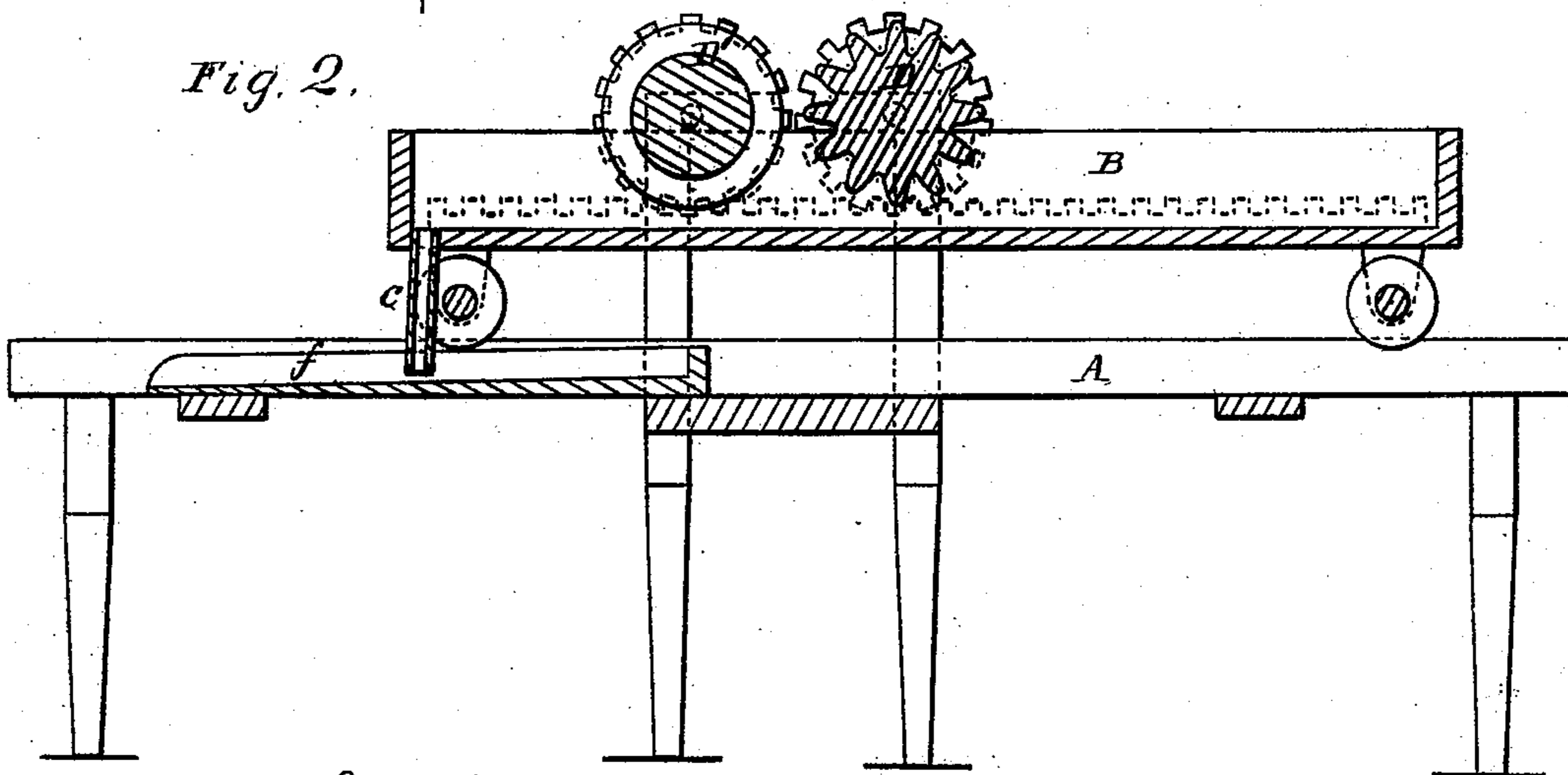
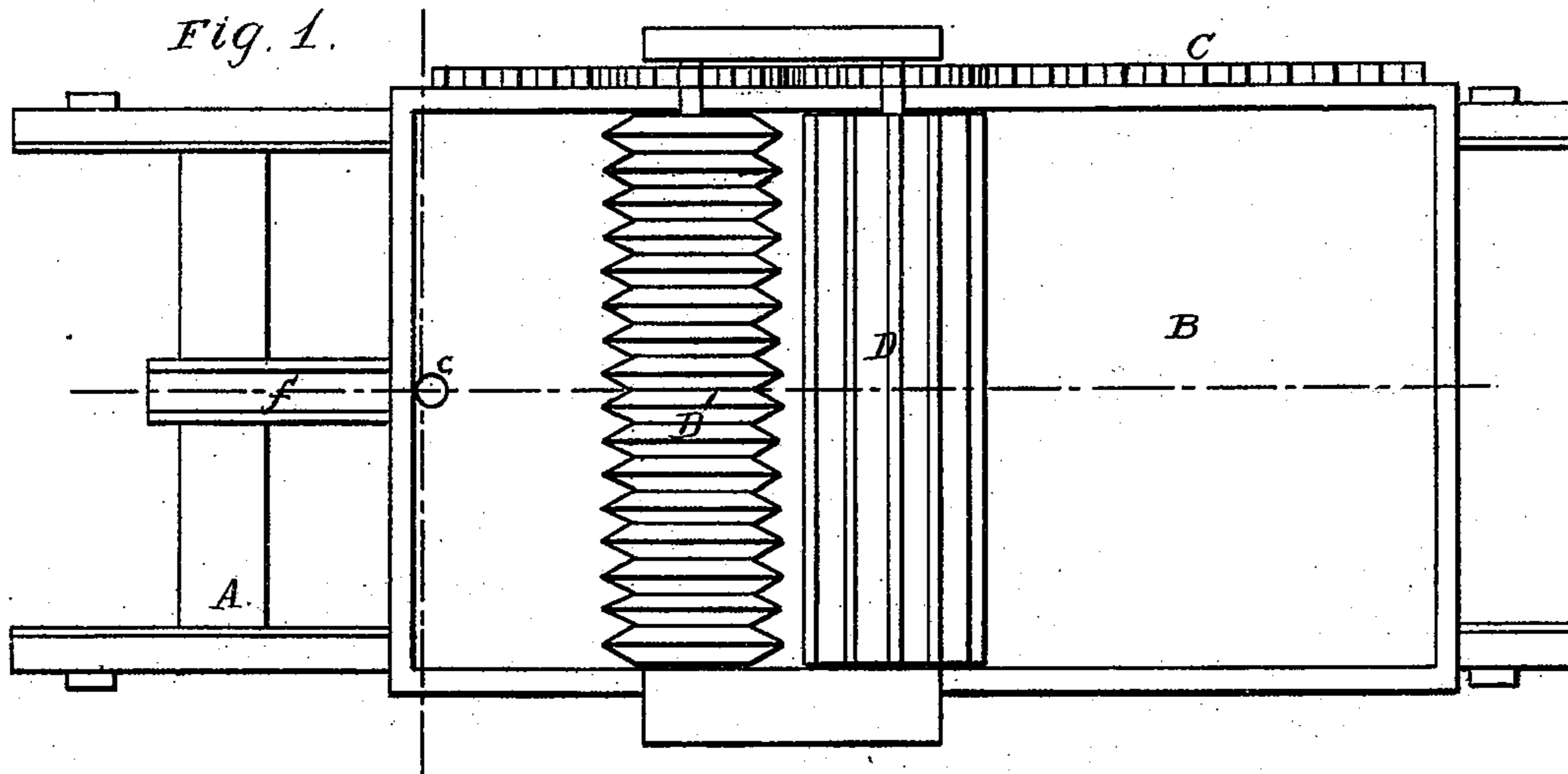


