

(No Model.)

2 Sheets—Sheet 1.

C. C. KELLER.  
ADJUSTABLE STEREOTYPE PLATE HOLDER.

No. 558,587.

Patented Apr. 21, 1896.

Fig: 1.

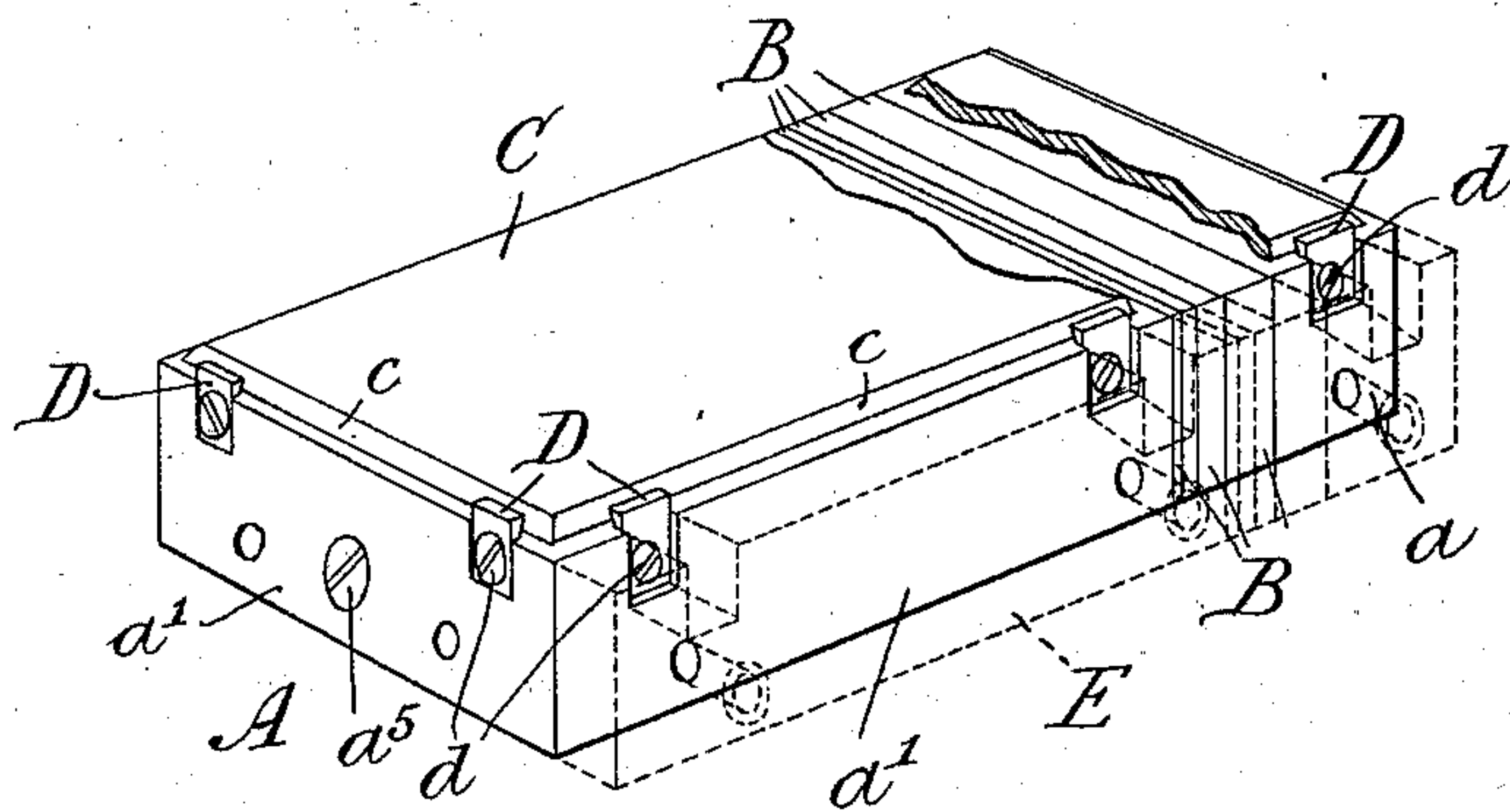


Fig: 2.

