of \$150,000.

The prospects for this year are very bright. Up to the



MATCHLESS THE 5TH.

hay crop will be under the average, being very short and a great deal of the young hay sown last year has been destroyed by the want of snow last winter, which allowed the frost to kill it in a great many places.

The wheat about here is very fine. I have a field in front of my house which is as fine a field as you would wish to see anywhere, fine, heavy ears and about $4\frac{1}{2}$ feet high. My only fear is that all this rain will cause it to lodge. Oats are looking well, so is barley—pease also in most places make a good show. Potatoes coming on well and are not much troubled by the potato bug as yet. My roots look very well, all having come up, the difficulty being the rapidity of the growth of weeds and not being able to clean them as fast as I could wish, owing to constant rain; the turnips especially look well, not having been eaten by the fly.

As you will gather from this, we have no reason to complain so far. Should you want any farther information, please let me know, and I shall be delighted to tell you all I can.

Yours truly,

E. A. CAMPBELL.

St. Hilaire, 13th July, 1882.