

(No Model.)

J. H. F. DIXON.
PAPER FASTENER.

No. 516,189.

Patented Mar. 13, 1894.

FIG. 1.

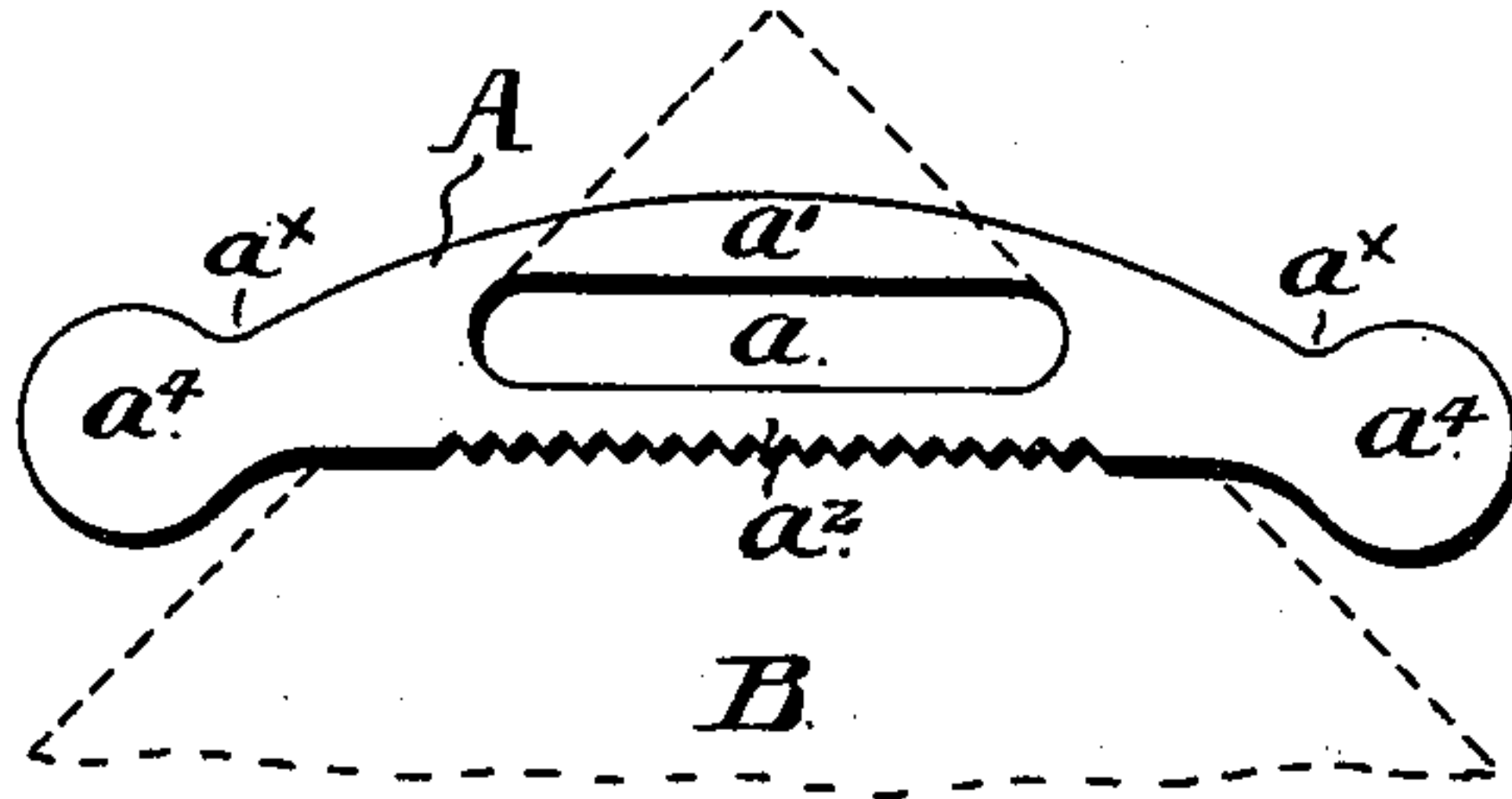


FIG. 2.



