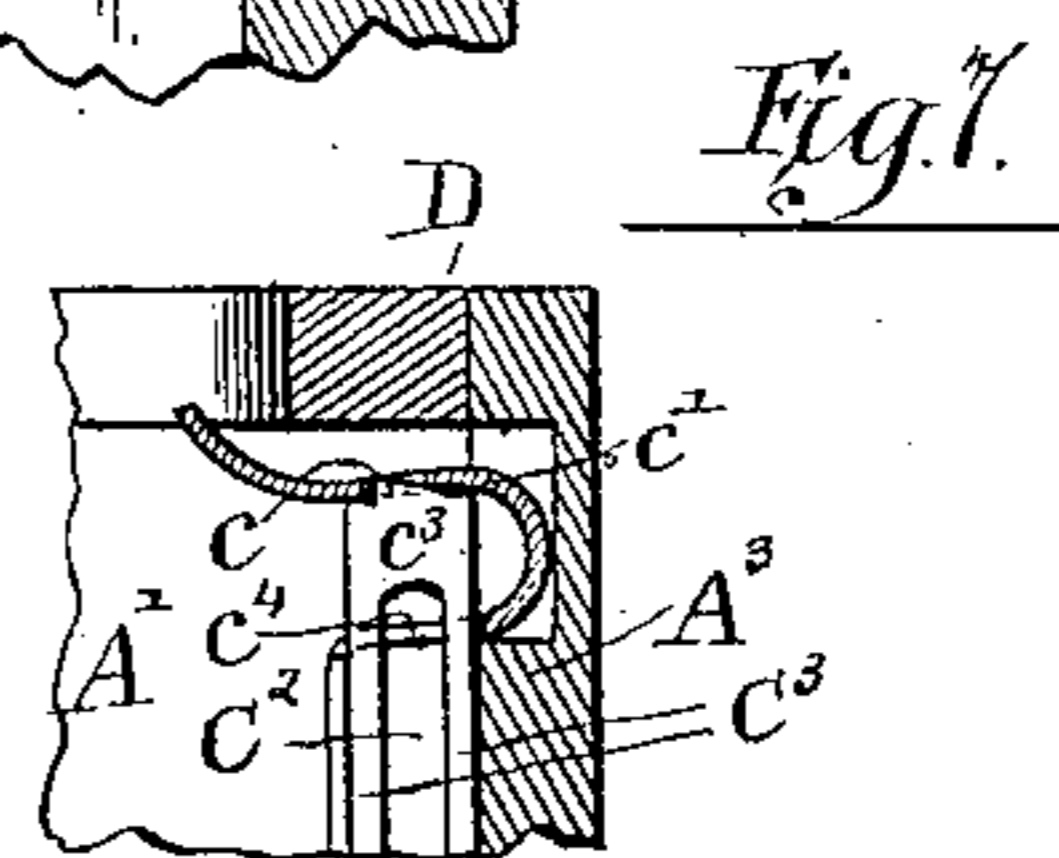
