

# SHARPLES CREAM SEPARATORS

## AND TUBULAR SUPERIORITY.

Centrifugal Force varies *directly* as the diameter.

Centrifugal Force varies *as the square* of the revolutions.

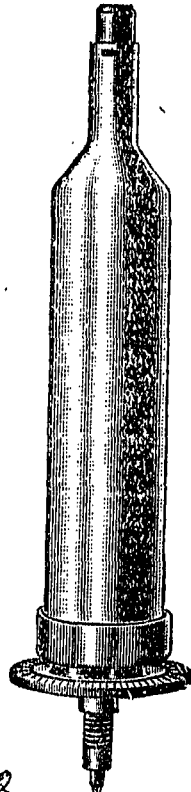
A 4 in. diameter bowl will need three times the revolutions of a 12 in. diameter bowl to give the same circumferential speed.

The increase of three times as many revolutions would give  $3 \times 3 = 9$  times the centrifugal force if the bowls were of the same diameter. But the higher revolution bowl is but  $\frac{1}{3}$  the diameter of the larger, so the smaller diameter bowl will have but  $\frac{1}{3}$  of 9 times or 3 times the centrifugal force. Thus a bowl 4 in. diameter running at the same circumferential speed will have three times the centrifugal force of a bowl 12 inches in diameter.

Three men will lift a stone which one man cannot budge. Three times the centrifugal force will recover small cream globules that otherwise cannot be separated.

Some manufacturers use complicated internal devices to increase capacity, we accomplish a better result by the simple scientific method of reducing diameter and increasing revolutions. In this way, we preserve simplicity and durability, make a bowl weighing thirty pounds do more work than any other bowl of three times the weight, and produce a cream unequalled in smoothness and value, because it goes directly through an unobstructed bowl, thus obviating any tendency break the globules.

*The Sharples Tubular is a clean, rapid, superb skimmer of large reserve capacity and they are sold absolutely on their merits and subject to a rigid guarantee as to results.*



**P. M. SHARPLES,**

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West Chester, Pa.