

(No Model.)

T. J. AMBERG.

HOLDER FOR EXPANSIBLE INDEXES IN PAPER FILES.

No. 559,762.

Patented May 5, 1896.

Fig. 1.

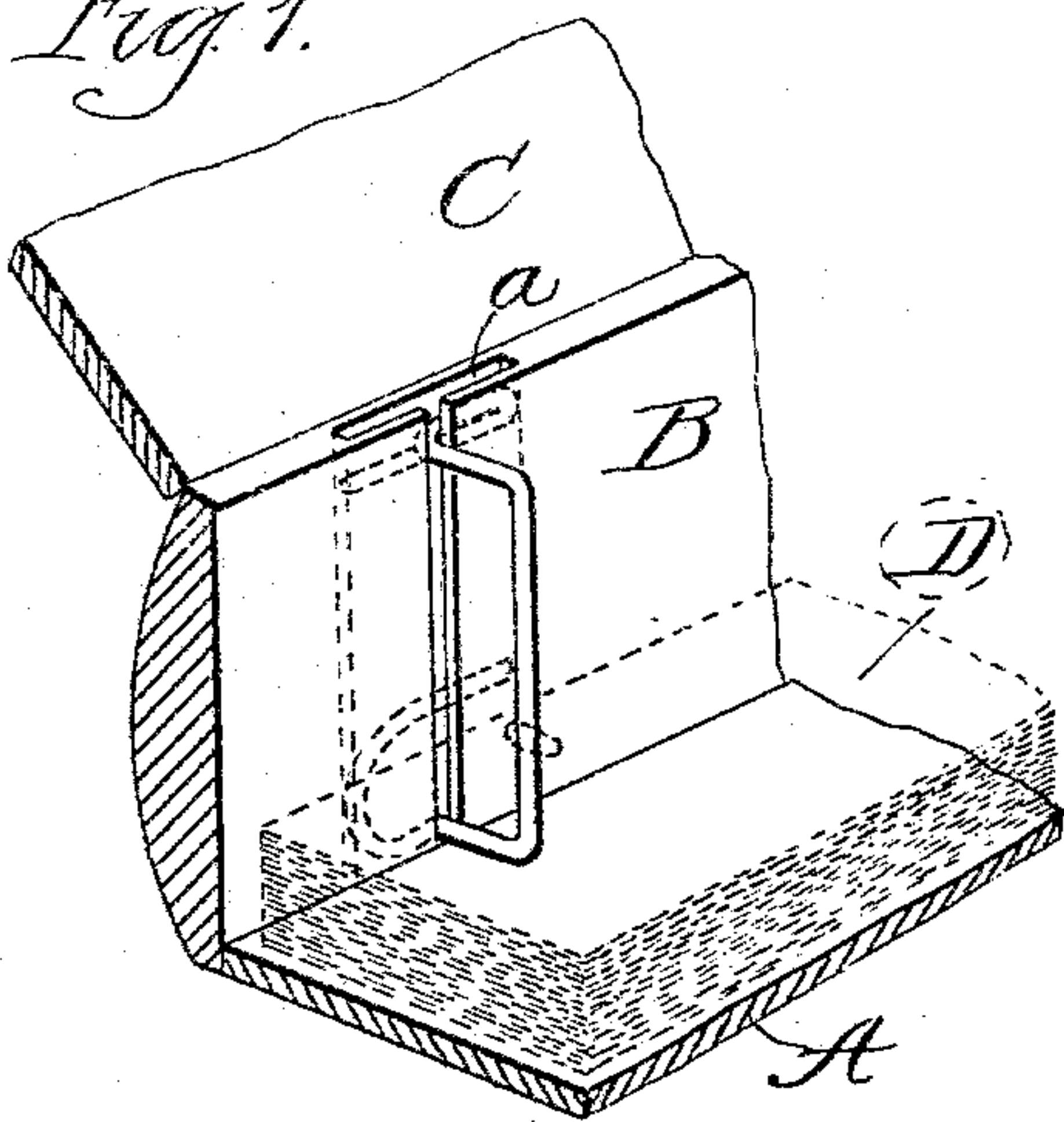


Fig. 2.

