

R. A. Woodberry,

Edge Key Handle.

No. 103812.

Patented May 31. 1870.

Fig. 1.

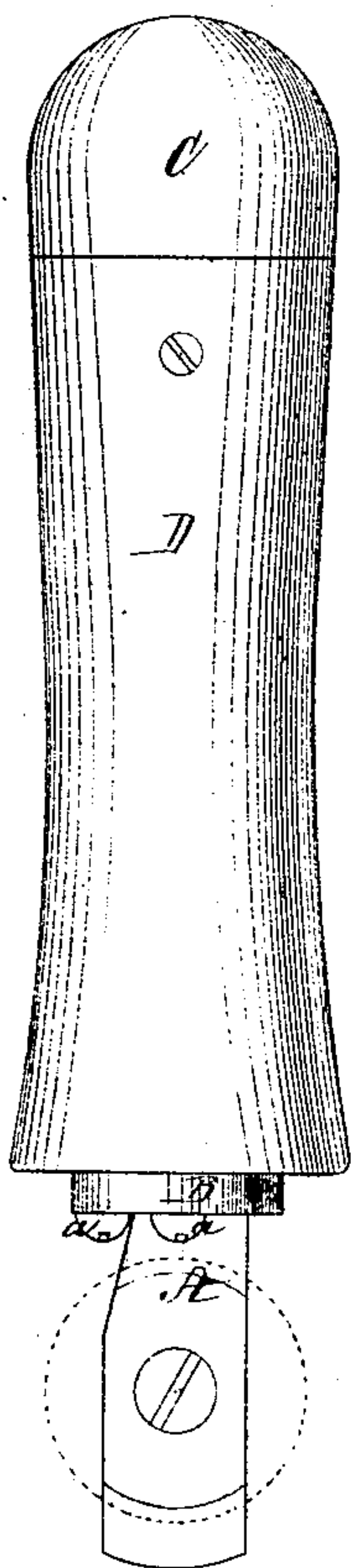
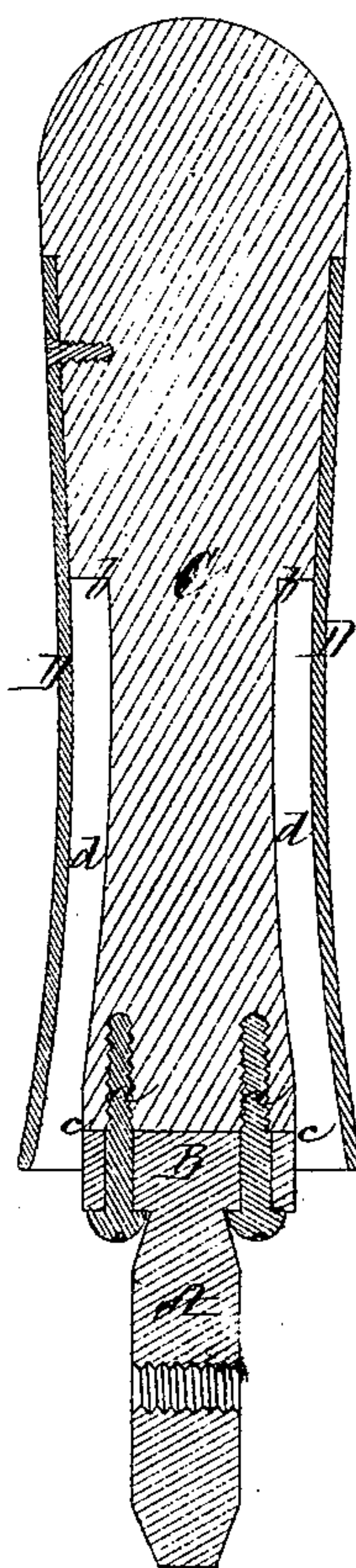


Fig. 2.



*Witnesses,
H. J. Cambridge
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United States Patent Office.

RICHARD A. WOODBERRY, OF BEVERLY, MASSACHUSETTS, ASSIGNOR TO
HIMSELF AND FRANCIS NORWOOD, 2D, OF SAME PLACE.

Letters Patent No. 103,812, dated May 31, 1870.

IMPROVED HANDLE FOR "EDGE-KEYS."

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, RICHARD A. WOODBERRY, of Beverly, in the county of Essex and State of Massachusetts, have invented an Improvement in the Handles of "Edge-Keys," for finishing the Soles of Boots and Shoes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is an elevation of an "edge-key," provided with a handle constructed in accordance with my invention.

Figure 2 is a longitudinal vertical section through the center of the same.

"Edge-keys" for finishing and polishing the edge of the soles of boots and shoes require to be heated previous to being used, in consequence of which the handle becomes heated by the "tang," or portion inserted therein, to such a degree that the hand of the operator is burned and rendered callous by the constant use of the tool; furthermore, the interior of the handle is soon charred, so that the "tang" becomes loose, and requires to be steadied in place by means of wedges, and, after using the tool for a short time, a new handle becomes necessary.

To overcome these objections is the object of my invention, which consists in a handle, provided with a sleeve, the diameter of a portion of the handle being less than that of the interior of the sleeve, so as to leave an air-space between the two, which prevents the heat of the tool from being communicated to the hand of the operator, as heretofore; and

My invention also consists in attaching the "shank" to the wooden portion of the handle by means of a plate or disk and screws, whereby less heat is transmitted to the handle than heretofore, and a means is provided for readily tightening the shank in the event of its becoming loosened by the burning or charring of the end of the handle.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawing—

A represents the shank of the tool, which is provided at one end with a circular plate or disk, B, which is firmly secured to the end of the handle C by means of screws *a*.

The handle C is formed of hard wood, and is surrounded for the greater portion of its length by a metallic sleeve, D, which is slightly bell-shaped at its mouth or lower end.

The lower half of the wooden handle is turned down from *b* to *c*, as seen in fig. 2, so as to leave an air-space, *d*, which prevents the heat which is communicated to the lower portion of the handle C, from the shank A and disk B, when the tool is ready for use, from being transmitted to the sleeve D, and consequently all liability of the hand of the person using the tool being burnt or injured, as heretofore, is entirely avoided.

By attaching the shank A to the handle C in the manner above described, I am enabled to dispense with the long "tang" or portion which has heretofore been inserted within the handle, and, consequently, much less heat is communicated thereto than heretofore, while, if the shank becomes loose in consequence of the extreme end of the handle C becoming burnt or charred, it is merely necessary to tighten the screws *a*, to again secure the disk B firmly in place.

The wooden portion of the handle may be easily renewed, when worn out, at a very trifling expense.

What I claim as my invention, and desire to secure by Letters Patent, is—

The handle C, with its sleeve D, constructed substantially in the manner and for the purpose described.

Witness my hand this 14th day of April, A. D. 1870.

RICHARD A. WOODBERRY.

Witnesses:

P. E. TESCHEMACHER,
W. J. CAMBRIDGE.