

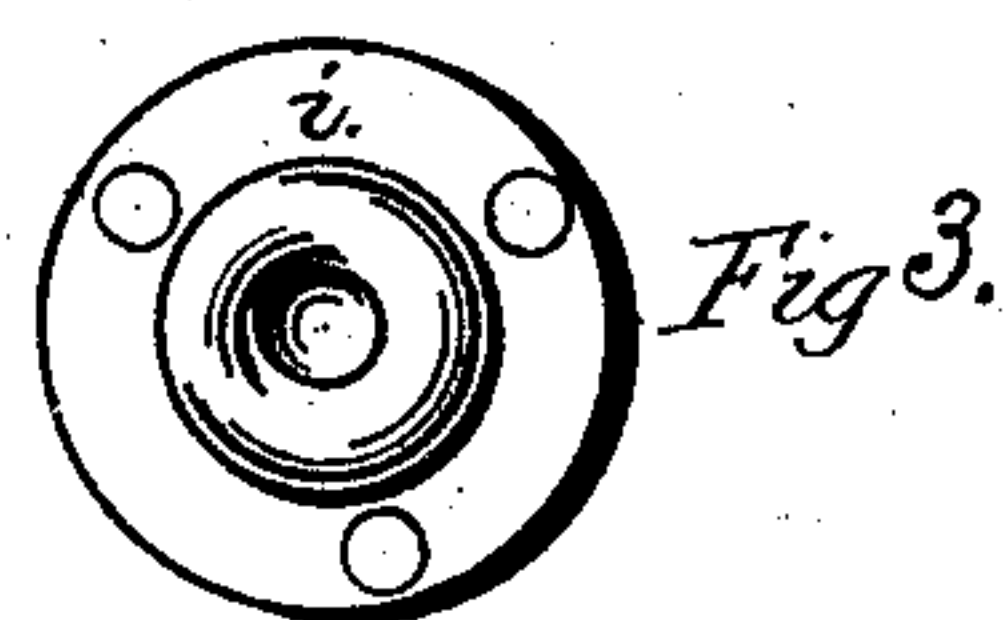
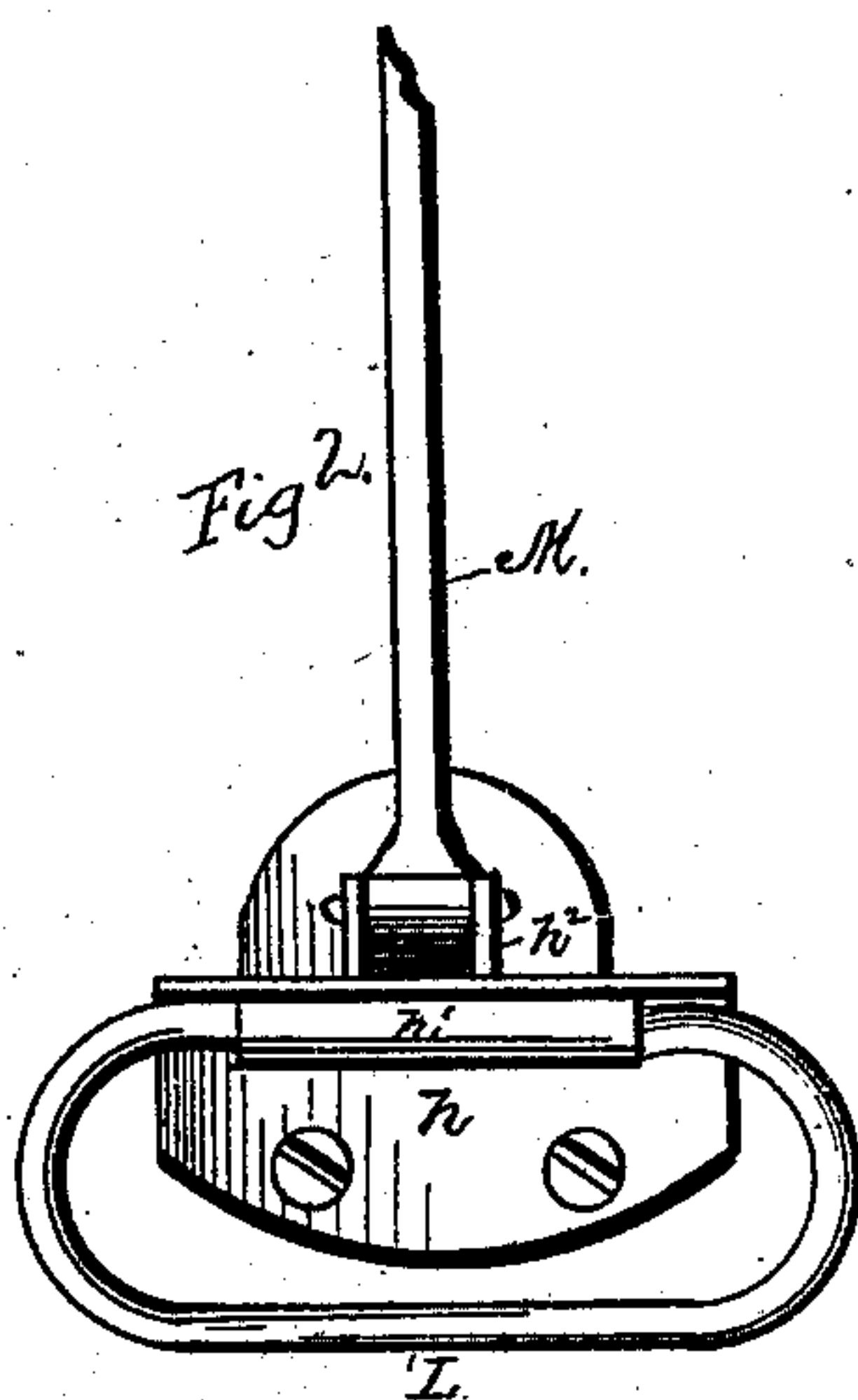