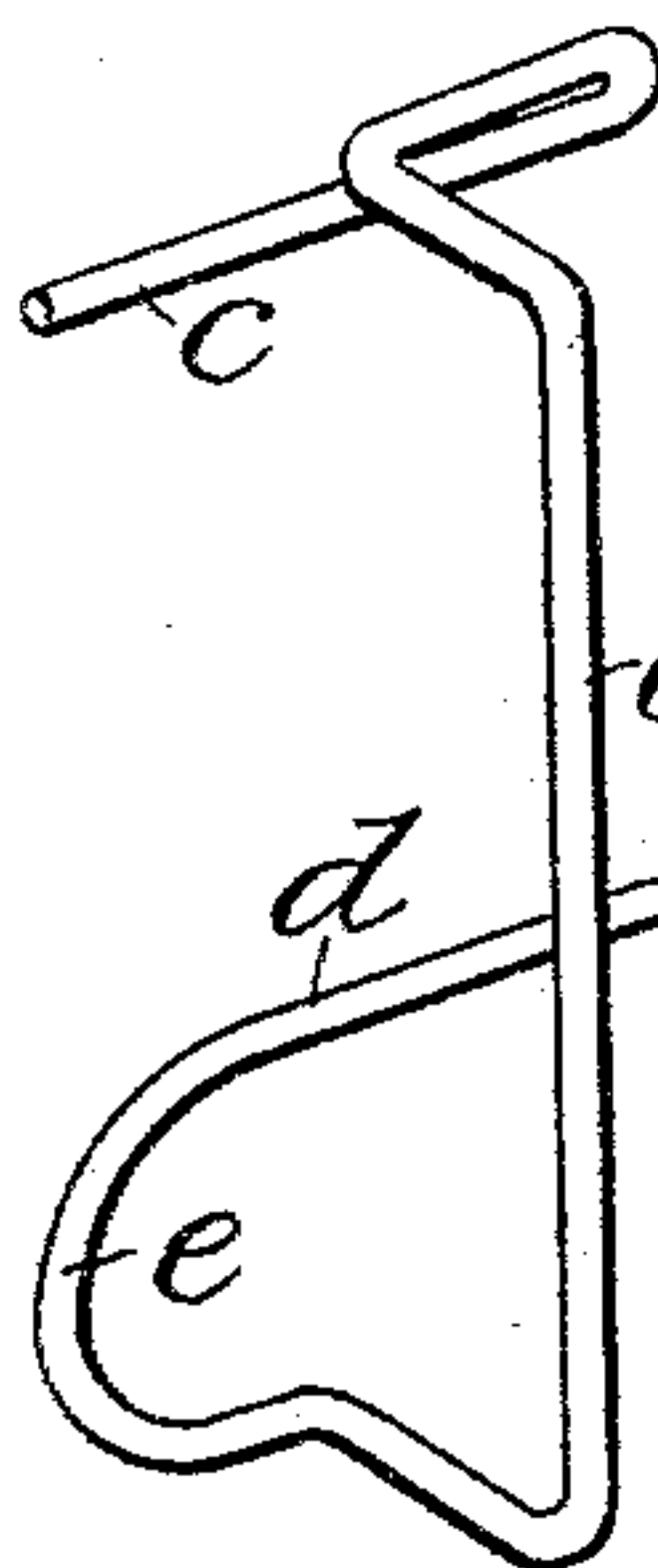
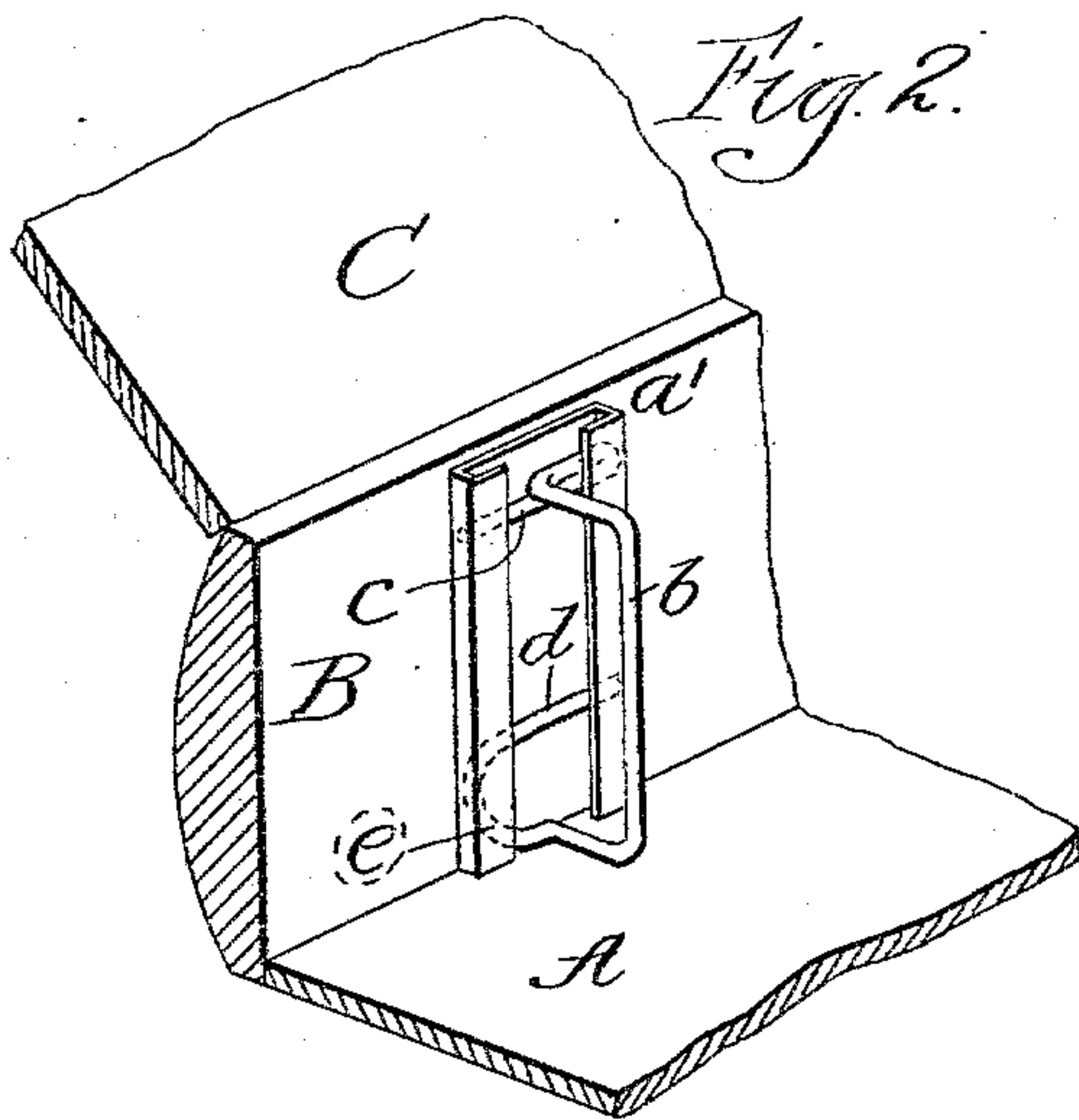
