

(No Model.)

V. MUNGER.
PAPER FILE CLASP.

No. 578,349.

Patented Mar. 9, 1897.

Fig. 1.

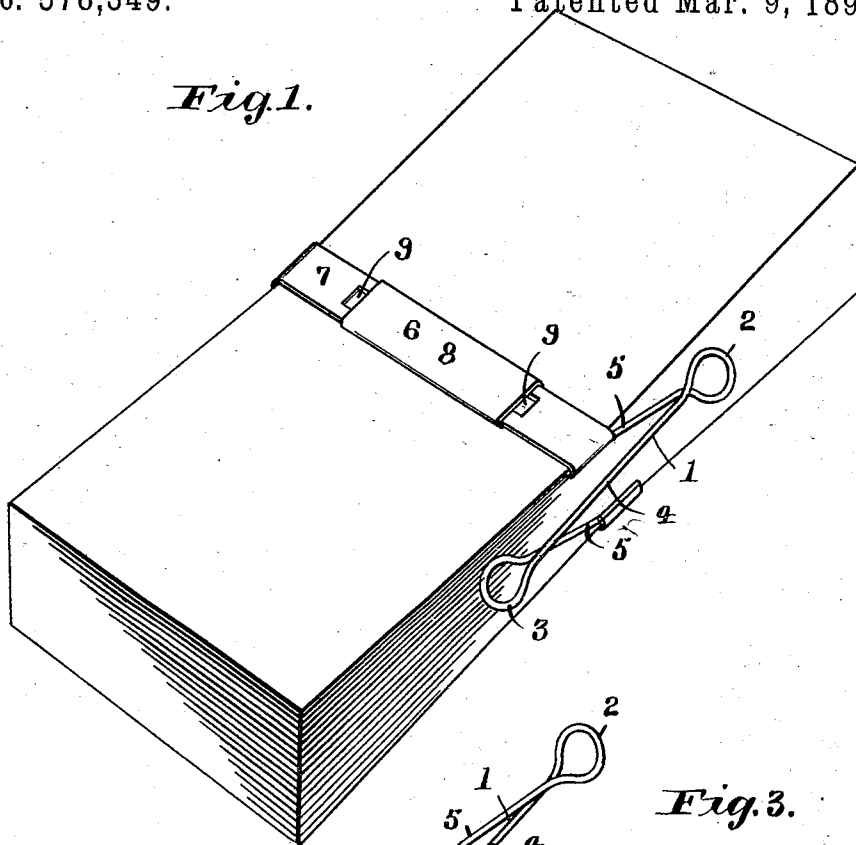


Fig. 2.

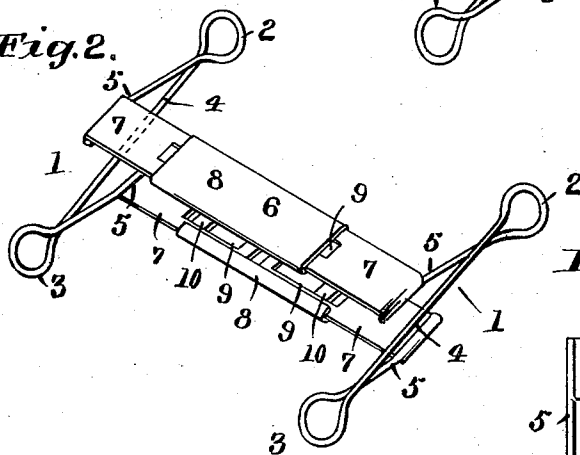


Fig. 3.

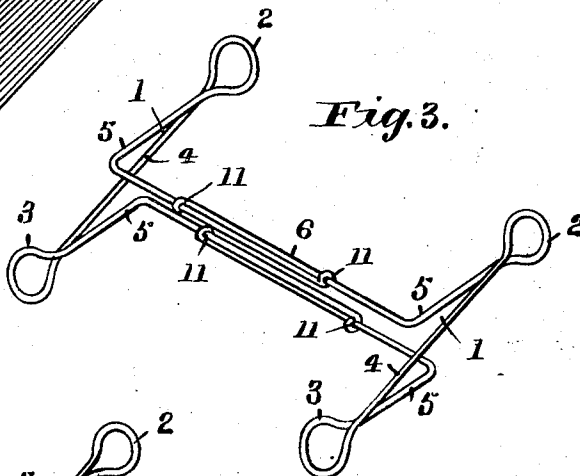
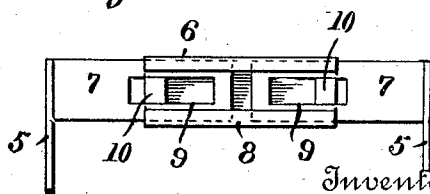


Fig. 4.



