

No. 168,661.

Fig. 1.

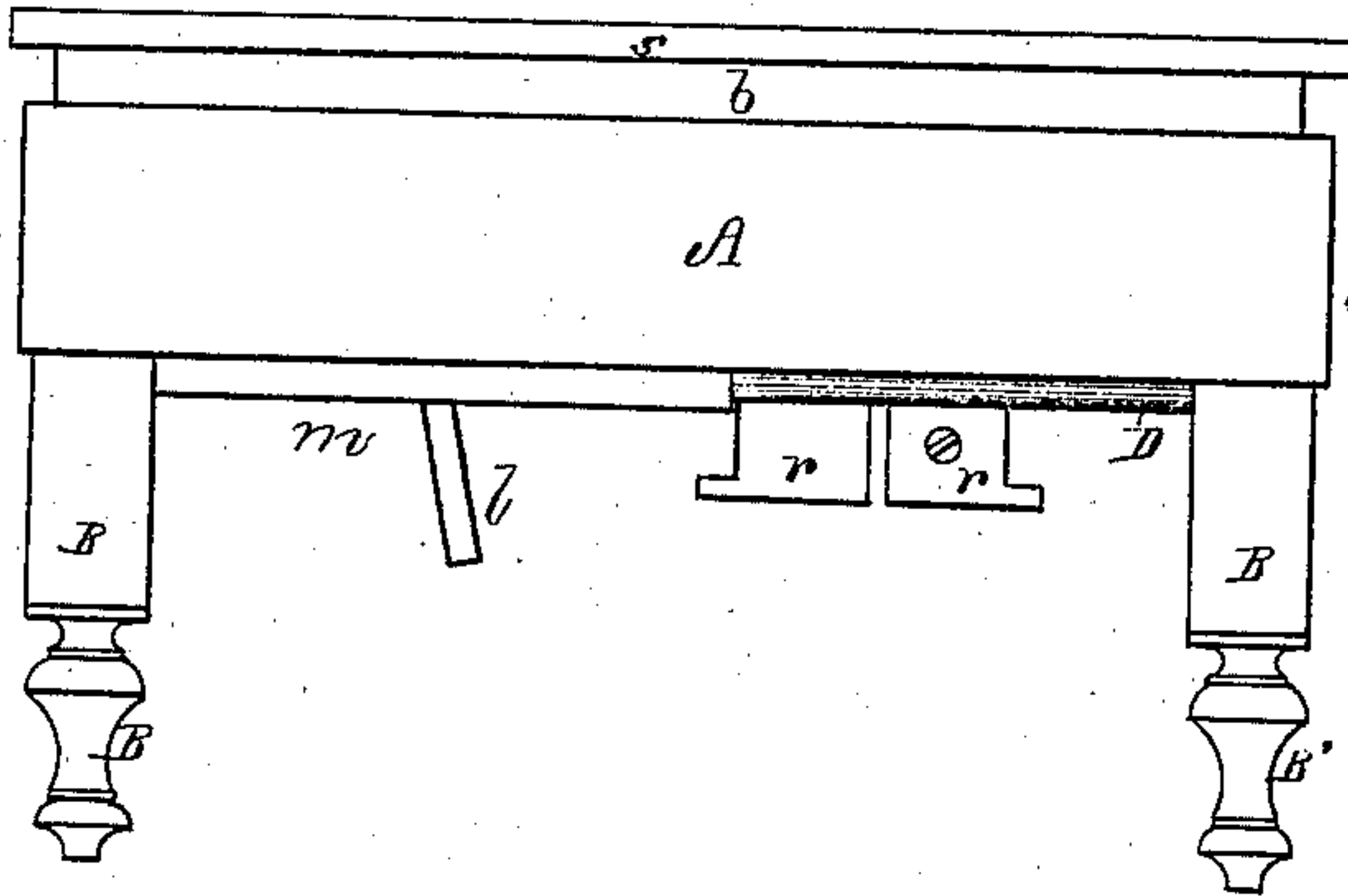


Fig. 4.