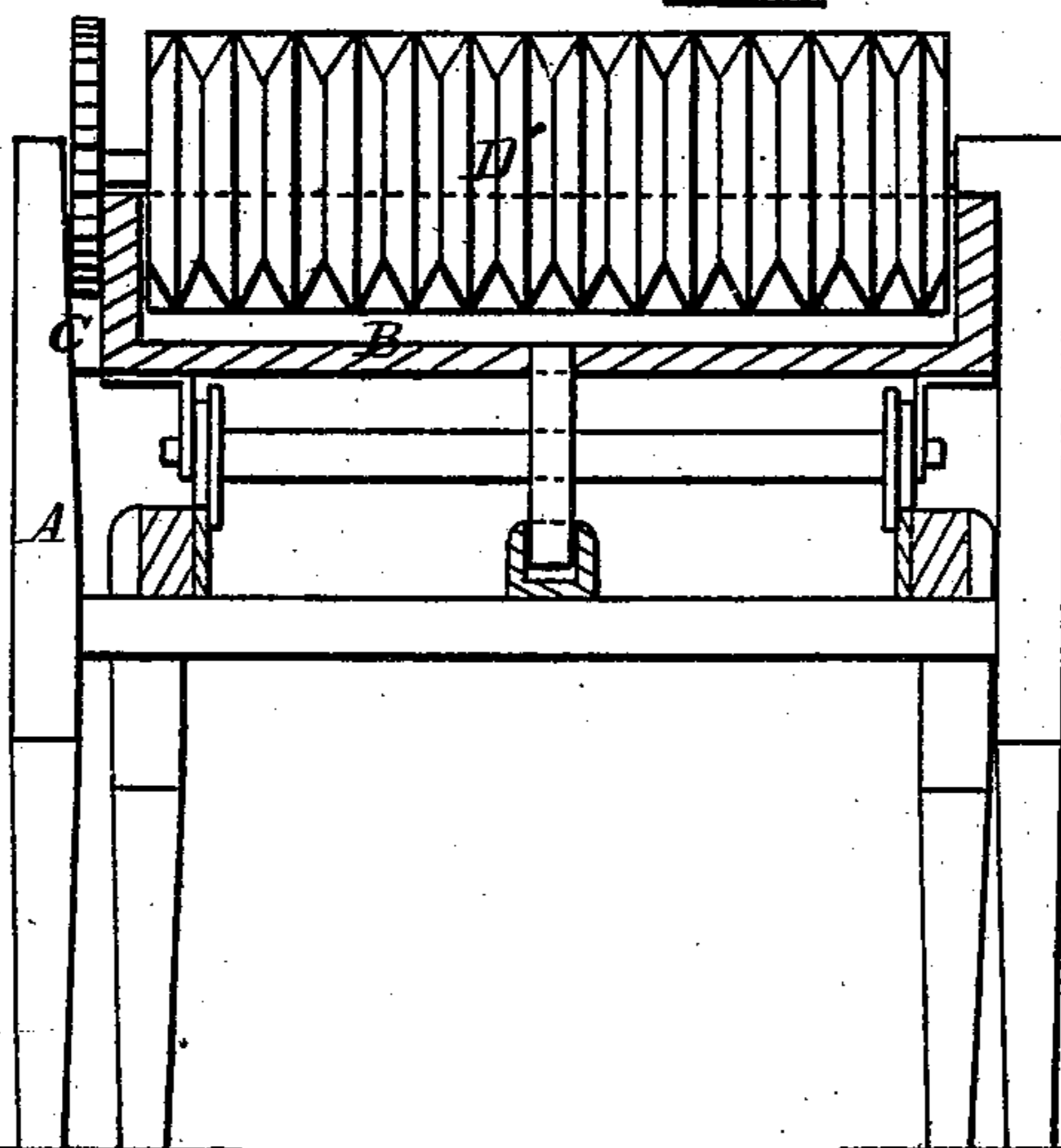
E. M. PIKE.  
BUTTER-WORKER.