Witnesses

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PAPER-FILE CLASP.

SPECIFICATION forming part of Letters Patent No. 578,349, dated March 9, 1897.

Application filed December 10, 1896. Serial No. 615,090. (No model.)

To all whom it may concern:

Be it known that I, VERRENICE MUNGER, a citizen of the United States, and a resident of Ansonia, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Paper-File Clasps, of which the following is a specification.

My invention relates to new and useful improvements in paper-file clasps such as are used to bunch varying numbers of miscellaneous papers together.

It is the object of my invention to improve upon devices of the above class by making them adjustable for different widths of papers, as well as varying thicknesses, and to secure said results in such a manner that the device may be made of wire and sheet metal combined, or entirely of wire, as will later appear, and finally to generally strengthen and improve the device, so as to make it more desirable for practical use.

With these objects in view I have devised the simple and novel construction shown in the accompanying drawings, forming a part of this specification, upon which similar numerals of reference denote like or corresponding parts, and of which—

Figure 1 shows a perspective view of my novel clasp containing a bunch of papers. Fig. 2 is a similar perspective view, the papers being omitted. Fig. 3 is a perspective view agreeing with Figs. 1 and 2, excepting that the construction shown therein is composed entirely of wire. Fig. 4 is a detail plan view of the lower adjustable cross-band 6 shown in Fig. 2.

Referring to the numerals of reference marked upon the several figures of the drawings, 1 1 indicate the side frames of the clasp, which frames consist of spring-coils 2 and 3, connecting-bar 4, and yieldable ends 5, the latter serving as means of attachment for the cross-bands 6. In the above connection it is obvious that coils 2 and 3 may be single or double, as desired, the latter permitting a greater amount of yieldability to the completed clasp than the single coil would afford.

To the upper and lower free ends 5 of the side frames are attached adjustable cross-

bands 6, which are preferably constructed of sheet metal, as shown in my preferred form. Said cross-bands consist, substantially, of three parts, namely, the two slidable end pieces 7 and a central hood 8, into which said end pieces slide. Both of these end pieces are provided with an orifice 9, (see Fig. 4,) into which a lug 10 of said hood is movably fitted. Said lug serves as a stop to limit the outward movement of said end pieces when the latter are expanded.

In the modification shown in Fig. 3 it will be seen that the cross-band 6 consists simply of an inward crosswise extension of the yieldable ends 5 of the side frames, and that said band is made adjustable by means of the extremity 11 of said ends being returned around the body of the crosswise extension of the opposite side, this producing a cheap, effective, and desirable clasp in every particular. It will further be obvious that other modifications of my construction can be made without departing from the gist of my invention, and consequently I do not wish to be limited to the exact construction shown in the drawings.

I am aware that various contrivances have been devised for use as a paper-file clasp; but so far as I know there has been nothing produced which embodies the principles of my invention as above set forth, and as will more fully appear in the claims hereunto annexed.

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

1. As a new article of manufacture, a paper-file clasp comprising the side frames, consisting of the coils 2 and 3, the connecting-bars 4 and the yieldable ends 5, and the bands 8 connecting the two.

2. As a new article of manufacture, a paper-file clasp comprising two side frames consisting of the coils 2 and 3, the connecting-bar 4 and the yieldable ends 5, in combination with adjustable cross-bands, substantially as shown and described.

3. As a new article of manufacture, a paper-file clasp consisting of two yieldable side frames, in combination with the adjustable

cross-bands comprising the sheet-metal end
pieces 7, the hood 8, partially inclosing said
pieces and in which said pieces 7 slidably op-
erate, and means for limiting such sliding
5 movement.

4. As a new article of manufacture, a paper-
file clasp comprising two side frames, each
consisting of coils 2 and 3 a connecting-bar
and yieldable end pieces, in combination with
10 adjustable cross-bands consisting of end

pieces 7, hood 8, all adapted to operate as
shown.

Signed at Ansonia, in the county of New
Haven and State of Connecticut, this 26th day
of November, A. D. 1896.

VERRENICE MUNGER.

Witnesses:

FREDERICK W. HOLDEN,
W. A. HOLDEN.