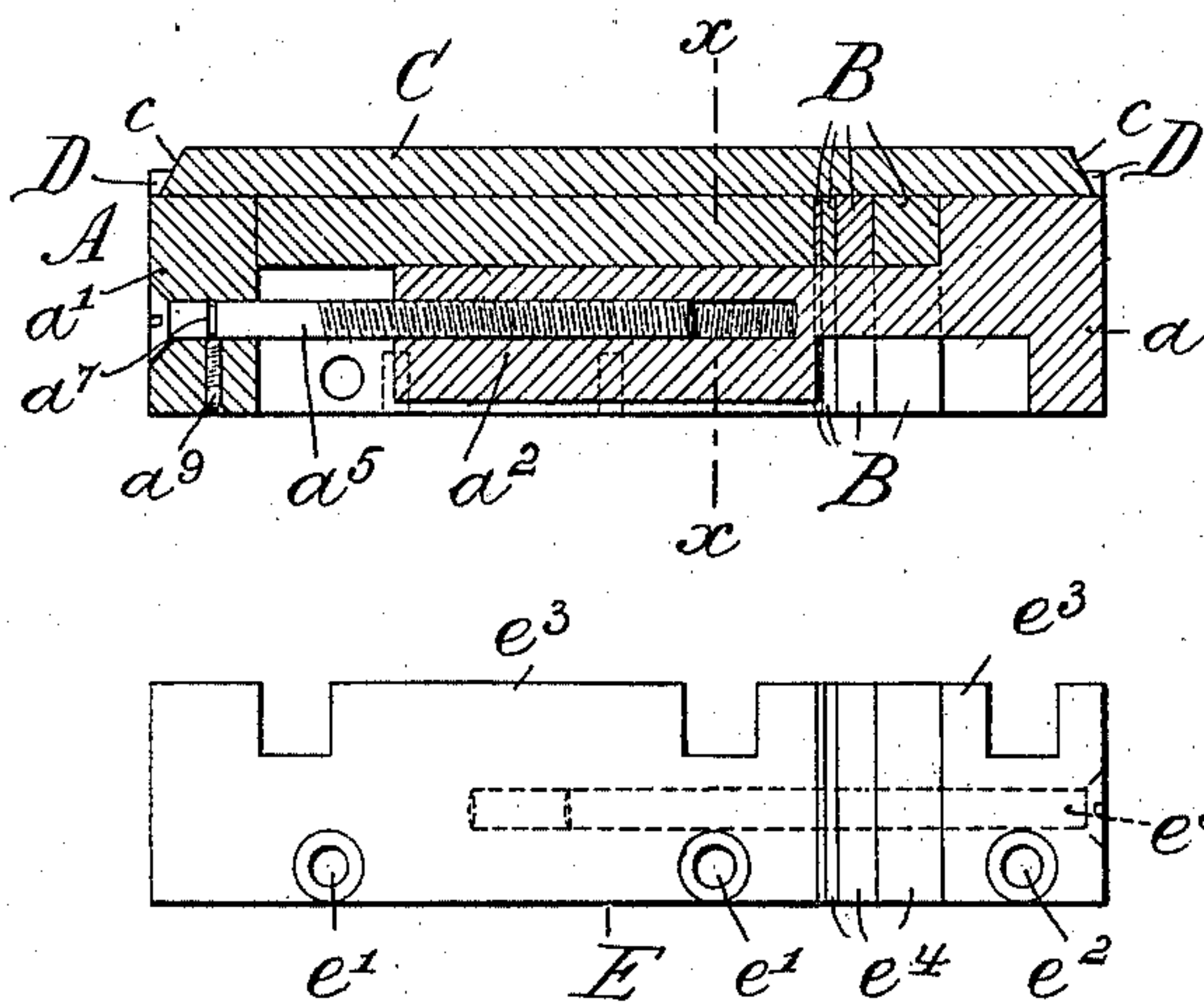


Fig: 3.

