

I. S. Coolman.

Churn.

N^o 88,629.

Patented Apr. 6, 1869.

Fig. 1.

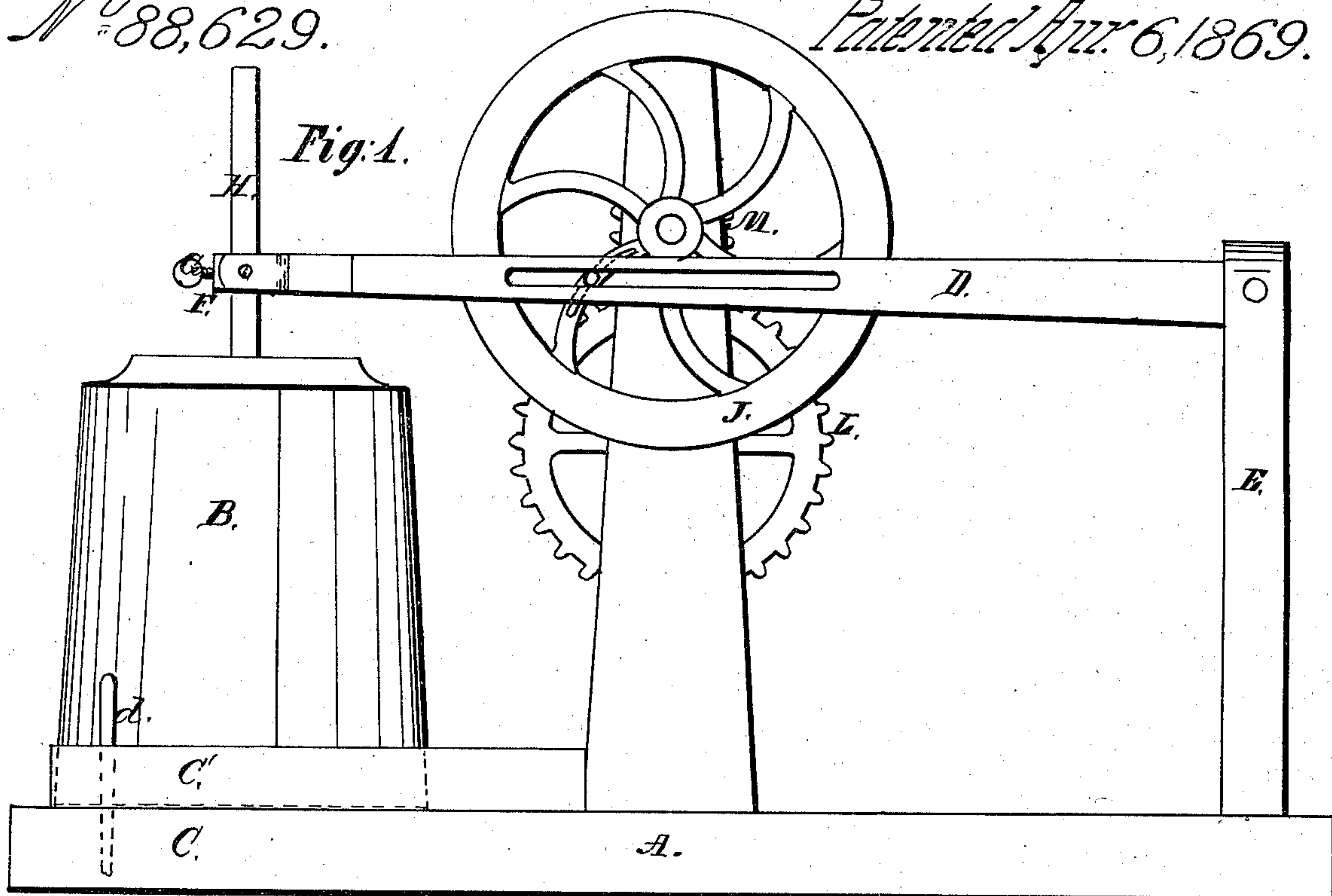
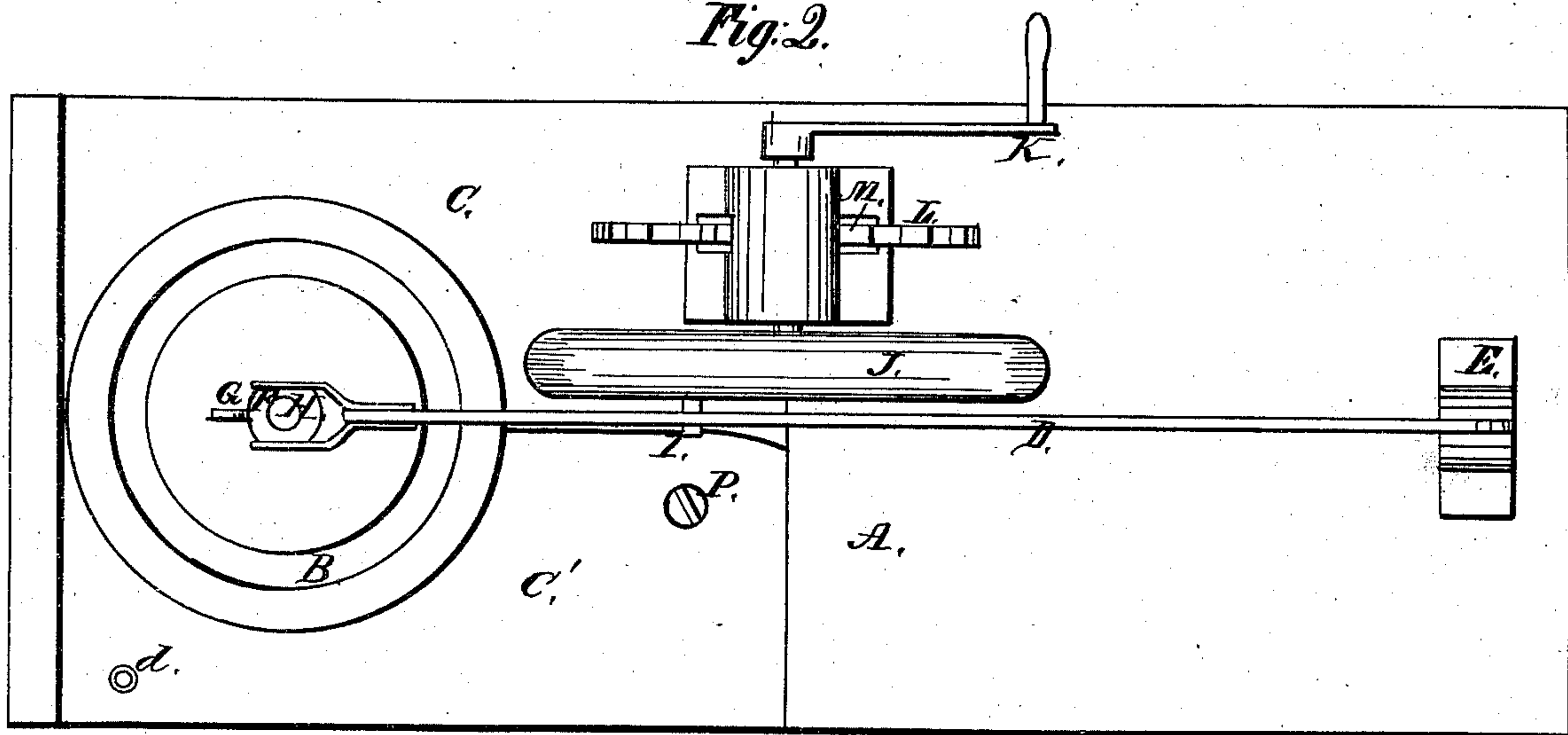


