

(Model.)

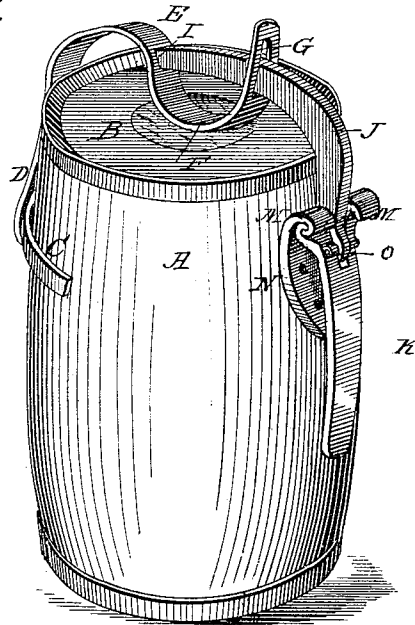
J. L. ELLIS.

CHURN.

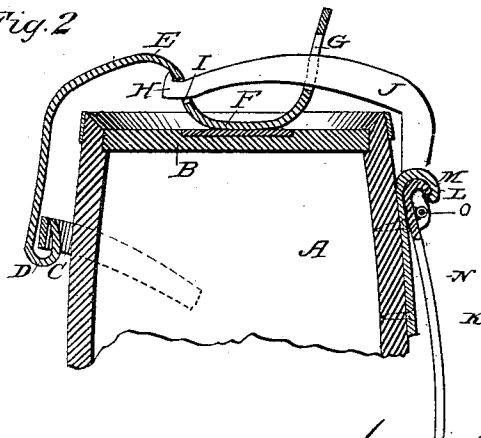
No. 273,671.

Patented Mar. 6, 1883.

*Fig.1.*



*Fig. 2*



WITNESSES :

Fred. L. Dieterich  
 Bennett & Jones.

Joseph L. Ellis,  
INVENTOR.  
by Louis Bagger & Co.  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOSEPH L. ELLIS, OF MILLINGTON, MICHIGAN, ASSIGNOR OF ONE-HALF TO  
JOHN A. DAMON, OF SAME PLACE.

## CHURN.

SPECIFICATION forming part of Letters Patent No. 273,671, dated March 6, 1883.

Application filed January 8, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, JOSEPH L. ELLIS, of Millington, in the county of Tuscola and State of Michigan, have invented certain new and useful Improvements in Churns; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of the top part of a barrel-churn provided with my improvement, and Fig. 2 is a sectional view of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to fastenings for covers for barrel-churns; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the churn-barrel, and B the lid.

Upon the side of the barrel is fastened a bail, C, of strap metal, into which the hooked end D of a curved arm, E, engages. The curved arm E passes from the bail up along the side of the barrel, and is bent over the top of the barrel, forming a bulge, F, which bears against the lid. Passing through a longitudinal slot, G, in the end of the arm E, and en-

gaging with its notched end H in a slot, I, at the inner side of the bulge F, is a curved arm, J, to the outer downturned end of which, at O, is pivoted a bifurcated lever, K. The short ends L of this lever are slightly hooked and catch under the two lips M of a catch, N.

When it is desired to fasten the cover upon the barrel, the hooked end D of arm E is caught in the bail C, and the notched end H of arm J inserted through slot G into slot I. The short hooked ends L are then brought to catch under the lips M, and the lever K is turned down, pressing the cover firmly down upon the barrel, and holding it there.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a barrel-churn, the barrel A, cover B, bail C, curved arm E, forming hook D and bulge F, and having slots G and I, bent arm J, having notched end H, bifurcated lever K, having hooked ends L, and catch N, having lips M, all constructed and combined to operate substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOSEPH L. ELLIS.

Witnesses:

J. M. TORREY,  
C. S. JOHNSON.