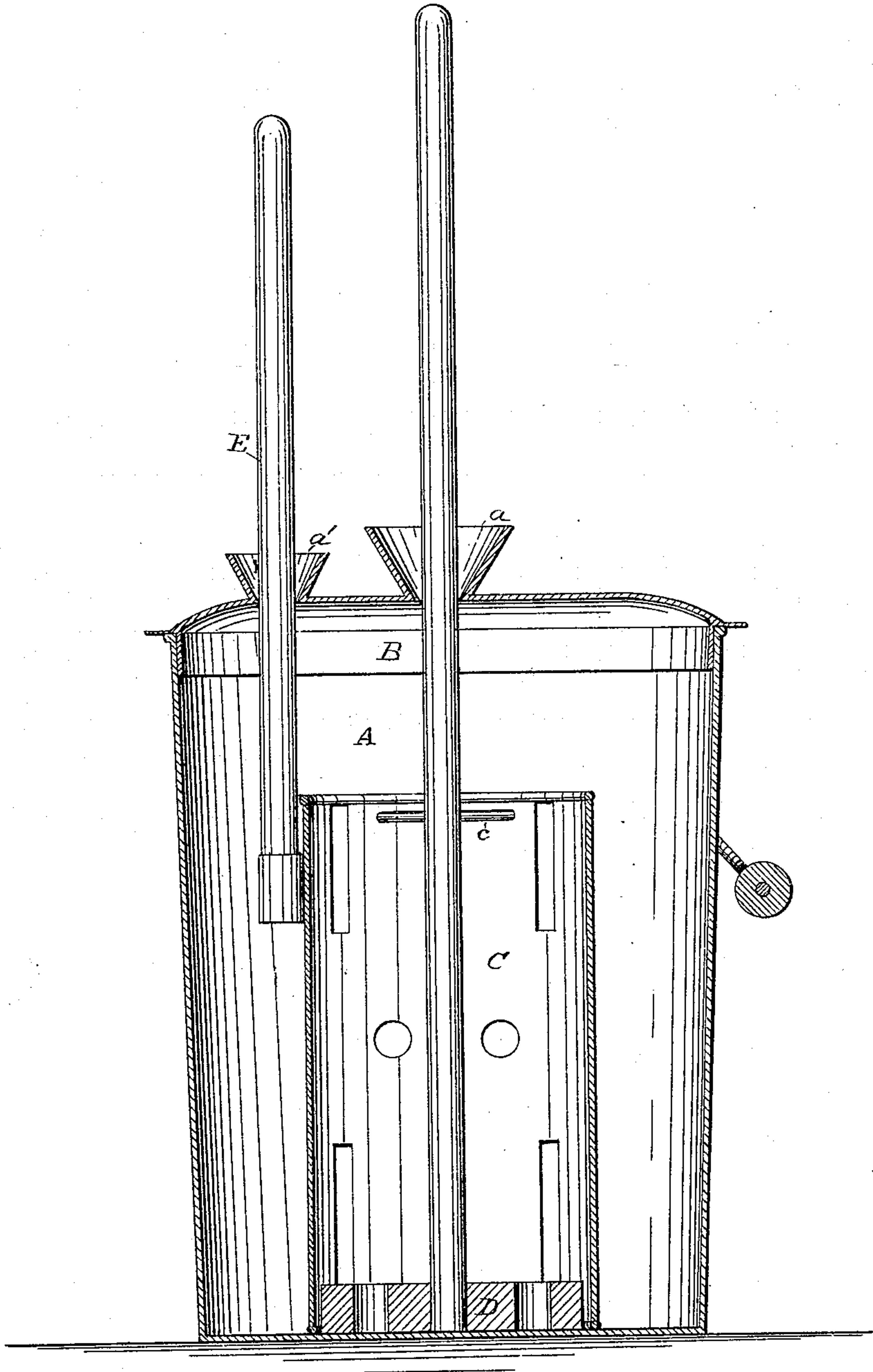


D. J. ROGERS.
CHURN.

No. 181,723.

Patented Aug. 29, 1876.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID J. ROGERS, OF BARDSTOWN, KENTUCKY.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 181,723, dated August 29, 1876; application filed July 28, 1876.

To all whom it may concern:

Be it known that I, DAVID J. ROGERS, of Bardstown, in the county of Nelson and State of Kentucky, have invented a new and Improved Churn; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which the figure is a vertical section.

My invention relates to certain improvements in churns designed to simplify and extend the use of the same, and expedite the operation of churning. It consists, principally, in the combination, with a tube or case provided with slits and perforations, of a projecting handle for holding the tube stationary against the bottom of the outer case while the dasher is being worked up and down in the said tube, by means of which arrangement any vessel without a special cover may be employed for the outer containing-case, and the churning devices adapted for use in one as well as the other.

In the accompanying drawing, A represents the outer containing case, which, in this instance, consists of a tin pail provided with a cover, B, having two openings, provided with the usual funnel-shaped cups *a a'*, of which the center one, *a*, is for the extension of the dasher-handle, and the other, *a'*, for the extension of the handle which is employed for holding the tube or case in place. C is the tube or case in which the dasher works, which tube is preferably made of sheet metal, provided with slits and perforations upon the sides, but may be made of woven wire, if desired. Upon the outside of this tube is attached a socket, *b*, in which fits a rod, E, that passes up through the opening *a'* of the cover, and constitutes a handle, by means of which the tube is held firmly in its position upon the bottom of the outer case. D is the dasher, which may consist of a disk of perforated sheet metal or wood of a little less diameter than the tube, so as to work freely therein, and provided with a handle which passes upwardly through the opening *a* of the cover, so as to be operated by hand. The tube C may have its bottom closed by an end piece, if desired;

but I prefer to make it open at both ends, as it is then more readily cleansed, a single piece of metal, *c*, being arranged across the top end to prevent the accidental lifting out of the dasher while churning.

From the foregoing description it will be seen that the churning devices are entirely independent of and detached from the outer case, so that the tube, with the dasher and cover, may be lifted off and inserted into any vessel for containing the cream, from a half-gallon jar to a water-bucket, that convenience or the quantity of cream to be churned may suggest.

In operating the devices, as before described, the outer case is filled with cream nearly up to the top of the tube, and the handle E is grasped in the left hand and pressed downwardly to hold the tube stationary and in proper position while the dasher is being reciprocated in the tube.

The advantages arising out of this form of churn are, first, that a large degree of agitation is secured through the use of the tube, while but little spattering of the cream is produced, thus permitting the churning to be effected in a vessel without a cover; secondly, the operation is effected quickly, and with but little labor; and, thirdly, the butter does not require to be gathered after churning, as it collects naturally during the operation in the annular space between the tube and the outer case.

Having thus described my invention, what I claim as new is—

1. The perforated tube C, having a projecting handle, E, for holding the same in position, in combination with a dasher, forming a churning device adapted to be used within any adequate size or form of containing-case, substantially as described.

2. The perforated tube C, having a socket, *b*, and projecting handle E, in combination with a dasher, D, a containing-case, A, and a cover, B, having funnel-shaped openings *a a'*, substantially as and for the purpose described.

D. J. ROGERS.

Witnesses:

R. D. HACKLEY,
W. P. CASBY.