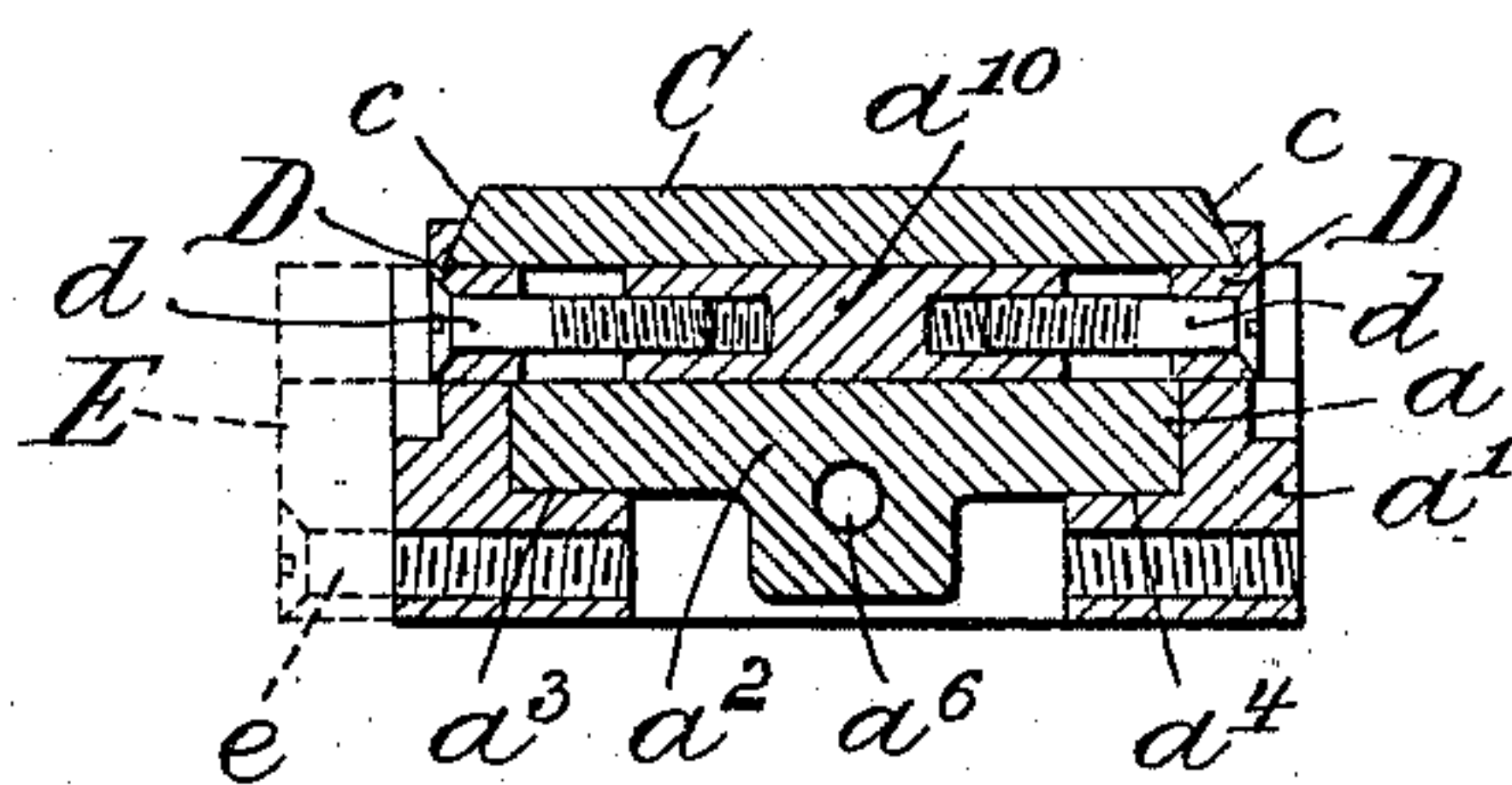


Fig: 4.

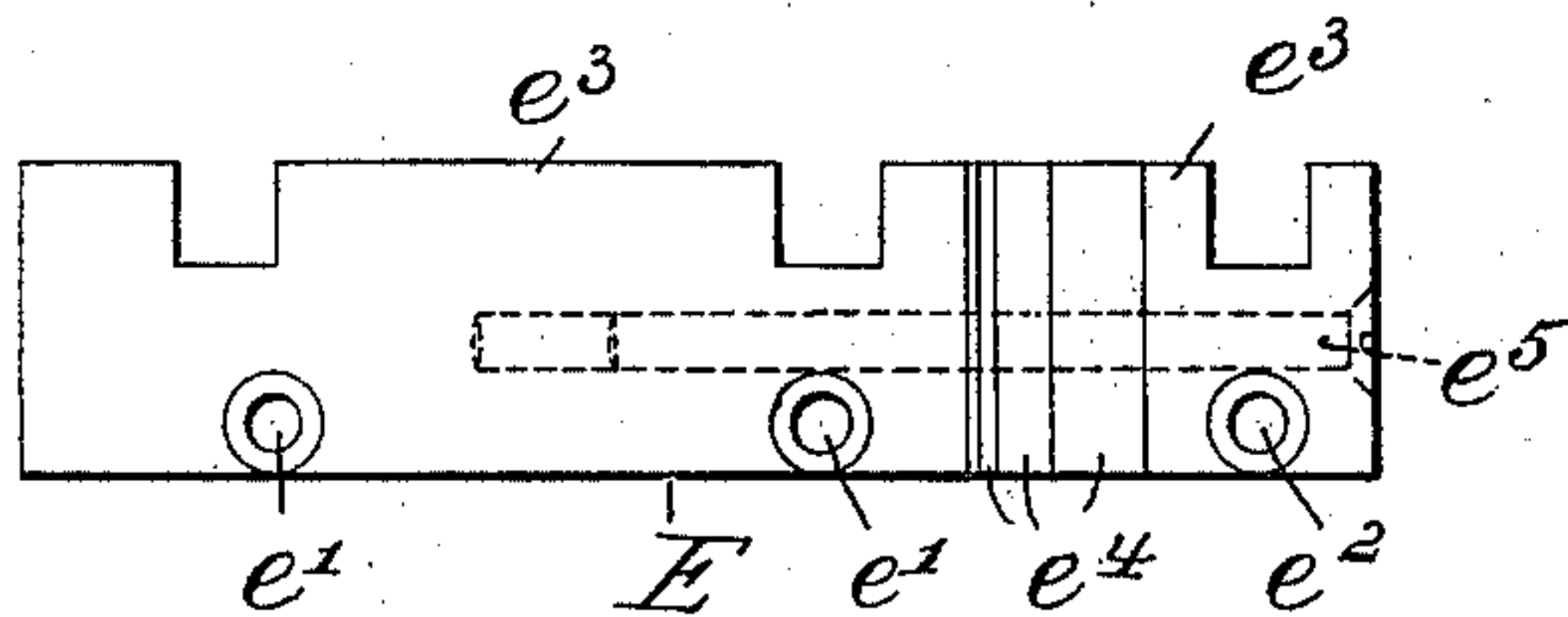


Fig: 5.

