

G. B. GODDARD.
Mallet-Handle.

No. 202,165.

Patented April 9, 1878.

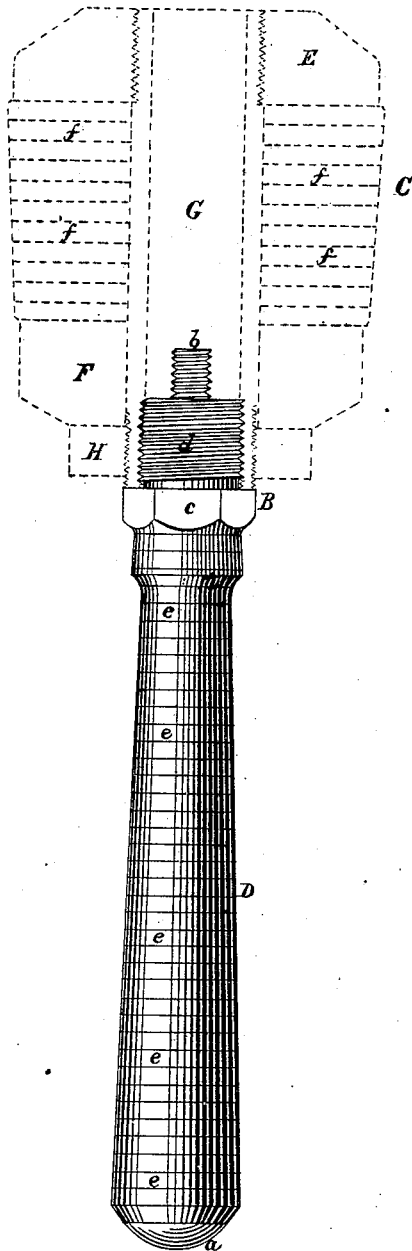


FIG. 1.

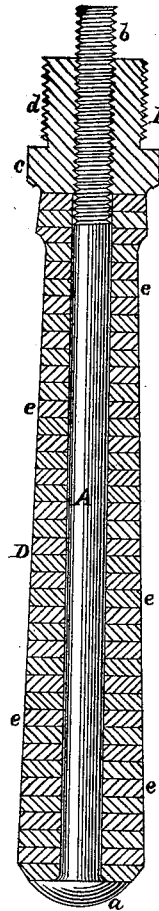


FIG. 2.

WITNESSES.

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GEORGE B. GODDARD, OF BROCKTON, MASSACHUSETTS, ASSIGNOR TO ALICE M. GODDARD, OF SAME PLACE.

IMPROVEMENT IN MALLET-HANDLES.

Specification forming part of Letters Patent No. **202,165**, dated April 9, 1878; application filed March 7, 1878.

To all whom it may concern:

Be it known that I, GEORGE B. GODDARD, of Brockton, in the county of Plymouth and State of Massachusetts, have invented a new and useful Improvement in Handles for Mallets and other Tools, of which the following, taken in connection with the accompanying drawings, is a specification:

My invention relates to the construction of handles for heavy mallets, such as are used in boot and shoe factories for dieing out stock and for other purposes; and it consists in forming said handle with a central metallic bolt extending longitudinally thereof, with a head at its outer end, and provided with a screw-thread on its inner end, to receive a nut having a male screw-thread cut upon its exterior to fit a corresponding female thread cut in the eye of the mallet, in combination with a sleeve of leather, paper, wood, or other non-metallic substance clamped firmly between the head and nut of said central bolt, as will be hereinafter described.

Such mallets have heretofore been provided with wooden handles, but have been a continual source of trouble and expense, on account of the breaking of such wooden handles, and the necessary repairs resulting therefrom.

Solid metallic handles have been tried in place of the wooden ones, but have been found to be objectionable, on account of their being cold to the hand in cold weather, and being injuriously affected by the perspiration from the hand of the operator in warm weather, and they have therefore been discarded.

These objections are entirely overcome by the use of my improved handle, the metallic connection of the handle with the mallet-head rendering the handle amply strong, and the sleeve-covering serving to make the handle comfortably warm to the hand in cold weather, and is not injuriously affected by perspiration in hot weather; but, on the contrary, when the sleeve is made of leather, it serves as an absorbent to take up the perspiration, and thus keep the hand comfortably dry.

Figure 1 of the drawings is an elevation of my improved handle, with the mallet-head shown in section in dotted lines; and Fig. 2

is a longitudinal section of the handle, cutting through the axis thereof.

A is a central bolt, of wrought-iron, provided at one end with the head *a*, and at the other end with the male screw-thread *b*, to which is fitted the nut B, provided with a hexagonal or other parallel-sided portion, *c*, to receive a wrench, and a cylindrical portion having formed thereon a male thread, *d*, adapted to screw into a corresponding female thread formed in the eye of the mallet-head C. (Shown in section in dotted lines in Fig. 1.)

D is a sleeve, made preferably of a series of disks of leather, *e*, placed side by side upon the bolt A, and clamped between its head *a* and the nut B, as shown in the drawings.

Disks of paper, leather-board, or rawhide may be used instead of leather with good results; or a plain sleeve of wood made in one piece may be used, if clamped sufficiently firm to prevent it from turning on the bolt A.

The kind of mallet for which the handle is more especially designed is that shown in dotted lines in Fig. 1 of the drawings, in which a series of disks of rawhide, *f*, are clamped between two metallic collars, E and F, one of which is screwed upon, or otherwise firmly secured to, the tubular mandrel or spindle G, the other collar, F, being fitted to move freely on said mandrel, and held in position by the nut H, the handle being attached thereto by screwing the nut B into one end of the tube G, as shown.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A detachable tool-handle made up of a central longitudinal bolt provided with a head at one end, and a male screw-thread at the other end, a sleeve or tubular handle surrounding said bolt, and a nut fitted to the threaded end of said bolt, and clamping said sleeve firmly between it and the head of the bolt, and provided with an exterior or male screw-thread as a means of attaching said handle to the mallet or other tool, substantially as and for the purposes described.

2. The combination, in a detachable tool-handle, of the bolt A, provided with a head, *a*, and screw-thread *b*, the nut B, provided

with a female thread to fit the thread *b* on the bolt, and an exterior or male screw-thread, *d*, and a sleeve, *D*, composed of a series of disks, *e*, of leather, leather-board, paper, or other non-metallic material, clamped firmly between the head of the bolt *A* and the nut *B*, substantially as and for the purposes described.

Executed at Boston, Massachusetts, this 4th day of March, A. D. 1878.

GEORGE B. GODDARD.

Witnesses:

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