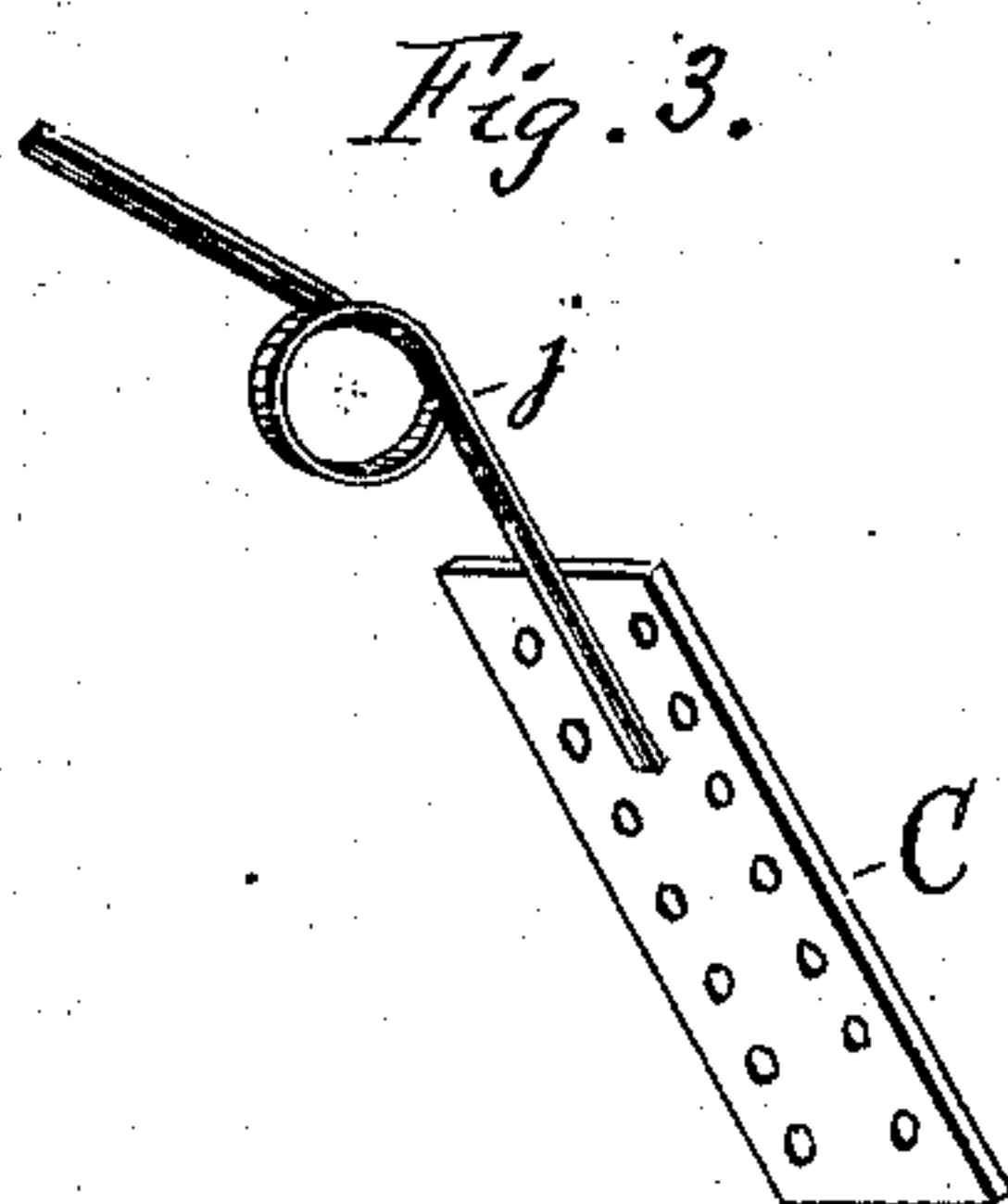
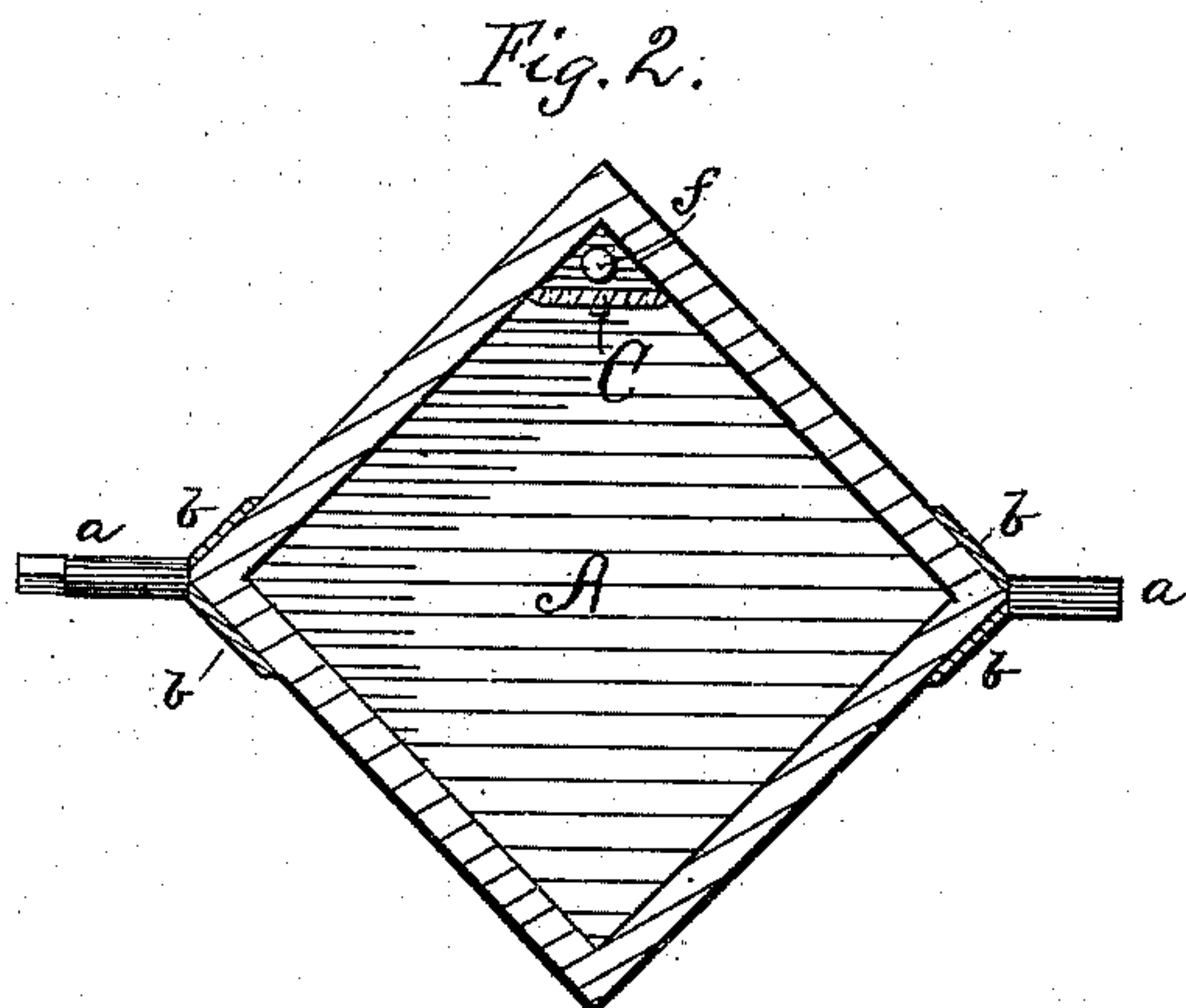
