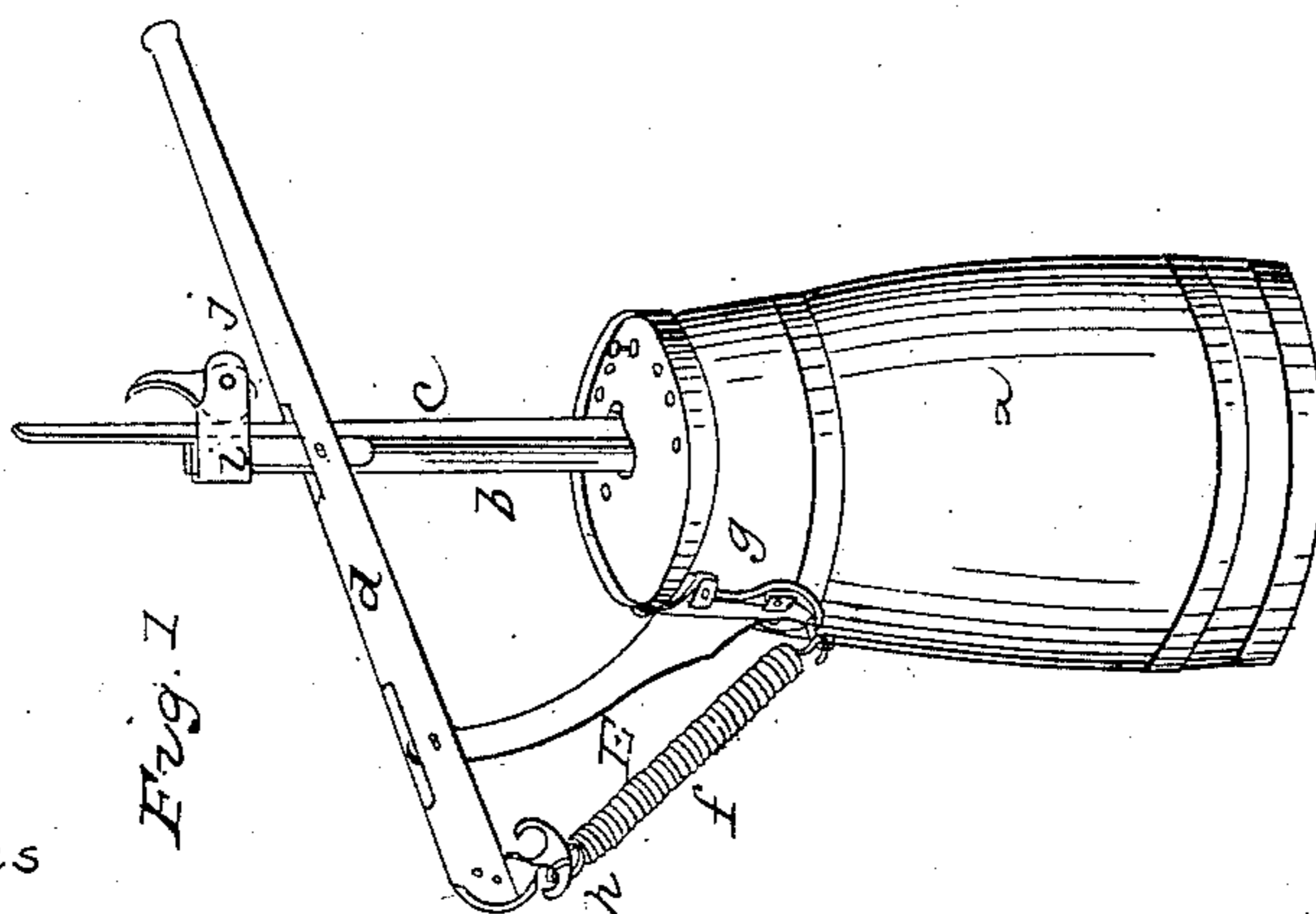
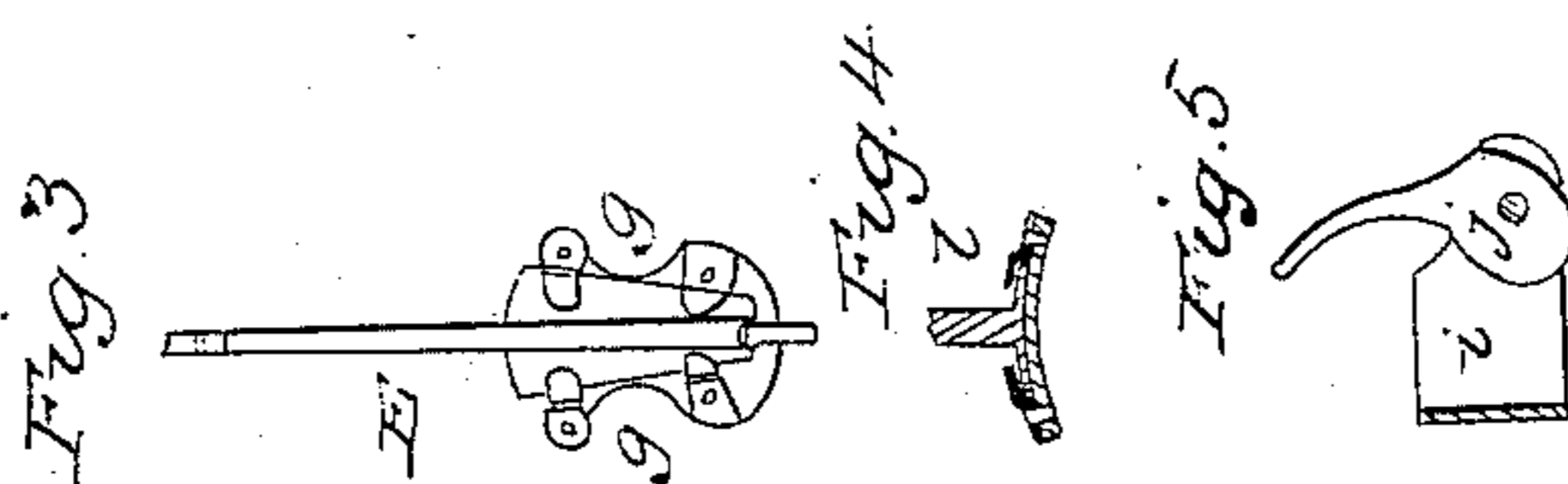
