Ormsby & Harton,

Churn.

No. 104,191. Patented June 14, 1870

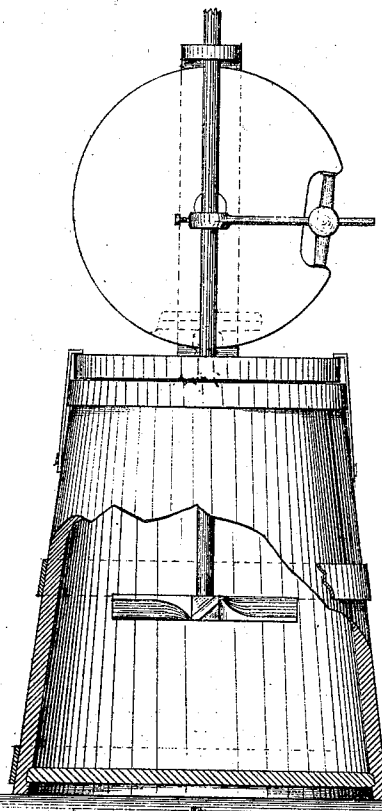

Fig. 1.

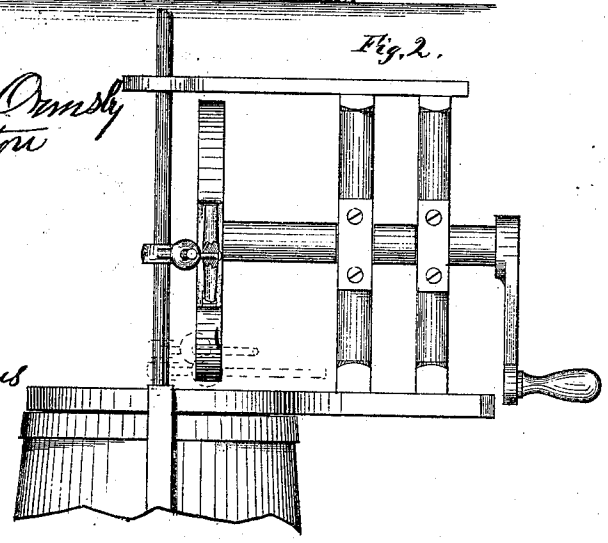

Fig. 2.

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JOHN H. ORMSBY AND ROBERT S. HARTON, OF HOLDEN, MISSOURI.

Letters Patent No. 104,191, *dated June* 14, 1870.

IMPROVEMENT IN CHURNS.

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

We, JOHN H. ORMSBY and ROBERT S. HARTON, of Holden, in the county of Johnson and State of Missouri, have invented certain Improvements in Churns, of which the following is a specification.

Nature and Objects of the Invention.

Our invention relates to the combination of a reciprocating rod with a wheel, in such a manner that the circular motion of said wheel shall give to said rod both a vertical and horizontal reciprocating motion.

The object of this invention is to form a new and useful device for churning.

Description of the Accompanying Drawing.

Figure 1 is a front elevation of said wheel and rod.

Figure 2 is a side elevation of the same.

General Description.

A is a rod, to be supported by two bearings, not shown in the drawing.

B is a wheel or disk of wood.

E is a shaft, upon which said wheel or disk is fastened, and the motive-power is to be supplied to said machine by means of a crank affixed to the shaft E.

K is a metal cylinder, supported at each end in sockets or on pivots, as shown at *r r*.

N is a swivel-ball passing through said cylinder K, and secured to it in such a manner as to permit its rotating in said cylinder K.

Said swivel-ball N is perforated with a hole, through which the bar T can slide freely.

T is a bar encircling the rod A, and clamped fast to it by the screw V.

Upon the application to the shaft E of the motive-power produced by the crank, the swivel-ball N, the cylinder K, and the rod T will cause the vertical horizontal and reciprocating movement to be communicated to the rod A.

Claim.

We claim as our invention—

The combination of the reciprocating rod A with the wheel or disk B, the swivel-ball N, the cylinder K, and the rod T, combined so as to produce the vertical and horizontal movement, substantially as and for the purpose hereinbefore set forth.

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