H. C. SPERRY.

RECIPROCATING-CHURN.

No. 191,726. Patented June 5, 1877.

Fig. 1.

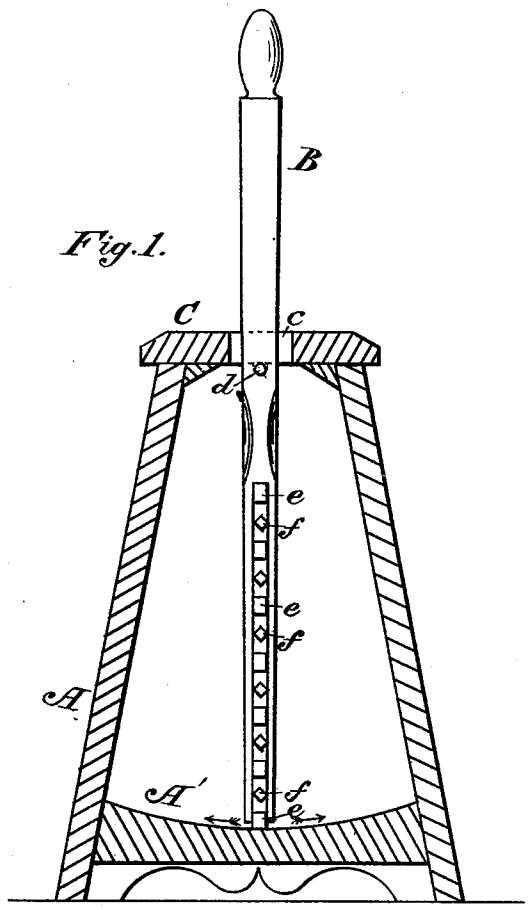
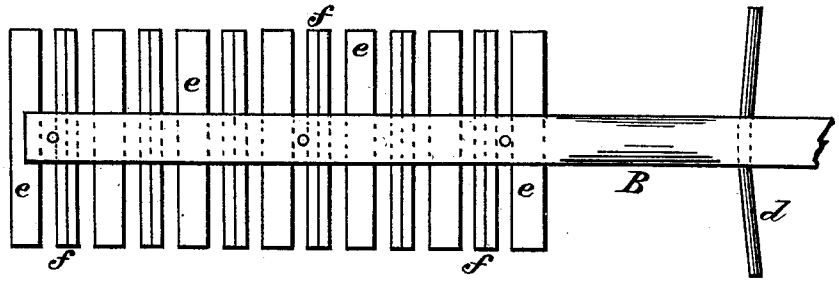


Fig. 2.



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UNITED STATES PATENT OFFICE.

HENRY C. SPERRY, OF SHELDON, IOWA, ASSIGNOR TO CHARLES F. BUTTERFIELD, WILLIAM C. BUTTERFIELD, AND CHARLES S. STEWART.

IMPROVEMENT IN RECIPROCATING CHURNS.

Specification forming part of Letters Patent No. **191,726**, dated June 5, 1877; application filed April 12, 1877.

To all whom it may concern:

Be it known that I, HENRY C. SPERRY, of Sheldon, in the county of O'Brien and State of Iowa, have invented certain new and useful Improvements in Churns; and I do hereby declare that the following is a full, clear, and exact description thereof, 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, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a vertical section of my improved churn, and Fig. 2 is a side view of the dasher.

Corresponding parts in the two figures are denoted by like letters.

This invention relates to a certain improvement in churns; and it consists of the construction of the dasher—*i. e.*, a staff having two alternating series of paddles, one of a rectangular and the other of a diamond shape, disposed one above and edgewise with the other, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to a closed or covered receptacle, preferably conical in form, the bottom of which is concaved to conform to the movement of the dasher, to enable the latter to reach the lowest strata of the cream, and thus assist the operation of churning. B is the dasher-staff, suitably shaped upon its external portion for convenience in operating, passing through an orifice, *c*, in the cover C, and hung in the receptacle A upon an axis, *d*, and reaching down in contact or very close proximity with the bottom thereof. The staff B is provided with two alternating series of paddles, *e e f f*, one rectangular and the other diamond-shape, disposed one above and edgewise with the other. The object of this construction and arrangement is to cut the butter as it thickens and to lessen the splashing of the particles, &c.

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

The dasher consisting of the staff B, having two alternating series of paddles, *e e f f*, one rectangular and the other diamond-shape, disposed one above and edgewise with the other, substantially as and for the purpose set forth.

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

HENRY C. SPERRY.

Witnesses:

GEO. L. MCKAY,

F. N. DERBY.