Fig. 2.



Witnesses.

V. F. Mayhew.
Clark C. Brandell.

Inventor.

Isaac S. Coolman.

United States Patent Office.

ISAAC S. GOOLMAN, OF MONROVIA, INDIANA.

Letters Patent No. 88,629, dated April 6, 1869.

IMPROVEMENT IN CHURN-POWER.

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, ISAAC S. GOOLMAN, of Monrovia, in the county of Morgan, and State of Indiana, have invented a new and improved Churn-Power; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable skilled artisans to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making part of this specification.

My invention relates to the mechanism by which to actuate the churn-dasher, and consists in arranging it so that the movement of the dasher may be readily adapted to the quantity of cream to be churned, and to the device for holding the churn to the stand or base upon which it and the actuating-mechanism are mounted, the whole being designed to facilitate and expedite the operation and lessen the labor of churning.

Figure 1 is a side view, and

Figure 2, a top view of the churn and actuating-mechanism.

Similar letters of reference indicate like parts in the several figures.

A is the stand, or base, to which all the other parts are attached, and upon which the churn stands.

The mechanism for actuating the churn consists in the slotted lever D, which is pivoted, at one end, in the upright E, and furnished, at the other end, with a swivel-socket, F, and set-screw, G, to attach to the

handle H of the churn-dasher, to which a vertical reciprocating motion is given by means of a wrist-pin, I, working in the slot of lever D, and which is fixed in one of the arms of the balance-wheel J.

Rotary motion is given to balance-wheel J by means of the crank K and cog-wheels L M.

The arm of the balance-wheel, in which the wrist-pin I is fixed, is slotted, as shown, so that the wrist-pin may be set at any desired distance from the centre, and, in connection with the arrangement for setting the dasher-handle in the swivel-socket F, I am enabled to adapt the movement of the dasher to the quantity of cream, the advantage of which will be readily understood.

The churn B is secured to the base A by means of the clamps C C', the piece C being fixed to the base, and the piece C' pivoted at P, so that it may be opened. These clamp-pieces are made one or two inches thick, each piece having a semicircular cut made to fit the churn, which is clamped therein, as shown, the pivoted piece C' being held in position by a pin, d.

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

The arrangement of the slotted lever D, adjustable wrist-pin I, swivel-socket F, set-screw G, in combination with the clamps C C', substantially as set forth.

ISAAC S. GOOLMAN.

Witnesses:

JAS. H. MCCLUER,
HENRY D. GOOLMAN.