

(No Model.)

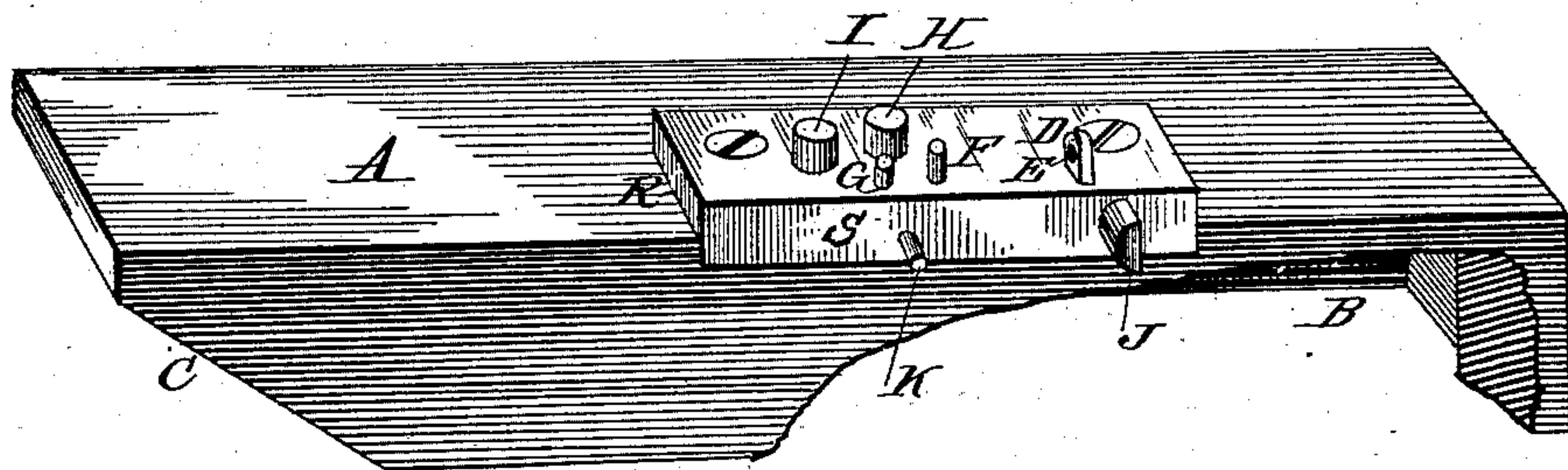
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MACHINE FOR FORMING TAG HOLDERS.

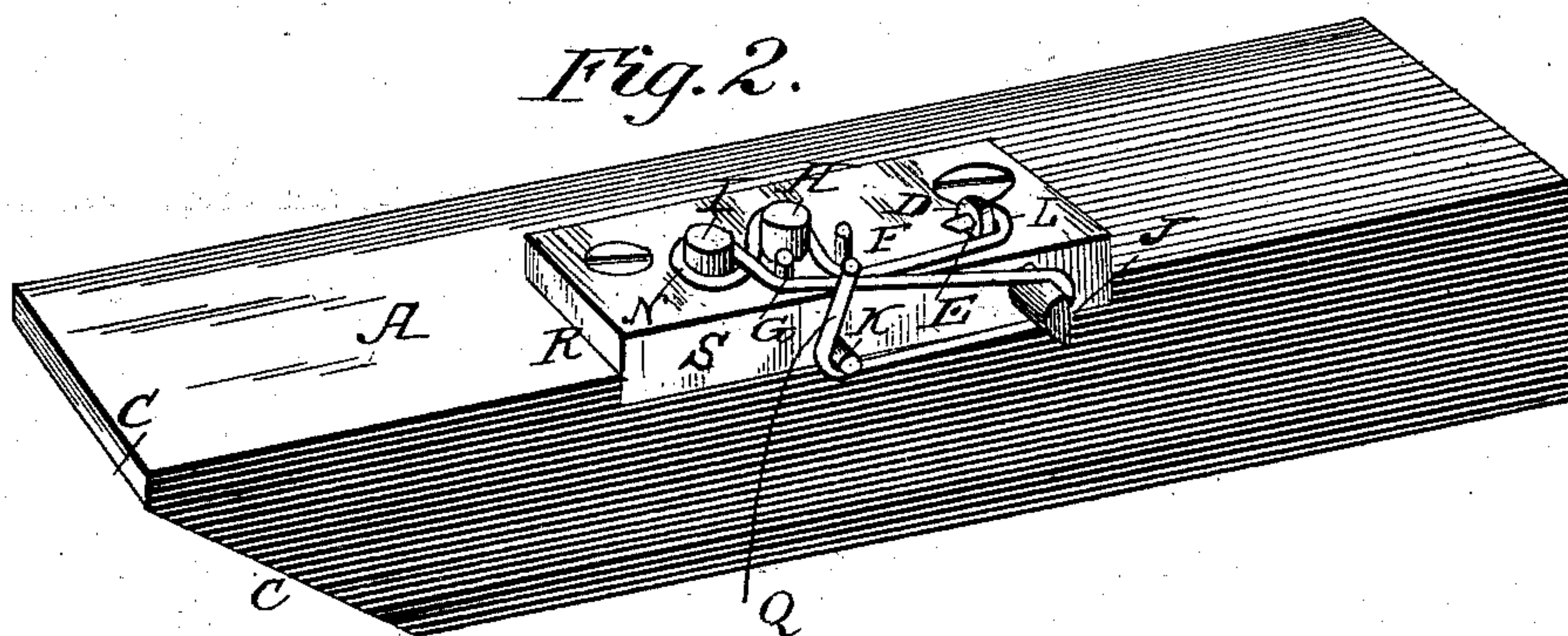
No. 283,027.