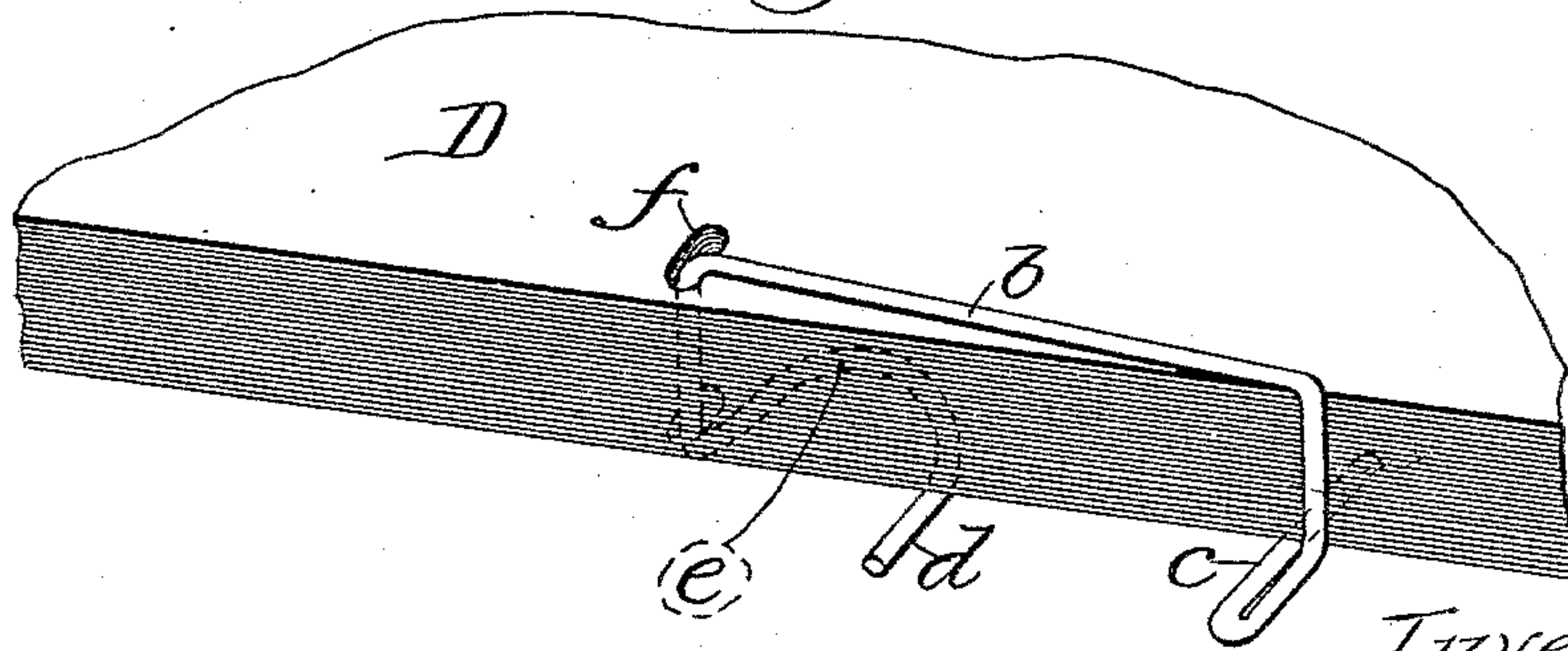