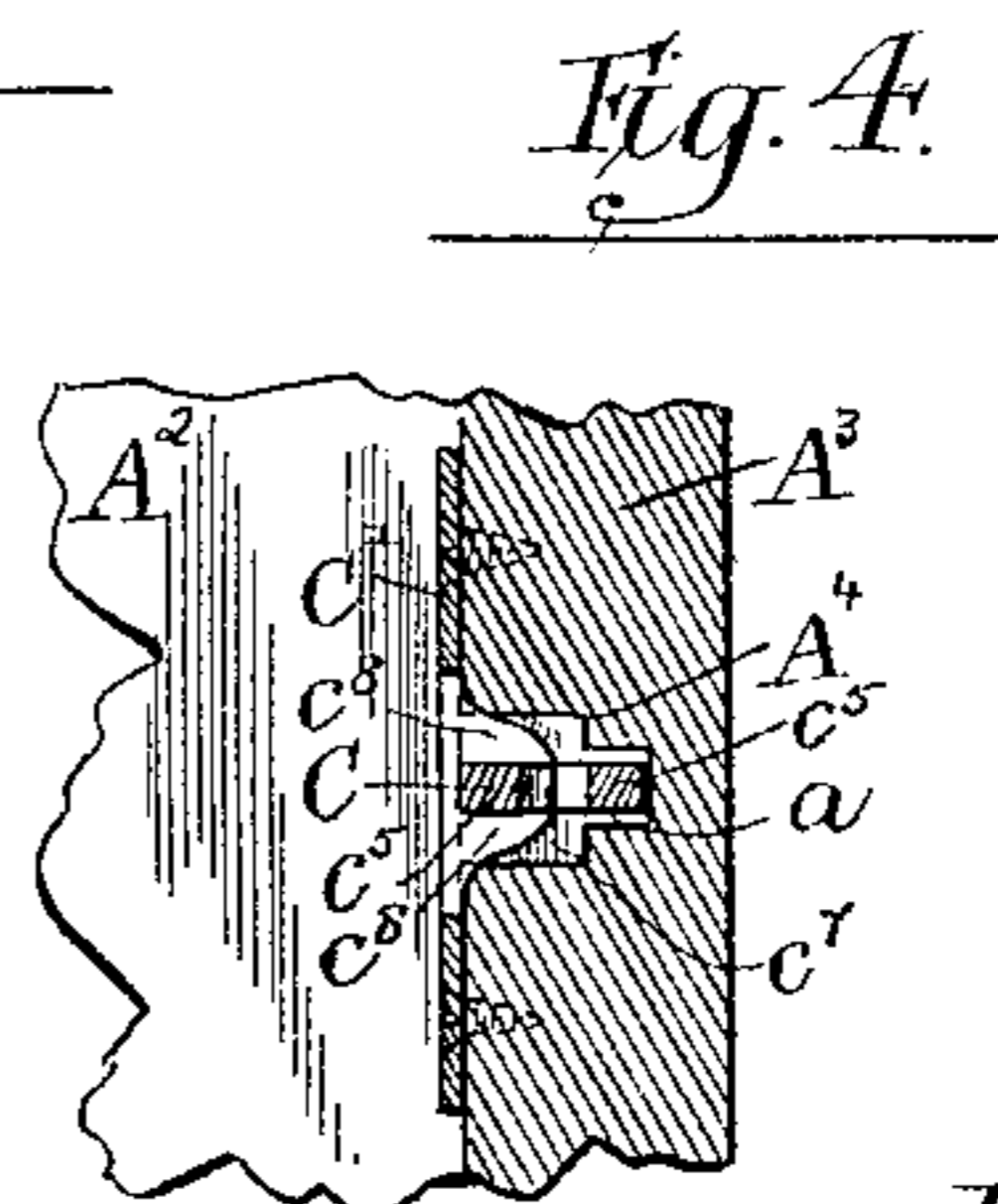
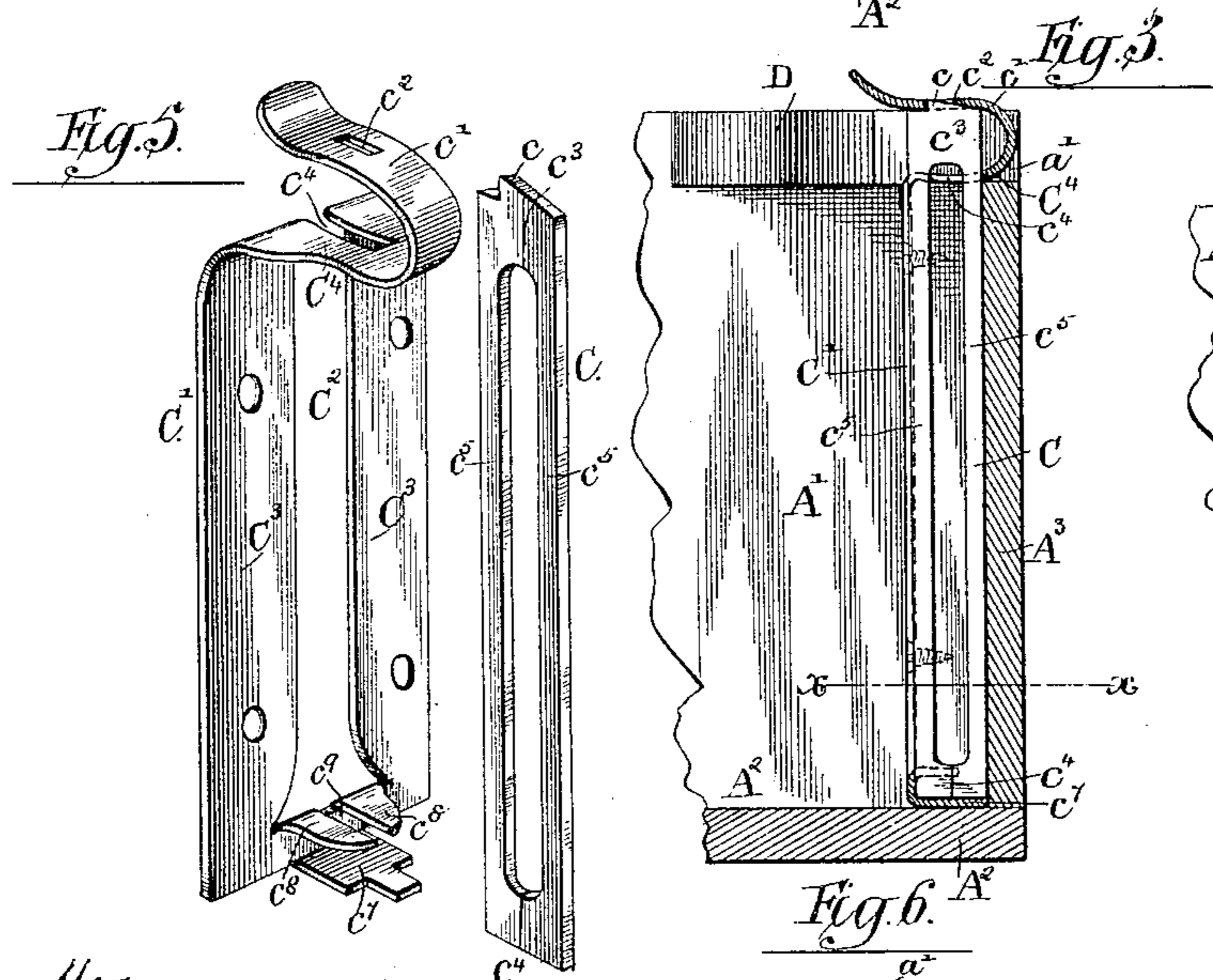
