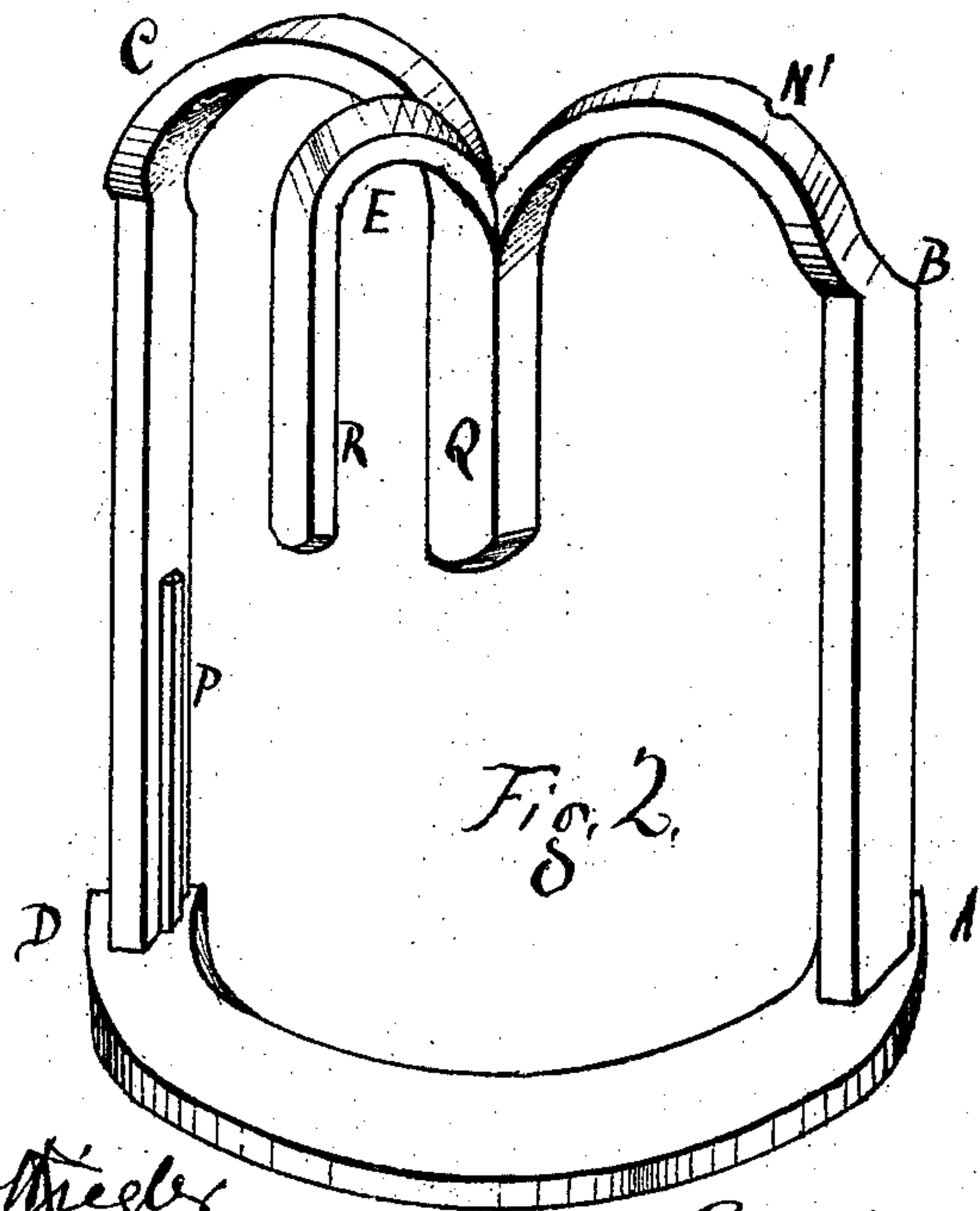
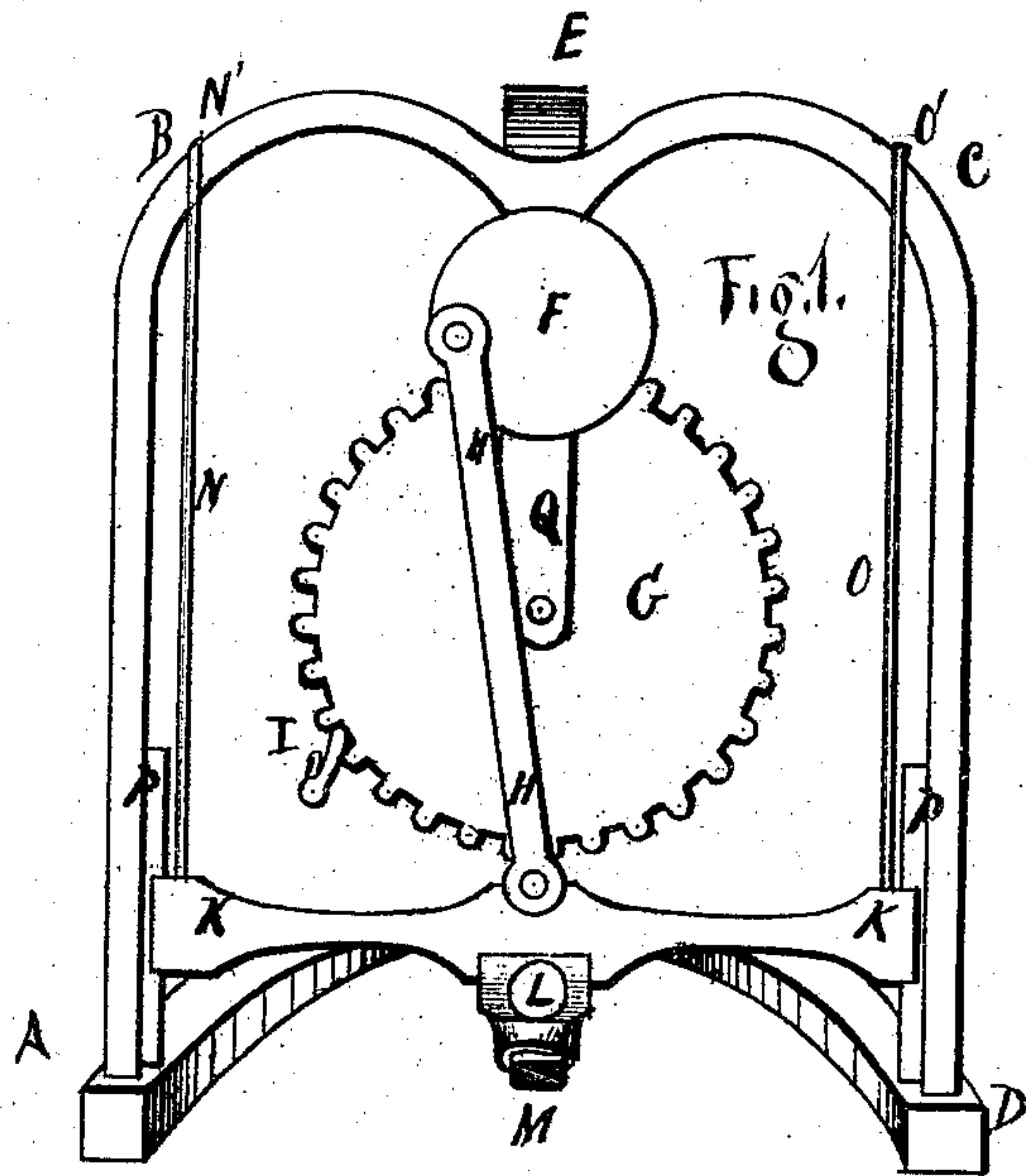


