

(No Model.)

2 Sheets—Sheet 1.

W. H. STOLTZ.  
COMMODE.

No. 559,109.

Patented Apr. 28, 1896.

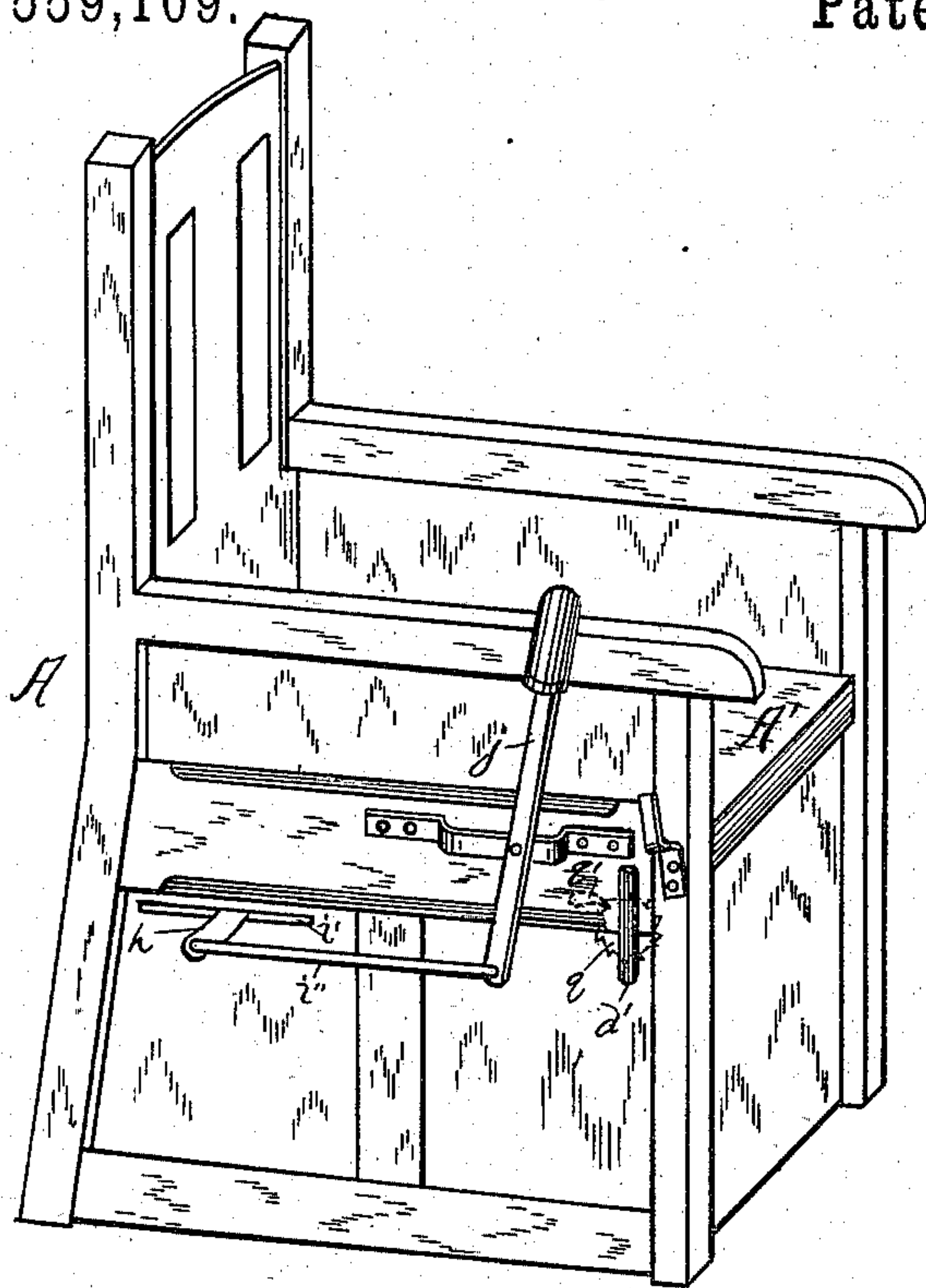


Fig. 1

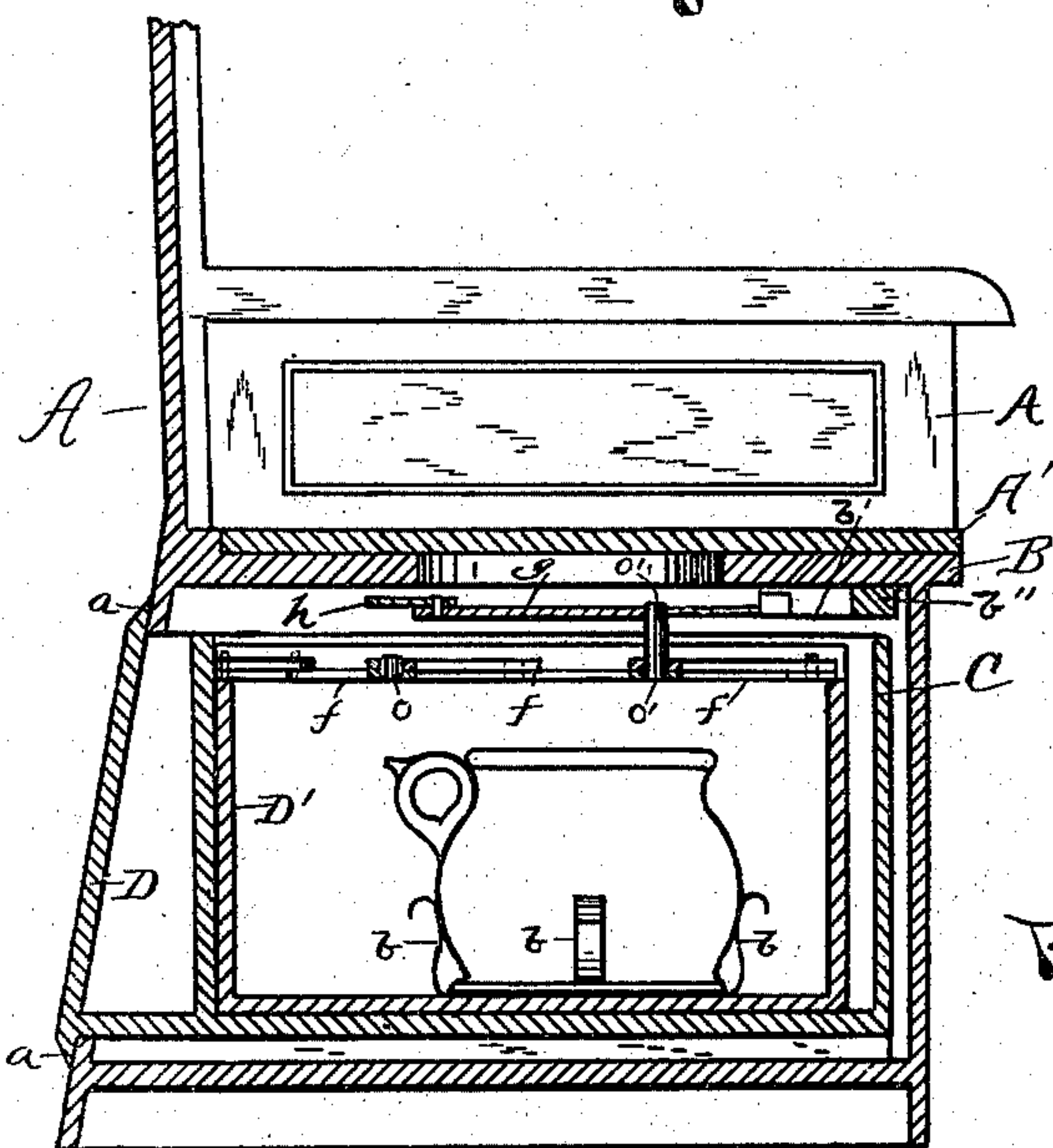


Fig. 2