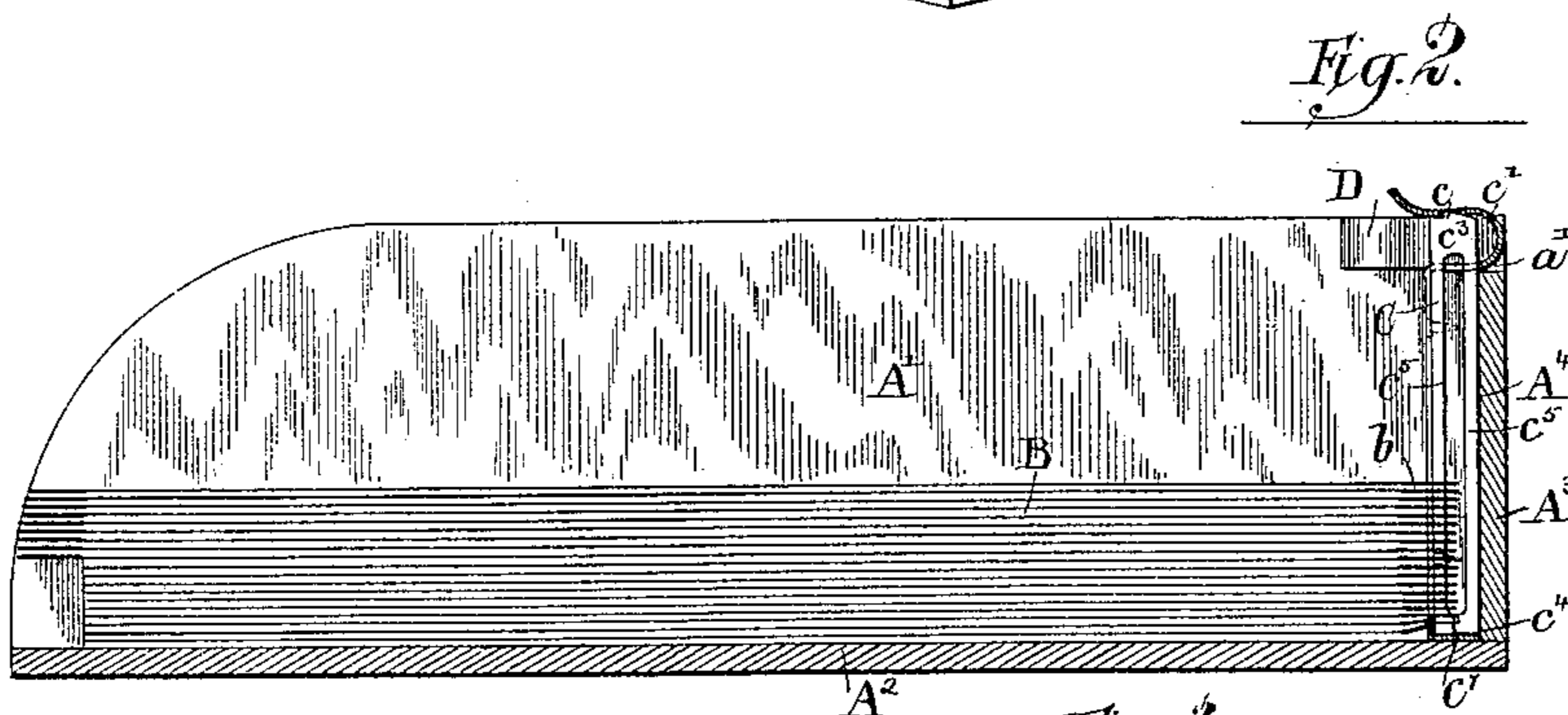