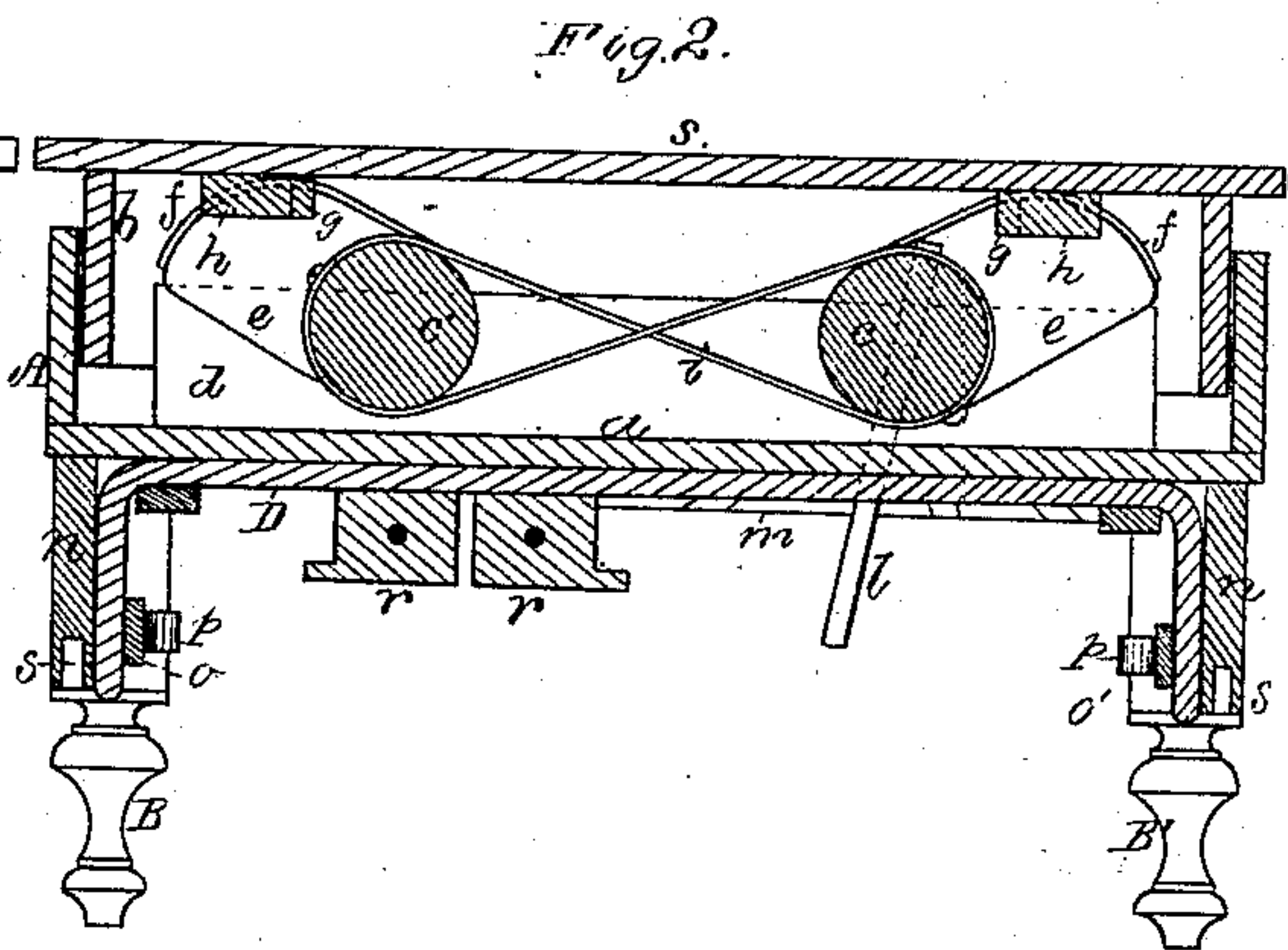


Fig. 2.