FIG. 3.

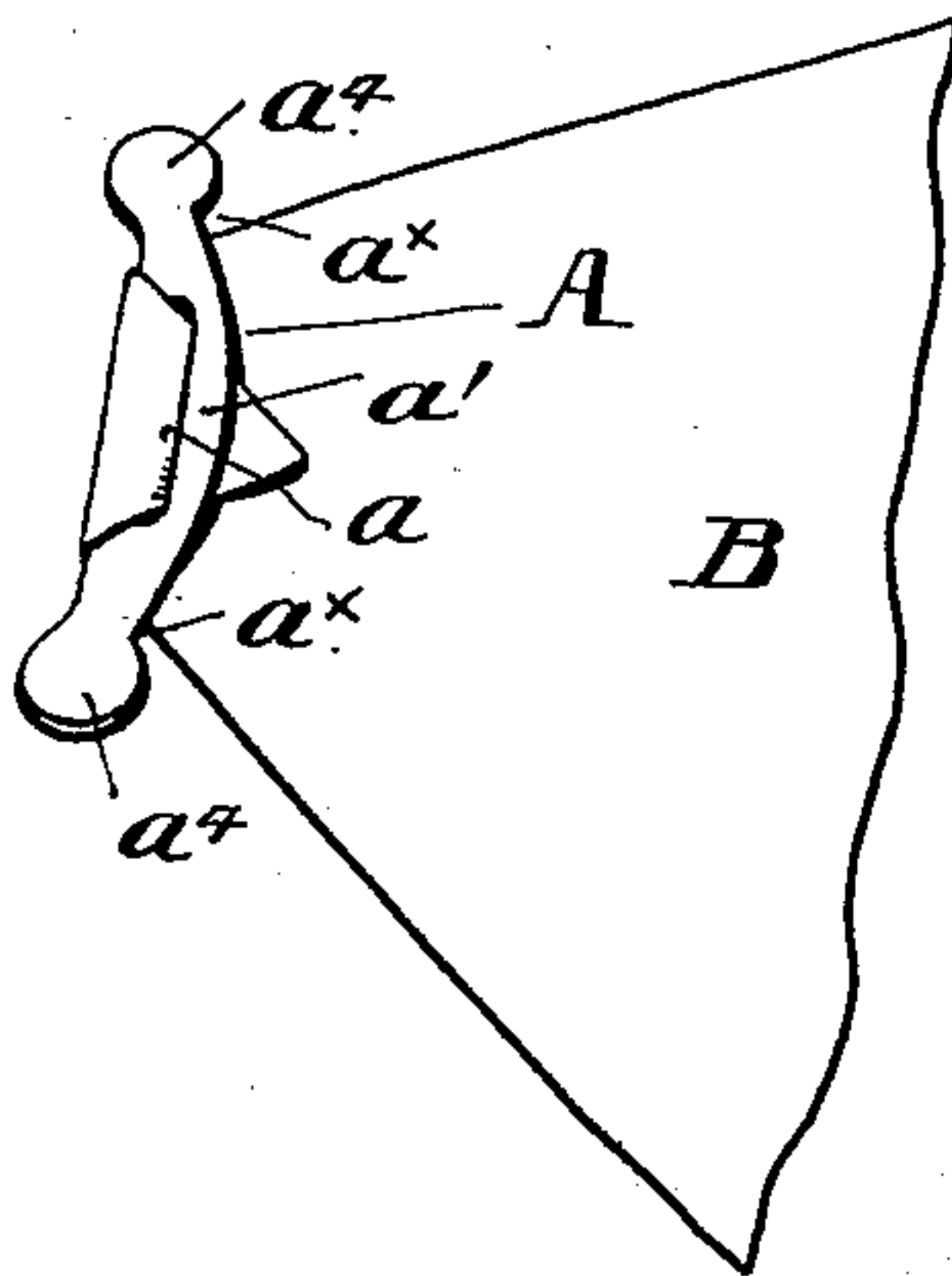


FIG. 4.