R. T. McCormick,

Churn.

No. 106,599.

Patented Aug. 23. 1870.



*Attest
Geo. Fiedler
John Root*

*Riley T. McCormick
Inventor*

United States Patent Office.

RILEY T. McCORMICK, OF GREENCASTLE JUNCTION, INDIANA.

Letters Patent No. 106,599, dated August 23, 1870.

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, RILEY T. McCORMICK, of Greencastle Junction, in the county of Putnam and in the State of Indiana, have invented an Improved Churn; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters and figures of reference marked thereon.

The nature of the invention consists in the construction and arrangement of the device hereinafter described, said device to be made of iron or any other convenient and suitable material.

To enable others skilled in the art to make and use my said invention, I proceed to describe it more particularly, as follows, viz:

A B C D, of Figures 1 and 2, is the metallic frame, in which the machinery of the device is fastened.

G is a master wheel, driven by the winch I, which gears into a pinion behind the wrist-wheel F by which F is driven.

H is a pitman, which, being attached to the wrist of F, communicates a vertical reciprocating rectilinear motion to the cross-head K running in the guides P and P'.

To prevent the cross-head K from oscillating as it moves up and down, the guides N and O are arranged to run in the notches N' and O'.

The cross-head K is also provided with a socket, L, and set-screw M, to hold the dasher of the churn.

The frame A B C D E P Q R, as represented in fig. 2, is cast in one piece, in green sand, thereby doing away with the expense of coring, fitting, and

fastening its various parts together, and making it a cheap article of manufacture.

To use my said invention, the semicircular base A D is fastened by any convenient device to the top of an ordinary dash-churn, so that the socket L will be directly over the dash-hole in the lid.

The dash is fastened in the socket L by means of the set-screw M.

Then, when the machine is operated, by turning the winch I with the hand, the reciprocating motion of the cross-head K will produce the same motion in the dash as the hand does in ordinary churning, and, by reason of its greater rapidity of motion, butter will be produced much quicker than by ordinary hand churning.

What I claim, and desire to secure by Letters Patent, is—

1. The metal frame A B C D E P Q R, herein described, when constructed and arranged substantially as set forth.

2. The combination and arrangement of the frame A B C D E P Q R, the winch I, the master-wheel G, the pinion into which it gears, the wrist-wheel F, the pitman H, and the cross-head K, substantially as set forth.

In testimony that I claim the foregoing specification I have hereunto set my hand this 6th day of April, 1870.

RILEY T. McCORMICK.

Witnesses:

GEO. H. ZIEGLER,
JOHN COOK.