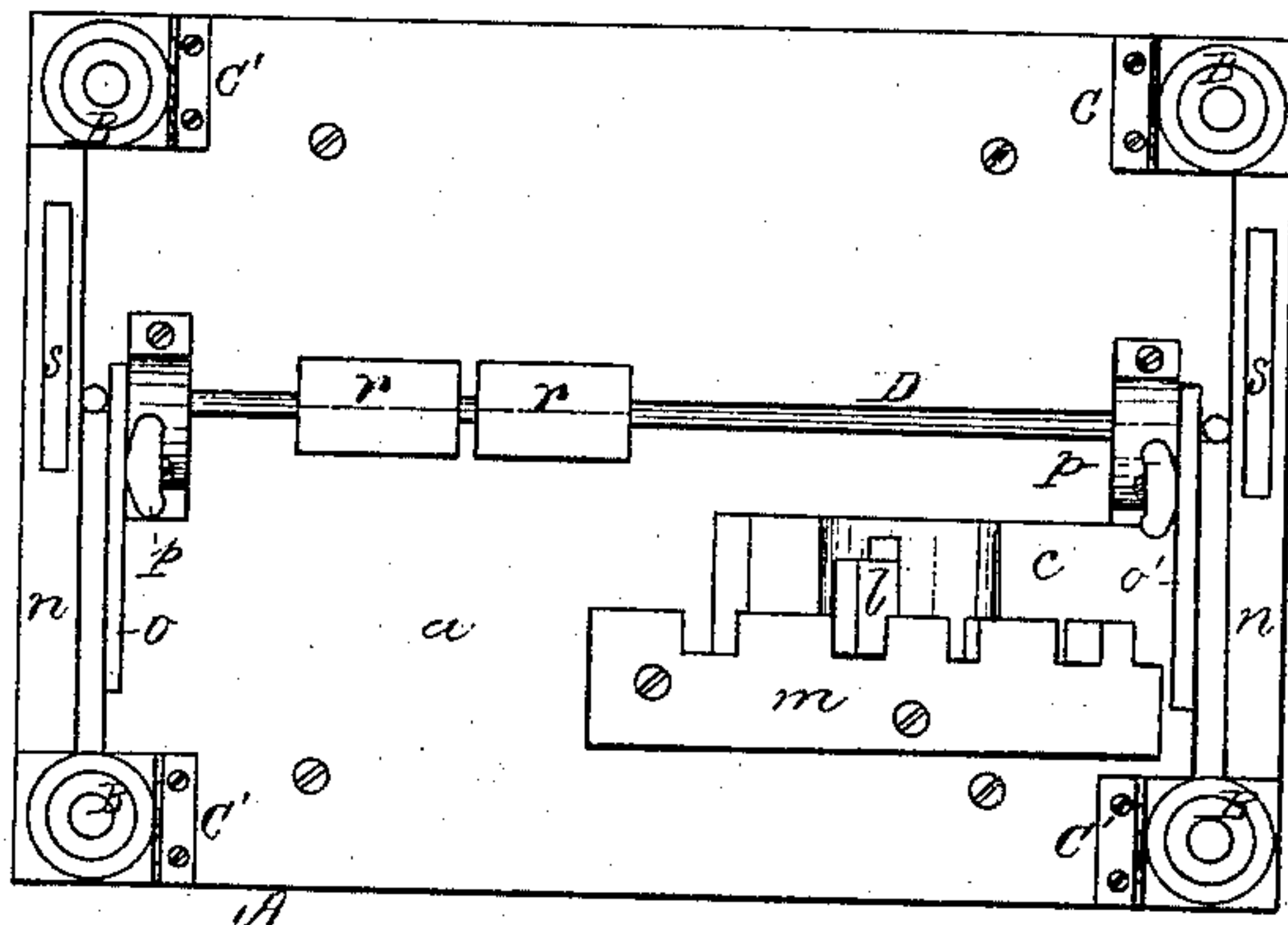