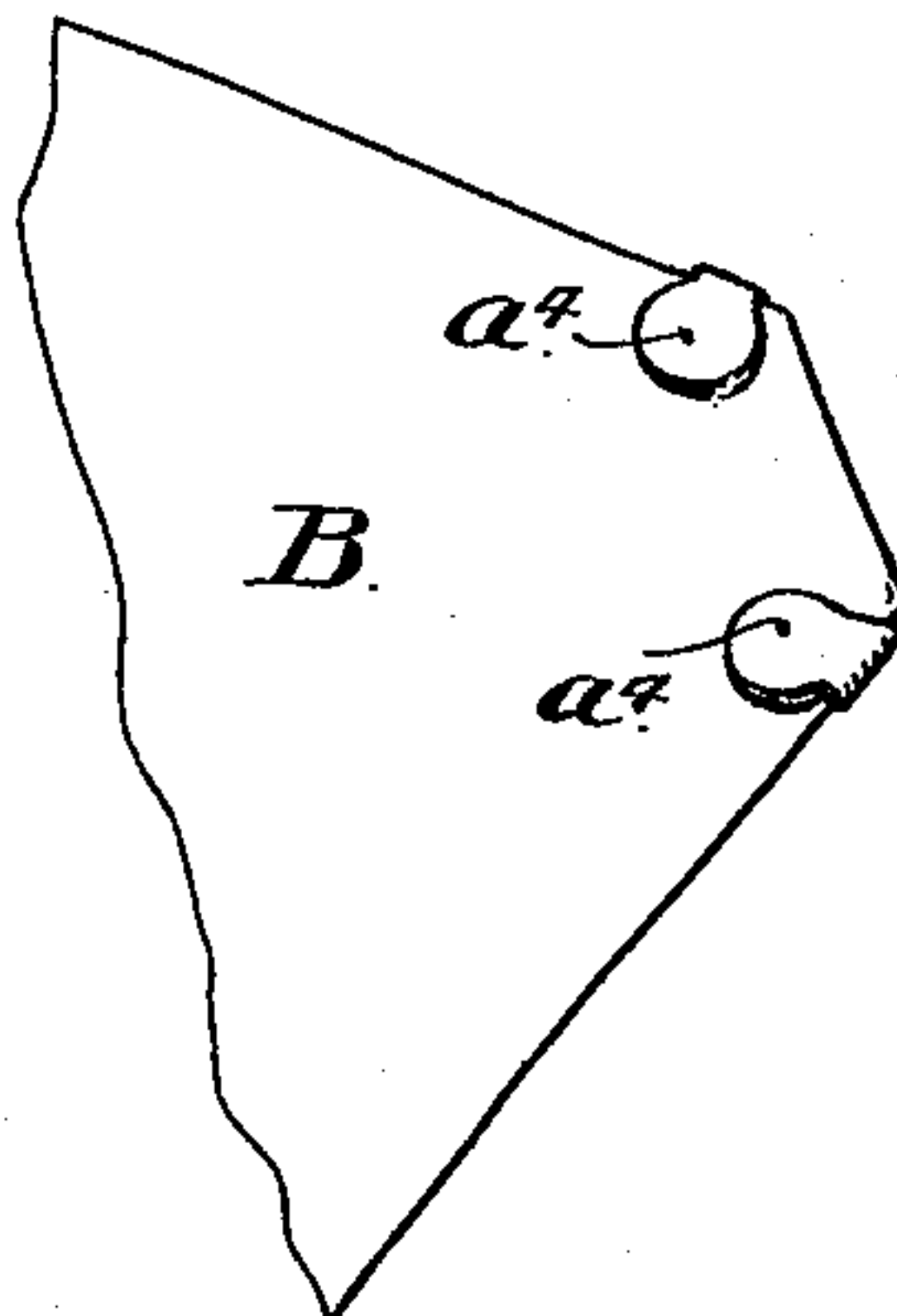