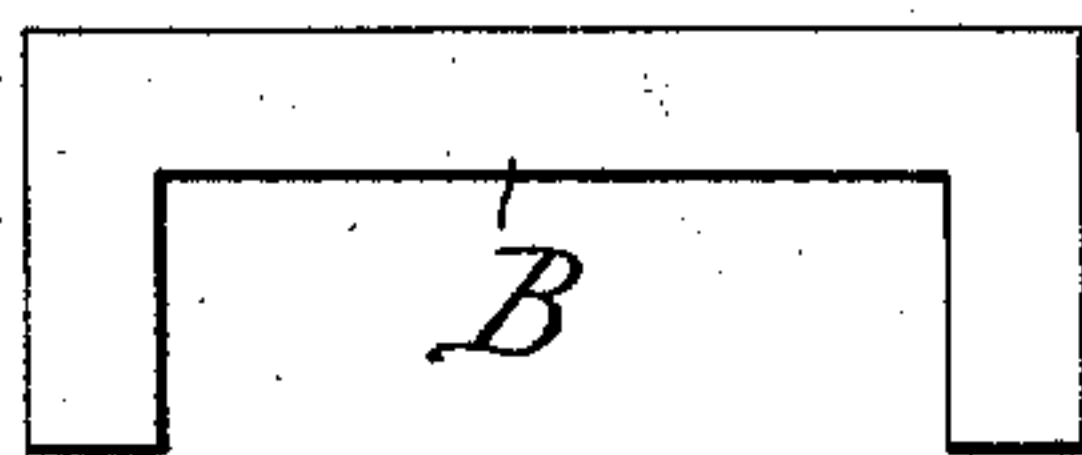
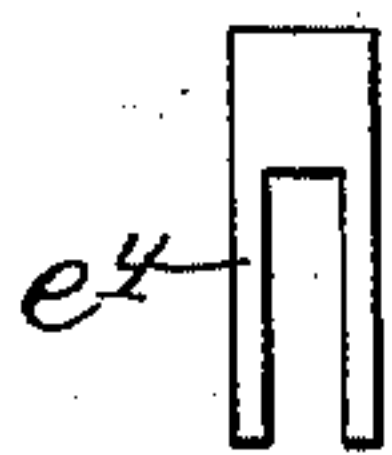


Fig: 6.



Witnesses:  
Thomas M. Smith.  
Richard C. Maxwell.

Inventor:  
Christian C. Keller,  
By J. Walter Douglass  
Attorneys.

(No Model.)

2 Sheets—Sheet 2.

C. C. KELLER.  
ADJUSTABLE STEREOTYPE PLATE HOLDER.

No. 558,587.

Patented Apr. 21, 1896.

Fig: 7.

