

(No Model.)

M. J. BARTLETT.
ATTACHMENT FOR SCREW DRIVERS.

No. 420,431.

Patented Feb. 4, 1890.

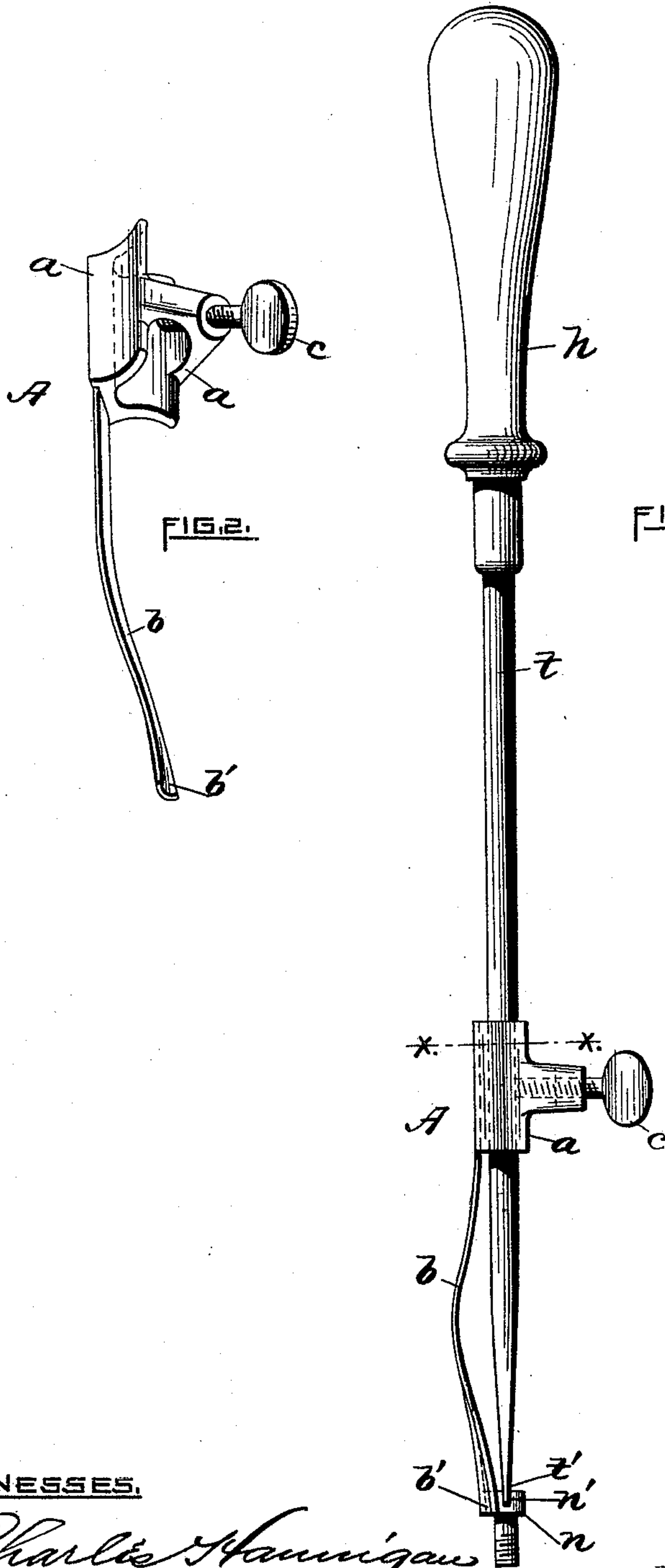


FIG. 1.