Patented Aug. 14, 1883.

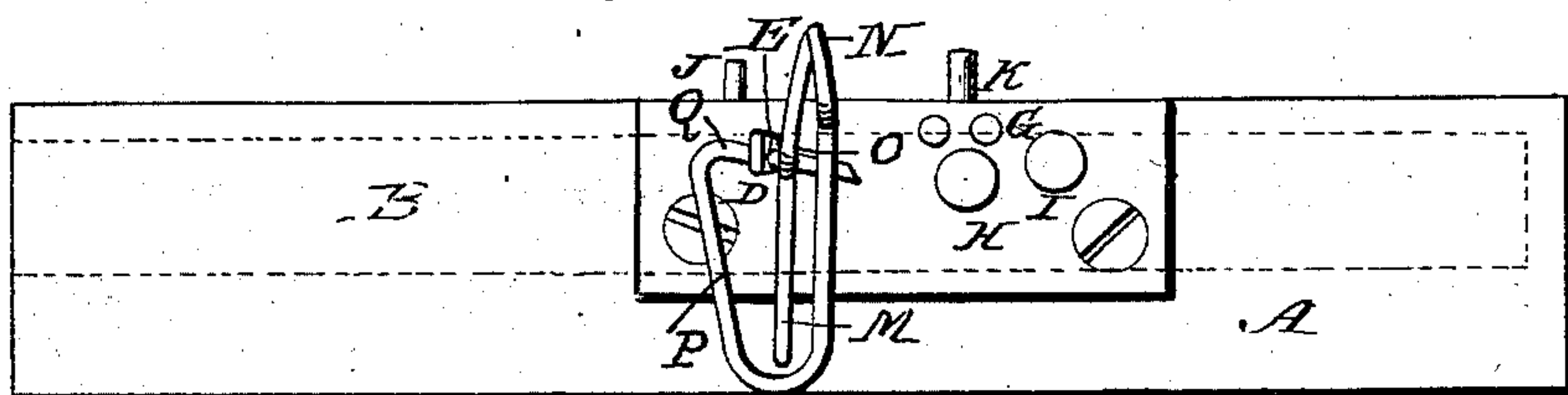
*Fig. 1.*



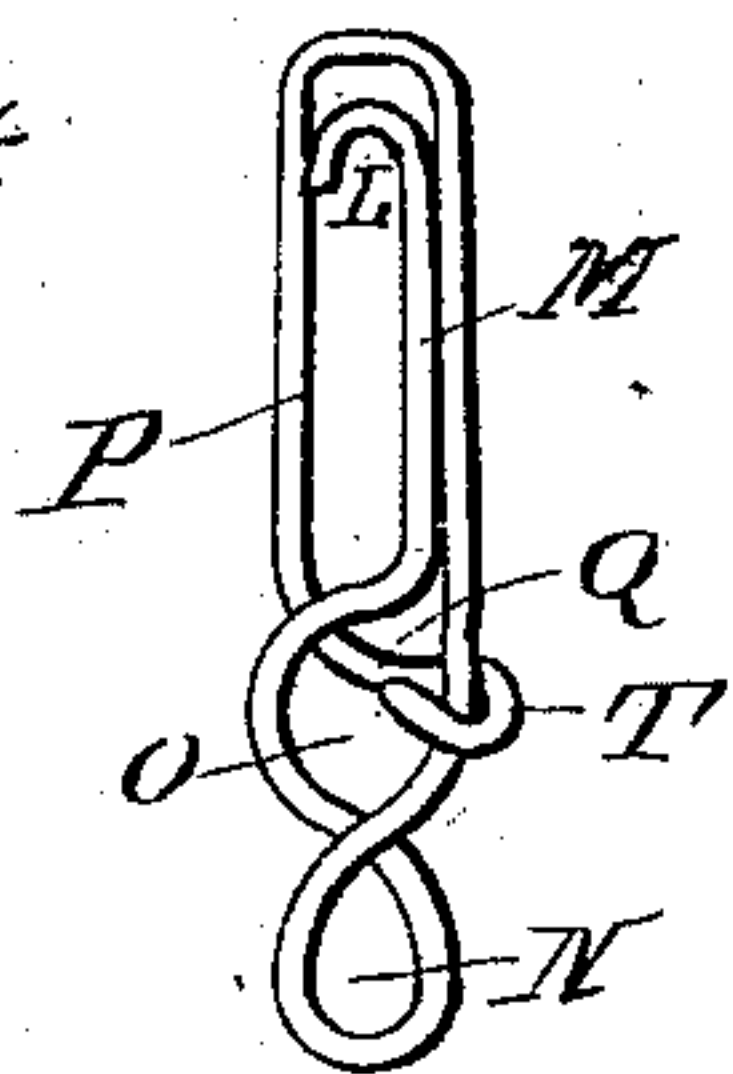
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

