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PATENTED DEC. 4, 1906.

H. L. COWING.
PAPER FASTENER.
APPLICATION FILED OCT. 28, 1905.

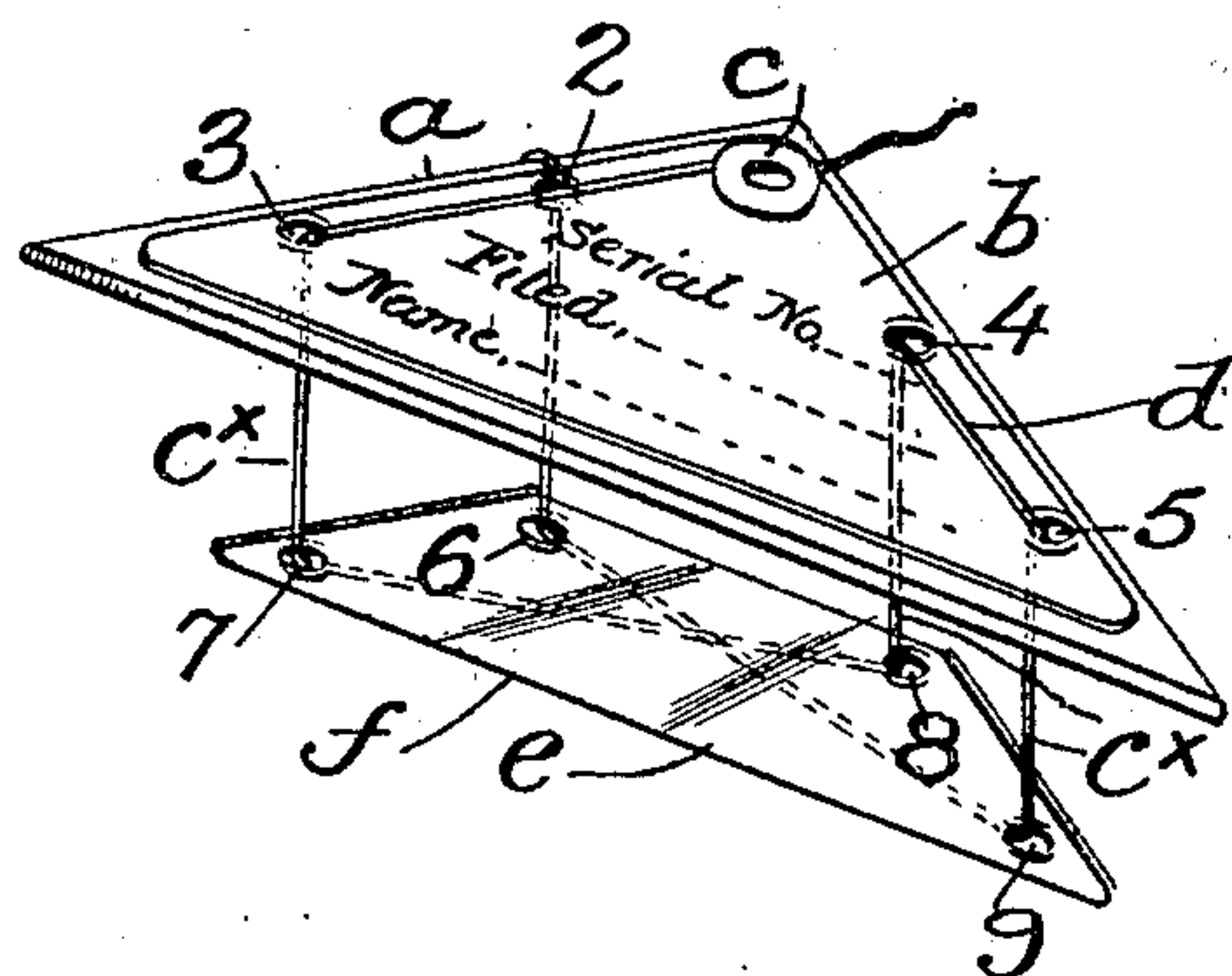