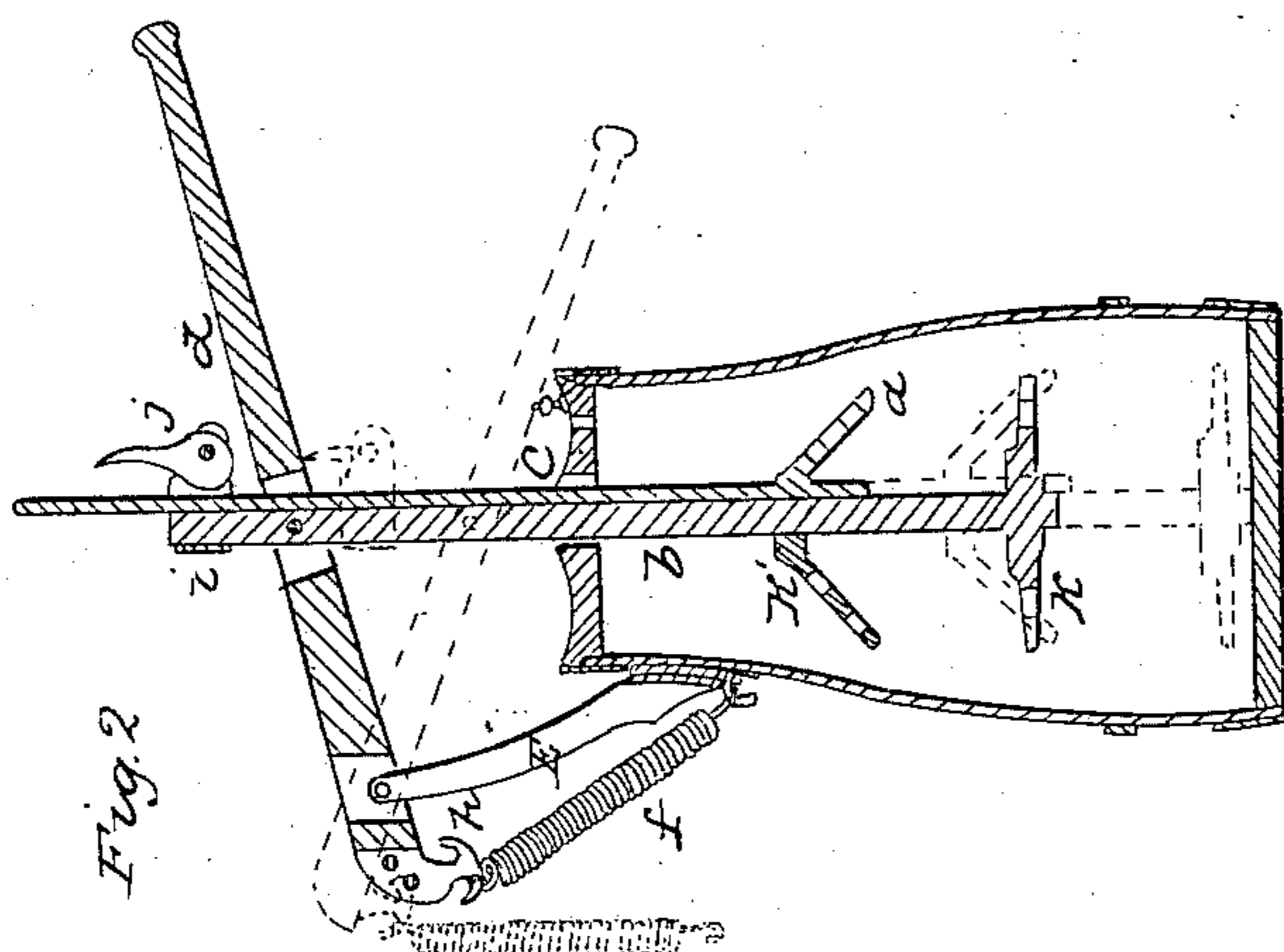


