

(No Model.)

L. SMITH.

SCREW.

No. 260,795.

Patented July 11, 1882.

Fig. 1.

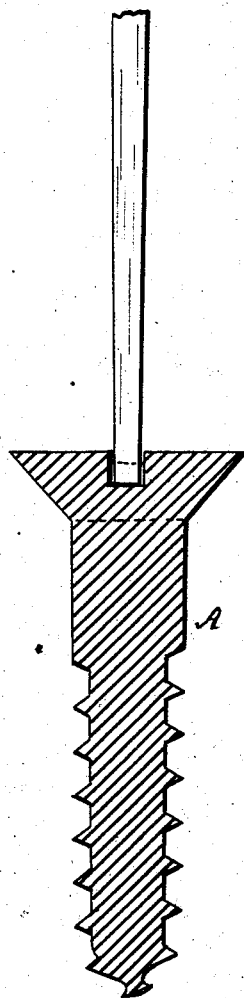


Fig. 2.

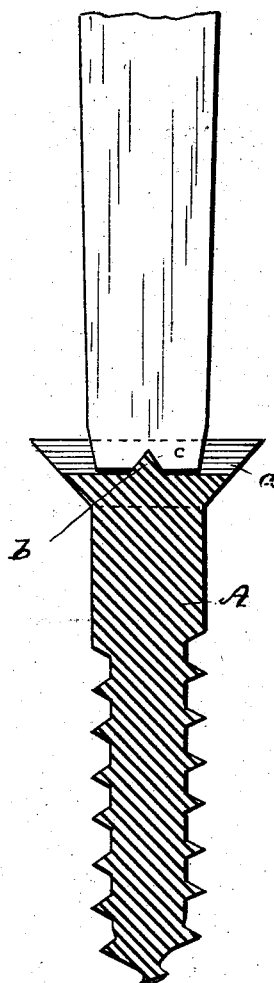
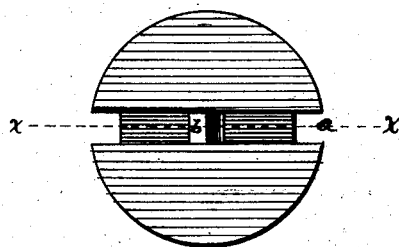


Fig. 3.



WITNESSES
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SCREW.

SPECIFICATION forming part of Letters Patent No. 260,795, dated July 11, 1882.

Application filed October 8, 1881. (No model.)

To all whom it may concern:

Be it known that I, LEVI SMITH, a citizen of the United States, residing at Tidioute, in the county of Warren and State of Pennsylvania, have invented certain new and useful Improvements in Wood-Screws; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Figure 1 is a sectional view of my improved wood-screw. Fig. 2 is also a sectional view on line *xx* of Fig. 3. Fig. 3 is a top or plan view.

My invention relates to that class of wood-screws in which provision is made for the better holding or guiding of the screw-driver to prevent the same from slipping off during the operation of driving or withdrawing the screw.

As heretofore constructed, wood-screws have been made with the groove or nick serrated or corrugated. They have also been made with corrugations on the vertical sides of the groove. They have also been made with the groove having its central portion the depth of the common wood-screw, and deepened, with sloping surfaces to and through the sides of the head.

The two constructions first named are objectionable, for the reason that they are expensive to manufacture, while the last-mentioned form weakens the head of the screw by the unnecessary cutting away of the metal, and renders the same more liable to rupture or break during the operation of driving.

In the drawings, A designates an ordinary wood-screw, provided with a groove or nick, *a*. The groove or nick *a* is provided at its central portion with a single projection, *b*, which is by preference made cone-shaped in cross-section,

as shown; but it may be square or of other convenient form. The function of the projection *b* is to center and steady the screw-driver by fitting into or engaging with a corresponding nick made therein.

The screw-driver is of the ordinary construction with the exception of the nick, and the slight cutting away of the driver to form the nick at the central portion does not weaken it or impair its usefulness for driving the ordinary wood-screw, or for other purposes; and, furthermore, the screw-drivers already in use can be cut away at their central portions by any person and adapted for use on my improved form of screw without any trouble or expense.

My improved screw is simple and cheap in its cost of manufacture, so that it can be put in the market at a very slight cost over the ordinary wood-screw.

I am aware that screw-heads have been constructed with converging notches or slots meeting at the top of the screw-head, the sides of which are parallel to each other and oblique to the longitudinal axis of the body of the screw.

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

The wood-screw herein described, provided with a groove or nick of uniform depth, except where broken by a small projection at its center to fit into a notch in and hold the screw-driver, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

LEVI SMITH.

Witnesses:

R. H. MORRISON,
C. E. WHITE.