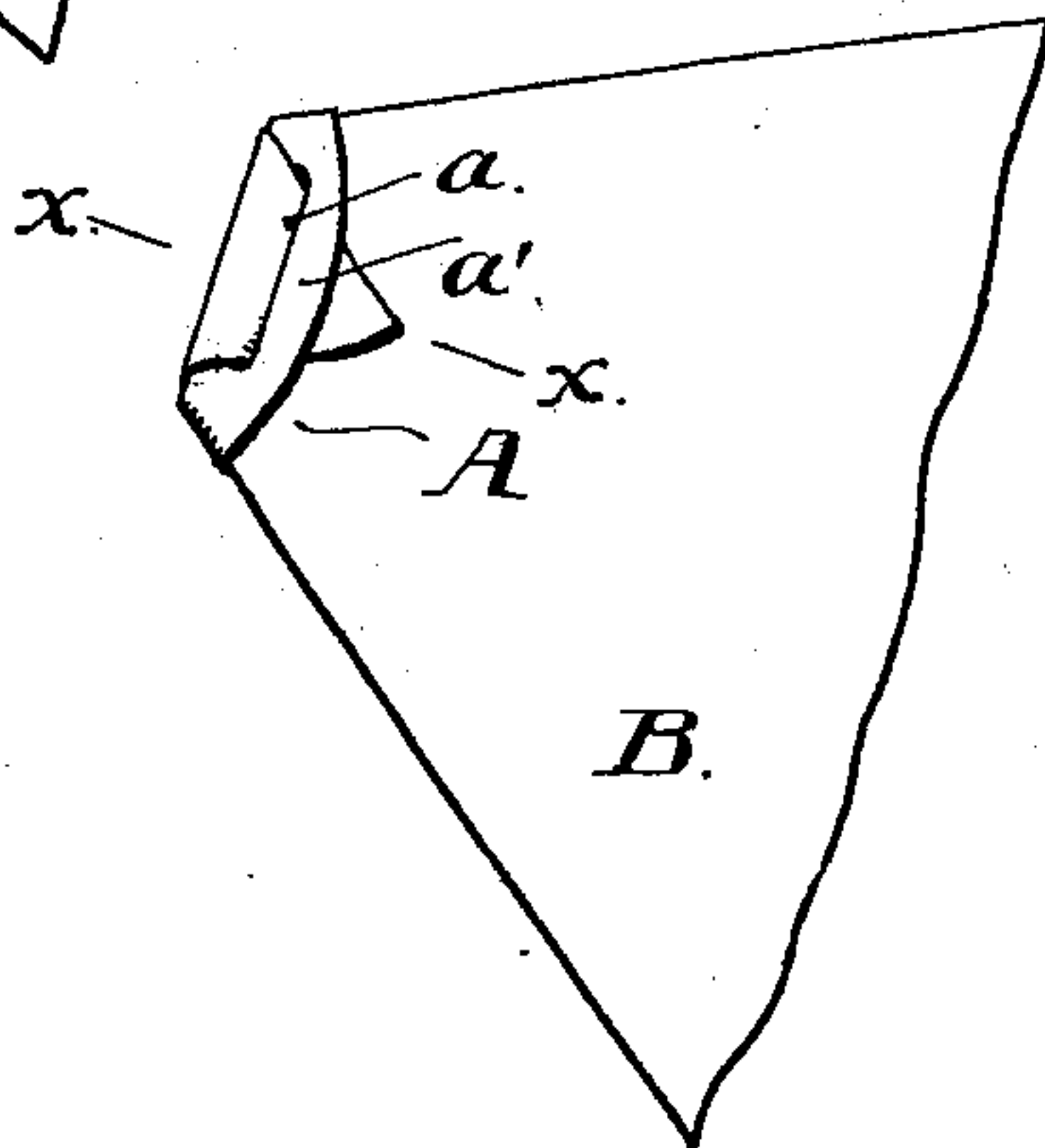