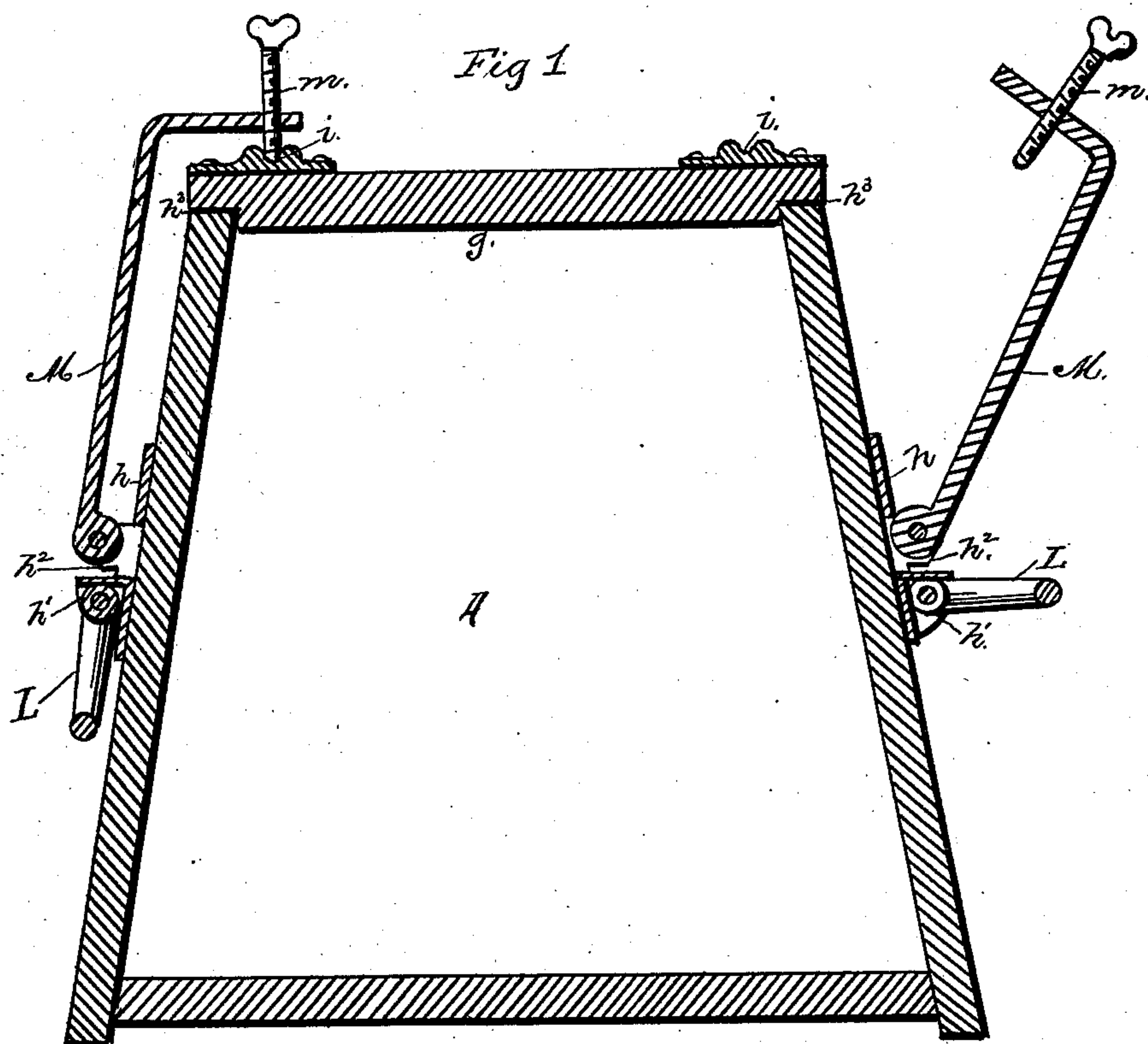
(No Model.)

