Sharples Cream Separators

AND TUBULAR SUPERIORITY.

Centrifugal Force varies *directly* as the diameter.

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

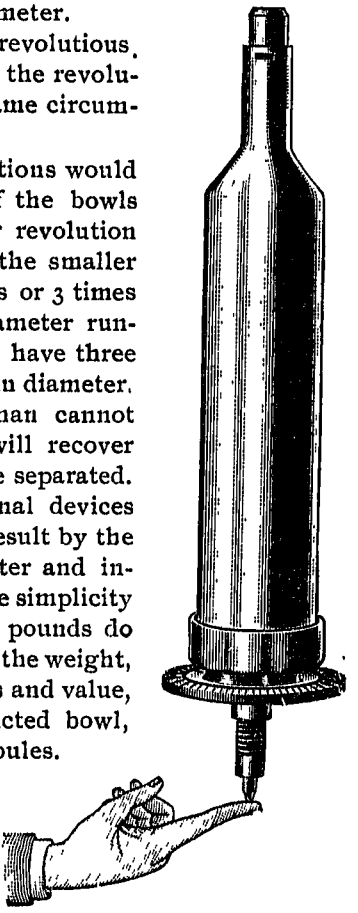
A 4 in. diameter bowl will need three times the revolutions of a 12 in. diameter bowl to give the same circumferential speed.

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 ⅓ the diameter of the larger, so the smaller diameter bowl will have but ⅓ 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 weighiug thirty pounds do more work than any other bowl of three times the weight, and produce a cream unequaled in smoothness and value, because it goes directly through an unobstructed bowl, thus obviating any tendency to 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,

WEST CHESTER, PA.

THE SHARPLES CO., Canal and Washington Sts., Chicago, Ill.