

G. S. Perrier,

Churn.

No. 113032.

Patented Mar. 28. 1871.

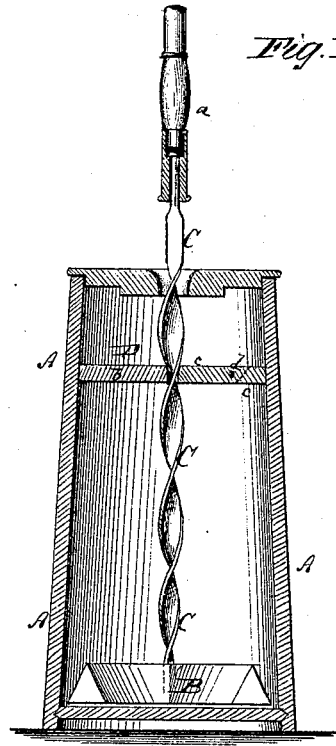
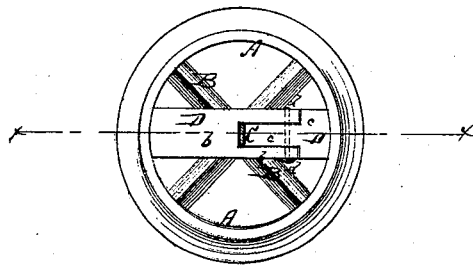


Fig. 2.



Witnesses:

John Beecher
Wm H. C. Smith.

Inventor:

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PER

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United States Patent Office.

GEORGE S. PERFATER, OF CAMP POINT, ILLINOIS.

Letters Patent No. 113,089, dated March 28, 1871.

IMPROVEMENT IN CHURNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE S. PERFATER, of Camp Point, in the county of Adams and State of Illinois, have invented a new and useful Improvement 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 make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a vertical central section of my improved churn, *x x*, fig. 2, being the section line.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to improvements in churns of that kind in which a twisted dasher-rod is employed, the vertical movement of which in a narrow slotted guide will produce rotation of the dasher.

My invention consists in a new construction of guide, which is made jointed, so that the rod can readily be fitted through the same, and which is made independent of the churn, and not rigidly connected with it. The application of my improvement to all churns is thereby made possible, and the ready removal and reinsertion of the dasher and rod from the churn greatly facilitated.

A in the drawing represents a churn-body of suitable kind.

B is the churn-dasher, made in the shape of a cross, from two pieces of wood, or of other suitable form.

C is the dasher-rod, to which the dasher is rigidly affixed.

The rod is made of flat metal, twisted, as shown, and is swiveled in its round handle, *a*, so that it can revolve in the same.

The rod C passes through a guide, D, which is, as a cross-piece, applied to the upper part of the churn. This guide contains a narrow slot large enough to admit the rod. As the latter is moved up and down by hand it will be revolved in and by the guide and the dasher will turn with it.

The guide is made of two pieces, *b* and *c*.

The piece *b* is forked or V-shaped, while the piece *c* is T-shaped, as shown in fig. 2.

The forked ends of the piece *b* are beveled, and so are the abutting shoulders of the piece *c*, as indicated by dotted lines in fig. 1.

A pivot-pin, *d*, passing through the parts *b c*, as in fig. 2, unites them, allowing them, however, to be swung in one direction, the beveled shoulders preventing such movement in the other direction.

When the piece *c* is swung to be nearly at a right angle to the main piece *b*, a large opening is formed in place of the narrow guide-slot, so that the handle *a* can pass through it.

The piece D is merely crowded into the churn, and can be removed at will. This makes all parts detachable, and permits the application of the same guide and dasher-rod to different churns.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The jointed guide D, composed of the parts *b c*, and combined with the twisted dasher-rod C, substantially as herein shown and described.

GEORGE S. PERFATER.

Witnesses:

THOS. BAILEY,

PRINCE A. SAWYER.