H. P. WESTCOTT.

Churn.

No. 59,691.

Patented Nov. 13, 1866.



Witnesses
D Knight
J G Day

Inventor
Henry P Westcott.

UNITED STATES PATENT OFFICE.

HENRY P. WESTCOTT, OF SENECA FALLS, NEW YORK.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 59,691, dated November 13, 1866.

To all whom it may concern:

Be it known that I, HENRY P. WESTCOTT, of the village of Seneca Falls, in the county of Seneca and State of New York, have invented certain new and useful Improvements in 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.

The nature of my invention consists, first, in affixing the upper or adjustable dasher rigidly to its separate standard, and at the same time allowing it to slide up and down upon the standard to which the lower dasher is attached, and making the standard of said adjustable dasher of sufficient length, so that it can be fastened in any desired position by a fastening located above the top of the churn, thus enabling the operator to adjust said dasher to any required height without removing the top of the churn or withdrawing said dasher from the cream; second, in the manner of fastening the two standards together so that the height of the upper dasher may be easily and quickly adjusted to suit the height of the cream in the churn, and readily and securely fastened when thus adjusted; third, in providing a removable standard for the support of the lever and so arranging its support that it may be readily removed from the churn; and, fourth, in so arranging the spiral spring and so connecting it with the outer end of the lever and with the lower end of the clasp which receives said standard as to prevent the standard from being displaced when the lever is operated.