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# UNITED STATES PATENT OFFICE

GREGORY H. SCHARF, OF TOLEDO, OHIO.

## MACHINE FOR FORMING TAG-HOLDERS.

SPECIFICATION forming part of Letters Patent No. 283,027, dated August 14, 1883.

Application filed June 8, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, GREGORY H. SCHARF, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Machine for Forming Tag-Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to machines or devices for forming from spring-wire holders or fasteners for attaching tags to fabrics, and for various other purposes; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved device for forming tag-holders. Fig. 2 is a similar view, showing a tag-holder in position in process of construction. Fig. 3 is a plan view, showing a tag-holder in position for being finished; and Fig. 4 is a perspective view of a tag-holder constructed on my improved machine or apparatus.

The same letters refer to the same parts in all the figures.

A in the drawings designates the body of the machine or device, which may be constructed of wood, metal, or of any other suitable material or materials. The said body consists, mainly, of a rectangular block, having in its under side a groove, B, open at one end, which is beveled, as at C. This groove serves as a gage for cutting off the pieces of wire to be formed into tag-holders of the proper length. The cutting may be done by means of shears or nippers, and the slanting end insures a slanting cut, whereby a sharp point is formed at the end of the piece of wire. The upper side of the body A is provided, near the front edge, with a rectangular (or other suitably shaped) stud, D, having a transverse perforation, E. Some distance to the left of the same, and likewise near the front edge, is a vertical pin, F. To the left of the latter, and nearer the front edge, is another somewhat lower pin, G, and back of this, a little farther from the edge, are two cylindrical studs, H and I, relatively disposed as clearly shown in the drawings—that is, the stud H being placed about midway between the pins F and G, and stud I to the left of the stud H.

The several pins and studs above mentioned may, when the body A is made of metal, be made to project directly from the said body; but when the said body A is made of wood or similar material I prefer to provide it in its upper side with a recess, R, in which a plate, S, is secured, said plate being provided with the pins or studs above mentioned, and those which will be hereinafter described.

The front side of the block or base, or the front edge of the plate S, is provided with a stud, J, located slightly to the right of the rectangular stud D, and a pin, K, nearly registering with the stud H.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. The piece of wire having been cut off of the proper length, the end of the same is passed through the perforation E of stud D, and bent so as to form a hook, L. (Shown clearly in Figs. 2 and 4 of the drawings.) The wire is then placed flat upon the face of the block, with its hooked end remaining in perforation E of the stud D, while the wire is successively bent around pins and studs F, H, I, G, J, and K, thereby forming the hooked shank M, spring-eyes N O, and loop or frame P, the latter terminating in a projecting stem, Q. The wire is now removed from the block, and the stem Q inserted through the perforation E and bent, so as to form clamp T, catching around the opposite side of the frame, as shown in Fig. 3, around which it may be clinched by means of a pair of ordinary nippers, any surplus material being at the same time removed.

The tag-holder produced by this invention consists, as will be seen, of a hooked shank and spring-eyes formed at right angles to a frame, through which the said hooked shank is forced by the tension of the spring. By compressing the spring-eyes the hooked shank may be forced through the frame to admit of the insertion of the material to which the tag is to be attached between the hooked shank M and loop or frame P, (the tag having been previously adjusted upon the outer spring-eye.) By releasing the latter the pointed hook will engage the material, and accidental withdrawal of the holder be prevented. This machine or device is simple in construction, inexpen-



sive, and easily operated, and by means of it manufacturers and merchants and others may manufacture their tag-holders at a trifling expense. The holders or fasteners are also available for many other purposes, which will readily suggest themselves.

I would have it understood that I do not limit myself to the precise construction herein shown and described, as various modifications might be resorted to without departing from the spirit of my invention.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. In a device for forming tag-holders, the base-block having a groove in its under side,

open at one end, and beveled at the said open end, forming a gage for cutting off the wire in proper lengths slantingly, as set forth.

2. As an improvement in devices for forming tag-holders, the block A, having the pins and studs D, F, G, H, I, J, and K, constructed and relatively arranged substantially as herein described, for the purpose shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GREGORY H. SCHARF.

Witnesses:

JULIUS F. EHRLNBACH,  
SAMUEL N. REED.