No. 179,053.

Patented June 20, 1876.



*Fig. 3.*



WITNESSES  
*Mary S. Water.*  
*Geo. C. Updell.*

INVENTOR  
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ATTORNEYS

# UNITED STATES PATENT OFFICE.

EMERY M. PIKE, OF McDONOUGH, NEW YORK.

## IMPROVEMENT IN BUTTER-WORKERS.

Specification forming part of Letters Patent No. **179,053**, dated June 20, 1876; application filed April 24, 1875.

*To all whom it may concern:*

Be it known that I, EMERY M. PIKE, of McDonough, in the county of Chenango and State of New York, have invented a new and valuable Improvement in Butter-Workers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my butter-worker, and Fig. 2 is a longitudinal vertical sectional view of the same. Fig. 3 is a transverse vertical sectional view.

My invention has relation to butter-workers; and consists in certain improvements therein, as hereinafter more fully set forth.

A of the drawings represents a frame, supported upon legs of unequal length, so as to provide for arranging the tank in an inclined position, as shown. Upon this frame I arrange the working-tank B upon wheels, in such manner that it may be moved back and forth with great ease. Upon one side of tank B I affix a ratchet-bar, C, to aid in operating the working-rollers within the tank. The letters D D' represent my working-rollers. One end of these rollers, respectively, has a journal extending into bearings in the extended part of the frame, while their opposite ends are provided with pinions, the cogs of which engage with the ratchet-teeth of bar C. Roller D is longitudinally and roller D' transversely corrugated. It will readily be seen that by

this arrangement the rollers D are made to revolve as the tank is moved either forward or backward. I usually construct these rollers with flutings or corrugations, as above described; but they may be constructed with their corrugations interlocking—that is to say, they may be in each roller cut in their length, or transverse thereto, as I may elect. The letter *c* represents an eduction-pipe, arranged in the depressed end of the tank B, and *f* is a gutter attached to the frame A, of such a length that during the reciprocation of the tank the eduction-pipe *c* shall always be over the gutter. The object of these last-named devices is to provide means for the exit of buttermilk while the working process is carried on.

It will be observed that the educt *c* leads into the gutter, and moves therein as the tank is operated. It follows that the fluid will pass into the gutter without regard to the position of the tank in its movements back and forth.

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

The frame A, having a trough or gutter, *f*, in combination with a reciprocating tank having an eduction-pipe, *c*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EMERY M. PIKE.

Witnesses:

MILO V. CARR,  
LEVI SANFORD.