S. S. Langdon.

Churn.

No. 25,126. Patented Aug 16, 1859.

Fig 1.

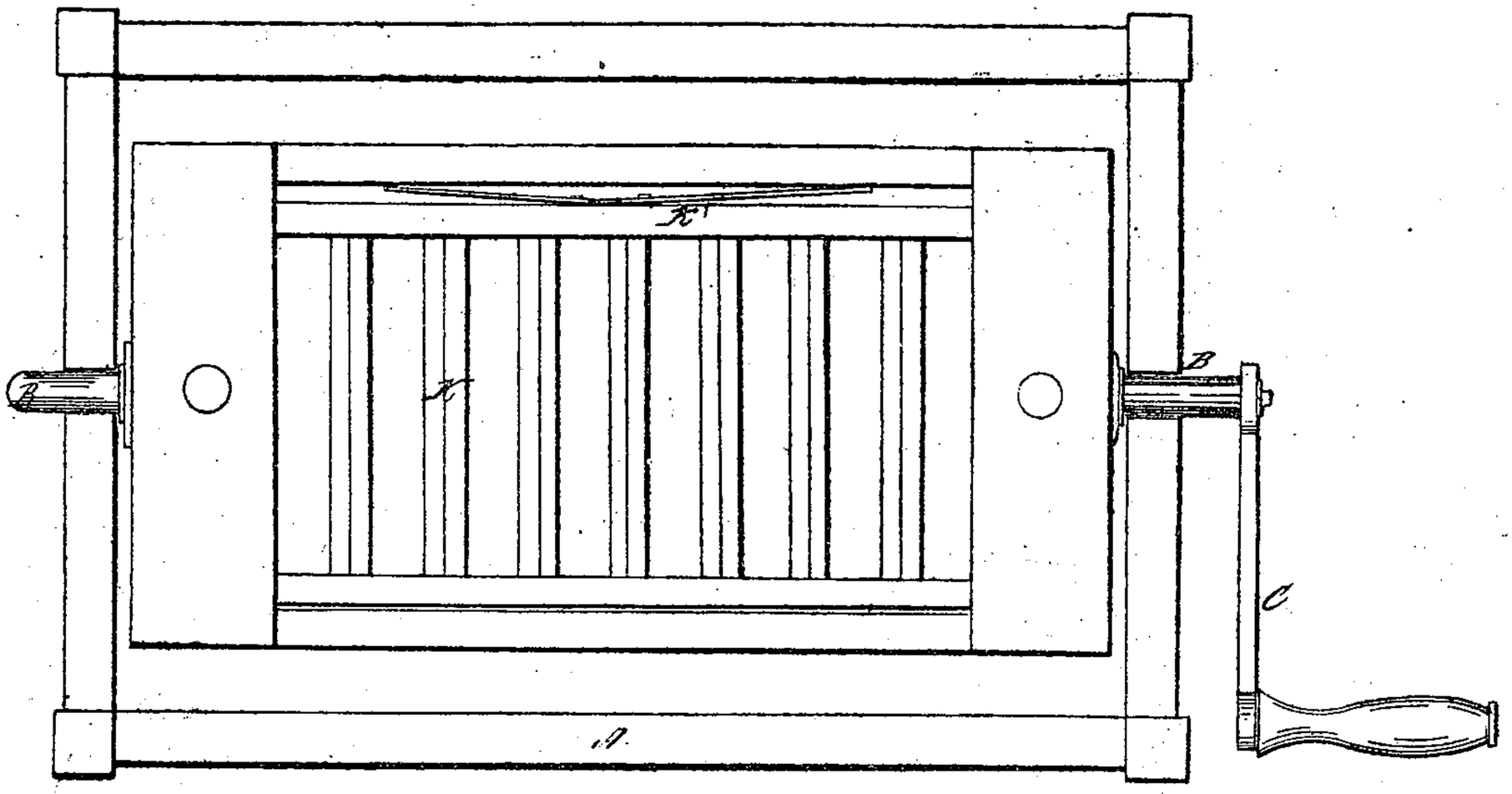
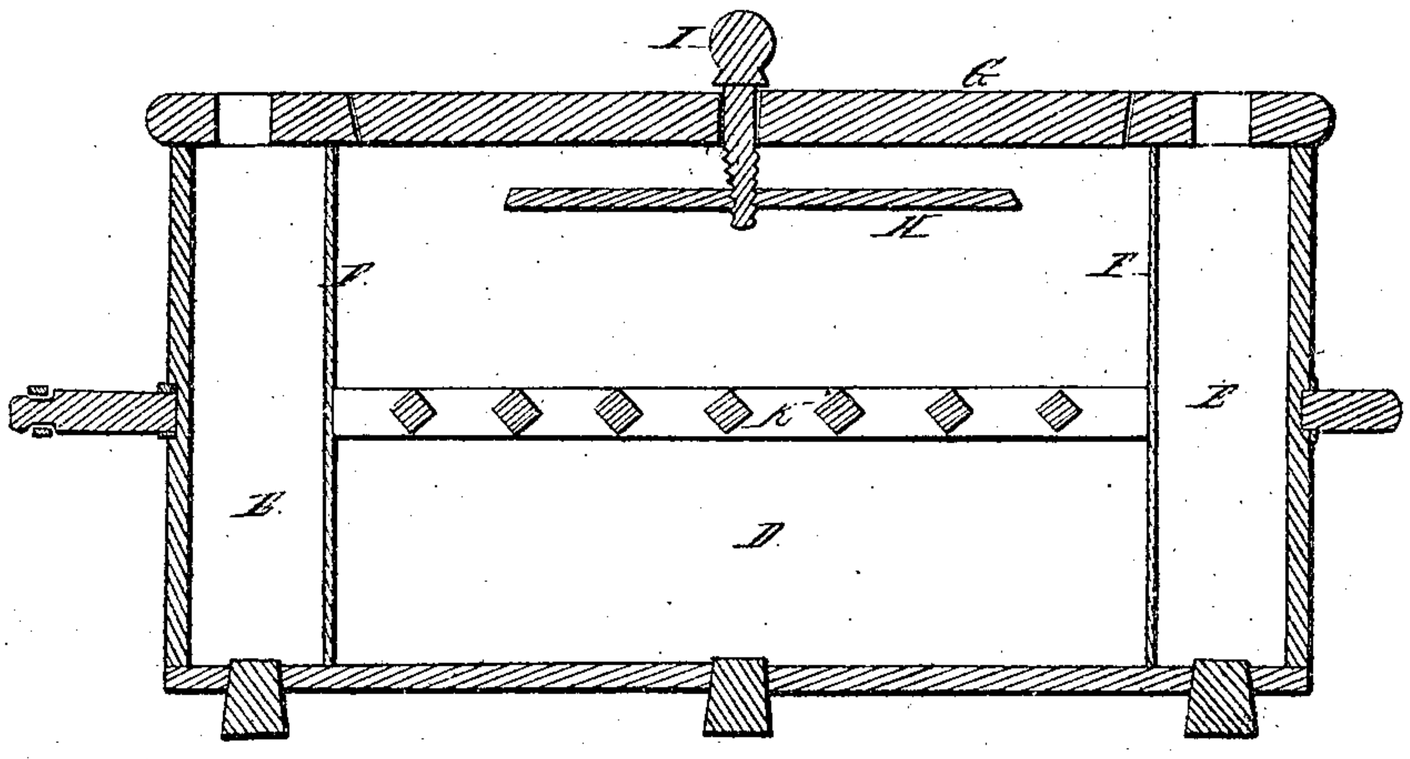