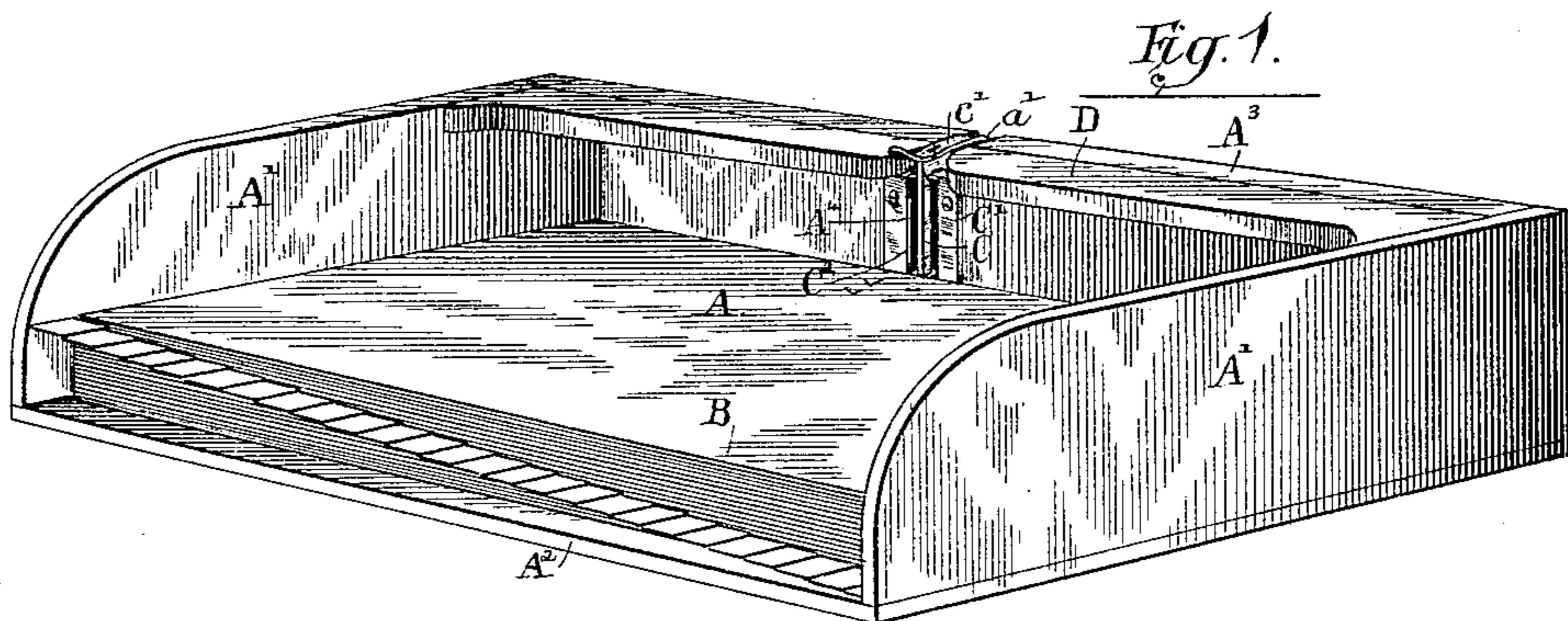