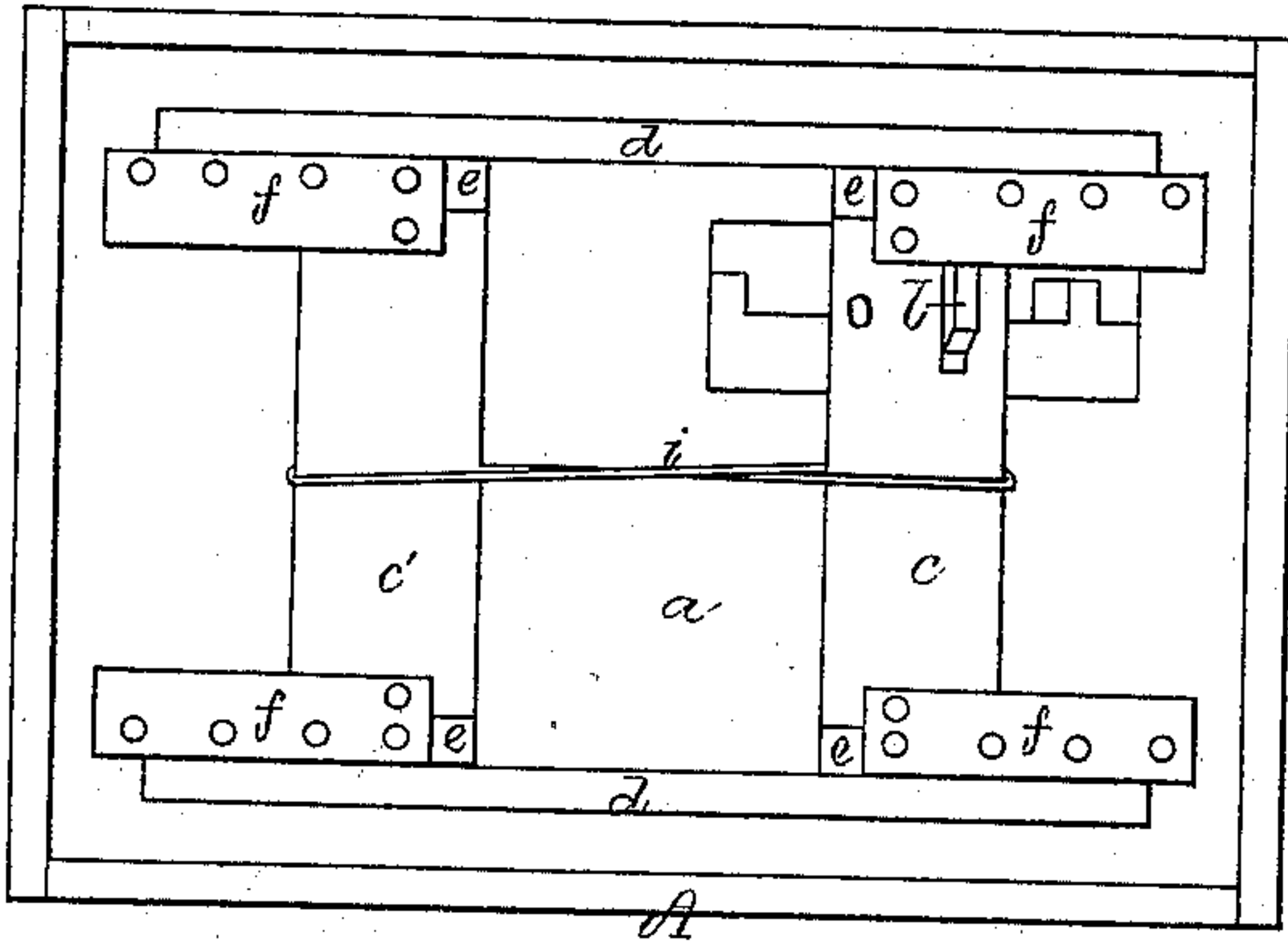