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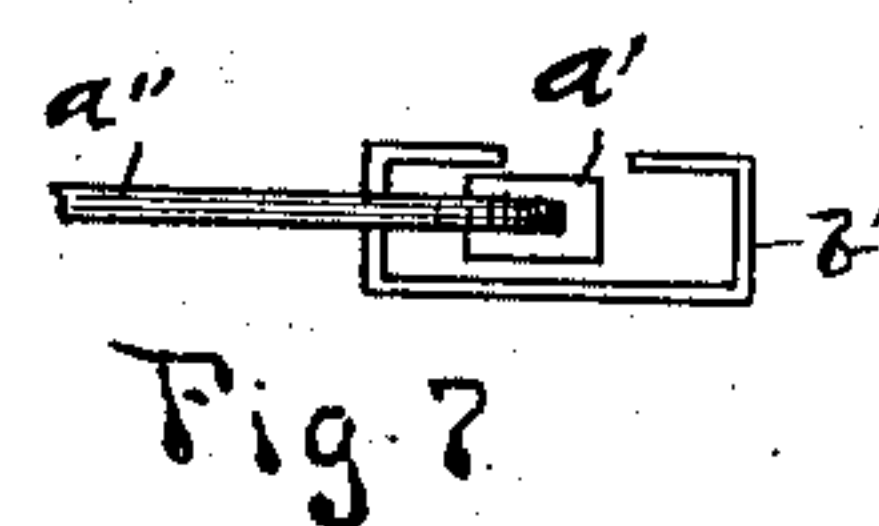
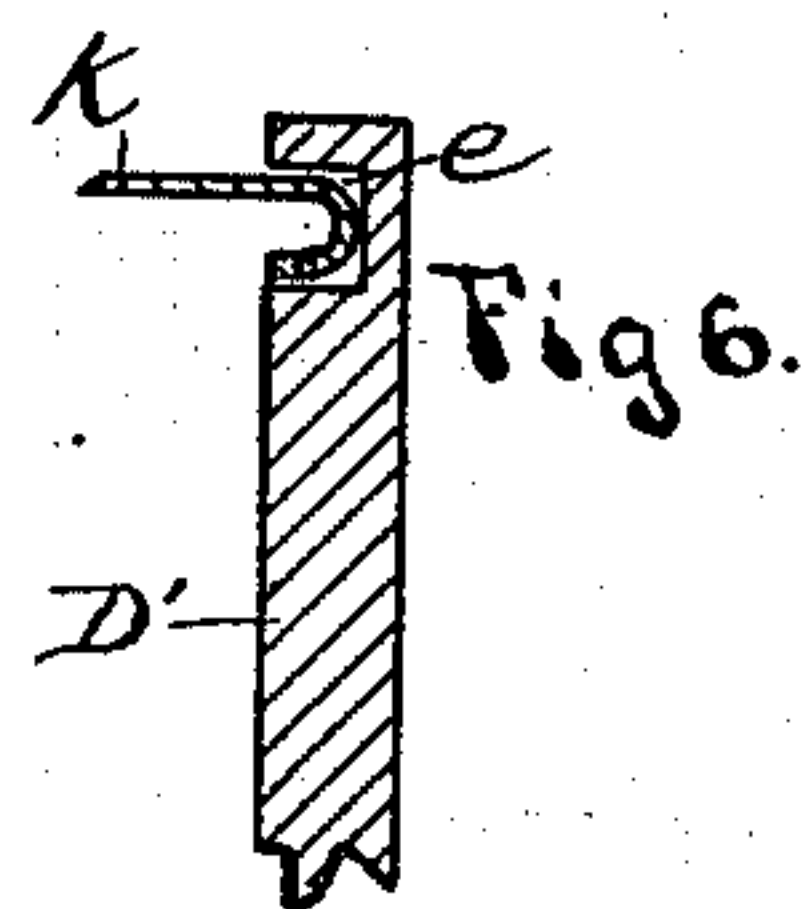