FIG. 5.



WITNESSES.

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PAPER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 516,189, dated March 13, 1894.

Application filed October 6, 1893. Serial No. 487,309. (No model.)

To all whom it may concern:

Be it known that I, JAMES HENRY FAIR-WEATHER DIXON, a citizen of the United States, residing at Philadelphia, in the State of Pennsylvania, have invented an Improvement in Paper-Fasteners, of which the following is a specification.

My invention relates to the class of paper fasteners designed to secure together a number of sheets of paper or similar articles by folding engagement with the corners of same and without the necessity for perforating the said papers, and it is the object of my invention to provide a paper fastener of this class which shall be simple, inexpensive, and easy of application, and which, when in position upon the papers, shall hold them together with exceptional security against accidental detachment.

A preferred form of my invention is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of my improved fastener, paper being shown in dotted lines, as in place therein. Fig. 2 is a central sectional view taken on the line xx of Fig. 5. Figs. 3 and 5 are views of the fastener and paper, illustrating the successive foldings to be made in applying the fastener. Fig. 4 is a rear view of the paper and fastener when the latter has been folded into its ultimate position.

Similar letters of reference indicate corresponding parts.

My improved fastener, A, consists of a strip of pliable metal, preferably sheet brass, and of the outline and proportions shown in Fig. 1, the same being provided with or embodying a longitudinally-extending and centrally-disposed slot, a , of length preferably somewhat less than one-half of its own.

In the employment of the device, the corners of the sheets, B, to be secured together, are inserted into the slot until the respective edges of the sheets encounter the metal at the respective ends of the slot. The fastener, being then in the position shown in Fig. 1, and held flatwise, as shown, so as to be practically in the same plane as the papers, (the fillet of metal, a' , at one side of the slot, and nearest the corners of the sheets, being behind the sheets, the other fillet, a^2 , at the other side of the slot, being in front of the sheets,) the cor-

ners of the paper, with the fastener thus mounted upon them, are bent forward and downward into the position shown in Fig. 3, and, in this bending of the paper, the slight rigidity of the fastener causes the fold in the paper to be made at the lower edge of the fillet, a^2 . When the fastener and paper have been brought to this position, the respective extremities, a^4 , of the band, which, as shown in said Fig. 3, project beyond the edges of the paper, are to be turned rearwardly to carry them behind and into contact with the rear face of the papers, as shown in Fig. 5. It will thus be seen that, when the fastener is brought to its ultimate position, the papers are folded over the fillet a^2 and brought back into contact with the body of the paper and held beneath the other fillet, a' , of the fastener; that, by reason of the fact that the two fillets exist in approximately a common plane, the fastener takes a strong frictional hold upon the corners of the paper extending through the slot; furthermore that the engagement of the extremities of the fastener behind the papers, secures the turned down corners of the papers very firmly beneath the fillet, a' , and against the face of the papers.

I prefer to provide the free extremities of the fastener at those portions of its length in which the bends occur when said extremities are folded behind the papers into the position shown in Fig. 5, with marginal notches or recesses, a^x , which serve both as a guide to the user to indicate the points at which said bends are to be made, and, by diminishing the breadth and therefore the resistance of the fastener at such points, to facilitate the making of said bends in the application of the fastener.

The extremities, a^4 , of the fastener preferably extend laterally slightly out of line with its body, as shown: Said extremities are slightly rounded to remove sharp corners and to impart a finished appearance to the whole.

The outer edge of the fillet, a^2 , may be serrated as shown.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. As an article of manufacture, a paper fastener adapted to secure together a series of sheets of paper by engagement in folded rela-

tionship with said sheets, the same consisting of a narrow strip of pliable metal embodying alongitudinally-extending centrally-disposed slot, the extremities of which fastener beyond
5 said slot extend laterally slightly out of line with its body, substantially as set forth.

2. As an article of manufacture, a paper fastener adapted to secure together a series of sheets of paper by engagement in folded relationship with said sheets, the same consisting
10 of a band or strip of metal embodying a longitudinally-extending centrally-disposed slot,

the extremities of which strip extend laterally somewhat out of line with the body of the fastener, and are provided with marginal
15 notches, substantially as set forth.

In testimony that I claim the foregoing as my invention I have hereunto signed my name this 5th day of October, A. D. 1893.

JAS. H. F. DIXON.

In presence of—

WALTER R. KURTZ,
W. H. CUNNINGHAM.