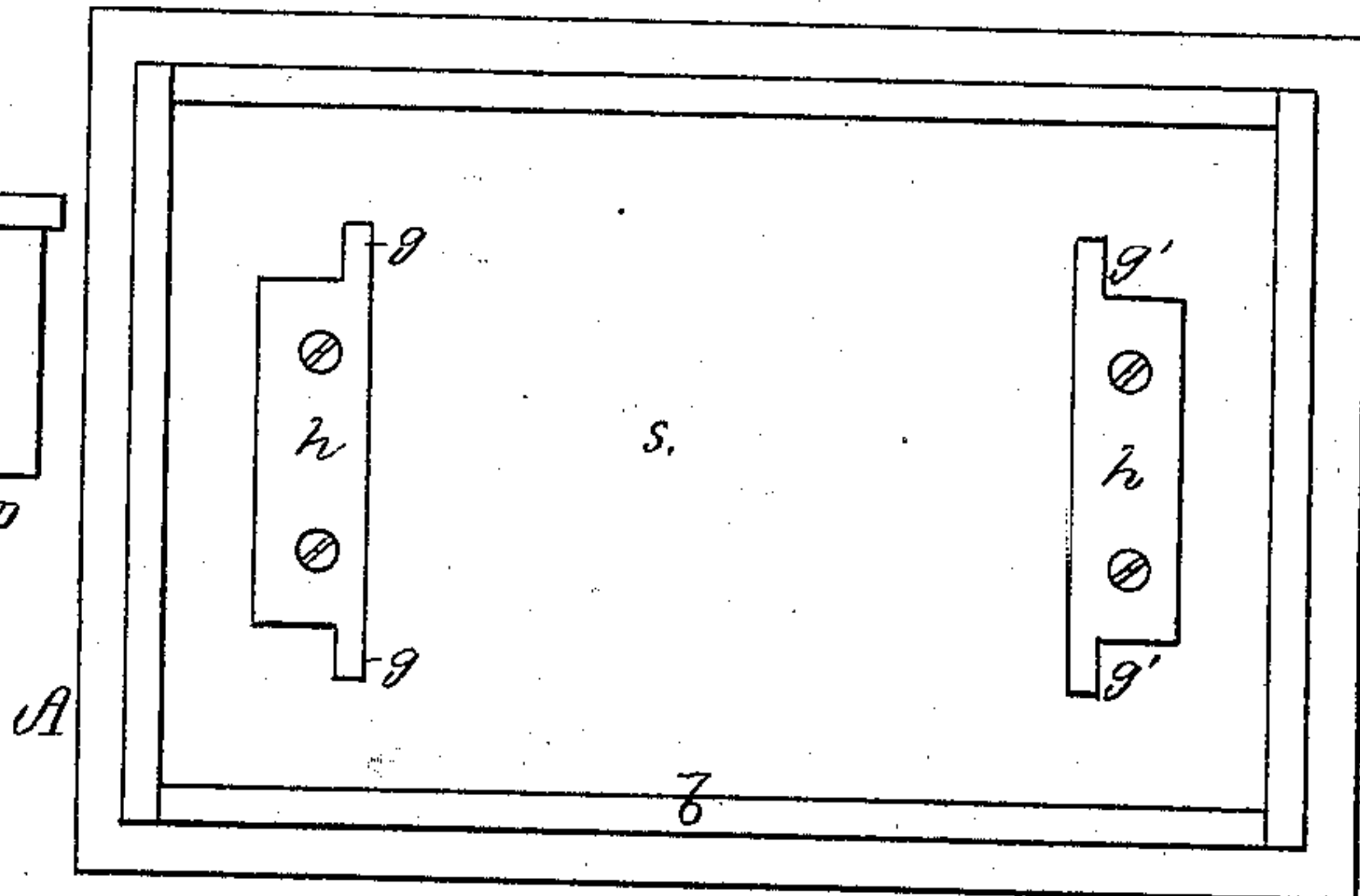
