

# HEELS UP-HEAD DOWN

There are some mighty funny things about common "bucket bowl" cream separators. One is that the bowls used in them actually run better when turned heavy end **down**—heels up, head down, as you might say.

Prove it? Why, we knew it ten years ago, and have been proving it by building Tubulars with bowls rung heavy end **down** ever since.

But we have just proved it again—this time in a very simple and practical way with a "bucket bowl" itself. We took a common, disc filled "bucket bowl" machine—the sort with the bowl set heavy end **up** and fed through the **top**. The machine looked all right, but the bowl had the "shakes" so bad—that is, it trembled, leaned and strained against its bearings so hard—that we could not run it over 6,000 revolutions per minute, though it was supposed to run 8,000 in every day use.

You see, a separator bowl set heavy end **up** is always top heavy, always leans sidewise, even though the eye can't detect it, and consequently always trembles in its bearings. These tremblings gradually increase until they wear the bearings, shake them loose, bend the spindle and create so much friction that it acts like a brake and prevents getting up speed. That was the trouble with this disc filled "bucket bowl" we are talking about.

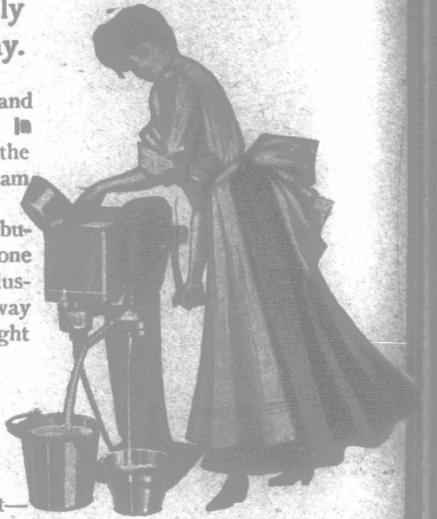
When we found this "bucket bowl" would **not** run in its own machine, we took it out, cut a thread on the bottom of the spindle, and hung it, heavy end **down** in a Sharples Tubular Cream Separator, just as we would a bowl of our own. You should have seen it run then. **No trouble at all** to run it 8,000 revolutions per minute. We easily ran it 12,000.

Could you ask any better proof that common "bucket bowl" separators, with bowls set heavy end **up** and fed through the **top** are built all wrong? Or better proof

that the **suspended** bowl and bottom feed used **only in Sharples Machine** is the right way to build a cream separator?

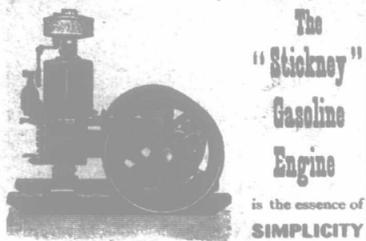
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**The Sharples Separator Co.**  
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