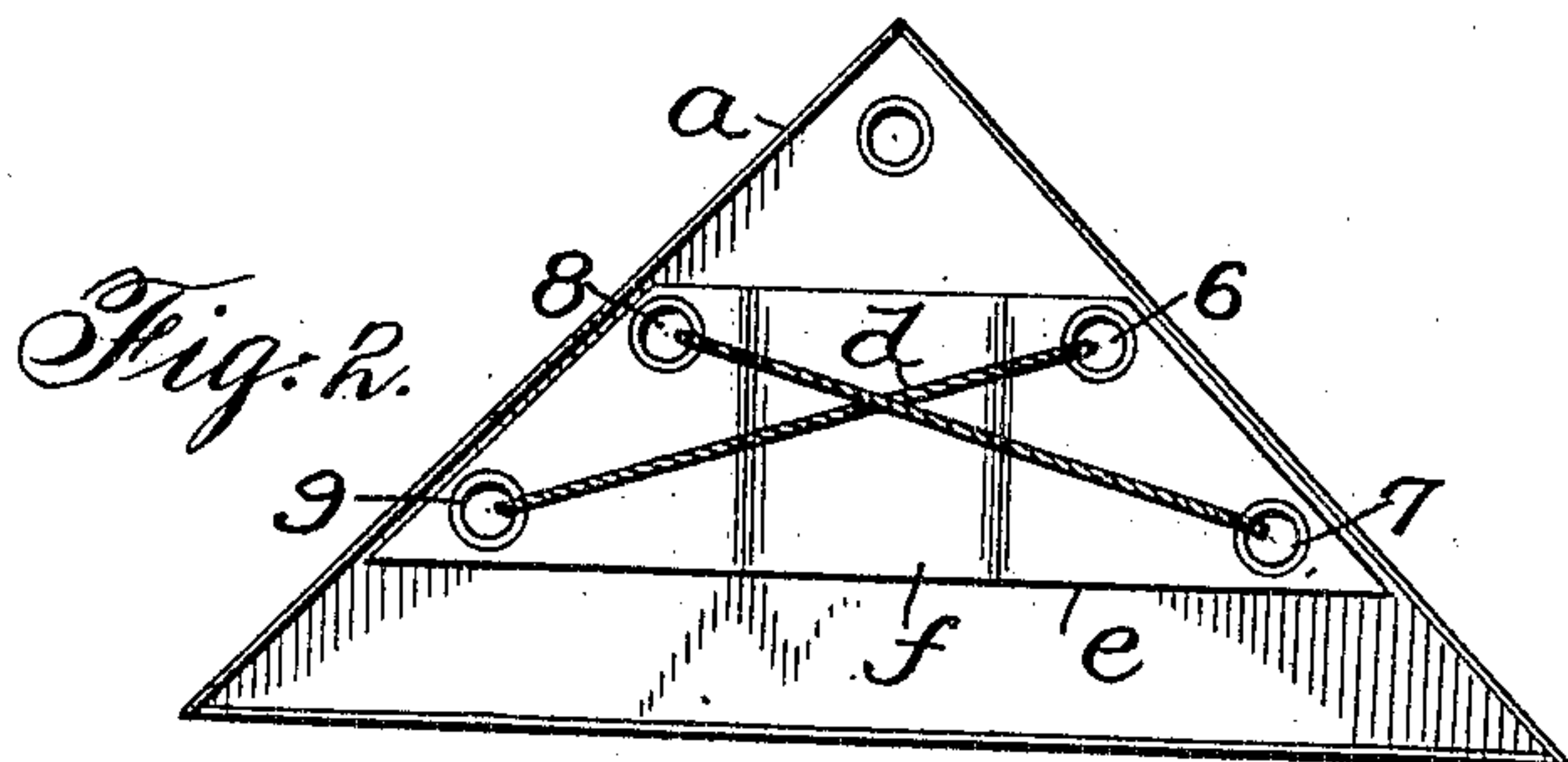
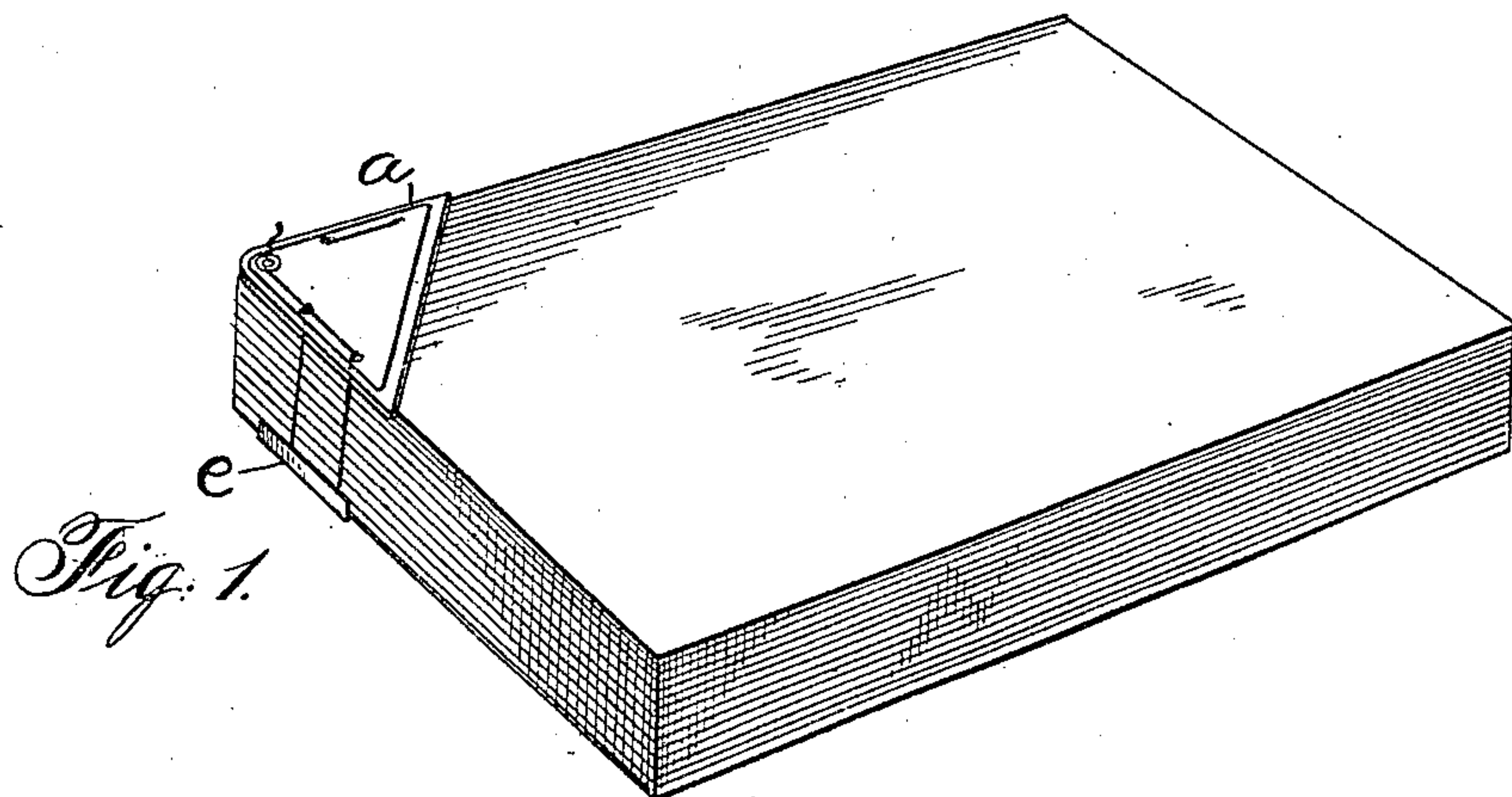


