

Z. T. PARKER.
Churn-Power.

No. 224,602.

Patented Feb. 17, 1880.

Fig. 1.

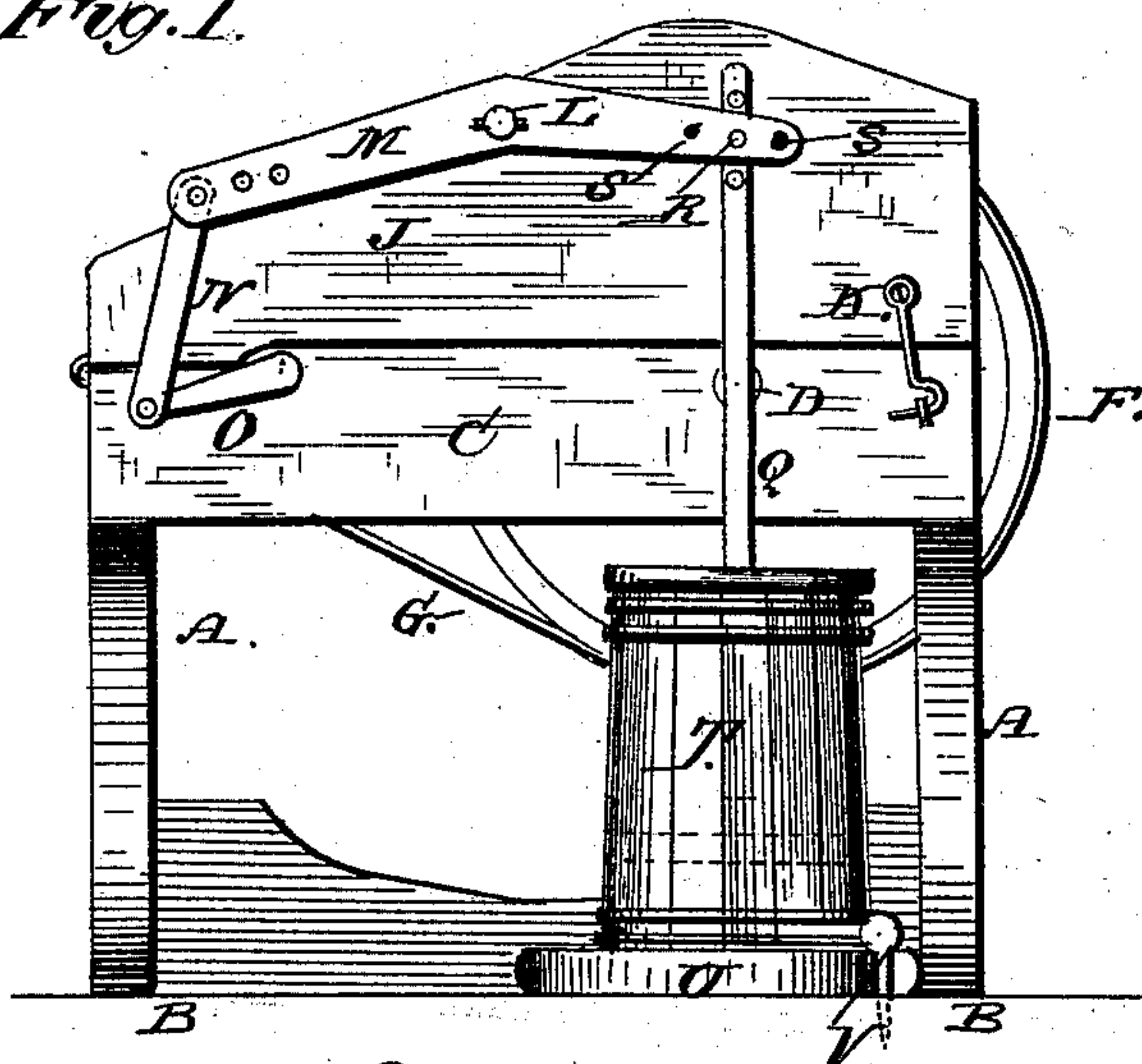


Fig. 2.