(No Model.)

A. L. BROWN.
FILING RECEPTACLE.

No. 386,451.

Patented July 24, 1888.



Witnesses:-
Louis M. Whitehead.
C. C. Poole

Inventor: _____

Aaron L. Brown.

by:
W. E. Dayton

Attorney:-

UNITED STATES PATENT OFFICE.

AARON L. BROWN, OF CHICAGO, ILLINOIS.

FILING-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 386,451, dated July 24, 1888.

Application filed November 19, 1886. Serial No. 219,389. (No model.)

To all whom it may concern:

Be it known that I, AARON L. BROWN, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Filing-Receptacles; and I do hereby declare that the following is a full, clear, and exact description thereof, 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 that class of indexed filing cases or receptacles for papers which are provided with a series of index-sheets for the purpose of separating the papers or documents placed within the receptacle and a rod or post for holding the index-sheets within the case.

The object of the invention is to provide an improved construction in means for detachably securing said rod to the receptacle; and it consists in the matters hereinafter described, and pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a filing-case provided with devices constructed in accordance with my invention. Fig. 2 is a central transverse section of the same. Fig. 3 is an enlarged detail section showing the holding-rod and the parts of the receptacle adjacent thereto, the index-sheets in this case being omitted. Fig. 4 is a detail section through the post, taken upon line *x x* of Fig. 3. Fig. 5 is a perspective view of the holding-post and of the sheet-metal holding device upon the receptacle. Fig. 6 is a detail top plan view of the device for holding the upper end of the rod. Fig. 7 is a detail sectional view of the part of the receptacle adjacent to the top of the rod, illustrating a modified form thereof.

In the said drawings, A indicates a filing-case, which, in the particular form thereof herein illustrated, consists of two parallel sides, A', a bottom, A², and a back piece, A³, and is provided with a series of index-sheets, B, forming an expansible index.

C is a rod or post for holding the index-sheets within the receptacle, said post being removably connected with the receptacle, so that, in connection with the index-leaves and the papers between them, it may be removed and transferred to another and permanent filing-case or otherwise disposed of.

The receptacle A is, as herein shown, provided upon the upper margin of the back piece, A³, with an inwardly-projecting ledge, D, the purpose of which is to prevent the top index-sheet from rising above the back of the case when the latter is full or nearly full of papers.

