

A. P. BOYER.
WORK HOLDER.

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1,049,803.

Patented Jan. 7, 1913.

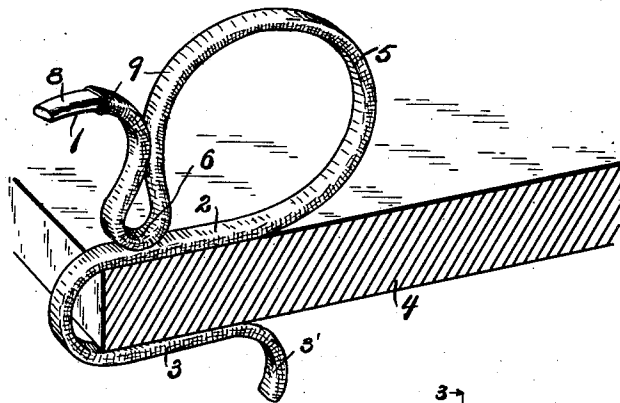


Fig. I.

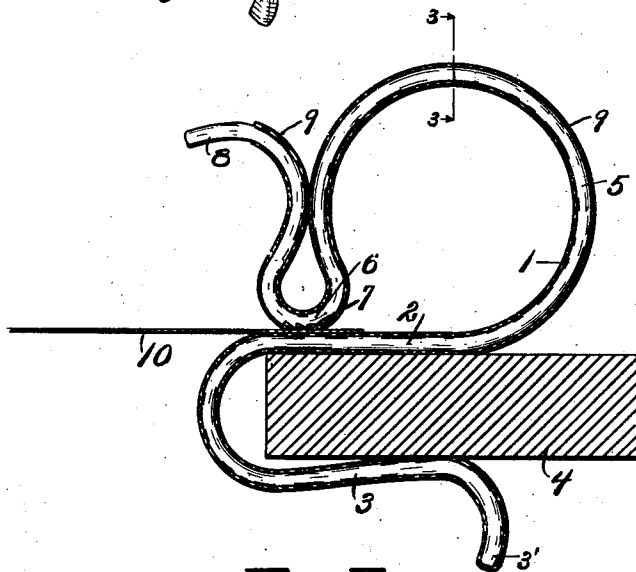


Fig. II.



Fig. III.

Witnesses

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UNITED STATES PATENT OFFICE.

ALLEN P. BOYER, OF GOSHEN, INDIANA.

WORK-HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALLEN P. BOYER, a citizen of the United States, residing at Goshen, Indiana, have invented certain new and useful Improvements in Work-Holders, of which the following is a specification.

This invention relates to improvements in work holders, the same being particularly adapted for seamstresses' use.

The objects of the invention are to provide a simple and efficient device which can be readily attached to a table, stand or other support, and will very securely and effectively hold the work.

Objects pertaining to the efficiency and economy of the structure will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which,

Figure I is a detail perspective view of my improved device attached to a table, the table being shown in section. Fig. II is a sectional elevational view on a plane from front to rear through the outer casing, the table being also in section, showing the disposition and arrangement of the parts. Fig. III is an enlarged detail cross-sectional view on line 3-3 of Fig. II, showing the disposition of the covering material over the spring in the preferred construction.

In the drawing, the sectional views are taken looking in the direction of the little arrows at the ends of the section lines, and similar numerals of reference refer to similar parts throughout the several views.

To produce my improved structure, a spring bar 1, preferably a flattened spring wire, is conformed to present a base portion 2, which is adapted to fit upon the top of a table, or stand, and is recurved upon itself at 3 to form an engaging spring to engage the edge of the table 4. A part 3' is curved downward to serve as a hand hold to facilitate manipulation in attaching or detaching the device. From the base 2 the spring is curved upwardly at 5 and forwardly and downwardly into an engaging

loop at 6, provided with suitable nicks or notches, at 7; and extends upwardly and outwardly forming a handle 8 for the opening of the engaging clamp portion 6 away from the base portion 2. Over this continuous spring 1, which is preferably of even size from end to end, I draw a tubular casing 9 to form an effective covering for the same, whereby all liability to mar a table, or to injure the work that is engaged by the work holder, should it be of delicate fabric, will be avoided. The work, as 10, is clamped in place by raising the engaging portion 6, inserting the work and permitting the spring to embrace it, when it will be found to be held very securely and very effectively in place.

For many uses, it will not be found necessary to put the tubular casing 9 over the spring metal. It will be readily understood that it is much to be preferred to make this structure of an integral spring, but the principle embodied can also be embodied in a structure made up of two or more pieces. As it does not involve invention to divide this device into two or more pieces, I have not deemed it necessary to illustrate such in detail.

From my description it will be observed that modifications will readily be devised by those skilled in the art.

I wish to claim the specific device as I deem it very meritorious on account of its simplicity and I also desire to claim the invention broadly as defined in the appended claims.

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

1. A work holder comprising an integral flat spring having a base portion 2, with a table engaging hook member 3 provided with a downwardly-curved portion 3', an upwardly extending loop 5 curved downward and forwardly forming a curved work clamp portion 6, and curved upwardly and forwardly into a handle 8 for manipulating said clamp at the front, the whole covered by a tubular casing 9, as specified.

2. A work holder comprising an integral flat wire spring having a base portion 2,

with a table engaging hook member 3 provided with a downwardly-curved portion 3', an upwardly-extending loop 5 curved downward and forwardly forming a curved work clamp portion 6, and curved upwardly and forwardly into a handle 8 for manipulating said clamp at the front, as specified.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

ALLEN P. BOYER. [L. s.]

Witnesses:

L. G. GREENFIELD,
M. L. GLASGOW.