E. H. SCHMIDT & H. F. C. BRAMMER.

COVER FASTENING FOR CHURNS.

No. 294,683.

Patented Mar. 4, 1884.



Witnesses:  
L. Fred. H. Beller.  
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# UNITED STATES PATENT OFFICE.

ERNEST HUGO SCHMIDT AND HENRY FRIEDRICH CHRISTIAN BRAMMER, OF  
DAVENPORT, IOWA.

## COVER-FASTENING FOR CHURNS.

SPECIFICATION forming part of Letters Patent No. 294,683, dated March 4, 1884.

Application filed June 22, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, ERNEST HUGO SCHMIDT and HENRY F. C. BRAMMER, citizens of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Cover-Fastenings for Churns; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has relation to cover-fastenings for churns; and it consists in the construction and arrangement of parts, as will be hereinafter described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a vertical section of a churn-vessel with our improved devices attached thereto. Fig. 2 is a detail view of one of the fastening devices, and Fig. 3 is a detail view of one of the bearing-plates.

The letter A represents the churn-vessel, having attached to opposite sides thereof, near its top portion, plates *h*, provided with sockets *h'*, to receive the handles L. These plates are also provided with perforated ears *h''*, in which are pivoted arms M, the upper ends of which are provided with set-screws *m*.

The letter D indicates the circular lid or

cover of the churn, which is provided with an inner flange, *g*, adapted to fit closely into the mouth of the churn, a rubber ring or packing, *h''*, being attached to the cover, and resting between it and the top edges of the churn, as shown in Fig. 1 of the drawings. Upon the top of this churn, near the edge thereof, are secured metallic bearings *i*, which are adapted to receive the set-screws *m*, whereby the cover is held securely to the top or mouth of the churn. The top portion of this churn-cover may be provided with a suitable mechanism to connect with a mechanism on an inclined dasher-rod, provided with beater blades or wings, and said rod having its bearings in the bottom and top or mouth portion of the vessel.

Having described our invention, what we claim is—

The cover-fastening for churn-vessels, consisting of the plates *h*, secured to the sides of the vessel A, and provided with sockets *h'* and perforated ears *h''*, the arms M, carrying set-screws *m*, pivoted in said ears, and the cover D, having the bearings *i*, to engage said set-screws, to secure said cover to the churn, as shown and described.

In testimony whereof we affix our signatures in presence of two witnesses.

ERNEST HUGO SCHMIDT.

HENRY FRIEDRICH CHRISTIAN BRAMMER.

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