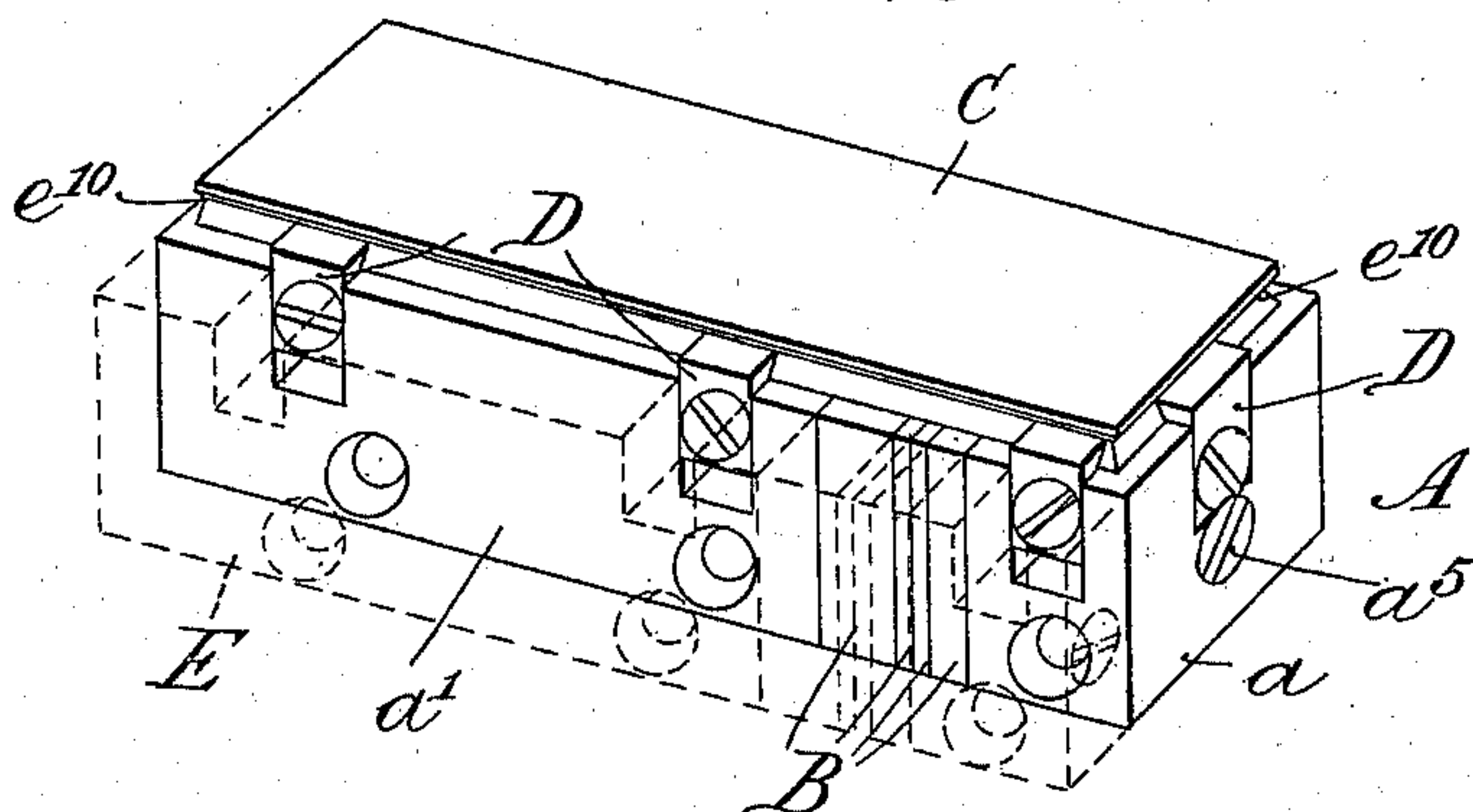


Fig: 8.

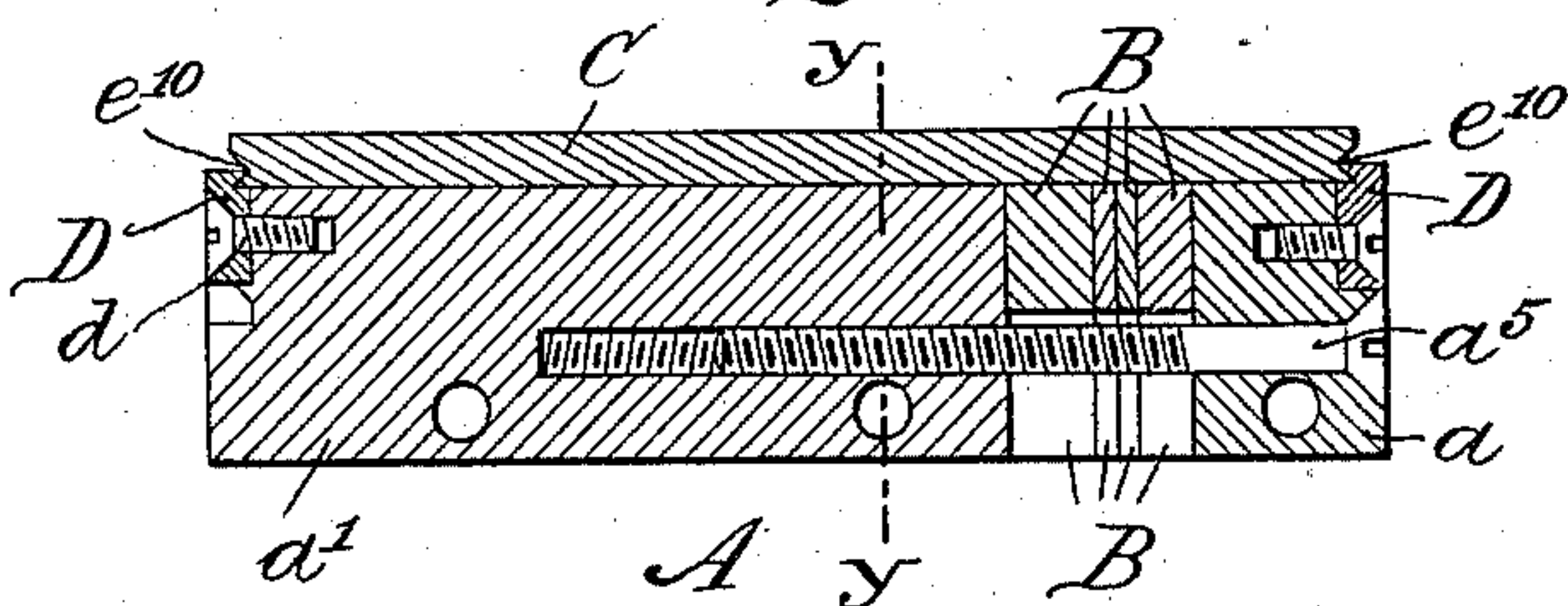


Fig: 9.