Figure 1 is a perspective view of the churn when ready to be operated. Fig. 2 is a sectional view through the center of the churn. Fig. 3 is a perspective view of the clasp which supports the standard for the support of the lever, with said standard inserted therein. Fig. 4 is a perspective view of the upper end of the support for said standard. Fig. 5 is a perspective view of the clasp through which the standards of the dashers pass, with the eccentric by which the standard of the adjustable dasher is held at any desired height.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my churn in any of the known forms, nor is the form of the dasher in any wise material to my present invention.

The lower dasher, *k*, is affixed firmly to its standard *b*, which is made of sufficient length so as to pass through the lever *d* sufficiently far to admit of the clasp *i* to be placed thereon.

The upper or adjustable dasher is also affixed rigidly to its standard, which is fastened thereto sufficiently far from the center thereof, so as to allow said dasher to slide up and down upon the standard of the lower dasher, said standard passing through the center thereof. The standard of the upper and adjustable dasher is of sufficient length, so that when its dasher rests upon the lower dasher the upper end thereof will be sufficiently above the top of the lever to allow the clasp *i* to pass over it, and so that the eccentric *j* shall press against it and hold it to its place.

The clasp *i* is made of tin, sheet iron, or any other metal, and of such dimensions so that the standards of the two dashers will pass closely through the same, and so as to admit the eccentric *j* to be affixed in the end thereof next to the standard of the adjustable dasher.

The eccentric *j* is affixed in one end of the clasp *i*, and so as, when turned toward the standard *c* of the adjustable dasher to press against it and hold it in any position in which it may be placed.

The lever *d* is made in the ordinary form and of the ordinary length, and the standards of both of the dashers are passed through it, and the standard of the lower dasher is fastened thereto by a pin passing through the same and through said lever in the ordinary manner.

The standard *e* may be made of wood or metal, but must be of sufficient strength so as to support and hold in position the outer end of the lever when the same is in operation. It is made with wings or thin side pieces, *g g*, Fig. 3, which slide into flanges formed on the standard-support *l*, so as to hold said standard firmly and steadily in its place.

The standard-support *l* is made of cast-iron or other metal, and is fastened to the outside of the churn by screws, or in any other manner, so as firmly to attach the same thereto. Upon the sides or at the corners thereof flanges are turned, to receive the wings or side pieces

of said standard *e*, and to hold it firmly in place. Near the lower end of this support a hook is inserted or cast thereon to hold the lower end of the spiral spring, as hereinafter described.

To the outer end of the lever is rigidly fixed an attachment, *h*, the lower part whereof is nearly semicircular in form, having four like appendages on each side, made as parts thereof, upon which the upper end of the spiral spring is hung when the churn is operated. This attachment *h* is made from one to two inches in width between the extremities of the two horns, so as to vary the extent to which the spiral spring will be drawn when the lever is operated, thereby varying the extent of force required to bring the hand end of the lever down in churning.

This spiral spring is used to assist in raising the dashers. One end of this spring is attached to a hook formed on or passed through the lower end of the clasp or support for the standard *e*, and the other end is hung upon one of the horns of the attachment *h*, which is pendent from the outer end of the lever, so that when that end of the lever is moved upward the force of the spring will draw upon the lever support or standard *e*, and thus prevent the displacement thereof when that end of the lever is raised.

Having thus fully described my invention,

and the mode of operation, and the effect thereof, what I claim as my invention, and wish to secure by Letters Patent, is—

1. Affixing the adjustable dasher firmly to its own standard, which is separate from the standard which supports the lower dasher, substantially as and for the purpose described.

2. Fastening the standards of the two dashers together by a fastening located above the top of the churn, substantially as and for the purpose described.

3. Providing a removable standard for the support of the outer end of the lever, substantially as described.

4. So arranging and attaching the spiral spring as that it will hold the standard which supports the outer end of the lever in place, substantially as described.

5. The combination of the spiral spring with the attachment *h*, when said attachment is so formed and arranged as to allow the operator to vary the position of the upper end of said spring at pleasure, and thereby to increase or diminish the length of the lever by which said spring is drawn out, substantially as and for the purpose described.

HENRY P. WESTCOTT.

Witnesses:

D. WRIGHT,
F. G. DAY.