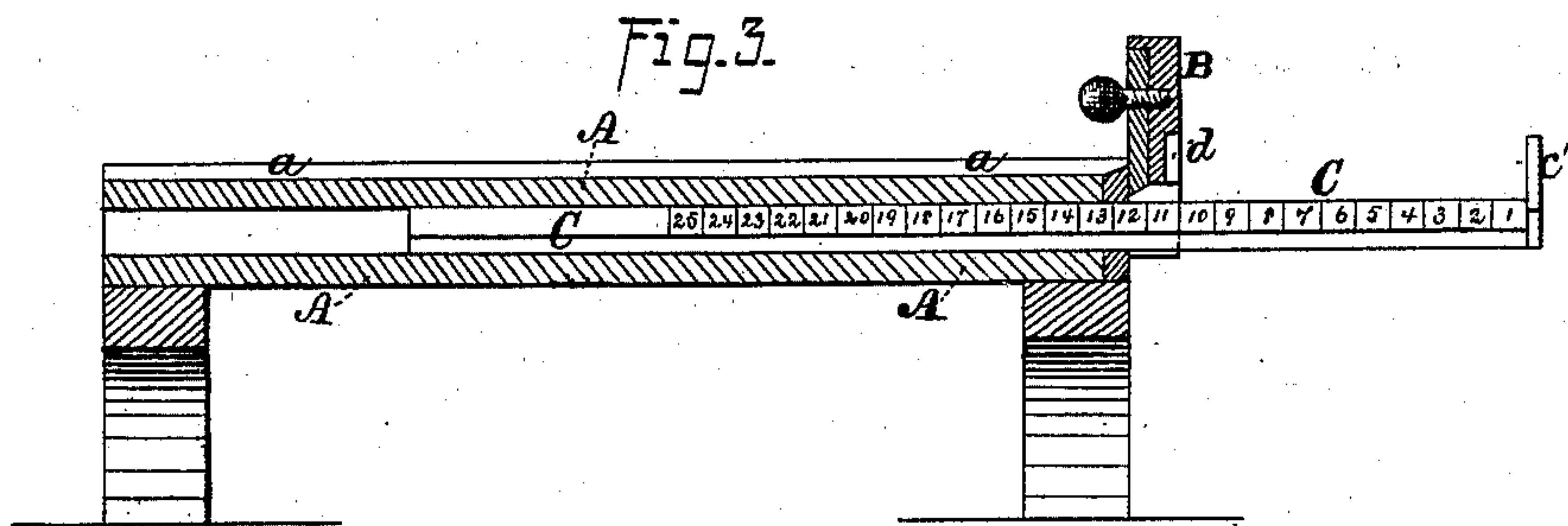
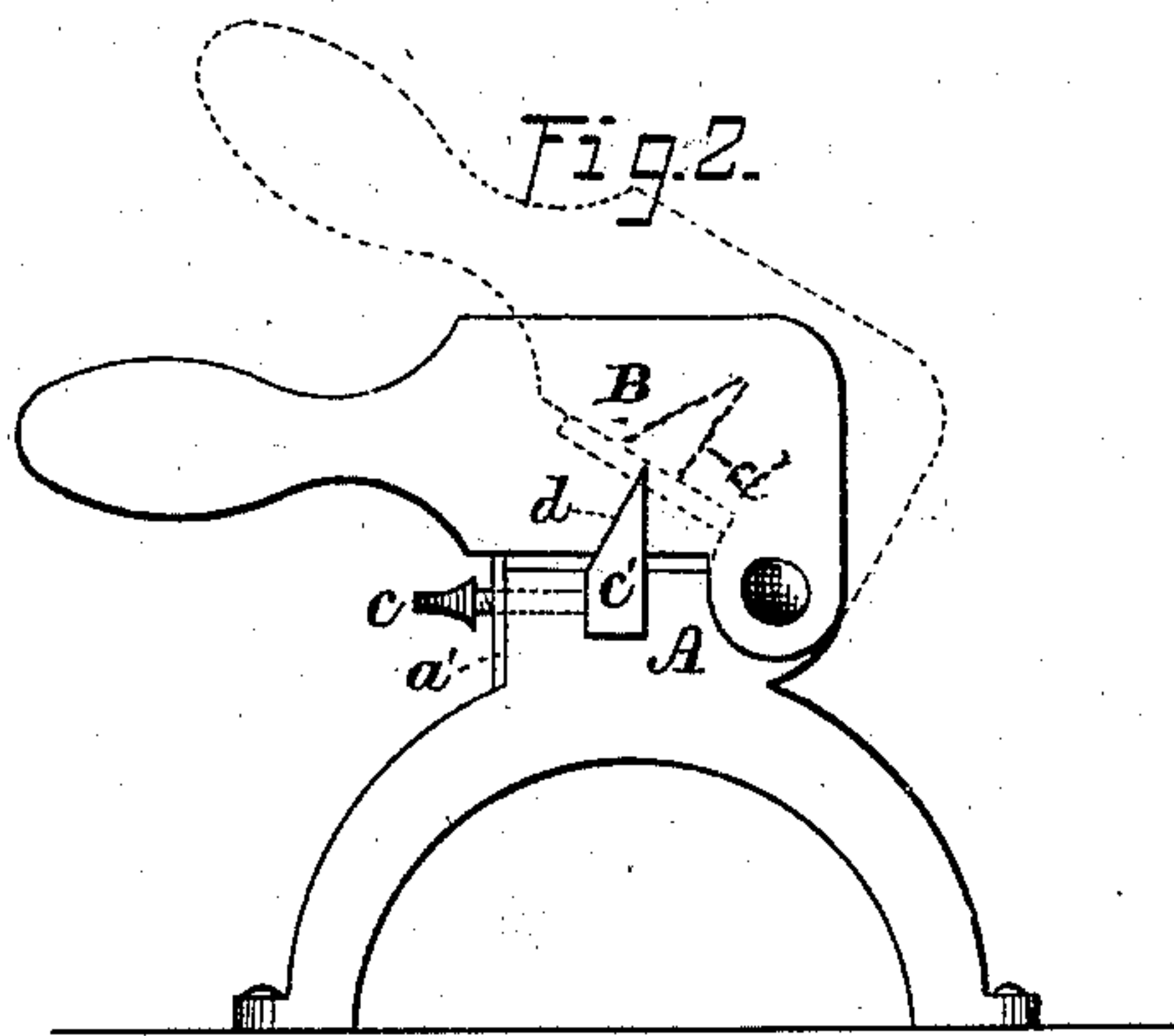