The index-sheets B may be connected in any desired manner with the rod C—as, for instance, they may be provided with apertures near their rear margins for the passage of the rod, or they may be connected with the said rod by means of metal eyes or loops engaging the rod and attached to the middle of the rear margins of the sheets so as to project therefrom, as illustrated, for instance, in another application for patent upon a holding-rod forming a division of a prior application, Serial No. 112,366, made by me upon the 21st day of November, 1883; or said sheets may be provided with projecting pieces or tabs constructed to enter the recess A⁴ and engage the rod therein, as clearly shown in Fig. 2.

As an improved construction in means for holding the rod within the receptacle, I construct the devices for holding both the upper and lower ends of the rod in a single bent metal piece or plate, (more clearly shown as a whole in Fig. 5,) which is adapted for attachment to the inner face of the back piece, A³, and is formed at its lower end in such manner as to hold in place the lower end of the rod, and is provided at its upper end with a forwardly-bent part, *c'*, forming a spring-catch adapted to detachably engage the upper end of the rod.

As shown and preferably constructed, the rod C is located in a groove, A¹, formed in the inner face of the back A³, and the plate C' is secured to the inner surface of the back A³, and is provided with a central vertical opening or slot, C², arranged to coincide with the groove A¹, the plate being attached to the receptacle by nails or screws inserted through the parts C³ C³ of the plate at the sides of the said slot. The said plate also, at its lower end, is provided with parts bent backwardly into the lower end of the groove A¹ to support the lower end of the rod, and at its upper end is made with a double bend comprising a part, C³, extending horizontally backward over the groove A¹, and an upper forwardly-bent part forming the spring-catch *c'*, the horizontal

part C⁴ being provided with a notch, c⁴, opening into or forming a continuation of the slot C², for the purpose of receiving the upper end of the rod when the latter is inserted into the groove A⁴, as clearly shown in Figs. 2, 3, and 5.

As herein shown and preferably constructed, the rod C is made in the same form as the rod shown in another application for patent, which forms one division of a prior application, Serial No. 112,980, filed by me upon the 27th day of November, 1883, said rod being made flat and split or severed longitudinally, so as to form two bars, c⁵ c⁵, which are joined at their tops by means of the cross-piece c³ and at their lower ends are unconnected and provided with abutting projections c⁶, whereby said projections may be separated to permit the tags b of the index-sheets to be strung upon the bar c⁵ of the rod. The said rod, as herein shown, also, is provided upon its upper end with a projection, c, adapted to engage a notch, c², formed in the metal of the spring-catch c'. The said projection c is desirably beveled or inclined at the rear surface of its upper edge, as clearly shown in Fig. 5, so that when the lower end of the rod has been inserted in place the said projection c may be readily caused to engage the aperture c² by thrusting the upper part of the rod backwardly beneath the catch, which will be lifted by the action of the inclined surface of the projection in an obvious manner. The said projection upon the rod is shown in the said separate application, and is not therefore in itself herein claimed.

As far as the other parts of the fastening device described are concerned, the lower part of the plate C' may be shaped and bent in any suitable manner to afford proper lateral and vertical support to the lower end of the rod. As herein shown, however, the lower part of the said plate is made as follows:

Upon the lower end of the plate C' is a projecting part, c⁷, which is bent rearwardly at right angles to said plate and enters the lower end of the groove A⁴. At the lower end of the slot C², which terminates a short distance above the bottom of the receptacle, are formed two projecting parts, c⁸ c⁸, which are also bent rearwardly at right angles with the plate, so that they stand parallel with the parts c⁷ and slightly above the latter. The projections c⁸ c⁸ are laterally separated, so as to form an opening or slot, c⁹, of the same width as the thickness of the post C, the said projections c⁷ c⁸ c⁸ together forming vertical and lateral supports for the lower end of the rod C. In the particular construction of the groove A⁴ herein shown the latter is provided with a narrow inner portion, a, in which the rear part of the rod C is received, and the projection c⁷ is properly shaped at its end to enter said portion a, as clearly shown at the lower part of Fig. 5.

The opening or slot c⁹ for the lower end of the rod and the slot c⁴, formed in the back-

wardly-bent part C⁴ to receive the upper end of the rod, are preferably made to accurately fit the latter, so that it is held at both ends from lateral displacement by contact with the metal of the plate. It is entirely obvious in this connection that the slots c⁴ and c⁹, or parts corresponding therewith, may be made to similarly fit and hold from lateral displacement a rod of other shape than that shown.