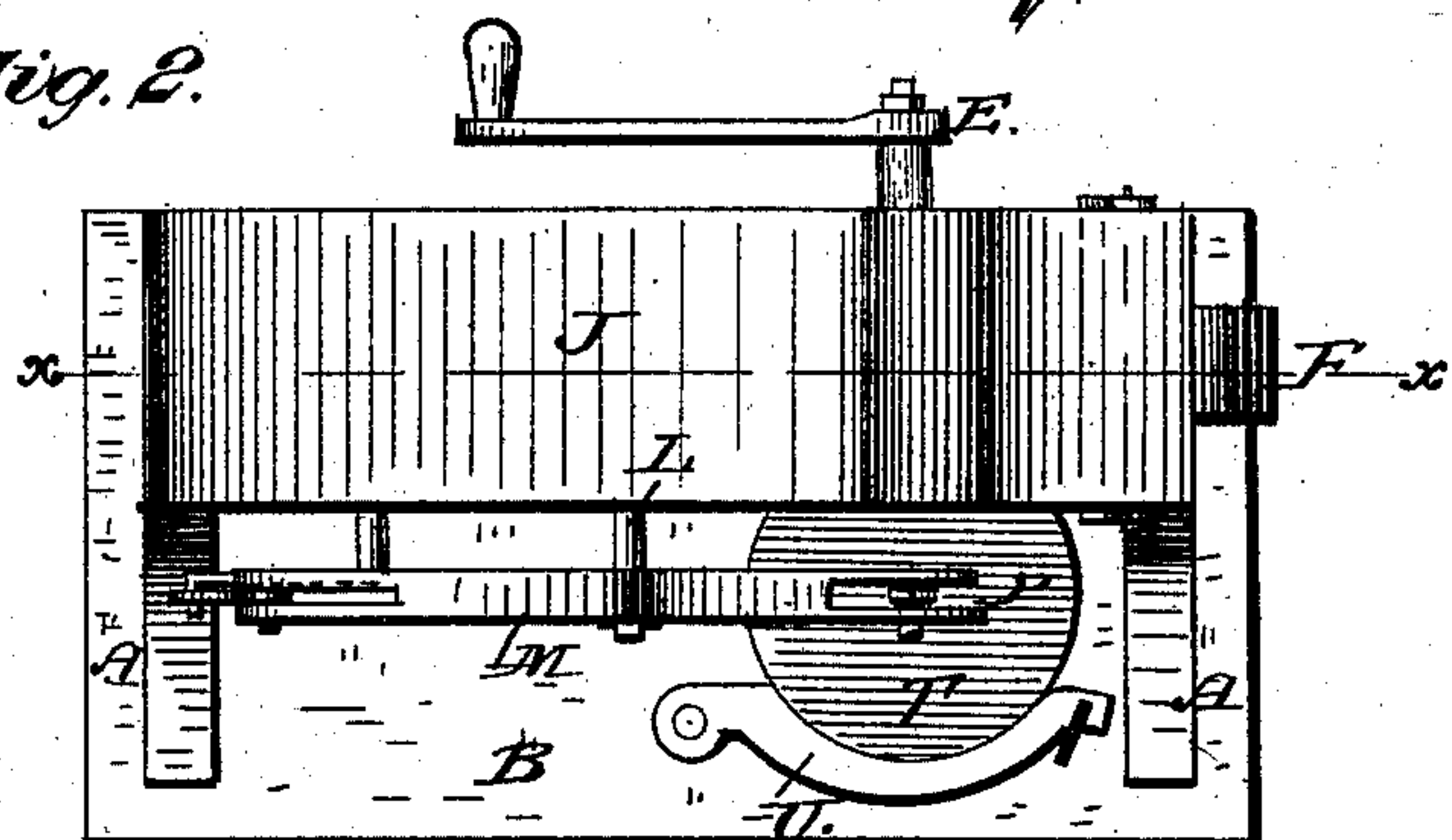
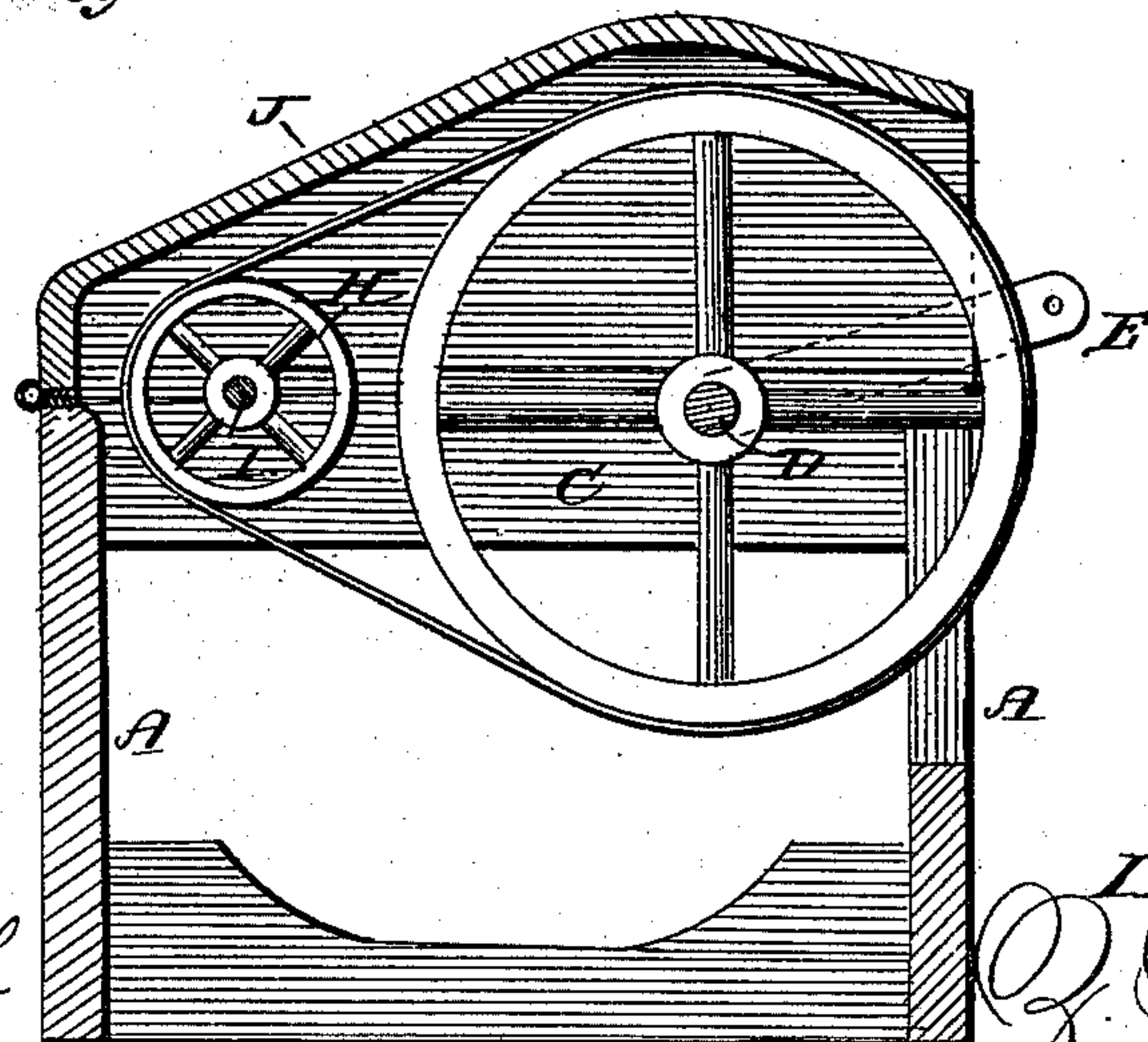