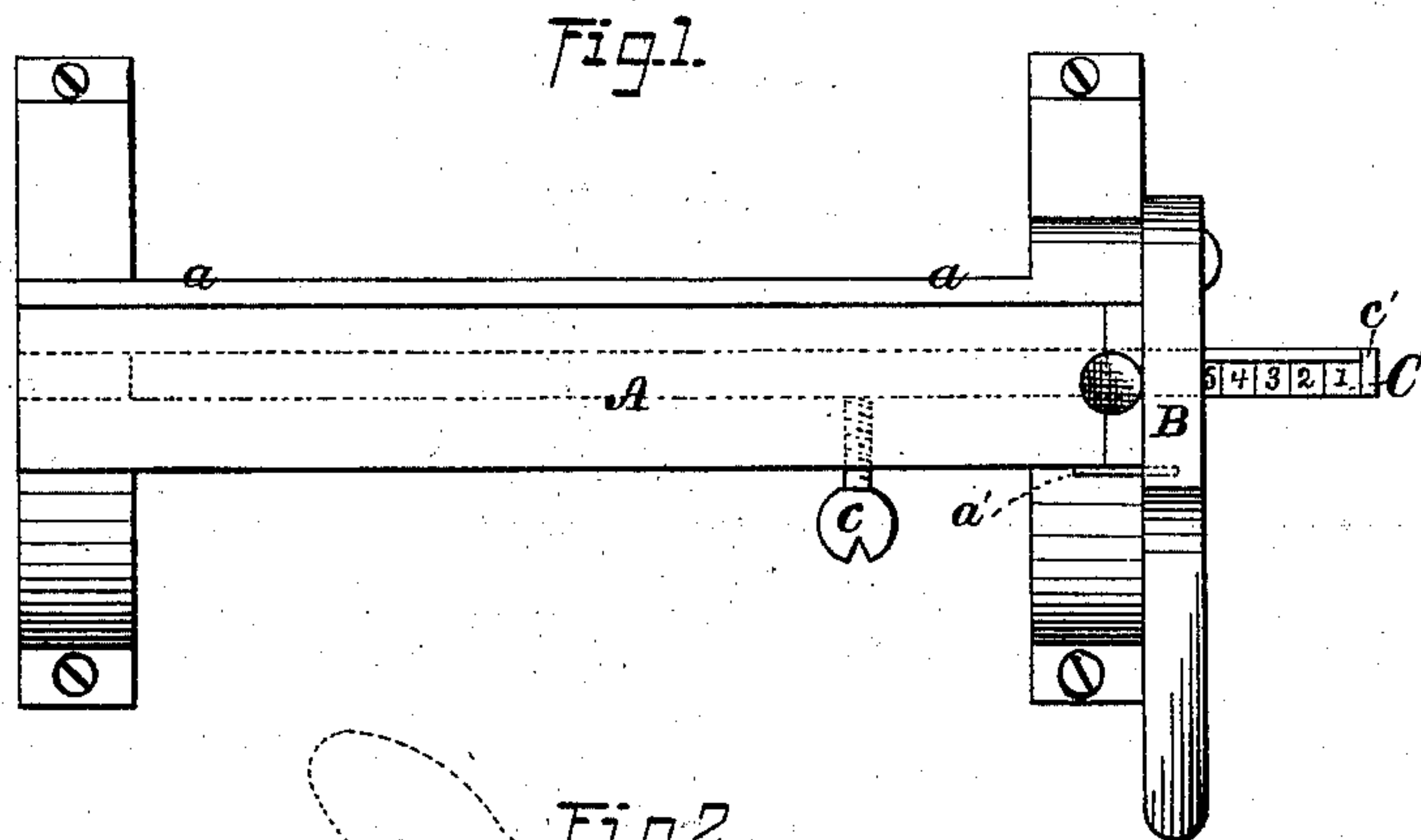