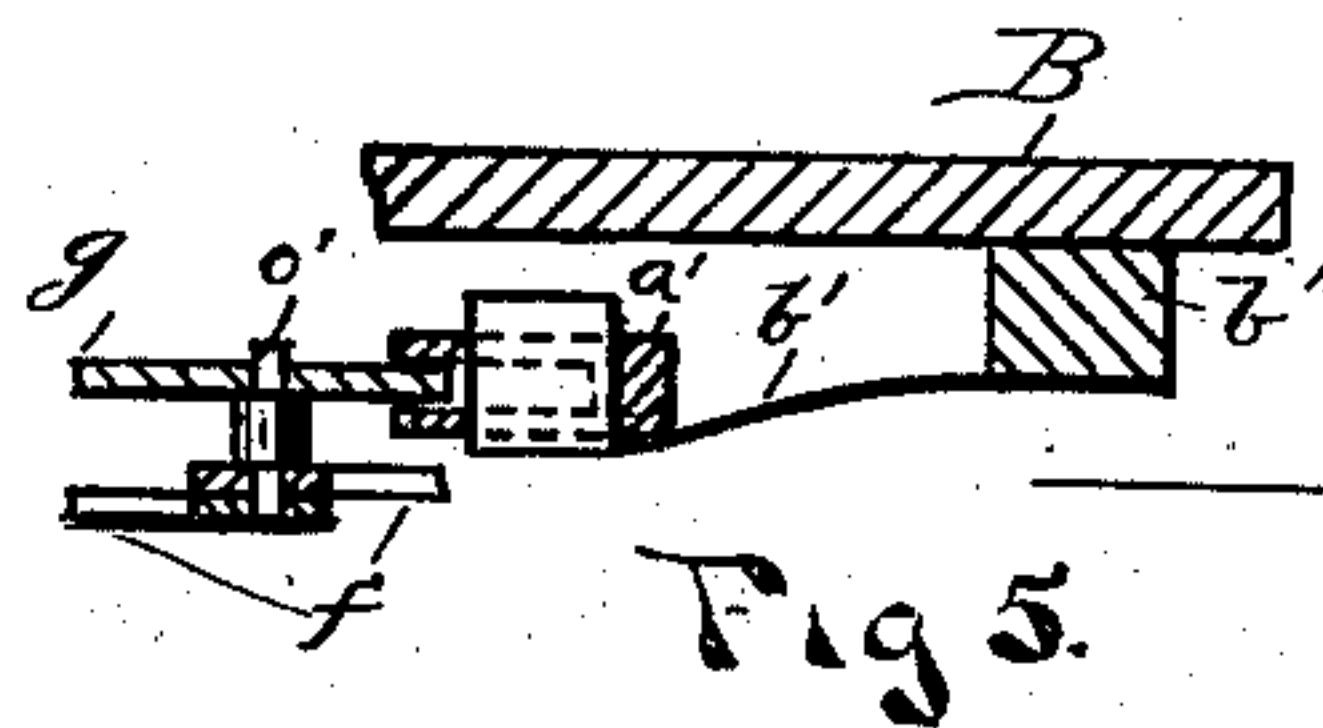
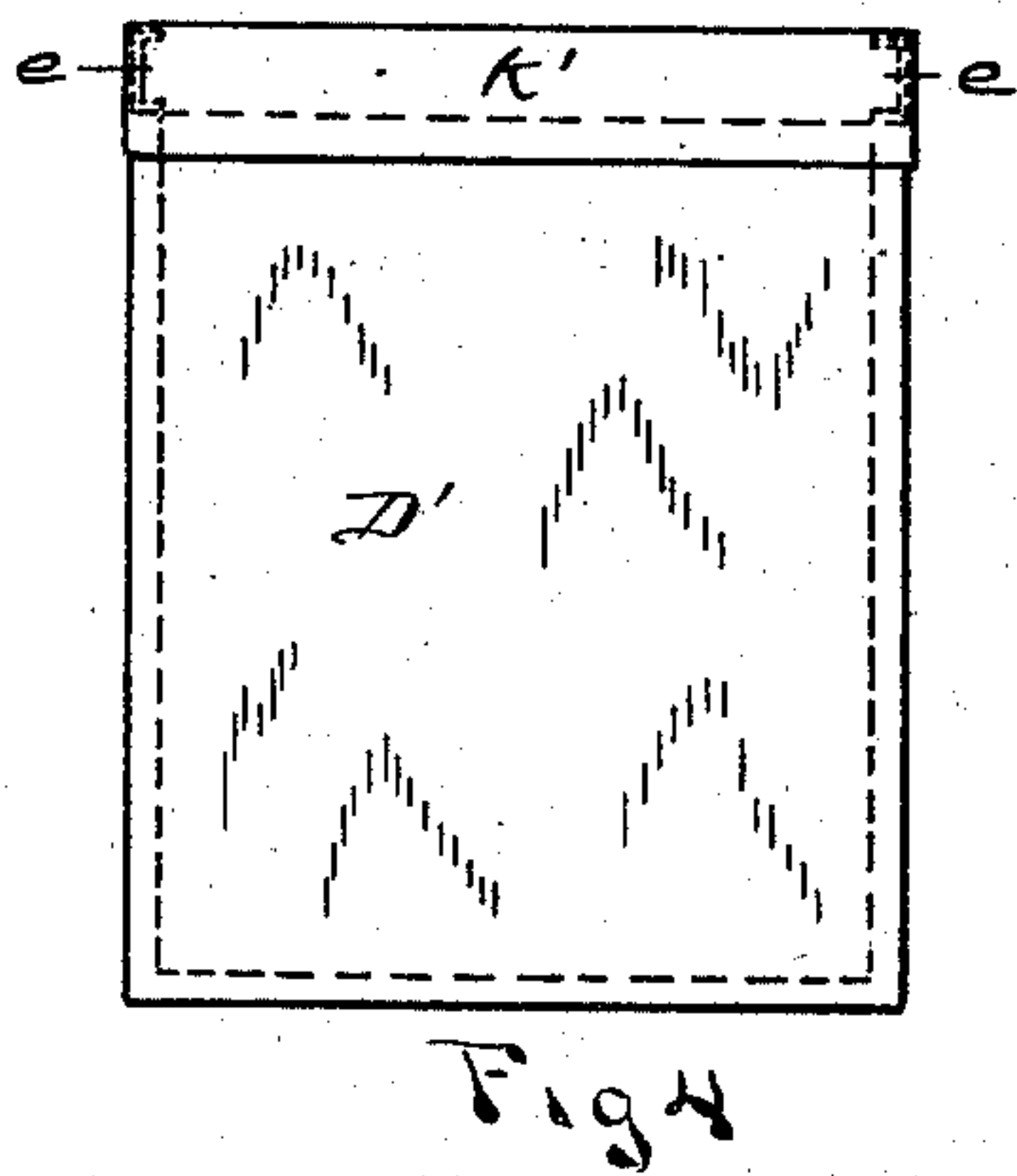
