

(No Model.)

J. A. THAYER.

CLAW HAMMER AND SCREW DRIVER.

No. 264,492.

Patented Sept. 19, 1882.

Fig. 1.

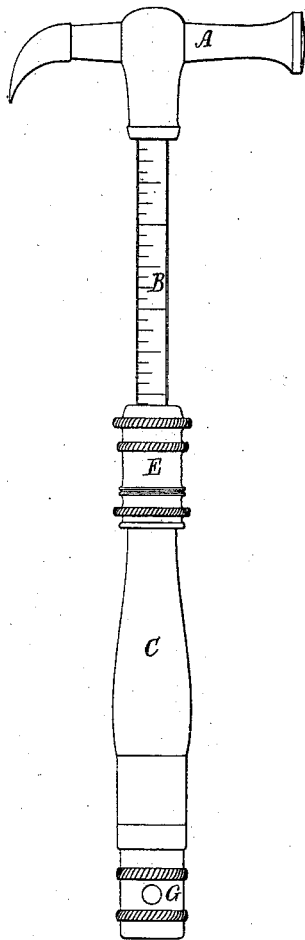


Fig. 2.

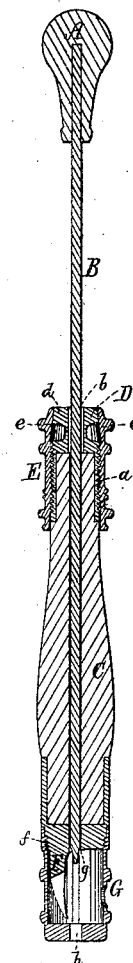


Fig. 4.



Fig. 3

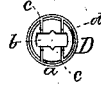


Fig. 5.

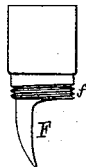
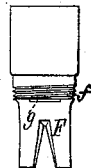


Fig. 6.



Witnesses.

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JOHN A. THAYER, OF SOMERVILLE, MASSACHUSETTS.

CLAW-HAMMER AND SCREW-DRIVER.

SPECIFICATION forming part of Letters Patent No. 264,492, dated September 19, 1882.

Application filed September 1, 1881. (No model.)

To all whom it may concern :

Be it known that I, JOHN A. THAYER, of Somerville, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in the Combined Hammer and Screw-Driver; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front view, and Fig. 2 a longitudinal and transverse section, of a tool or implement containing my invention, the nature of which is defined in the claims hereinafter set forth. Fig. 3 is an end view, and Fig. 4 a side view, of the jawed clamp; and Figs. 5 and 6 are side views of the claw, to be hereinafter described.

The tool in some respects is like that for which Letters Patent, No. 35,715, dated June 24, 1862, were granted to me; but the blade or shank of the said driver slides through the handle, and is directly attached to and projects from the hammer-head. Instead of the screw-driver having prongs or a claw at its terminus, the handle has such a claw fixed to it, or to a ferrule adapted thereto, there being in the shank of the claw a passage for the screw-driver to slide through. Furthermore, the handle has peculiar devices for clamping it to the screw-driver, and there is to the claw of the handle a cap or cover, the construction and object of which will be hereinafter explained.

In the drawings, A denotes the hammer-head; B, the screw-driver, and C the handle. The said screw-driver, fixed to and extended from the hammer-head, passes through the handle lengthwise thereof, and is adapted to slide therein.

There is fitted or fastened on the upper end of the handle a jawed clamp, D, it having a screw-thread, *a*, on its outer surface. Such clamp is tubular, except at its upper part, in which is a passage, *b*, whose transverse section is rectangular and corresponds to that of the screw-driver.

Across this passage, near each end of it, is a saw kerf or slit, *c*, the two slits causing the head or upper part, *d*, of the clamp to constitute four jaws, such head being conical or tapering on its periphery.

A tubular cap, E, formed as shown, encompasses and screws upon the clamp D, the said

cap having at its upper end a conical mouth or opening, *e*. On the cap being screwed down sufficiently, the jaws of the clamp will by the said mouth, while descending upon them, be forced inward against the screw-driver and will bind it not only on its two opposite sides, but on its two opposite edges.

The handle has fixed on its lower end a claw, F, side views of which are shown in Figs. 5 and 6. The claw-shank has not only a screw, *f*, cut upon it, but is formed with a rectangular passage, *g*, for reception of the screw-driver, which is to freely slide through the said shank.

A cylindrical cap, G, to cover the prongs of the claw, screws on the shank of the claw, and has through its head a rectangular opening, *h*, for the passage of the screw-driver through such head. This cap G is to protect a person while using the implement from being accidentally injured by the claw.

In order to use the screw-driver the handle has first to be slid up to the hammer-head, after which such handle should be clamped to the screw-driver. The hammer-head serves as a handle to the screw-driver, such head being grasped by the hand while the screw-driver may be in use. By having the screw-driver firmly fastened to the hammer-head instead of being movable therein, as in my patented tool, all danger of the hammer-head slipping on the screw-driver is avoided. By having the screw-driver to constitute a shank to the hammer-head and to be movable on the handle, and by having to such handle the means described for clamping it to the screw-driver, the hammer-head may be adjusted to different distances from the handle, as occasion may require.

What I claim as of my invention is as follows, viz:

1. The combination of the handle C and the perforated claw F, fixed thereto, with the screw-driver and the hammer-head, and with the jawed clamp D and its screw-cap E.

2. The combination of the cap G, provided with the opening *h*, as described, with the handle and claw adapted and for use with the screw-driver and hammer-head, as specified.

JOHN ADAMS THAYER.

Witnesses:

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