G. W. PHILLIPPO & J. W. OWEN.  
Lead-Cutter.

No. 203,850.

Patented May 21, 1878.



WITNESSES-

Jas. C. Hutchinson  
 C. D. Burthong.

INVENTORS-

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 per Edson Bros.  
 Attys

# UNITED STATES PATENT OFFICE.

GEORGE W. PHILLIPPO AND JOSEPH W. OWEN, OF GENESEO, ILLINOIS.

## IMPROVEMENT IN LEAD-CUTTERS.

Specification forming part of Letters Patent No. **203,850**, dated May 21, 1878; application filed November 6, 1877.

*To all whom it may concern:*

Be it known that we, GEORGE W. PHILLIPPO and JOSEPH W. OWEN, of the city of Geneseo, in the county of Henry and State of Illinois, have invented certain new and useful Improvements in Lead-Cutters; and we do hereby declare that the following is a full, clear, and exact description thereof, 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, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a plan view of our improved lead-cutter. Fig. 2 is an end view thereof, and Fig. 3 is a transverse section of the same.

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

This invention relates to a certain improvement in lead-cutting machines; and it consists of a bed having a knife or cutter provided with a recess or slot, which receives a projection from a sliding gage, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to a bed, suitably supported in position upon legs, and having a guide, *a*, to guide the feeding thereon of the lead to the knife or cutter B. The knife or cutter is hinged or pivoted to one end of the bed A, and at right angles to its longitudinal axis, and rests, at its forward end, upon a support, *a'*, attached to the bed A.

C is a bar or gage, resting in a longitudinal slot in the bed A, and susceptible of being slid in and out, to gage the required length of lead to be cut, it being graduated, as shown. A screw, *c*, holds the bar or gage at the desired point when projected from the bed A.

*c'* is a rest or projection upon the forward end of the bar or gage C, against which to hold the forward end of the stick or plate of lead while being gaged and cut by the knife or cutter B. The projection or rest *c'*, when the bar is not in use, rests in a slot or recess, *d*, in the shank of the cutter, as seen in Figs. 2 and 3, to keep it out of the way and prevent its being accidentally broken off.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

The bed A, having the knife or cutter B, provided with the recess or slot *d*, in combination with the sliding bar or gage C, having the projection or rest *c'*, substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our own discovery we affix our signatures in presence of two witnesses.

GEORGE W. PHILLIPPO.  
JOSEPH W. OWEN.

Witnesses:

JOHN CHRISTIAN,  
J. A. RAMSY.