Fig 2.



Witnesses:
S Folgamb
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UNITED STATES PATENT OFFICE.

S. S. LANGDON, OF CLEVELAND, OHIO.

CHURN.

Specification of Letters Patent No. 25,126, dated August 16, 1859.

To all whom it may concern:

Be it known that I, S. S. LANGDON, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Rotary Churns; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in an improved construction and arrangement of rotary churns.

In the accompanying drawings, Figure 1, is a top view of my improved churn. Fig. 2, is a perpendicular section of the body of the churn separated from the frame.

Upon any common frame A, the body of my churn is supported upon two journals B, so as to be turned by a crank C in the manner usual with rotary churns. The body of the churn has externally the form of a common box. It has a chamber D, for the cream and two smaller chambers E for warm or cold water. The partitions F are plates of sheet zinc, set into saw kerfs cut in the boards forming the body of the churn. The cover G, may be held in place by a central button H, tightened by a thumb screw I, or by thumb screws placed on the edge of the cover in any convenient manner. Three plugs L, serve to empty the chambers. The dash-frame K, is held in place by a spring K′. It is removable for cleaning.

When churning, I place the dash-frame about midway from the top to the bottom of the churn, as shown in Fig. 2. When the operation of churning is completed the dash-frame may be lowered to the bottom of the churn in order to remove the butter without interfering with the latter or causing it to adhere to the dasher, as is often done with many other churns wherein the dasher must be removed through the mass of butter.

My construction of churn is exceedingly simple and cheap. The castings cost but three cents. The two zinc plates or partitions F, cost but ten cents and are put in place with very little labor; yet the water chambers E have all the advantages of more expensive arrangements for tempering the cream. Being at the extremities of the churn these chambers keep the whole body of the cream of nearly equal temperature.

My churn is very easily cleansed, a fact of very great importance. It has been thoroughly tried and found to be very efficient.

I am aware that rotary churns, water chambers and removable and adjustable dashers are not new in themselves and that a box churn with water chambers has been used without a dasher or dash frame. I therefore confine my claims to my peculiar arrangement and combination of these, as above described.

Having thus fully described my invention, what I claim and desire to secure by Letters Patent of the United States is:

The above described construction and arrangement of rotary churns, when the same are provided with the dash-frame K, and chambers E, and the whole constructed, arranged and operated substantially as set forth.

S. S. LANGDON.

Signed in presence of—
SAML. FOLJAMBE,
CHARLES FOLJAMBE.