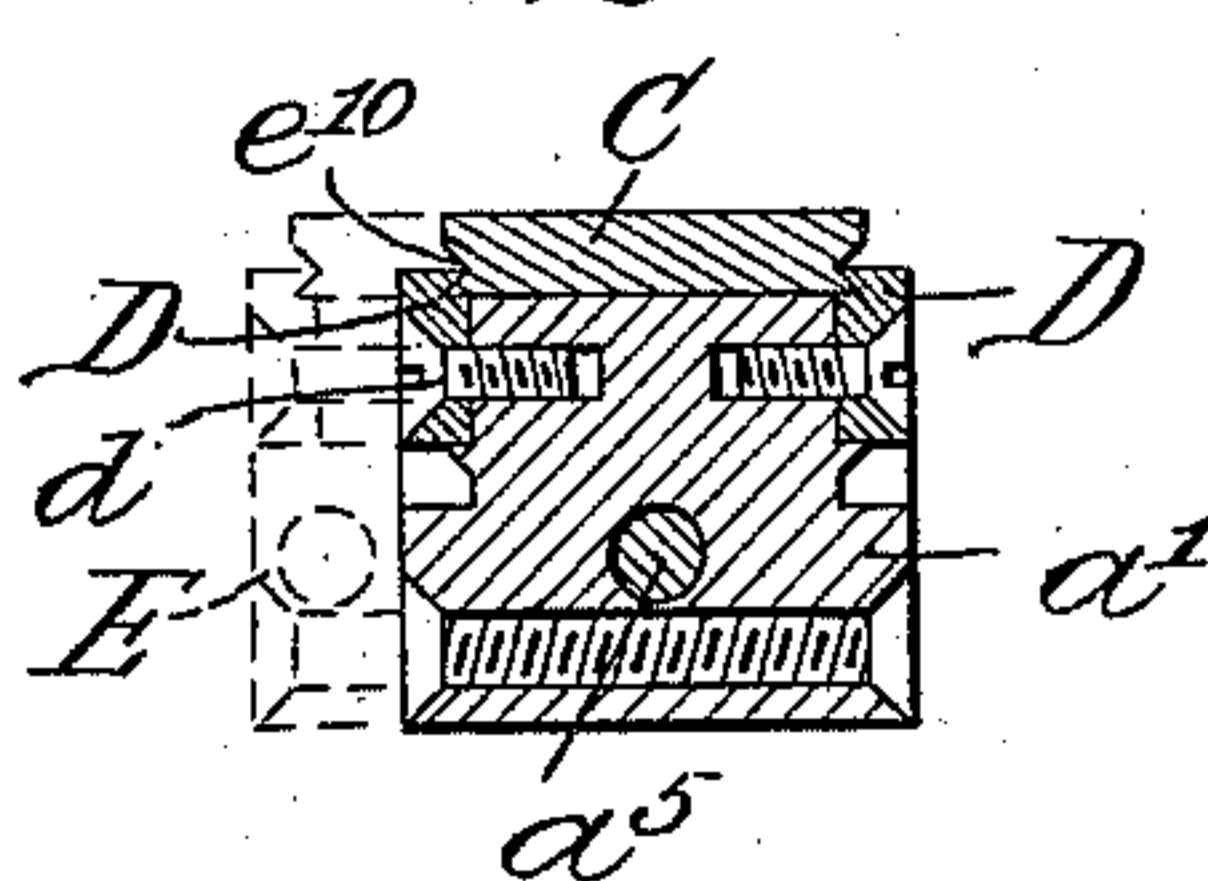


Fig: 10.

