

A. B. Lipsey,

Wood Screw.

No. 112,935.

Patented Mar. 21. 1871.

Fig. 1

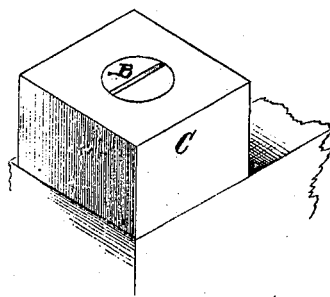


Fig. 2

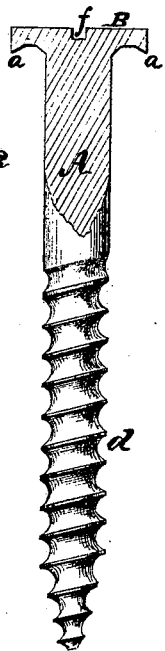
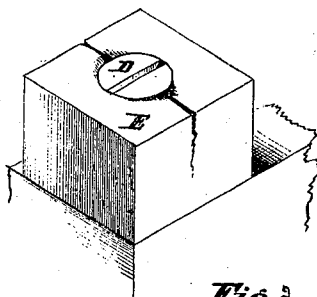


Fig. 3.



Witnesses

Nathan T. Madden

William G. Quigley

Inventor

Andrew B. Lipsey

UNITED STATES PATENT OFFICE.

ANDREW B. LIPSEY, OF WEST HOBOKEN, NEW JERSEY.

IMPROVEMENT IN WOOD-SCREWS.

Specification forming part of Letters Patent No. **112,935**, dated March 21, 1871.

To all whom it may concern:

Be it known that I, ANDREW B. LIPSEY, of West Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Heads for Screws; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a screw-head made in accordance with my invention as it appears when inserted in wood. Fig. 2 represents a central section of my improved head as applied to a wood-screw. Fig. 3 represents the splitting effect of the ordinary screw-head when inserted in wood.

The nature of my invention consists in forming a sharp lip or flange around the lower outside part of the head, as hereinafter described.

In the drawings, the part marked A is the body of the screw, and B is the head. The under side of the head B is made concave or recessed, so as to leave a sharp lip, *a*, around the lower corner of the head, as indicated in Figs. 1 and 2. The lip or flange *a* cuts into the wood C when the screw is used, and prevents the head from pressing the fibers apart and splitting the wood, as is done by the ordinary conical head, the appearance of which is illustrated in Fig. 3, where D is the screw-

head, and E the wood. The ordinary conical head also presses down the fiber of the wood, so as to leave a depression around the head unless the wood has previously been removed by countersinking, whereas with my improved head the lip *a* cuts the fibers at the outer corner of the head, and none of the fibers are pressed down, except such portions as are under the head, the remainder being left flat and smooth, as shown in Fig. 1, and that, too, without the labor or trouble of countersinking.

The thread *d* of the screw may be made in the ordinary manner, and the slot *f* in the head, by which the screw is turned, may also be cut entirely across the head, or only for a portion of the distance, as desired.

Having described my improved head for screws, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

A wood-screw one end of which is provided with a thread, *d*, and the other end with a head, B, having a slot, *f*, for turning it, and an under lip or flange, *a*, substantially as and for the purposes set forth.

ANDREW B. LIPSEY.

Witnesses:

WILLIAM G. QUIGLEY,
NATHAN T. MADDEN.