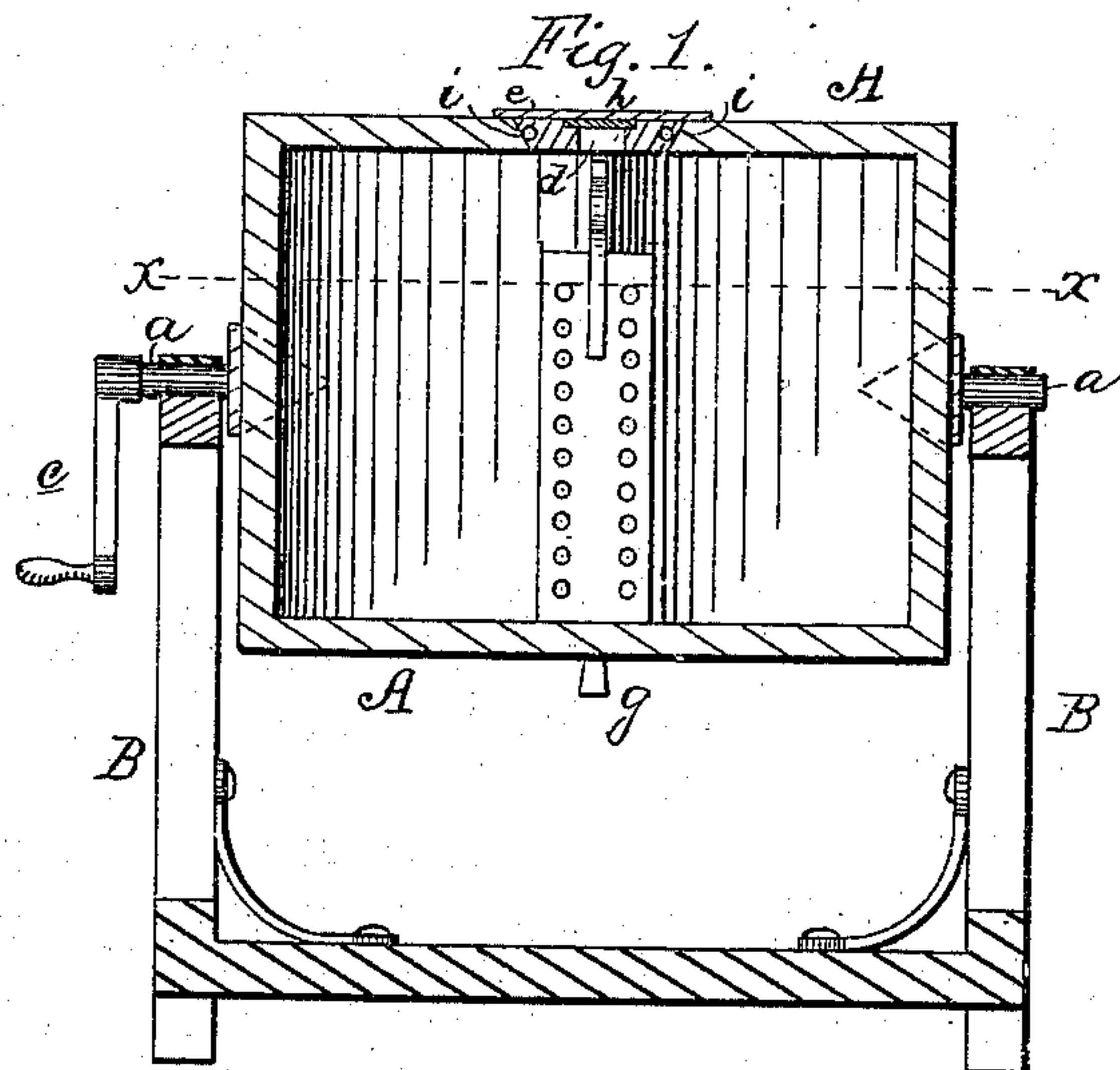