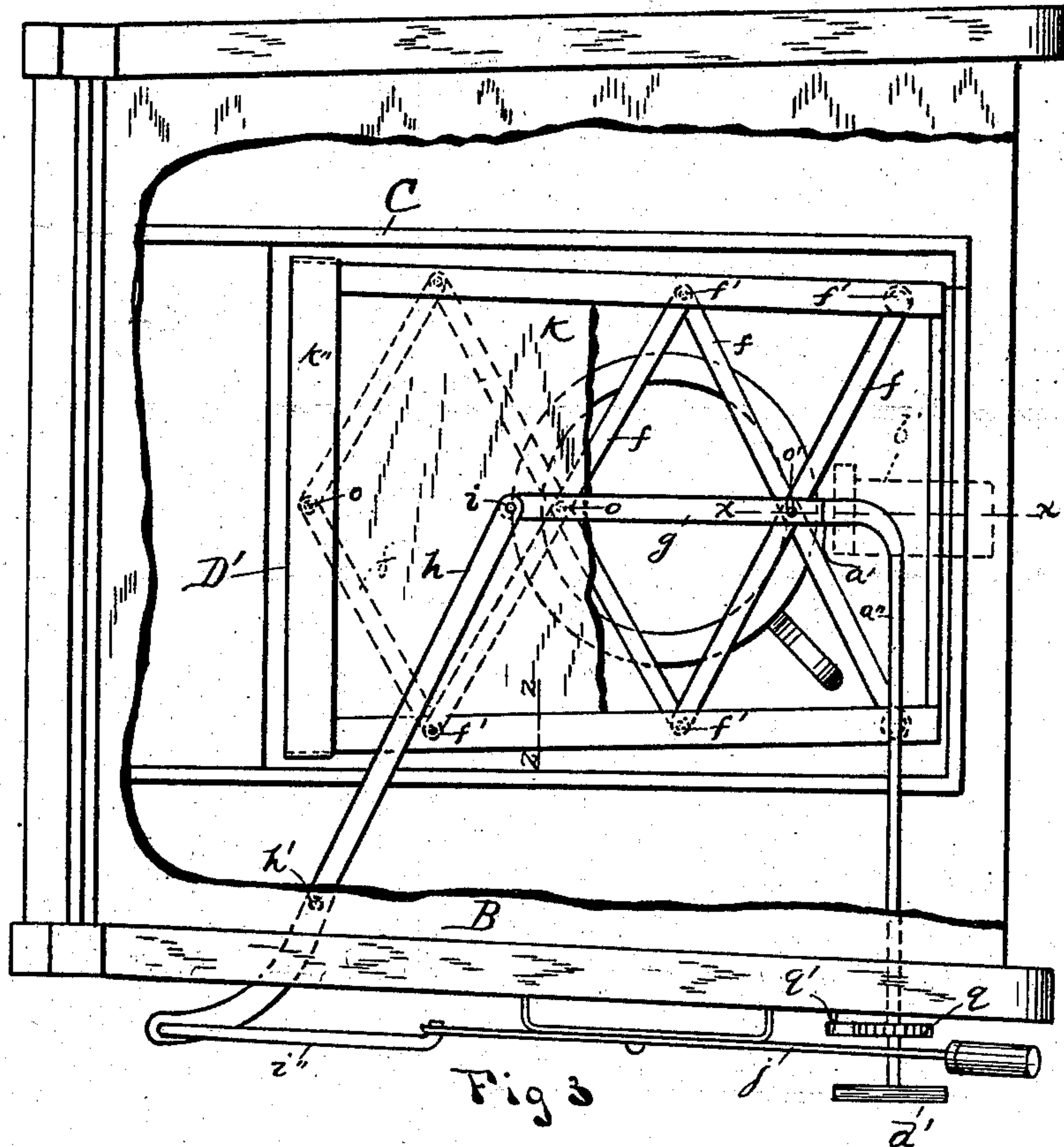
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C. S. Longenecker.  
A. J. Fiorini