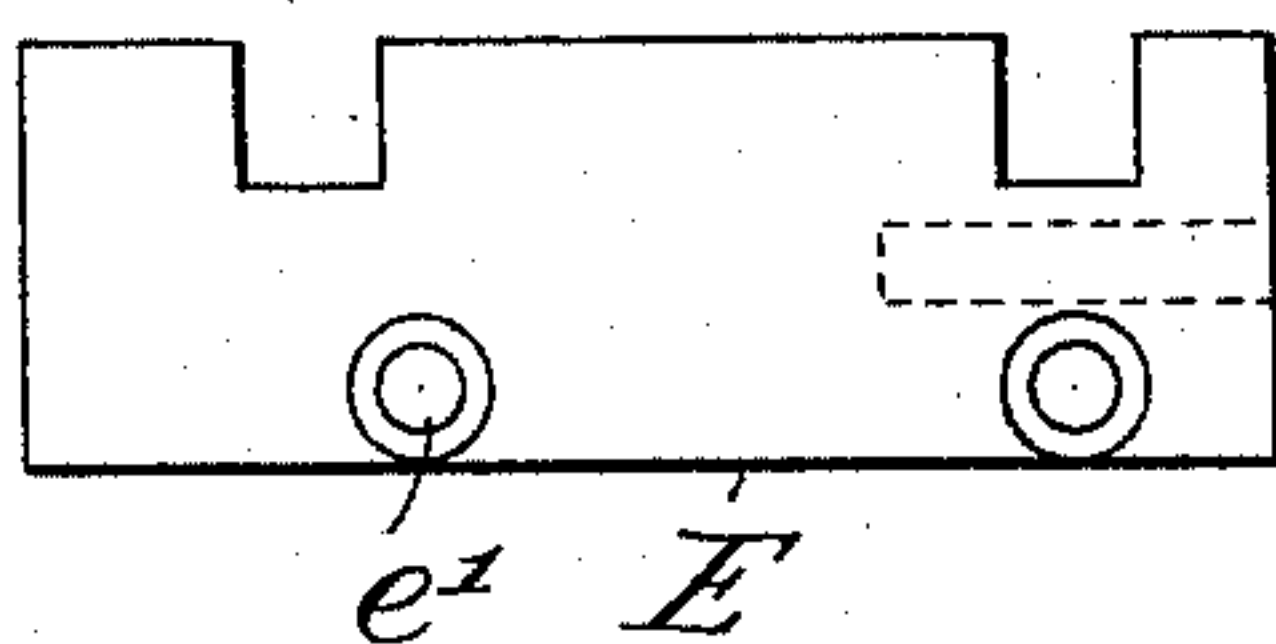
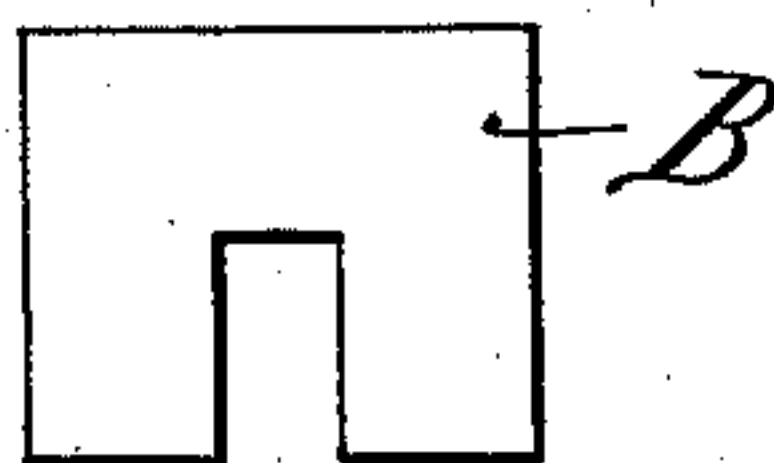


Fig: 11.



Witnesses:  
Thomas M. Smith.  
Richard C. Maxwell.

Inventor:  
Christian E. Keller,  
By J. Walter Douglas  
Attorneys.



# UNITED STATES PATENT OFFICE.

CHRISTIAN C. KELLER, OF PHILADELPHIA, PENNSYLVANIA.

## ADJUSTABLE STEREOTYPE-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 558,587, dated April 21, 1896.

Application filed December 6, 1895. Serial No. 571,213. (No model.)

*To all whom it may concern:*

Be it known that I, CHRISTIAN C. KELLER, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Stereotype-Plate Holders, of which the following is a specification.

My invention has relation to adjustable holders for stereotype or electrotpe plates; and in such connection it relates particularly to the construction and arrangement thereof.

The principal objects of my invention are, first, to provide a comparatively simple, durable, and effective adjustable holder for electrotpe or stereotype plates, and, second, to provide a holder which is extensible and the clamping mechanism of the same adjustable in different directions, so as to be adapted for the reception of plates of different sizes.

My invention, stated in general terms, consists of an adjustable clamping-holder for stereotype or electrotpe plates constructed and arranged in substantially the manner hereinafter described and claimed.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a perspective view of one form of adjustable holder for an electrotpe or stereotype plate of my invention, showing the plate in broken section clamped to the holder.

Fig. 2 is a longitudinal central section through the holder of Fig. 1, showing the tongue of one member engaged by a threaded bolt of the other member to illustrate the extensible feature of the holder, and also showing the plate clamped thereto and the interposed "fillers" or slotted inserted plates for furnishing surface bearing for the stereotype-plate.

Fig. 3 is a transverse sectional view on the line  $x x$  of Fig. 2, showing the tongue of one member of the holder entering and movable in the guideways of the other member and with the clamping devices of the holder engaging the stereotype-plate.

Fig. 4 is a side elevational view of one form of combination filler-plate for increasing the width of the holder. Figs. 5 and 6 are similar views of the individual fillers to be employed for increasing the length

and width of the holder so as to adapt the same for the reception of electrotpe or stereotype plates of different sizes.

Fig. 7 is a perspective view of a modified form of holder without a tongue, but adapted for attachment laterally to the holder of Fig. 1 or of being employed independently of the same for oblong stereotype-plates. Fig. 8 is a central longitudinal section of the holder of Fig. 7. Fig. 9 is a transverse sectional view on the line  $y y$  of Fig. 8; and Figs. 10 and 11 are respectively side elevational views of the combination filler-plates for the type of holder illustrated in Fig. 7, for permitting of longitudinal and lateral extension thereof.

