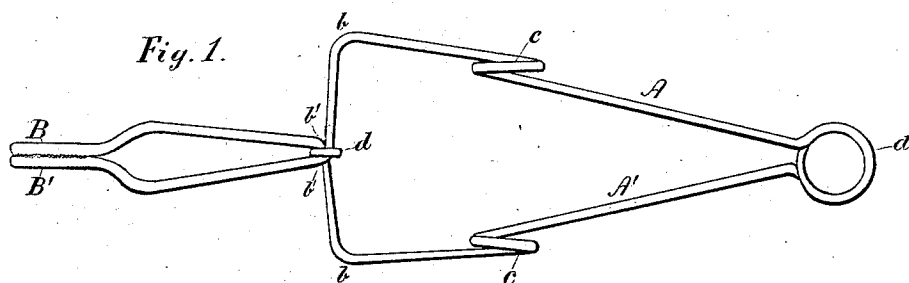
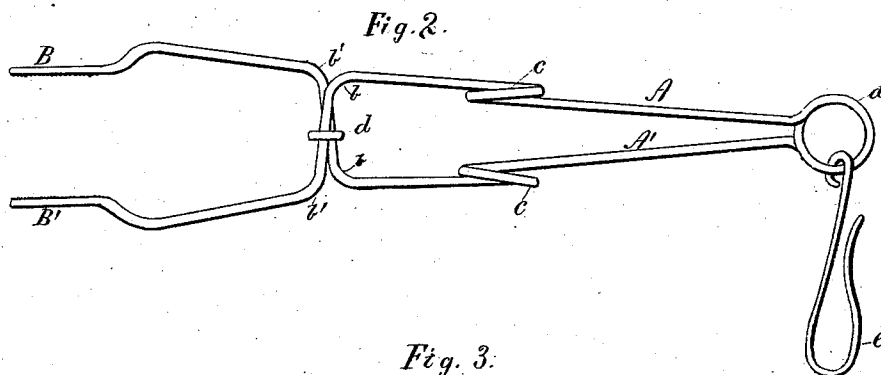
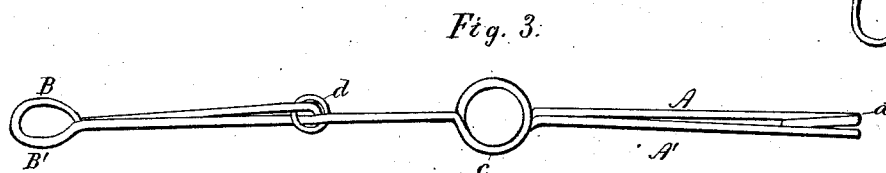


(No Model.)

J. BADGER.
CLAMP FASTENER.

No. 307,080.

Patented Oct. 28, 1884.



WITNESSES:

Chas. S. Colman

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UNITED STATES PATENT OFFICE.

JONATHAN BADGER, OF NEW YORK, N. Y.

CLAMP-FASTENER.

SPECIFICATION forming part of Letters Patent No. 307,080, dated October 28, 1884.

Application filed March 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN BADGER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Clamp-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a clamp to be used as a towel, napkin, or curtain holder, and for many other purposes.

It consists of a single piece of elastic wire bent to form arms with jaws on their clasp- ing ends, said arms intersecting each other near their outer ends, so that when they are pressed apart they close automatically, as hereinafter more particularly described.

My invention is illustrated in the accompanying drawings, in which Figure 1 represents a plan view of my invention, showing the clamp closed. Fig. 2 represents a similar view showing the clamp partly open. Fig. 3 is a side elevation.

Similar letters indicate similar parts.

The letters A A' designate the elastic arms, and B B' the jaws which, in this example, have their inner surfaces roughened or serrated, to afford a better holding-surface.

In carrying out my invention, I take a single piece of springy or elastic metal and bend it in a circular form near its center, as shown at *a* in all the figures, which circular form acts as a spring for the two arms A A'. About midway the length of the arms A A' the material is again bent in a circular or angular form to provide rests *c* for the fingers and thumb, for the more facile manipulation of the clamp. Near the outer end of the clamp, and near the jaws B B', I bend the wire to form angles or elbows, as shown in the figures at *b b'*, and which intersect each other as shown

in Fig. 1 when the clamp is closed and in Fig. 2 when the clamp is partly open. The material is then suitably bent to form the oval, oblong, or other shaped jaws B B', which have their inner sides serrated or roughened to afford a better holding-surface.

Between the angle *b b'* on the arms A A' I place a guide-ring, *d*, to keep the arms A A' together. To the end of the clamp may be attached a screw or hook, *e*.

Constructing the arms A A' with the angles, as shown at *b b'*, so they will intersect each other, forms a very important feature of my invention, because this construction and the inherent elasticity of the metal arms A A' cause the clamp to close automatically when the pressure is removed from the arms A A'.

It is evident that the clamp may be made of any size and strength, and may be used for many purposes, and, among others, as a towel, napkin, curtain or dress holder, table or candy tongs, and most uses of a safety-pin, &c. It can be applied to many forms of use, and can be produced at a small cost.

What I claim as new, and desire to secure by Letters Patent, is—

1. As an article of manufacture, a clamp consisting of a single piece of material forming the arms A A', and having the jaws B B', constructed and operated substantially as herein shown and described.

2. A clamp consisting of a single piece of wire bent to form the coils *a c c*, the elbows *b b* and *b' b'*, and the jaws B B', substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JONATHAN BADGER.

Witnesses:

FRANCIS CLARE BOWEN,
JAS. S. EWBANK.