The back piece, A³ of the case will usually be cut away or notched at the upper end of the groove A⁴, as indicated at a', Figs. 2, 3, and 6, to permit the entrance of the backwardly-bent part a⁴ of the plate and the rear part of the catch connected therewith.

One important advantage of making the holding devices for both ends of the rod in one piece of metal is that the rods will always fit the receptacle, notwithstanding any inaccuracy fitting of the wooden parts or shrinkage of the latter.

As far as the general advantages obtained by the use of the holding devices described are concerned, the rod may obviously be made of other form than that herein shown, and my invention, as set forth in the appended broad claims, upon the holding devices is not, therefore, restricted to a rod of the particular form shown.

In the form of the device shown in Fig. 7 the catch c' is located below the top edge of the back wall, A³, of the case and the ledge is extended continuously across the receptacle over the catch. This construction is of advantage, inasmuch as it obviates liability of the catch being lifted and the rod released in grasping the ledge in the handling of the receptacle, and is therefore made the subject of a specific claim herein.

It is to be understood that the appended claims cover the devices therein set forth when said devices are in form to obtain either, any, or all of the purposes, objects, advantages, or functions obtained by or belonging to them in the particular form thereof herein illustrated.

I claim as my invention—

1. The combination, with a filing-receptacle, a series of index-sheets, and a rod or post engaged with the index-sheets, of means for securing the rod in the receptacle, consisting of a single metal plate forming both a bearing or support for the lower end of the rod and a spring-catch to engage the upper end of the said rod, substantially as described.

2. The combination, with a filing-receptacle, a series of index-sheets, and a rod or post engaged with the index sheets, of means of securing the rod in the receptacle, consisting of a metal plate provided at its lower end with projecting parts c⁷ c⁸ c⁸, constructed to form a support for the lower end of the rod, and having its upper end bent to form a spring-catch, c', substantially as described.

3. The combination, with a filing-receptacle, a series of index-sheets, and a rod or post en-

gaged with the index-sheets, of holding devices for the post, consisting of a metal plate having projections at its lower end, forming a support for the lower end of the rod, and having at its upper end a rearwardly-bent part, C⁴, provided with a slot, c⁴, and a spring-catch, c', forming a continuation of the part C⁴, substantially as described.

4. The combination, with a filing-receptacle provided with a groove or recess, A⁴, in its back wall, a series of index-sheets, and a holding rod or post adapted for insertion in the said groove or recess, of holding devices for the rod, consisting of a plate provided with a vertical slot, C², and with projections c⁷ c⁸ c⁸ at its lower end, forming a support for the lower end of the rod, and having at its upper end a spring-catch, c', formed of metal composing the plate, substantially as described.

5. The combination, with a filing-receptacle and a series of index-sheets and a post or rod provided with a projection, c, at its upper end, of a holding device for the said post or rod, consisting of a plate, C', having projections at its lower end, forming a support for the lower end of the rod, and having a spring-catch, c', formed of the metal composing the plate at the upper end of the latter, said spring-catch being provided with an aperture, c²,

adapted to receive the projection c, substantially as described.

6. The combination, with a filing-receptacle, a series of index-sheets, and a link-shaped rod split at one point for engagement with the sheets, of a holding device for the rod, consisting of a plate, C', secured to the receptacle and having projections at its lower end, forming a support for the lower end of the rod; and provided at its upper end with a spring-catch formed of the metal composing the said plate, substantially as described.

7. The combination, with a filing-receptacle, a series of index-sheets, and a rod or post, of a holding device for the post, consisting of means for engaging the lower end of the rod and a spring-catch constructed to engage the upper end of the rod, and a ledge, D, extending continuously along the rear upper edge of the receptacle over the said spring catch, substantially as described.

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

AARON L. BROWN.

Witnesses:

C. CLARENCE POOLE,
M. E. DAYTON.