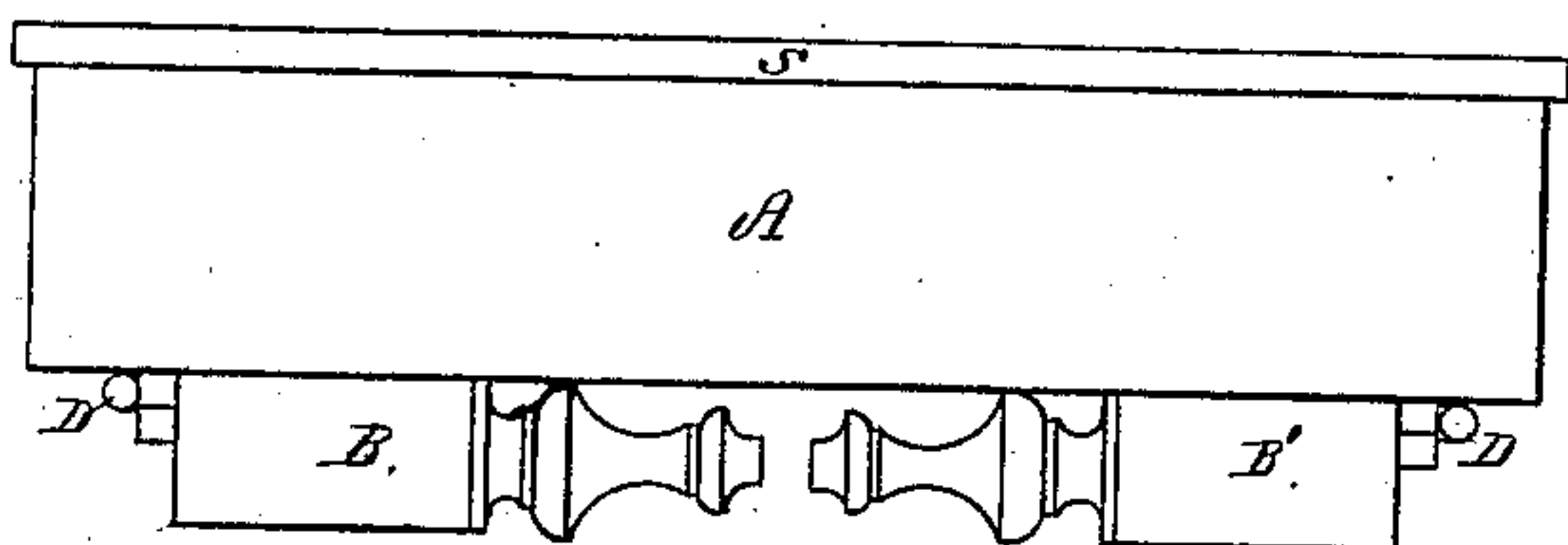