(No Model.)

S. E. DUNN.
CHURN.

No. 271,818.

Patented Feb. 6, 1883.



WITNESSES:

H. B. Brown
John C. Kemou

INVENTOR:

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UNITED STATES PATENT OFFICE.

STANLEY E. DUNN, OF HERRICK CENTRE, PENNSYLVANIA.

CHURN.

SPECIFICATION forming part of Letters Patent No. 271,818, dated February 6, 1883.

Application filed April 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, STANLEY E. DUNN, of Herrick Centre, in the county of Susquehanna and State of Pennsylvania, have invented a new and Improved Churn, of which the following is a full, clear, and exact description.

My invention relates to improvements in churns; and it consists in the combination of a spring with a strainer and churn-body; and it also consists in the combination, with a churn-body journaled at its opposite corners and provided with a discharge-opening in one corner, of a strainer provided with a spring and arranged in the angle between the discharge-opening and the center of the body, as herein-after fully described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of a churn having my improvement applied. Fig. 2 is a sectional plan view on line *xx* of Fig. 1. Fig. 3 is a perspective view of the strainer.

A represents the churn-body, consisting of a rectangular box provided with journal *a* at opposite corners, and B the frame in which the box is journaled.

The journals *a* may be attached to the angles of the box in any improved way; but I prefer to use the angle-plates *b*, and to one of the journals I apply a crank, *c*, for turning the churn.

The box is provided with an opening, *d*, for the admission of the cream, closed by the cover *e*, and with a discharge-opening, *f*, in one corner, closed by a plug, *g*.

The cover *e* may be provided with a glass or other transparent plate, *h*, for convenience of observing the process of the work, and may be made to fit tightly by a packing-ring, *i*.

C is a strainer, provided with the spring *j* at its upper end. The strainer can be made of any suitable material, and is to be placed upright in the angle of the box, as represented in Figs. 1 and 2, when the butter has come, so as to cut the butter off from the said angle, out of which the buttermilk discharges through the opening *f*, and thus prevent the escape of the butter with the milk. The strainer is to be inserted through the opening *d*, and will be held in position by the spring *j* bearing against the inner surface of the upper side of this box.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of spring *j* with strainer C and churn-body A, substantially as described.

2. The combination, with the churn-body A, journaled at its opposite corners, and provided with the discharge-opening *f*, arranged in one corner between its journals, of the strainer C, provided with the spring *j* and arranged in the angle between the discharge-opening and center of the body, substantially as and for the purpose set forth.

STANLEY E. DUNN.

Witnesses:

GEO. T. LEACH,
ERVIN J. DUNN.