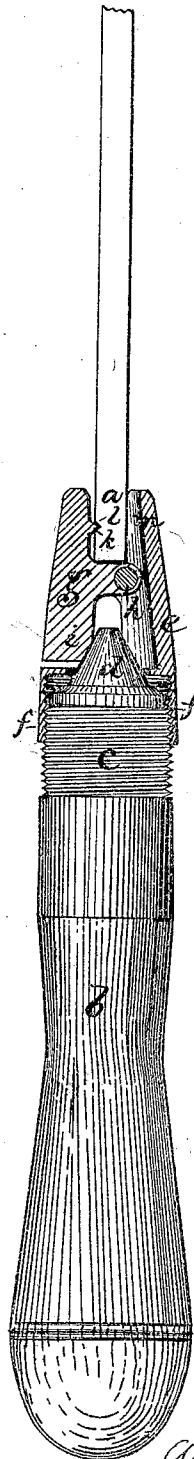
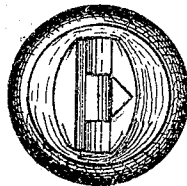
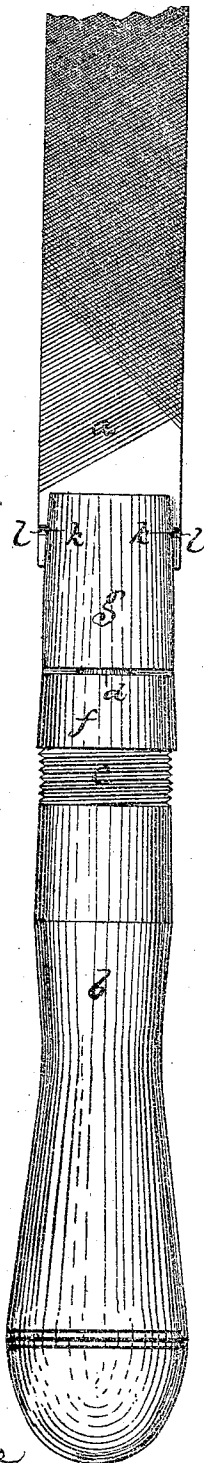


A. WEED:

Improvement in Tool Handles.

No. 123,652.

Patented Feb. 13, 1872.



Witnesses
A. Chafford
W. Bradford

A. Weed.
by his Attys
Crosby & Gould

UNITED STATES PATENT OFFICE.

ALFRED WEED, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN TOOL-HANDLES.

Specification forming part of Letters Patent No. 123,652, dated February 13, 1872.

To all whom it may concern:

Be it known that I, ALFRED WEED, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Tool-Clamping Handle; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

United States Letters Patent No. 68,584 were granted to me for an improved file, which file was made without a tang, but with provision for enabling it to be grasped firmly and immovably between two clamping-jaws at the end of a suitable handle; Letters Patent No. 68,585 having also been granted to me for such a handle.

My present invention relates to an improvement upon such file or tool-holding handles.

In the patented handle referred to, the movable jaw was fed toward the other jaw, and clamped upon the file-shank held between them by a nut and screw. Said nut and screw are objectionable, as they project out into a position where they form an obstruction to the free handling and manipulation of the tool.

In my present invention I make the movable jaw as a hinged lever-plate, one end of which is forced down upon the file or other tool shank by forcing the other end outward, said forcing outward being accomplished by making the handle with a screw-threaded end, working into a nut-thread on a sleeve or ferrule, which forms the head of the stationary jaw, and with an expanding cone, the forward movement of which forces the adjacent end of the clamp-lever outward, and the inner end against the file-shank. It is in this improved clamping-handle that my present invention consists.

The drawing represents in front view, in sectional elevation, and in end view a handle embodying the improvements.

a denotes the end of a file clamped to the handle. *b* denotes the handle; *c*, the screw-thread around the inner end of the handle; *d*, the expanding cone at the end of the handle. *e* is the stationary jaw of the clamp, said jaw being made with the nut-threaded ring, ferrule, or sleeve *f* forming its head. *g* denotes the movable jaw, hinged to the jaw *e*, as seen at *h*, and having an inwardly-projecting end, *i*, against which the cone *d* acts to force it outward when the handle is rotated, and thereby driven endwise into the ring *f*. The jaw *g* has an angular tongue or tenon, *k*, which fits into a corresponding recess, *l*, in the shank of the file to be held.

For grasping three-cornered files, an angular notch, *m*, running in the opposite direction, may be made in the stationary jaw *e*. The handle *b* being turned back, the file-shank is introduced between the jaws and the tongue *k* into the notch *l*, and the handle is then moved forward, the cone pressing upon the inner end of the movable jaw, and pressing down the opposite end against the file, and clamping it tightly between the two jaws.

I claim—

The combination of the stationary jaw *e*, having a nut-threaded ring, *f*, with the movable jaw *g*, pivoted to the stationary jaw, and operated by the cone *d* on the end of the screw-threaded handle *b*, substantially as described.

ALFRED WEED.

Witnesses:

FRANCIS GOULD,
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