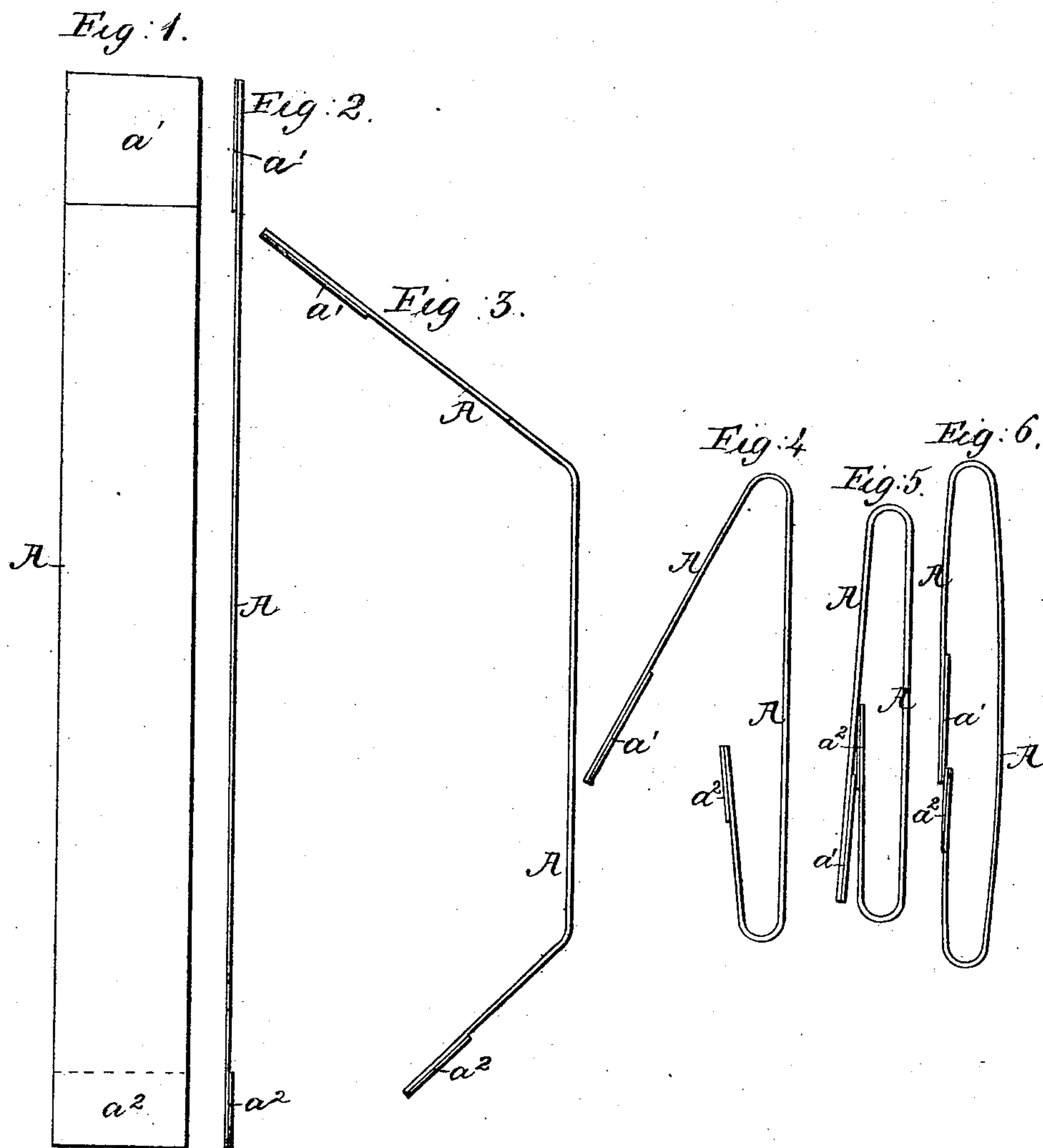


E. M. CARRINGTON.
Rubber Tipped Paper Bands.

No. 81,339.

Patented Aug. 25, 1868.



Witnesses.

J. C. Dey
C. C. Livings

Inventor

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by his attorney J. B. Selson

United States Patent Office.

ELIJAH M. CARRINGTON, OF NEW YORK, N. Y.

Letters Patent No. 81,339, dated August 25, 1868.

IMPROVED SELF-CEMENTING BAND FOR HOLDING BANK-NOTES, PAPERS, &c.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ELIJAH M. CARRINGTON, of the city and county of New York, in the State of New York, have invented certain new and improved Bands for Encircling Bank-Notes and other Papers and Analogous Packages; and I do hereby declare that the following is a full and exact description thereof.

I provide strips of paper or other flexible material with an adhesive coating at each end, united by simple pressure of one adhesive surface upon the other after the band has been folded around the package.

I will now proceed to describe what I consider the best means of carrying out my invention, and will afterwards designate the points which I believe to be new.

The accompanying drawings form a part of this specification.

Figure 1 is a face view of one of my bands extended.

Figure 2 is an edge view of the same.

Figure 3 is the same partly bent.

Figure 4 is the same bent nearly around, to enclose a parcel of bank-notes or the like.

Figures 5 and 6 show the same in two conditions, illustrating the extent to which the size of a band may vary, or rather the variations in the sizes of the package which may be enclosed. Fig. 5 shows the band in its smallest capacity, that is to say, if it were wound tightly around a parcel a little smaller, the adhesive surfaces would not meet. Fig. 6 shows the same band extended to its utmost.

Similar letters of reference indicate corresponding parts in all the figures.

A is a strip of stout paper, which forms the body of the band. I apply on one face of the band, at one end, an adhesive coating, a^1 , and on the other face of the band, at the other end, an adhesive coating, a^2 , making the latter coating extend over a considerably less length of the band A than the former.

The bands, after being thus prepared, may be kept for a long period or transported to any distance without losing their valuable properties. When it is required to use one, the papers or other articles which are required to be held together are laid on or about the middle of the band, and the two ends are folded over upon each other in such a manner that the adhesive surfaces a^1 and a^2 are presented face to face. In this position a simple pressure of the thumb upon the junction causes the adhesive surfaces to stick together with sufficient firmness for all general purposes.

I make my adhesive coating by dissolving India rubber in benzine, naphtha, or an analogous solvent, and I apply it by a brush to the paper and allow it to dry. I prefer to gum the paper in sheets, and afterwards to divide the sheets into strips, by means of long-bladed shears or analogous devices. I can gum a great quantity of the sheets at once, by laying them lapping upon each other, as will be readily understood. The solvent evaporates rapidly, and leaves a coating of gum, in a slightly sticky or tacky state, on the surface of the paper.

The surfaces a^1 and a^2 are sufficiently sticky to adhere together when pressed into contact with each other, but neither of them will adhere to plain paper or to other ordinary unprepared surfaces. I make one of the tacky surfaces, a^1 , longer than the tacky surface a^2 , in order to allow them a considerable range of sizes to be encompassed by the same band, as will be readily understood.

I can use thin leather, parchment, muslin, paper backed with muslin, vegetable parchment, and, in short, any material which will be sufficiently strong and flexible, in place of paper, for the band A.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows:

The band herein described, as a new article of manufacture, having a body of paper, with the ends made adhesive by rubber cement, so as to serve in the manner and for the purposes herein set forth.

In testimony whereof, I have hereunto set my name in presence of two subscribing witnesses.

E. M. CARRINGTON.

Witnesses:

W. C. DEX,

C. C. LIVINGS.