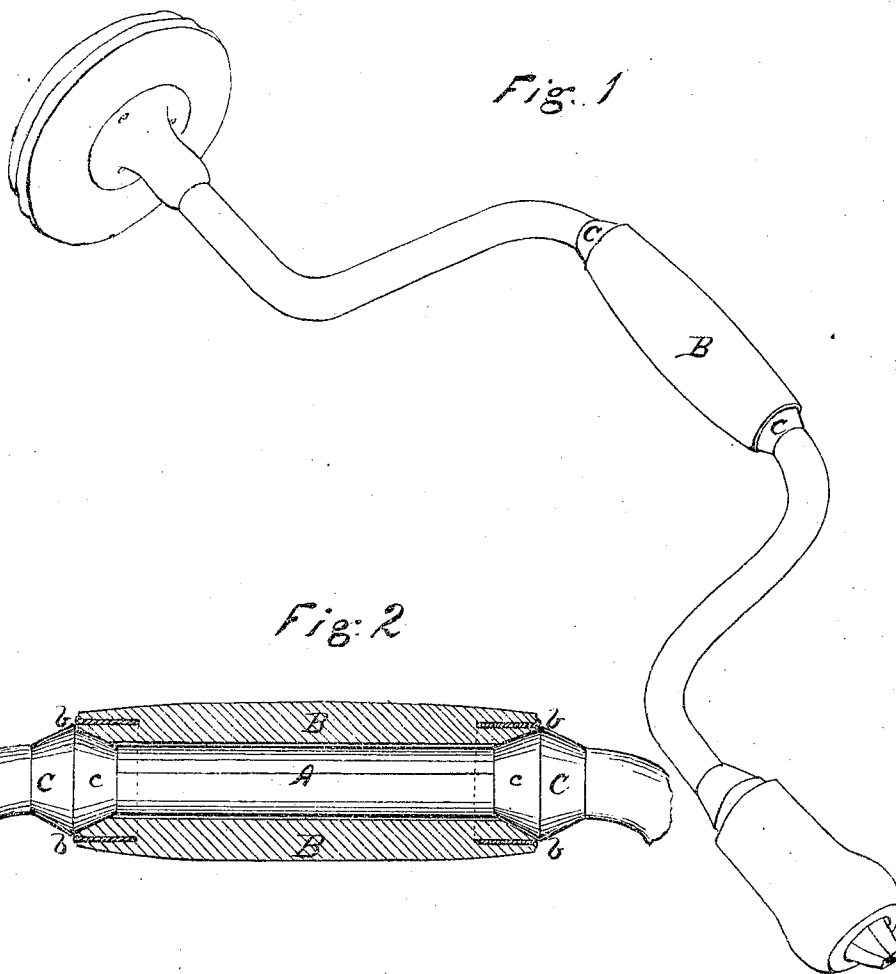


WILLIAM H. MCCOY.

Improvement in Bit Stocks.

No. 118,039.

Patented August 15, 1871.



Witnessed. { *Edward G. Osborn* *Wm H. McCoy* Inventor,
Robert H. Manners *Per. & D. D. Dugan*

UNITED STATES PATENT OFFICE.

WILLIAM H. McCOY, OF ERVING, MASSACHUSETTS, ASSIGNOR TO MILLER'S FALLS MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN BIT-STOCKS.

Specification forming part of Letters Patent No. 118,039, dated August 15, 1871.

To all whom it may concern:

Be it known that I, WILLIAM H. McCOY, of Erving, in the county of Franklin and State of Massachusetts, have invented a new and useful Improvement in Bit-Stocks, of which the following is a specification:

My invention, described particularly hereinafter, is designed to make a handle for a bit-stock that shall be both cheap and lasting.

Figure 1 is a perspective view of my improved bit-stock. Fig. 2 is an enlarged view of the center part of the stock, with the handle B and its ferrule *b* shown in section.

The handle B is formed first from a block of wood by turning it to the proper size, and boring it through the center, so that when placed upon the rod it will turn freely. After this operation a circular groove is cut in each end about one-half of an inch deep, with a cylindrical saw, leaving about one-eighth of an inch of wood between the groove and the circumference of the bore. Into these grooves so made the ferrules *b b* are forced, so that they are held in the manner shown in Fig. 2 of the drawing. The ends of the handle B are also beveled within the bore, so that they will fit over and turn upon the conical collars C. Before the rod A is bent to the required shape the handle is slipped in place on it, and the conical collars C placed and soldered or fastened on the rod, so that they will hold the handle in position, and yet allow it to turn freely

upon their inner conical surfaces *c c* and the rod A A. The rod A is then bent to the proper form, and the other parts—the head and socket—are united to it; but as they form no part of this invention a description in detail is unnecessary.

Before this invention, the handles for bit-stocks were, so far as known to me, made with a hoop or metal ferrule or tube forced over each end, but they were liable to become loosened and slip off the handle, and be the cause of much trouble.

This invention removes these objections in the construction of bit-stocks, and makes the hoops or ferrules a permanent part of the handle, strengthening it, preventing it splitting, and, at the same time, retaining all the advantages gained by having a wooden bearing in contact with the working surface *c* of the collars C.

The cost of producing this handle is much less than is incurred by other methods of making them, and a much better and efficient handle for bit-stocks is the result.

I claim—

The handle of a bit-stock with metal tubes or hoops forced into grooves in the ends of the wooden handle, thereby preventing splitting or shrinking, substantially as and for the purposes set forth and specified.

WM. H. McCOY.

Witnesses:

L. J. GUNN,

D. P. ABERCROMBIE.