

(No Model.)

F. M. WADE.

LAST.

No. 395,465.

Patented Jan. 1, 1889.

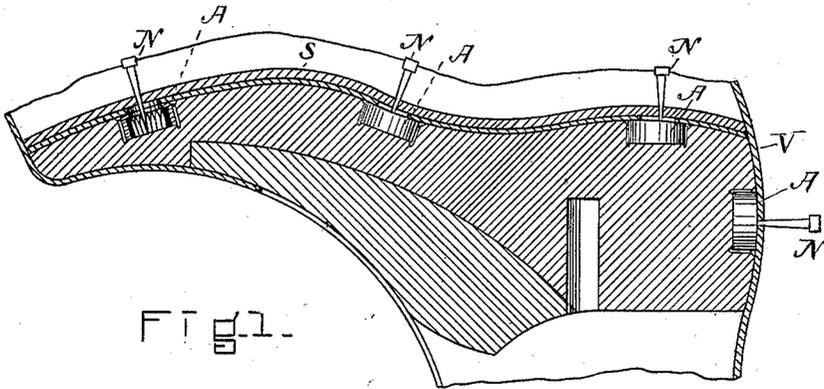


FIG. 1.

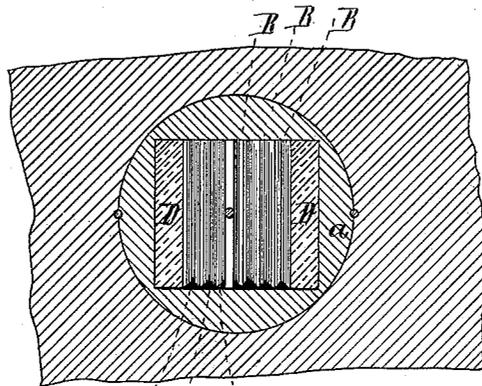


FIG. 2.

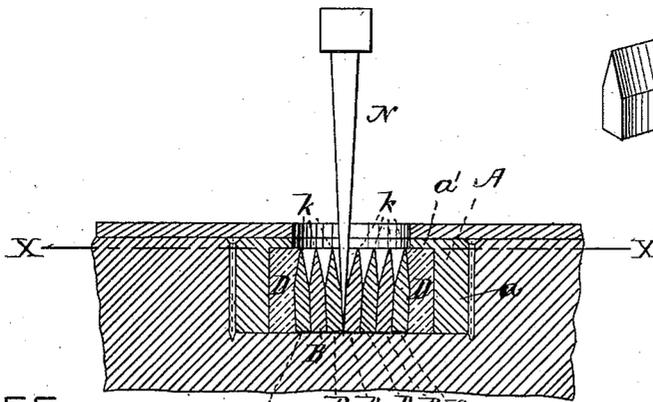


FIG. 3.

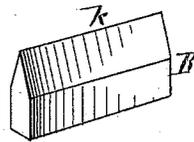


FIG. 4.

WITNESSES.

*Frank G. Parker.*

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# UNITED STATES PATENT OFFICE.

FRED M. WADE, OF CAMPELLO, MASSACHUSETTS.

## LAST.

**SPECIFICATION** forming part of Letters Patent No. 395,465, dated January 1, 1889.

Application filed August 31, 1883. Serial No. 284,301. (No model.)

### *To all whom it may concern:*

Be it known that I, FRED M. WADE, of Campello, in the county of Plymouth and State of Massachusetts, have invented certain new and  
5 useful Improvements in Indestructible Tack Socket-Pieces for Lasts, &c., of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to provide  
10 lasts and other articles in which at and near certain points tacks or nails are frequently driven and withdrawn with socket-pieces set in the last or other article at the proper place to receive and hold the point of the tack or  
15 nail without injury to itself, thus forming a good substitute for the wood as a holding medium and completely saving the last or other article from injury. This object I attain by the mechanism shown in the accompanying  
20 drawings, in which—

Figure 1 is a longitudinal vertical section taken through the center of the last, showing my tack socket-pieces A A in place. Fig. 2  
25 is a horizontal section (enlarged) taken on line *x x* of Fig. 3. Fig. 3 is a vertical section (enlarged) showing the interior construction of one of my socket-pieces. Fig. 4 is a view in perspective showing one of the parts.

In construction I prefer to use a metal case,  
30 A, shaped as shown in the drawings—that is, it consists of a cylindrical part, *a*, having a square chamber, as shown in Fig. 2, and an internal annular disk, *a'*. Within the case A, I place a number of flat pieces, B, of metal,

shaped as shown in Fig. 4, each having a knife- 35 edge, *k k*. These pieces B are held in place by the annular disk *a'* and the rubber spring-piece D D at each side. (See Fig. 3.)

The rubber pieces D D hold the knife-edge plates B B with a yielding pressure, so that if  
40 a nail—as N, for instance—is driven in they will yield enough to grip it firmly and hold it as well as wood would.

The tack socket-pieces may be located in the last, as shown, or may be placed in any  
45 desired position.

The pieces that I have shown as located on the sole of the last are intended to receive the tacks that serve to hold the inner sole, S, while  
50 the piece at the heel end of the last is intended to receive the nail that holds the vamp V.

I am aware that heretofore plates of spring-steel have been inserted in recesses made in lasts for the purpose of receiving the ends of  
55 nails.

I claim—

In a last or other article in which nails are frequently driven, the combination of the metal case A, having a circular exterior and an interior square chamber, with the knife-  
60 edge pieces B and elastic cushion-pieces D D, substantially as described, and for the purpose set forth.

FRED M. WADE.

Witnesses:

FRANK G. PARKER,  
MATTHEW M. BLUNT.