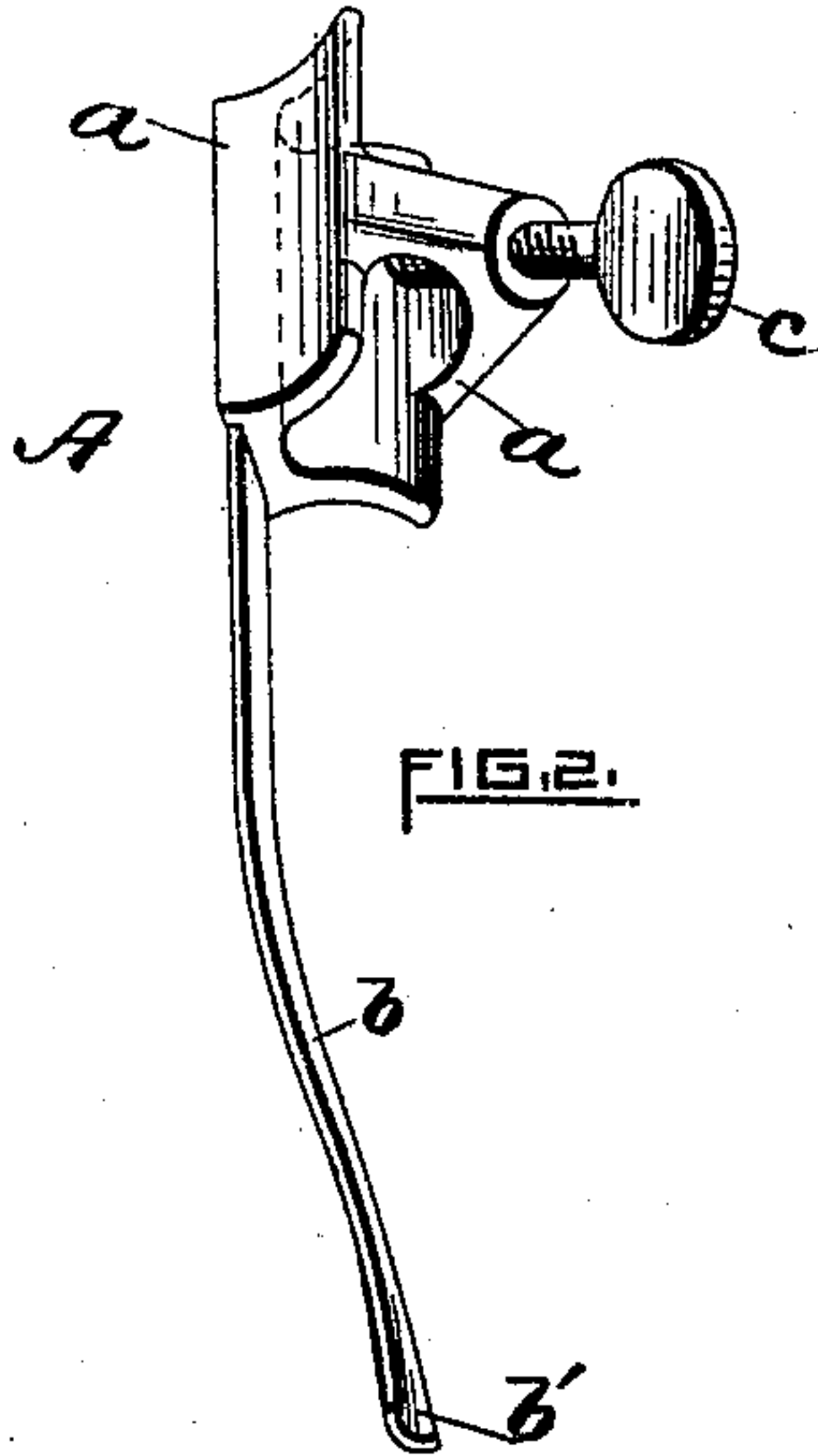


FIG. 2.

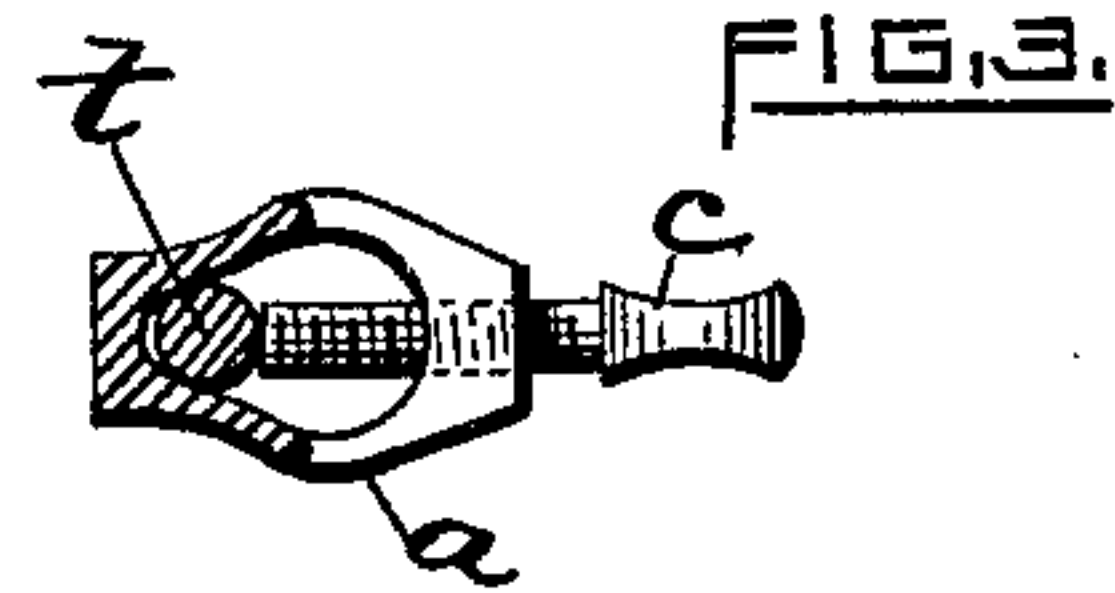


FIG. 3.