W. H. Stoltz.  
Inventor

By his Attorney R. J. McCarty



# UNITED STATES PATENT OFFICE.

WILLIAM H. STOLTZ, OF DAYTON, OHIO.

## COMMODE.

SPECIFICATION forming part of Letters Patent No. 559,109, dated April 28, 1896.

Application filed September 12, 1895. Serial No. 562,347. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. STOLTZ, of Dayton, county of Montgomery, State of Ohio, have invented a new and useful Improvement in Commodes; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to portable water-closets or commodes.

The object of the invention is to provide means for preventing the odor from escaping; and to this end the said invention consists of parts and their arrangements that will be hereinafter fully described.

The accompanying drawings illustrate my improved commode, of which—

Figure 1 is a view in perspective of the chair. Fig. 2 is a horizontal section through the center of the same. Fig. 3 is a top view showing the internal mechanism, the seat broken away. Fig. 4 is a view of the rear of the drawer removed. Fig. 5 is a section on the line  $x x$  of Fig. 3. Fig. 6 is a section through a portion of a side of the drawer on the line  $z z$  of Fig. 3. Fig. 7 is a detached end view of the supporting-plate, looking in the direction of the arrow, Fig. 5.

Similar letters of reference indicate corresponding parts in the different views.

A designates an arm-chair, which may be ornamented and upholstered as desired. The lower portion of said chair is provided with a space that is made practically air-tight. A' is a sliding cover which incloses an opening in the seat B.