Fig. 6

Fig. 5.



James Miller.  
by his attorney  
J. R. Hale.



# UNITED STATES PATENT OFFICE.

JAMES MILLER, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN PIANO AND ORGAN OTTOMANS.

Specification forming part of Letters Patent No. 168,661, dated October 11, 1875; application filed July 15, 1875.

*To all whom it may concern :*

Be it known that I, JAMES MILLER, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Piano and Organ Ottomans; and I 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 pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

In such drawing, Figure 1 denotes a side elevation with the seat slightly elevated, Fig. 2 a longitudinal section, and Fig. 3 a bottom view, of an ottoman constructed in accordance with my invention. Fig. 4 is a top view, with the seat or top plate removed. Fig. 5 is a side elevation of the ottoman as folded for storage or transportation. Fig. 6 is a bottom view of the seat, showing the holding-lugs, to be hereinafter described.

My invention relates to certain improvements in ottomans for the use of pianists and organists, whereby the seat of the ottoman may be either elevated or depressed as circumstances may require, or the device be folded into a small compass for storage or transportation; and my invention consists in the peculiar construction, combination, and arrangement of the parts, as hereinafter described and claimed.

In the drawing, A denotes a hollow rectangular box, provided with a bottom, *a*, and mounted upon legs. *s* is the seat, affixed to the top of a rectangular frame, *b*, which fits into the box A so as to be capable of being moved up and down therein. Within the box A are two rocker-shafts, *c c'*, whose journals are supported in bars *d d'* affixed to the bottom of the box, and extending longitudinally thereof. These shafts carry two cams, *e e*, arranged upon their opposite ends. Each of such cams is provided with a flange, *f*, projecting inward from its face, such flanges extending over lugs or ears *g g' g' g'* formed on bars *h h* affixed to the under surface of the seat, as shown in Fig. 6, such arrangement serving to prevent the seat from being detached from the body or main part of the ot-

toman while being moved or manipulated. The rocker-shafts *c c'* have a crossed metallic belt or band, *i*, extending around them, such belt being secured by a pin or screw to each shaft, so as to allow the latter to have only partial reciprocating rotation, or such as is sufficient to move the cams from their lowest to their highest position, and vice versa. These movements of the cams are effected by means of a lever, *l*, pivoted to the shaft *c*, such lever extending down through a hole made through the bottom of the box A. By moving the said lever either forward or backward, as may be desirable, both rocker-shafts and their cams will be simultaneously moved, but in opposite directions. By moving it in one direction, all the cams will be moved outward and downward, and thus will move the seat downward, while an opposite movement of the lever will cause all the cams to be moved inward and upward, and thus elevate the seat to any required altitude within their limits of motion. In order to regulate the elevation or depression of the seat, the lever *l'* is caused to enter one of a series of notches of a bar, *m*, located as shown in Fig. 3.

B B B' B' are two pairs of legs, which are hinged to the bottom of the box A in such manner as to enable them to be folded inward upon the bottom of the box. D is a cylindrical brace-rod, which is supported in metallic brackets affixed to the under face of the box A, such rod having each of its ends bent at a right angle, so as to be capable of being turned up against the inner faces of the bars connecting each pair of legs. *n* is a stop-bar, arranged on each leg-connecting bar, it being so disposed as to abut against the bent ends of the rod when such ends are brought into a vertical position. *o o'* are clamp-bars, which are respectively pivoted to the bars *n n*, the same extending horizontally beyond the bent ends of the rod, when such ends are brought into a perpendicular position. The bars *o o'* are provided with thumb or clamp screws *p p*, by means of which the bars may be clamped upon the ends of the brace-rod when such ends are in a vertical position, and which, when so clamped, give a firm and rigid support to the legs.

In order to fold the ottoman into its most



compact form, the ends of the brace-rod are to be turned up against the bottom of the box A. The legs are next to be turned inward and folded on the under surface of the box, when the two slide-buttons *r r*, affixed upon the brace-rod, are to be moved inward. Their shouldered or beveled ends, passing into sockets *s s* formed on the under faces of the leg-connecting bars, serve to hold the parts thus folded in a rigid position.

I would remark that my arrangement for bracing and supporting the hinged legs, and enabling them to be folded and held in a compact form, may be applied with equal effect to wash-benches, ironing-tables, &c.

In order to remove the seat from the body of the ottoman, I have simply to move the lever *l* to its extreme outward limit, which will bring the flat faces of the cams vertically beyond their centers of motion, when the lugs of the seat will be brought beyond the ends

of the flanges. The seat may then be raised upward and readily removed from the box A.

Having described my invention, what I claim is—

1. The combination of the rocker-shafts *c c'*, cams *e e e e*, provided with flanges *f*, the crossed metal belt or band *i*, lever *l*, and lugs or ears *g g g' g'*, the whole being arranged substantially as shown and described.

2. The combination, with the folding legs, of the turning brace-rod *D* and the bars *o o'*, provided with clamp-screws *p p*, as shown and described.

In testimony that I claim the foregoing as my own invention I affix my signature in presence of two witnesses.

JAMES MILLER.

Witnesses:

F. P. HALE,

THOMAS MILLER.