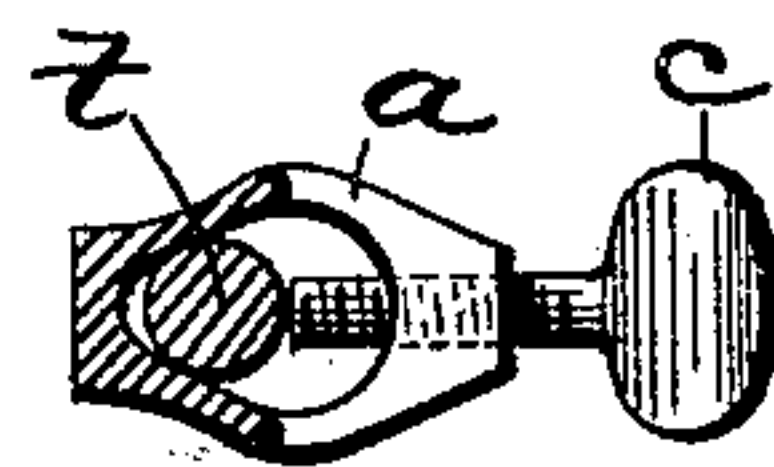


FIG. 4.

WITNESSES.

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ATTACHMENT FOR SCREW-DRIVERS.

SPECIFICATION forming part of Letters Patent No. 420,431, dated February 4, 1890.

Application filed April 6, 1889. Serial No. 306,191. (No model.)

To all whom it may concern:

Be it known that I, MARCUS J. BARTLETT, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Attachments for Screw-Drivers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my present invention is to provide screw-drivers with mechanical means whereby a screw may be held in position while being driven.

To that end my invention consists, essentially, of an attachment adapted to be secured to the blade of a screw-driver and having a downwardly-extending spring-arm arranged when in use to engage with the side of the screw-head.

By means of my improvement screws, particularly small machine-screws, may be held and inserted as readily as screws of large size.

In the annexed drawings, Figure 1 represents a side elevation of an ordinary screw-driver provided with my improvement as in use. Fig. 2 is a perspective view of the device detached. Fig. 3 is a cross-sectional view taken on line *x x* of Fig. 1, and Fig. 4 is a similar view showing a larger screw-driver shank.

A detailed description and the manner of operation of my invention is as follows:

A indicates the device as a whole, having its upper portion *a* consisting of an open head or frame, through which the blade or shank *t* of the screw-driver is passed longitudinally. By means of a binding-screw *c*, extending transversely through one side of the frame *a*, the device may be adjustably secured to the shank *t*. To the under side of the frame is secured a spring-arm *b*, which extends downwardly and is provided at its lower end, on the inner side, with a concave face *b'*, adapted to bear against the side of a

screw-head *n*. The frame portion *a* is made somewhat long, thereby when in use preventing the free end of the arm *b* from accidental displacement.

The manner of its application and use is clearly represented in Fig. 1. The extension *b*, by reason of its engagement with the screw-head, acts to maintain the screw in a vertical position—that is to say, the end *t'* of the blade is inserted into the nick *n'*, the curved portion *b'* of the spring-arm bearing against one side of the head. When the screw is thus frictionally held, it is obvious that it may be readily carried without fear of losing it.

Another advantage is that in driving the screw the point of the blade is automatically held in the screw-slot until the screw is fully inserted.

My invention is particularly adapted for the use of watch and clock makers, and also for makers and repairers of light tools and machinery. The construction is such that the implement may be quickly detached from the driver and, if desired, applied to another driver-shank having a different size. It is obvious that the form of the end *b'* of the spring-arm may be made to conform to any shape of the screw-head without departing from the spirit of the invention.

I do not claim, broadly, means for holding a screw while it is being driven; but

What I do claim, and desire to secure by United States Letters Patent, is—

1. The attachment for screw-drivers, consisting of a head or frame portion provided with an enlarged opening to receive various sizes of screw-driver blades, a screw or clamp for securing the frame to the blade, a spring-arm secured to the under side of the frame and having the inner face of the arm at its lower end adapted to frictionally engage a portion of the peripheral surface of a screw-head, substantially as shown and hereinbefore described.

2. The combination, with a screw-driver blade, of the screw-driver attachment hereinbefore described, consisting of the head or frame portion *a*, through which the blade

freely passes, a screw *c*, tapped into said
frame and bearing against the blade, a spring-
arm extending from the under side of the
frame and having the inner face of the arm
5 at its lower end adapted to frictionally en-
gage a portion of the peripheral surface of
a screw-head, substantially as shown and set
forth.

In testimony whereof I have affixed my sig-
nature in presence of two witnesses.

MARCUS J. BARTLETT.

Witnesses:

CHARLES HANNIGAN,
GEO. H. REMINGTON.