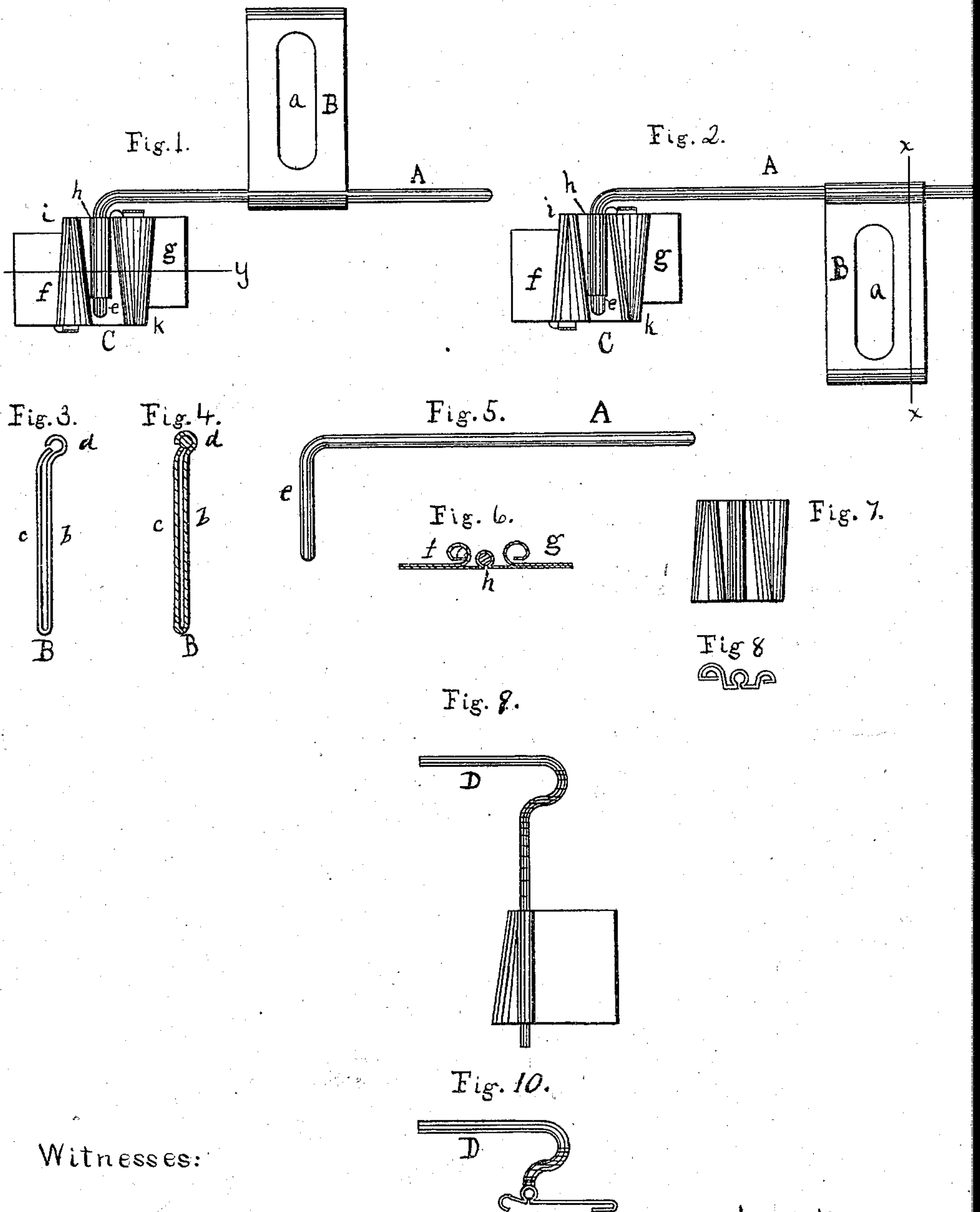


H. C. GOODRICH & R. S. BARNUM.

Hemmers for Sewing-Machines.

No. 138,638.

Patented May 6, 1873.



Witnesses:

Wm. Bond -
E. A. West

Inventors:

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UNITED STATES PATENT OFFICE.

HARRY C. GOODRICH AND RUSSEL S. BARNUM, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **138,638**, dated May 6, 1873; application filed February 24, 1873.

To all whom it may concern:

Be it known that we, HARRY C. GOODRICH and RUSSEL S. BARNUM, of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hemmers for Sewing-Machines, of which the following is a full description, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a plan view; Fig. 2, the same, with the position of the clamp reversed; Fig. 3, an edge view of the clamp; Fig. 4, a section on line *x* of Fig. 2; Fig. 5, a view of the rod A detached; Fig. 6, a section on line *y* of Fig. 1; Figs. 7 and 8, another form of the hemmer; and Figs. 9 and 10, a modification.

Our invention consists in an adjustable clamping device for securing the rod to the bed-plate of the machine, and in the novel construction of the hemmers, as hereinafter described.

In the drawing, A represents a rod, bent at right angles, to the arm *e* of which the hemmers are connected; B, clamp for securing the rod to the machine. This clamp consists of a single plate, bent into the form represented in Figs. 3 and 4, and forming, when thus bent, two spring-plates, *b c*, not in contact with each other. The end of the portion *b* is bent, as shown, at *d*, to receive the rod A. The end of *c* is formed, as shown in the drawing, and comes in contact with the rod A. The clamp is provided with a slot, *a*, to receive the set-screw. C represents two hemmers, *f g*, and a socket, *h*, between the same, all made from a single piece of sheet metal. These hemmers are of two sizes; *i* is the point of one, and *k* the point of the other.

In use, the hemmer is placed upon the part *e* of the rod A by means of the socket *h*. The point of the hemmer is properly adjusted relatively to the needle, and the clamp B properly adjusted relatively to the hole in the bed-plate of the machine, which receives the set-screw, and then secured to the machine by the set-screw, in doing which the two parts *b c* of the clamp are brought together, and

the end of *c* made to press with considerable force against the rod A, holding it firmly in position.

The position of the clamp may be reversed, as shown in Fig. 2, and it can be located at any desired point on the rod A, so that the hemmer, when made as described, can be attached to a great variety of sewing-machines, since the slot in the clamp B can be brought over the hole for the set-screw in the bed-plate, although its position in different machines will vary considerably.

By reversing the position of the hemmer C, either of the two *f g* may be used, at pleasure; and another set of similar hemmers of other sizes may be made to go with the attachment.

Figs. 7 and 8 represent another mode of constructing this hemmer.

This mode of constructing the hemmers C is very cheap, and brings two hemmers of different sizes upon a single plate, while the the clamp B furnishes a ready mode of connecting the attachment to various machines.

It is evident that other attachments may be so made that they can be connected to this rod A by means of a socket.

In Figs. 9 and 10 another form of hemmer is represented; and it is designed to be connected to the presser-foot of the machine by passing the rod D into a hole therein.

A single hemmer can be used with this rod and clamp as well as a double. For a single hemmer, or other single attachment, the rod A may be straight, and the attachment can have a socket, at right angles to that shown, to be slipped over the end of the straight rod.

What we claim as new is as follows:

1. The clamp B, constructed as and for the purposes specified.

2. The double hemmer, herein described, consisting of the two hemmers *f g* and socket *h*, constructed substantially as and for the purpose specified.

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