Fig. 3.

Fig. 4.



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THEODORE J. AMBERG, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE AMBERG
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HOLDER FOR EXPANSIBLE INDEXES IN PAPER-FILES.

SPECIFICATION forming part of Letters Patent No. 559,762, dated May 5, 1896.

Application filed November 17, 1894. Serial No. 529,208. (No model.)

To all whom it may concern:

Be it known that I, THEODORE J. AMBERG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Holders for Expansible Indexes in Paper-Files, of which the following is a specification, reference being had to the accompanying drawings, in which—

10 Figure 1 is a view showing a broken section of the bottom, back, and cover of a file-case with the index-sheets in position. Fig. 2 is a modified view with the index-sheets omitted. Fig. 3 is a view of the holder, and
15 Fig. 4 is a view showing the index-sheets in broken section and the holder in position for packing the sheets for transportation or other purpose.

The object of this invention is to improve the
20 holder shown in Letters Patent No. 325,625, dated September 1, 1885, and particularly that form in which the holder is made wholly of wire. In the wire holder of the patent referred to the holding-wings are formed by
25 bending the wire so that one end of the wire will form a holding-wing for one side and the other end a holding-wing for the opposite side. In the form here shown the wire is so bent
30 as to form holding wings or projections for both sides at each end of the holder, and also to provide means for placing the index-sheets on such holder.

