E. C. DENIO.

Ferrule for Tool-Handles.

No. 161,598. Patented April 6, 1875.

Fig. 1.

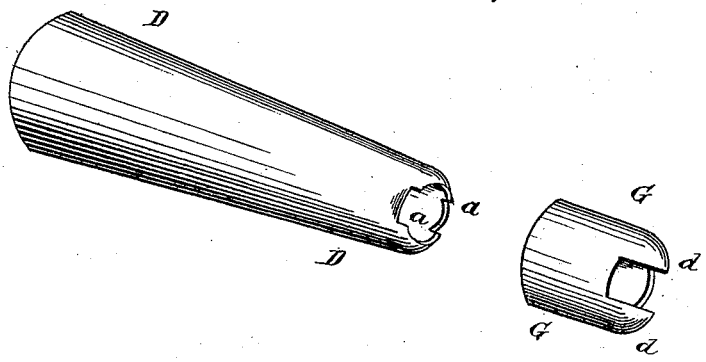


Fig. 2.

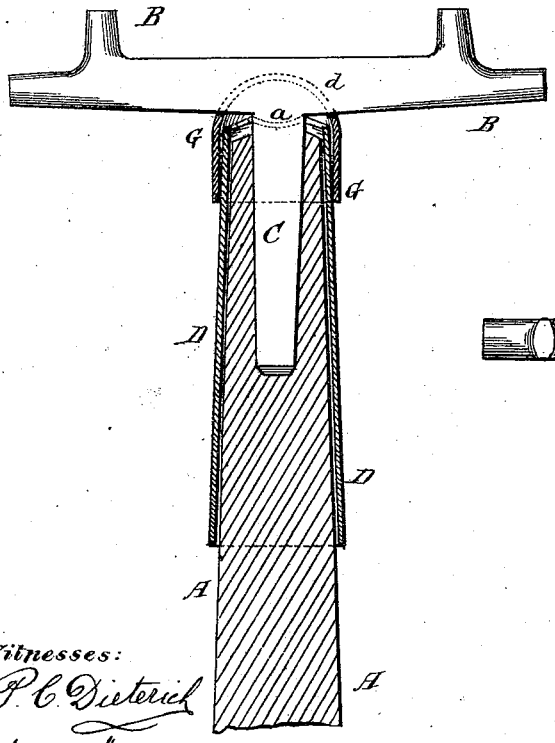
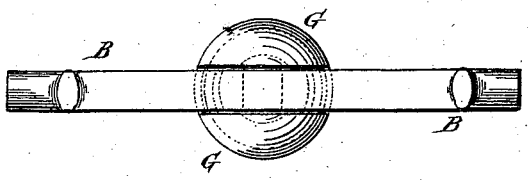


Fig. 3.



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UNITED STATES PATENT OFFICE.

ELON C. DENIO, OF AUBURN, NEW YORK.

IMPROVEMENT IN FERRULES FOR TOOL-HANDLES.

Specification forming part of Letters Patent No. **161,598**, dated April 6, 1875; application filed February 8, 1875.

To all whom it may concern:

Be it known that I, ELON C. DENIO, of Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Ferrules for Tool-Handles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to ferrules used upon handles for forks, or other tools, having a shank projecting from a head or head-piece into the end of the handle; and the nature of my invention consists in two or more ferrules, each extending beyond the handle of the tool, and each being slotted to receive the head of the tool, whereby the head of the tool is supported by both ferrules, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a perspective view of the two ferrules. Fig. 2 is a section, showing the handle and head of a fork, and Fig. 3 is a front view of the same.

A represents an ordinary wooden handle. B is the head or head-piece of a fork or other tool, and C is the shank projecting from the head into the end of the handle A. D is the ferrule surrounding the end of the handle A, and is made in any of the known and usual ways, with the exception that its outer end is drawn over inward in rounded form for a suitable distance, forming as it were an annular curved flange at the end of the ferrule. This flange is cut out on opposite sides the thickness of the head A, to allow the same to drop therein, the remaining portions of the flange forming lips *a a*, one upon each side of the head, thereby steadying the fork or tool and holding it firmly. Around the end of ferrule C is placed a supplemental or auxiliary ferrule, G, the outer end of which is formed in the same manner as described for the ferrule D, and forming lips *d d*, one on each side of the head or head-piece. The head B thus has double bearings on each side, forming a solid and durable connection between the handle and tool, so that one or more supplemental ferrules can be used, or ferrules of two or more thicknesses as desired.

I am aware two ferrules, or the ordinary ferrule and supplemental, have been used, and I do not broadly claim such device; but

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

Two or more ferrules, D G, each being slotted to receive the head of the tool, and each extending beyond the end of the handle, and bent or curved over to support the head of the tool, in combination with a handle, A, and tool-head B, constructed as and for the purpose set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

ELON C. DENIO.

Witnesses:

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