J. J. COX.

Tool-Handles.

No. 147,907. Patented Feb. 24, 1874.

Fig 1.

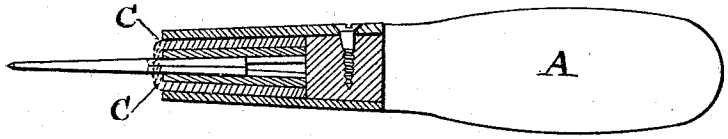
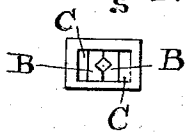


Fig 2.



WITNESSES

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JOHN J. COX, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN TOOL-HANDLES.

Specification forming part of Letters Patent No. **147,907**, dated February 24, 1874; application filed February 5, 1874.

To all whom it may concern:

Be it known that I, JOHN J. COX, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Tool-Handles; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a longitudinal section. Fig. 2 is a front-end view.

This invention has relation to handles for brad-awls and other small tools; and consists in the hereinafter-described construction and arrangement of parts for securing the bit to the handle sufficiently tight for ordinary use, while admitting of the ready removal and replacement of any particular bit, or the substitution of one form of bit for another, without in any manner injuring the handle.

Referring to the accompanying drawings, A designates the wooden part of a handle for a brad-awl or other small tool, constructed of the ordinary shape, with the exception of the lower end, to which is attached the ferrule, said end being preferably made rectangular, and the ferrule of a corresponding shape. B B represent a pair of metal blocks or plates, designed to clamp and hold the end of the bit, said blocks being provided each with a beveled or V-shaped groove in its face, forming, when said plates are brought together, a rectangular or diamond-shaped channel or opening, into which the end of the bit fits. The blocks B B are arranged within the ferrule, which, for their reception, is extended beyond the end of the handle, as shown. C C designate cushions of india-rubber or other elastic material, preferably the former, interposed between the blocks B and the inner surfaces of the ferrule, and serving to press said blocks with sufficient force to retain the bit in place when in actual use, while allowing them to yield, so that the bit may be easily inserted and withdrawn.

To form the cushion, I prefer using an ordinary band of india-rubber of suitable strength and thickness, which, with the plates or blocks placed inside, their ends bearing against the inner fold, I insert in the ferrule, and then cut off flush with the outer ends of the blocks so much of the rubber as projects beyond the end of the handle. In this way I prevent the cushions from working out of place, and also prevent the blocks from getting out of place if the cavity of the ferrule should happen to be unnecessarily long.

Having described my invention, I claim—

The blocks B B and cushions C C, applied to the handle A, substantially as and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand this 31st day of January, 1874.

JOHN J. COX.

Witnesses:
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M. DANL. CONNOLLY.