In the drawings, A indicates the bottom, B the back, and C the cover, of a permanent file-
35 case; D, the index-sheets, which are provided on their outer margins with index reference letters, dates, or figures designed to indicate the matter placed between such sheets.

The holder is designed to be used in either
40 permanent or temporary letter or paper files, and it will be understood that temporary holders do not have the cover C here shown, so that the box, hereinafter referred to as the "case," will be understood as meaning a case
45 with or without a cover. The back of the case B is provided with a grooved holder, which may be by a groove *a* in the body of the back piece, as shown in Fig. 1, or by a metal attachment, as shown in Fig. 2. The
50 holder *b* is composed of a wire bent as shown in Fig. 3. The upper end of the wire is bent

backward a sufficient distance to give the holding-rod *b* a proper projection. It is then bent sidewise at right angles with the projecting part and returned with a sufficient length
55 of wire or metal *c* to form a wing or projecting holder on the opposite side of the first bend, thus forming a cross holding projection—that is, one which projects at both sides of the rod *b*. The lower end of the rod *b* has a
60 corresponding inward bend to give the necessary inward projection, and it is then bent sidewise and carried upward with a curve *e*, so as to form a wing or projection on that side of the holding-rod, and it is then carried
65 across to the opposite side, so as to form a wing or holding projection *d* at that point, thus forming a cross holding projection at the lower end of the rod *b*. The object of the construction of the lower end in the form
70 shown is to enable the sheets to be threaded on the rod and turned around into position for use, as shown in Fig. 1. An index-holder is thus formed of a single wire on which the index-sheets may be placed without any un-
75 usual appliances and the sheets will be supported on the rod when in place, and the rod will be supported at each end and at both sides. If desired, the holder *b* may be placed in the reverse position to that shown in the
80 drawings, so that sheets can be added or removed at the top; or, if desired, both ends of the holder may be made of the shape shown for the lower end of said holder, so that the sheets can be applied either at the top or bot-
85 tom, or both. Furthermore, instead of providing cross projections at both ends of the holder, as illustrated, a cross projection may be provided at one end and a projection extending at one side only of the holder at the
90 other end—as, for instance, by terminating the part *d* at the bend *e*; but I prefer providing the cross projections at both ends, as the holder is thereby made much firmer.

The art of flat filing or filing by the use of
95 index-sheets which will separate and expand in reference to each other, so as to receive the file matter, is well known, so that a description of the sheets themselves is not necessary. It will be observed, however, that they are
100 perforated at *f* with an oval perforation, the oval form of the perforation being for the pur-

pose of giving greater freedom when the front edges of the sheets are raised. This freedom, however, can be obtained by the use of round holes made larger than the rod or wire. It will also be understood that the means for attaching the sheets may be made of metal, cloth, or paper eyes attached to the back of each sheet, and when so made the rod *b* need not project within the body of the box, or it will not need to project out within the body as far as here shown.

With many of the holders it is difficult to pack the index-sheets for shipment or storage without having the holder injure the sheets or the holder itself become deranged. In the form shown in Fig. 4 it will be seen that by turning the sheets onto either one of the rearwardly-projecting parts of the holder and turning the holder, as shown in said Fig. 4, the sheets may be closely packed for shipment or for other purposes, so that no harm or damage can come to either the holder or the index-sheets, and the projecting parts may

be so closely fitted as to form a lock for holding them together in this position, if desired.

I do not limit myself to the particular form of the retaining-bends here shown, as they may be greatly varied at such bendings and still retain the double-holding and the threading or sheet-connecting features.

That which I claim as my invention, and desire to secure by Letters Patent, is—

An index-holder consisting of a stem of wire bent rearwardly at its upper and lower ends, provided at one end with holding projections extending in opposite directions from the stem and in a plane in rear thereof, and at its other end provided with an extension projecting laterally to one side of the stem, then curved in the direction of the length of the stem, and finally carried across to the opposite side of said stem.

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Witnesses:

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