Fig. 3.

WITNESSES:

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PAPER-FASTENER.

No. 837,449.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HERBERT LEE COWING, a citizen of the United States, and a resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Paper-Fasteners, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in devices for fastening together papers, such as letters, invoices, legal documents, and the like; and the object of my invention is to provide such a device which will be cheap, efficient, and of great capacity and which will not require the mutilation of the papers by punching holes therein.

Briefly described, my new paper-fastening device consists of two pieces of metal having inclined sides (sheet metal being preferred, although other material may be used) provided with apertures through which a cord is threaded, the cord serving to draw the two pieces of metal together and to position the papers. A button fastened upon one of the members serves to hold the end of the cord.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 is a perspective view showing a bundle of papers bound together by my new fastener. Fig. 2 is a rear elevation of my new fastener, and Fig. 3 is a perspective view showing the cooperating triangular members separated and the manner in which the cord is passed through the apertures.

The upper triangular member *a* is formed with the apertures 2, 3, 4, and 5, arranged along two of the sides and provided, preferably, with eyelets, which serve to secure the card *b* and to save the parts from wear. In one of the angles is fastened a button *c*, about which the loose end of the cord *d* may be wound, the other end of the cord being firmly secured in place by the eyelet in the hole 2. The edges of the member *a* are flanged, which serves to strengthen them and to prevent buckling.

The lower member *e* is formed with the holes 6, 7, 8, and 9, which are provided with eyelets. The cord *d* is passed from the hole

2, in which it is secured by the eyelet, to the hole 6, immediately underneath, through said hole 6 and diagonally across the back of the lower member, Fig. 2, to the hole 9, thence through holes 9 and 5 and along the front of the upper member *a* to the hole 4, through the holes 4 and 8, thence diagonally across the back of the lower member *e* to the hole 7, through the holes 7 and 3, and thence around the button *c*. When the two members are separated, as shown in Fig. 3, the four parallel portions of the cord (marked *c*^x) serve to limit the distance to which the corner of the papers may be inserted, and thereby to position the papers.

The lower member *e* is curved inwardly at its central portion *f*, giving a spring effect to this member, which tends to prevent buckling and to hold the papers securely.

Upon the card *b* may be noted in writing the contents of the bundle of papers.

My new fastener has a wide range of action and will bind together two papers or fifty equally well.

What I claim is—

1. A paper-fastener made up of two triangular-shaped plates each formed with a plurality of apertures on each of two of its sides near the edge thereof; and a cord interlaced through each of said apertures, the portions of said cord between the plates being parallel to one another; and said parallel portions comprising two sets of guides which lie outside of the adjacent edge faces of a corner of the bundle of papers.

2. A paper-fastener made up of two triangular-shaped plates each formed with a plurality of apertures on each of two of its sides near the edge thereof; a cord which is interlaced through each of said apertures and one end of which is permanently fastened to one of said plates; the portions of said cord between the plates being parallel to one another and said parallel portions comprising two sets of guides which lie outside of the adjacent edge faces of a corner of the bundle of papers; and means mounted on one of said plates for fastening the loose end of said cord.

3. A paper-fastener made up of two triangular-shaped plates formed with apertures; eyelets in said apertures; a card secured by

said eyelets to the face of one of said plates;
a cord one end of which is permanently se-
cured to one of said plates by one of said eye-
lets, the other end of said cord being passed
5 through said apertures and the portions of
said cord between said plates being parallel
to one another; and means mounted on one

of said plates for securing the loose end of
said cord.

HERBERT LEE COWING.

Witnesses:

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