The letter C designates a drawer inclosed in the space below the seat. This drawer slides in and out at the rear of the chair and is provided with a panel D, that overlaps the edges of the opening in the rear of said chair, as at  $a$ . D' designates a receptacle within said drawer. The vessel is placed within this receptacle and is maintained against accidental displacement by being placed between spring-clamps  $b$ , that are attached to the bottom of said receptacle. This receptacle D'

fits snugly in the the drawer in order that the parts may be immovable while the drawer is being removed. The upper sides of the receptacle D' have longitudinal guideways or grooves  $e$ , (shown in Fig. 6,) in which the ends of a series of levers  $f$  project and move. These levers  $f$  are pivoted at their ends  $f'$  to each other, cross each other, and are connected at  $o$ , and also connected to each other and to a shifting bar  $g$  at  $o'$ .

$h$  designates a lever having a fulcrum at  $h'$  on the inner side of the seat B. This lever is pivoted at  $i$  to the shifting bar  $g$  and projects through a slot  $i'$  in the side of the chair, at which point it is connected by a rod  $i''$  to an upright hand-lever  $j$  within reach of the occupant. The movement imparted to the levers  $f$  is similar to that of a lazy-tongs—that is, they may be opened and closed to expose or conceal the vessel in the receptacle D' by operating the lever  $j$ .

K designates a covering or cloth of a nature that is impervious to air—for example, a flexible rubber cloth. The longitudinal edges of this cloth are secured to the lower ends of the pivots  $f'$ , and the outer end of the receptacle is covered with a piece K' of the same material, which overlaps the end of said receptacle, as shown in Fig. 4. The inner end of said cloth moves in and out under a transverse strip K'' of said cloth, that is secured to the inner end of the receptacle D'. Upon opening and closing the levers  $f$  this cloth readily folds or spreads itself in a manner readily understood.

Referring to Figs. 3 and 5,  $b'$  designates a supporting-plate which is secured to a block  $b''$  on the outer central part of the seat B. This supporting-plate has on its inner end an open space through which projects the inner end  $a'$  of a rocking rod  $a''$ . This rod, as shown in Fig. 3, projects through the side of the chair and is mounted beneath the seat in a manner to permit its being turned by the handle  $d'$ . The inner end of said rod is curved, as shown in Fig. 3, and is bifurcated, as shown in Fig. 5. When the levers are opened, the outer end of the bar  $g$  projects into said bifurcated end, as shown in Fig. 5, and said end may be lifted from the pivot  $o'$  to enable a removal of the drawer C. The detachment of said bar  $g$  is



effected by turning the rod  $a''$  upon its axis and thereby elevating the end  $a'$  to lift the end of said bar  $g$ .

The end of the bar  $g$  remains supported in said end  $a'$ , and when the drawer  $C$  is returned the bar  $g$  is reconnected to the pivot  $o'$  by lowering the end  $a'$ .

$q$  designates a ratchet-wheel fixed on the outer end of the rod  $a''$ , and  $q'$  is a pawl to lock said wheel to maintain the end  $a'$  in an elevated position.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a commode, the combination with a chair having an inclosed space below the seat, of a drawer, a system of levers having their ends and centers pivoted to each other, said levers being mounted in the upper part of said drawer to slide horizontally, a cloth of the character described, attached to said levers and movable thereby, a bar  $g$  loosely connected to the central pivot  $o'$ , a lever projecting through the side of the chair, to which said

bar  $g$  is also flexibly connected, an upright hand-lever and a connecting-rod to actuate said lever, and means for effecting a disconnection of the bar  $g$  from the pivot  $o'$ , substantially as herein described.

2. In a commode, the combination with a chair having an inclosed space beneath the seat, and a drawer adapted to be moved in and out of said space, of a receptacle  $D$  in said drawer, said receptacle being provided with grooves  $e$ , a system of connected levers mounted to slide in said grooves, impervious cloth attached to said levers and adapted to be moved by said levers, a bar  $g$  pivoted at  $o'$ , a lever  $h$  pivoted to said bar, a supporting-plate  $b'$ , a rocking rod  $a''$  having its inner end curved and bifurcated to receive an end of the bar  $g$ , substantially as and for the purposes specified.

In testimony whereof I have hereunto set my hand this 5th day of September, 1895.

WILLIAM H. STOLTZ.

Witnesses:

R. J. McCARTY,  
IRVING LONGENECKER.