

THE "ALEXANDRA" CREAM SEPARATOR

Possesses the following **ADVANTAGES** over all other Machines:—

It requires **NO FIXING** or special foundation **whatever**, simply stands loose on the floor, and when not in use can be easily rolled out of the way. This is very convenient for cleaning the floor and a great advantage where room is an object. For the information of intending purchasers we may here remark that the "Alexandra" is the **only** power machine in the world that requires **absolutely no fixing or foundation**.

It requires **less than half the power** to drive it than any other machine of the same capacity. With our No. 1 machine, 300 gallons of fresh milk may be separated perfectly per hour. This is a great advantage when the power is limited and the milk required to be separated considerable. Our No. 3 machine exhibited at work in the Royal Society's Dairy and the Bath and West of England Societies' Dairy this year, at Plymouth and Rochester respectively, was driven by an ordinary lamp wick belt, $\frac{3}{4}$ in. wide, and showed no sign of wear.

It is the **most easily cleaned**, and in the Exeter trials the "Alexandra" **was placed before all others in this respect** and as cleanliness is of such vast importance in a Dairy, this point cannot be too strongly advanced.

It is the best designed, most simple, most durable, and safest machine. As a proof of this we cannot do better than quote the **exacts words** of the Judges' report of the Exeter trials:—

"The best designed Machine is undoubtedly the "Alexandra" exhibited by Messrs. LISTER, it is the only one which I consider has anything approaching to a proper proportion between the length and diameter of the bearings of the bowl spindle. In the other machines the bearings are too short.

"The Framework of the "Alexandra" is very compact and the rotating parts are well shielded by it. The centre of gravity of the bowl is kept low, so that it has less tendency to strain the spindle than in any of the other machines: this of course allows a much smaller spindle to be used with safety, and a great diminution of friction is the result.

"All the working parts are well boxed in by the frame, so that there is less danger of entanglement with the dresses of dairymaids than with any other machine exhibited. This spindle, too, is light, but of sufficient strength, and has a long bearing, a very important point where high speeds have to be used.

"The bowl is driven by friction on the ball shaped top of the spindle upon which it rests and balances itself perfectly in running.

"It can also be lifted off in a moment for cleaning, a matter of very great importance. Moreover the frictional driving of the bowl reduces the strain on the intermediate gearing and belts in starting: if too much power be applied at first, the spindle slips round and no harm is done; besides, in case of anything catching in the belt or spindle, pulley, or any part of the gearing when the bowl was rotating at full speed, the spindle would instantly stop and the bowl continue to spin on the top of it, whereas anything catching in the gearing of any of the other competing machines would be certainly far more likely to cause an accident."

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