

J. C. BRIDGMAN.

Churn.

No. 54,846.

Patented May 22, 1866.

Fig: 1.

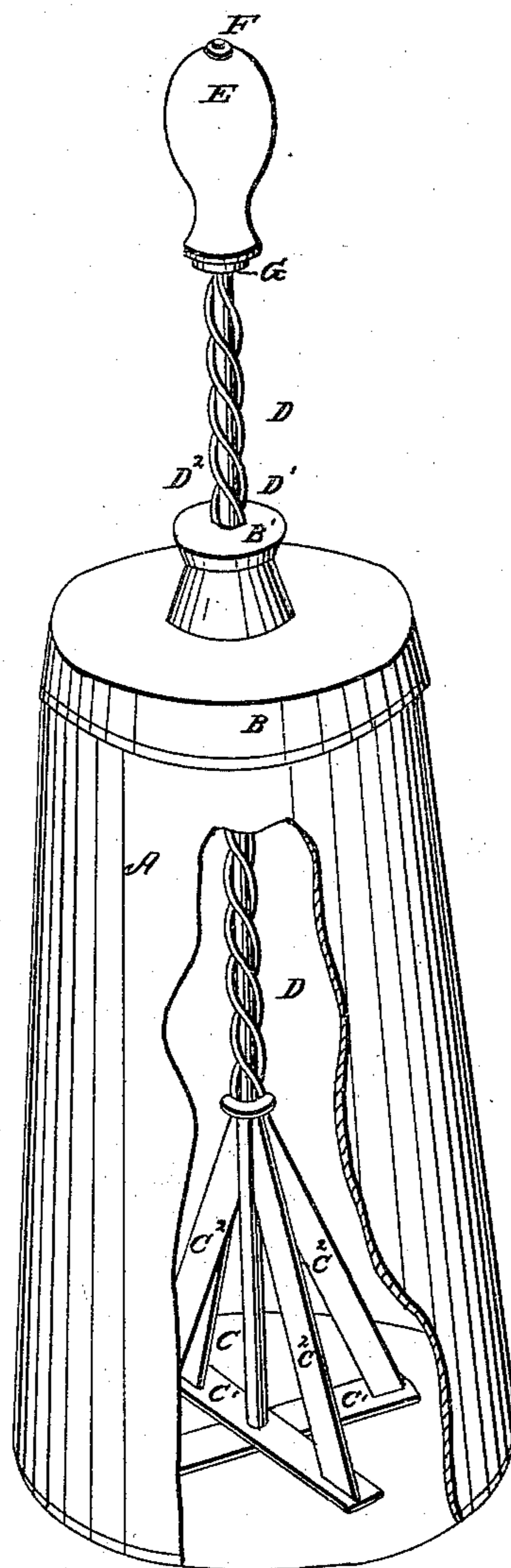


Fig: 2.

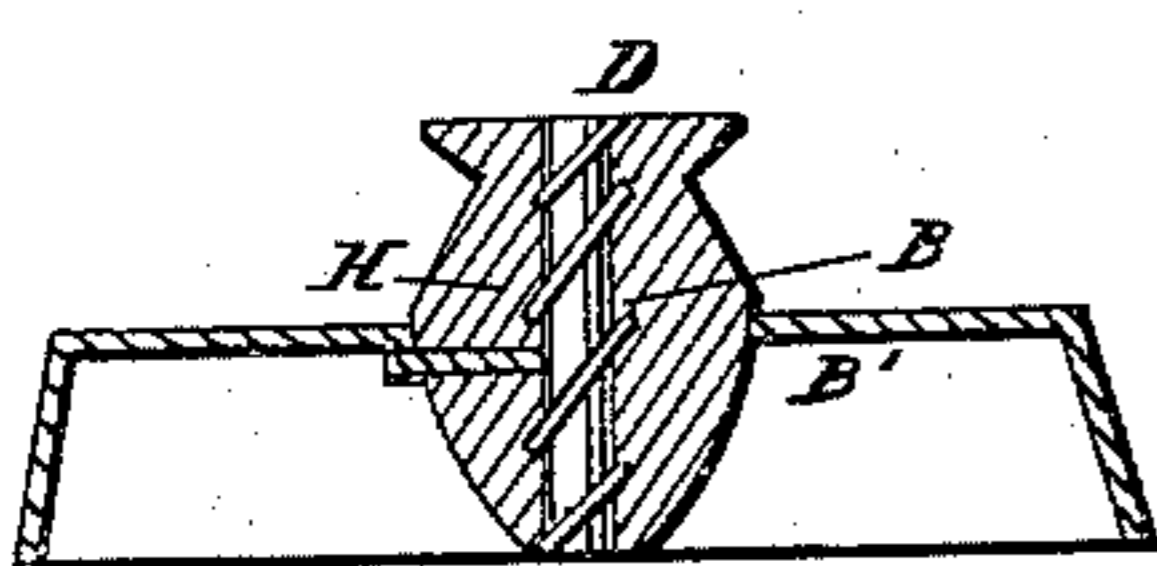


Fig: 3.



Witnesses:

F. A. Connally.  
L. A. Murphy.

Inventor:  
John C. Bridgman  
D. F. Holloway & Co.  
His attys.

# UNITED STATES PATENT OFFICE.

J. C. BRIDGMAN, OF LONDON, OHIO.

## IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 54,846, dated May 22, 1866.

*To all whom it may concern:*

Be it known that I, JOHN C. BRIDGMAN, of London, in the county of Madison and State of Ohio, have invented a new and useful Improvement in Churns; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, made part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a vertical section of the cover and dasher-handle. Fig. 3 is a horizontal section of the dasher-handle.

In the different figures the same letters refer to identical parts.

A represents the body of the ordinary churn, of which B is the cover. D is the handle of the dasher, which has a double or triple thread, D', running its entire length, formed of wires coiled around the handle or in any other mode.

E is a wooden collar resting upon a washer, G, and turning freely upon the handle. It is retained by the flange F on the end of the handle D.

C is the dasher, which is formed of the cross-pieces C' on the bottom and the vertical beaters, (marked C<sup>2</sup>.)

A pin, H, is inserted through the part B' of the cover, the point being inserted between the threads of the screw D'. Any equivalent arrangement of the threads of a male and female screw will answer the same purpose. I have described this mode as the cheapest.

The collar E being seized by the hand as the dasher is drawn up, it has both a vertical and revolving motion, which is reversed in descending, the paddles C' and C<sup>2</sup> violently agitating the cream as the dasher passes through it.

What I claim as my invention, and seek to secure by Letters Patent, is—

The combination of the cover B and pin H with the handle D, having spiral thread D', the loose collar E, and dasher C, the parts being severally constructed and arranged for use substantially in the manner and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

J. C. BRIDGMAN.

Witnesses:

C. S. S. GRIFFING,  
B. BLAKE.