Referring to the drawings, with particular reference to Figs. 1 to 6, inclusive, A represents the holder, comprising two members  $a$  and  $a'$ , whereof the member  $a$  is provided with a tongue  $a^2$ , adapted to engage and to be slid along the guideways  $a^3$  and  $a^4$  of the member  $a'$  by means of a threaded bolt  $a^5$ , introduced through the end wall of the member  $a'$  and engaging a threaded opening  $a^6$ , provided in the tongue  $a^2$  of the member  $a$ , as clearly illustrated in Figs. 2 and 3. The threaded bolt  $a^5$ , as illustrated in Fig. 2, may be provided with an annular recess or groove  $a^7$  in the smooth surface portion of the same for the engagement of a screw  $a^9$  therewith to prevent turning of the same after it has been screwed to place in the tongue  $a^2$  of the member  $a'$  of the holder, which screw  $a^9$  is introduced through the under side or bottom of the member  $a$ .

B represents a series of U or similar shaped filler-plates adapted to span the tongue  $a^2$  of the member  $a'$  to furnish bearing-surface for the holder when extended—for example, as illustrated in Figs. 1 and 2—for a stereotype or electrotpe plate C, having preferably, as illustrated, beveled edges  $c$  for a purpose to be presently explained.

The side and end walls of the holder A are grooved out or recessed at suitable distances apart for the introduction and securing therein of clamping-pieces D, provided with screws  $d$ , extending into the internal body  $a^{10}$  of the holder A, as clearly illustrated in Fig. 3. Each of the clamping-pieces D is provided with a flat face and with an inwardly-inclined wall, so as to firmly bear against the beveled



edge of the stereotype or electrotpe plate C, and the clamps as so arranged are adapted to be adjusted so as to compensate for the varying size of a plate C.

5 E, in Figs. 3 and 4, is a combination filler-plate for increasing the width of the holder and which is attached to and detached from the same by means of screws  $e$ , extending into the lower portion of the holder, as illustrated, for example, in Fig. 3 of the drawings, through the openings  $e'$  and  $e''$ , respectively, in the combination filler-plate E and members  $a$  and  $a'$  of the holder A.

15 The combination filler-plate E consists of the recessed plate  $e^3$  and a series of slotted quads  $e^4$  of the type illustrated in Figs. 4 and 6, and secured to position by means of a threaded bolt  $e^5$ , and then applied to the side of the holder A, as hereinbefore explained.

20 In Fig. 5 the type of transverse filler of an inverted-U shape is shown and of such type as are preferably used to fill up the space created by the extension of the two members  $a$  and  $a'$  of the holder A, which fillers in operative position are clearly shown in Figs. 1 and 2 of the drawings, whereby a solid bearing-surface for the electrotpe or stereotype plate C is afforded, and which it is essential should be, in view of the fact that most of the stereotype or electrotpe plates used are made of soft metal and apt to bend during the operation of printing if a substantial bearing-surface is not provided therefor, and especially when the size of the plate to fit the holder is such as requires the extension of the same.

35 It will be observed from Fig. 1 of the drawings that the holder is compact and that a border-line may be applied readily thereto, or the holder so mounted in the printing-form along with type placed adjacent thereto as that the printing may be had therefrom without undue loss of space or seeming irregularity as to position of parts with respect to type and plate C in the impressions derived therefrom. The plates C can be withdrawn from the holder A by simply loosening the screws holding the clamps D against the edges thereof, as will be readily understood the clamps being thereby partially withdrawn through the grooves or recesses in the walls of the holder A, and the plate C then removable from the holder A.

50 The type of holder A in Figs. 7 to 9, inclusive, is the same as that hereinbefore de-

scribed, with these exceptions: that the tongue  $a^2$  of that of Figs. 1 to 3 is omitted and one member,  $a$ , connected with the other,  $a'$ , by means of a threaded bolt  $a^5$ , as clearly illustrated in Fig. 8, with the interposed filler inverted-U-shaped plates B mounted to position between the extended parts of the holder A. The clamps D in the present instance are slightly modified as to form in order to fit snugly the V-shaped grooved edge  $e^{10}$  of the plate C, as clearly illustrated in Figs. 8 and 9 of the drawings.

In Figs. 10 and 11 are illustrated types of combination filler-plates E for extending sideways the holder A to adapt the same for the reception of plates C of larger size—for example, such as indicated in dotted lines in Fig. 9 of the drawings.

It may be here remarked that when all the parts of the holder are in normal or operative position—for example, as illustrated in Figs. 1 and 7—the sides and ends thereof will present a perfectly plain or smooth surface for placing against the same on the sides or ends blanks or type and thereby adapting the holder for use along with other matter in the making up of a form for deriving impressions therefrom, and which is due to the compact form of the holder and susceptibility of ready adjustment of the clamping means of the same, as well as the extensible features thereof in different directions.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

An adjustable holder for stereotype and other plates, comprising two members whereof one is provided with a tongue and the other is provided with internal guideways and with a device for permitting of the extension of said members, fillers interposed between the extended members of said holder and adjustable clamps connected with said holder and adapted to engage and hold an inserted plate to required position, substantially as and for the purposes described.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

CHRISTIAN C. KELLER.

Witnesses:

J. WALTER DOUGLASS,  
THOMAS M. SMITH.