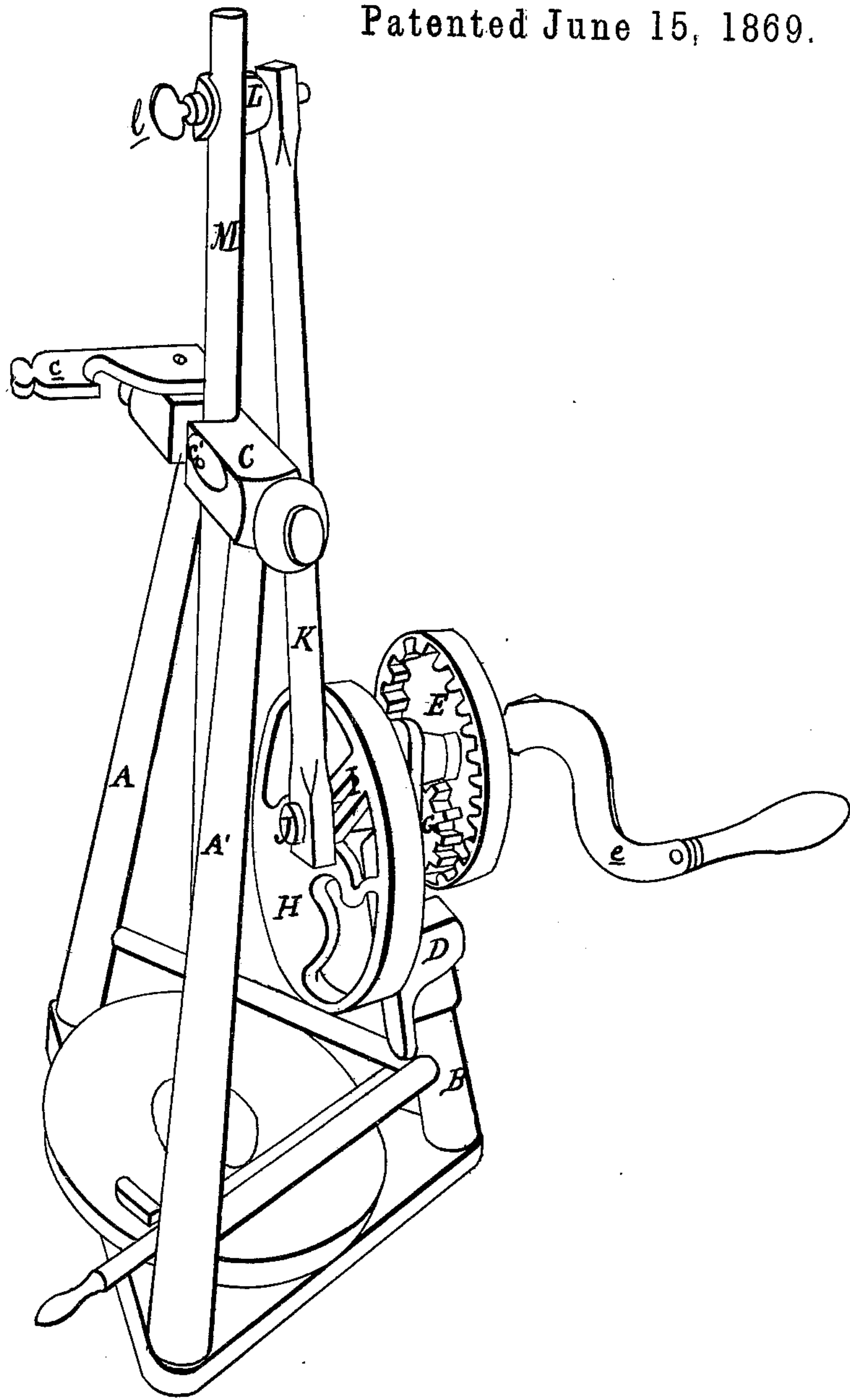


D McCURDY.
CHURN POWER.

No. 91,467.

Patented June 15, 1869.



Witnesses:

W. F. Eberly
Jas. I. Day.

Inventor.

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DAVID McCURDY, OF OTTAWA, OHIO.

Letters Patent No. 91,467, dated June 15, 1869.

IMPROVEMENT IN CHURN-POWER.

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

To whom it may concern:

Be it known that I, DAVID McCURDY, of Ottawa, in the county of Putnam, and State of Ohio, have invented a new and useful Improvement in Churn-Power; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to an improved method of connecting the reciprocating dash-rod of a churn with the rotary power from which it receives motion.

In the drawings—

A, A', and B represent the legs of a tripod, in which a churn is secured by a lever, clamp, or other appropriate device.

The legs A A' are connected at the top by a cross-tie, C, over the centre of the churn, while the leg B, extending a little above the top of the churn, has secured to it a metallic standard, D, on a horizontal arm projecting therefrom.

An internally-gear wheel, E, is rotated by a hand-crank, e, which wheel also rotates a pinion, G, secured to a shaft, rotating in proper bearings in the standard.

On the opposite end of this shaft is secured a balance-wheel, H, one of whose arms is slotted, as at I. In this slot is secured an adjustable wrist-pin, J, pivoted in the lower end of the connecting-rod K.

Pivoted in the upper end of the connecting-rod is a clip, L, in which the dash-rod M enters, and is secured by a thumb-screw, l, in the clip, forcing it against one side of the same.

The cross-tie C is recessed directly over the centre of the churn, to form a guide for the dash-rod in its reciprocating movement.

c is a notched latch pivoted to the cross-tie, embracing the dash-rod, and held in place by a button, c'.

The length of the stroke of the dash-rod is adjusted by moving the wrist-pin J in the slot I.

The depth to which the dasher descends into the churn is regulated by attaching and securing the clip at the proper point on the dash-rod.

It will be readily seen that all the parts are easily detached, to permit the removal of the churn from the tripod, by throwing out the latch from the cross-tie, and a few turns of the thumb-screw l, to permit the dash-rod to be withdrawn from the semicircular recess in the clip.

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

In churn-powers, the combination of the semicircular recessed clip L, provided with a thumb-screw, l, with the connecting-rod K, wrist J, slotted balance-wheel H, pinion G, internally-gear wheel E, crank e', standard D, tripod A, A', and B, cross-tie C, notched latch c, button c', and dash-rod M, when constructed, arranged, and operating as herein described, and for the purpose specified.

DAVID McCURDY.

Witnesses:

DEY PUGH,
J. R. LINN.