Fig. 3.



Witnesses:
Fred. G. Dietrich
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UNITED STATES PATENT OFFICE.

ZACHARIAH T. PARKER, OF NEVADA, MISSOURI.

CHURN-POWER.

SPECIFICATION forming part of Letters Patent No. 224,602, dated February 17, 1880.

Application filed December 17, 1879.

To all whom it may concern:

Be it known that I, ZACHARIAH T. PARKER, of Nevada, in the county of Vernon and State of Missouri, have invented certain new and useful Improvements in Churn-Powers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a side view. Fig. 2 is a top view; and Fig. 3 is a sectional view on the line *x x*, Fig. 2.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved churn-operating mechanism; the construction of which will be hereinafter more fully described, and particularly pointed out in the claim.

In the annexed drawings, A A represent two uprights, fixed in a base, B, and supporting cross-pieces C C, in which bearings are formed for the main operating-shaft D. The latter is provided with a crank, E, and a drive-wheel, F, from which motion is communicated through a belt, G, to a drum or pulley, H, upon a shaft, I, having its bearings in the cross-pieces C C, near the front end of the latter.

J is a cover, hinged to the front ends of the cross-pieces C C, and secured to the latter by hooks K K. The said cover is provided with a spindle, L, upon which is journaled a lever, M, the front end of which is connected by a pitman, N, with a crank, O, upon shaft I. The rear end of lever M is provided with a vertical slot or mortise, P, to receive the upper end of the dasher-staff Q, which is secured in said mortise by a transverse pin, R, adjusted in one of a series of perforations, S S.

The churn T rests upon the base B, and is secured by a pivoted clamp, U, which is made adjustable by a pin, V, fitting in one of a series of perforations in the base B.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of my invention will be readily understood.

When the churning is completed the pin R is removed, thus enabling the cover carrying the operating mechanism to be thrown back, thereby enabling the cover and churn-dasher to be readily removed.

I am aware of the patent to Appleton, No. 21,176, August 17, 1858, in which a somewhat similar arrangement of levers is shown. This, therefore, I do not claim. In my invention, by raising the hinged cover the entire operating mechanism may be thrown out of the way of the churn, which is, therefore, easily accessible. The said cover also protects the band-wheels and belt from displacement and injury.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The herein-described improved churn-operating mechanism, consisting of the base B, having uprights A A, cross-pieces C C, crank-shafts D E I O, hinged cover J, having lever M, pitman N, and belt G, all combined, arranged, and operating substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ZACHARIAH T. PARKER.

Witnesses:

JONATHAN R. SUMNER,
JOHIEL H. RINEHART.