

(No Model.)

F. M. WADE.

LAST.

No. 395,465.

Patented Jan. 1, 1889.

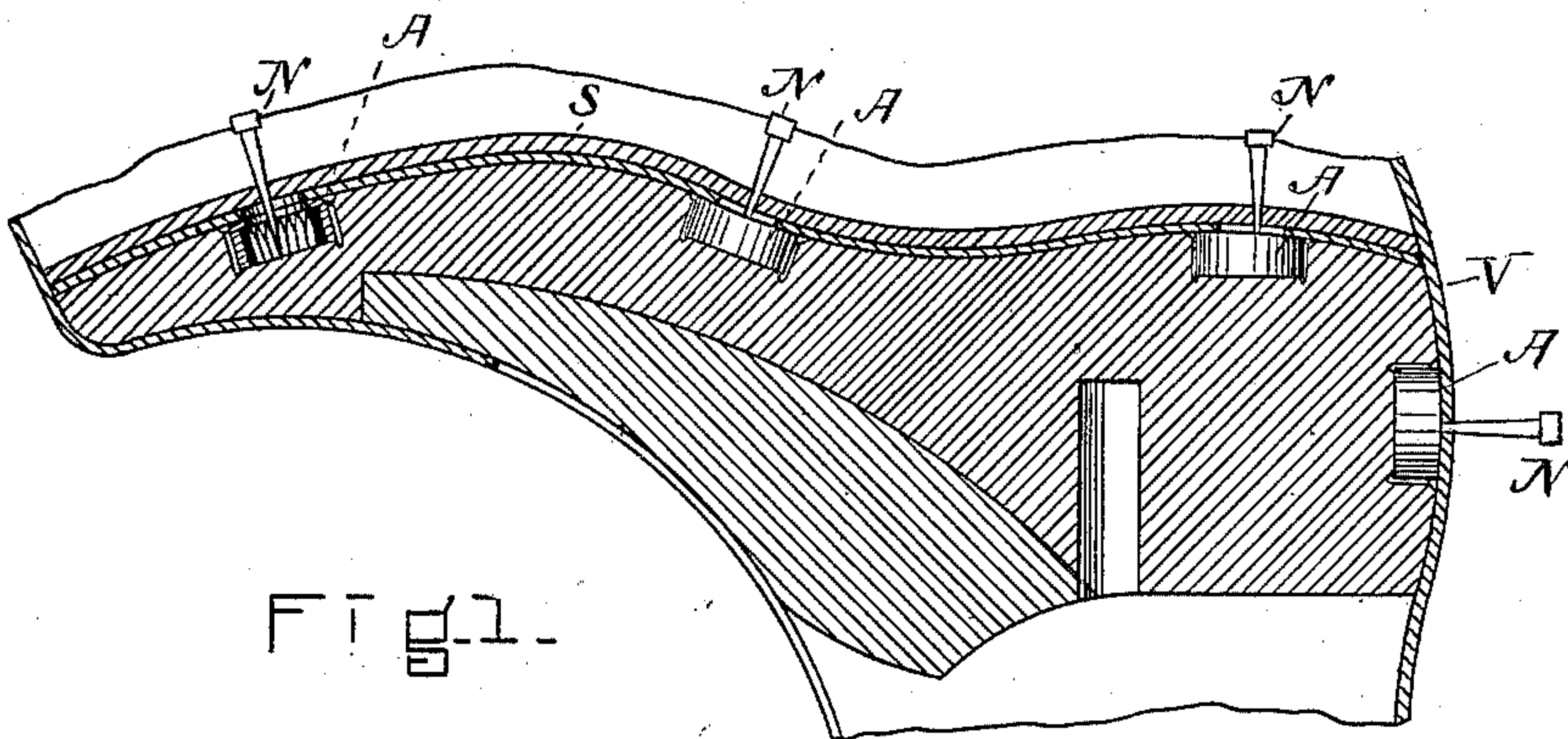


FIG. 1.

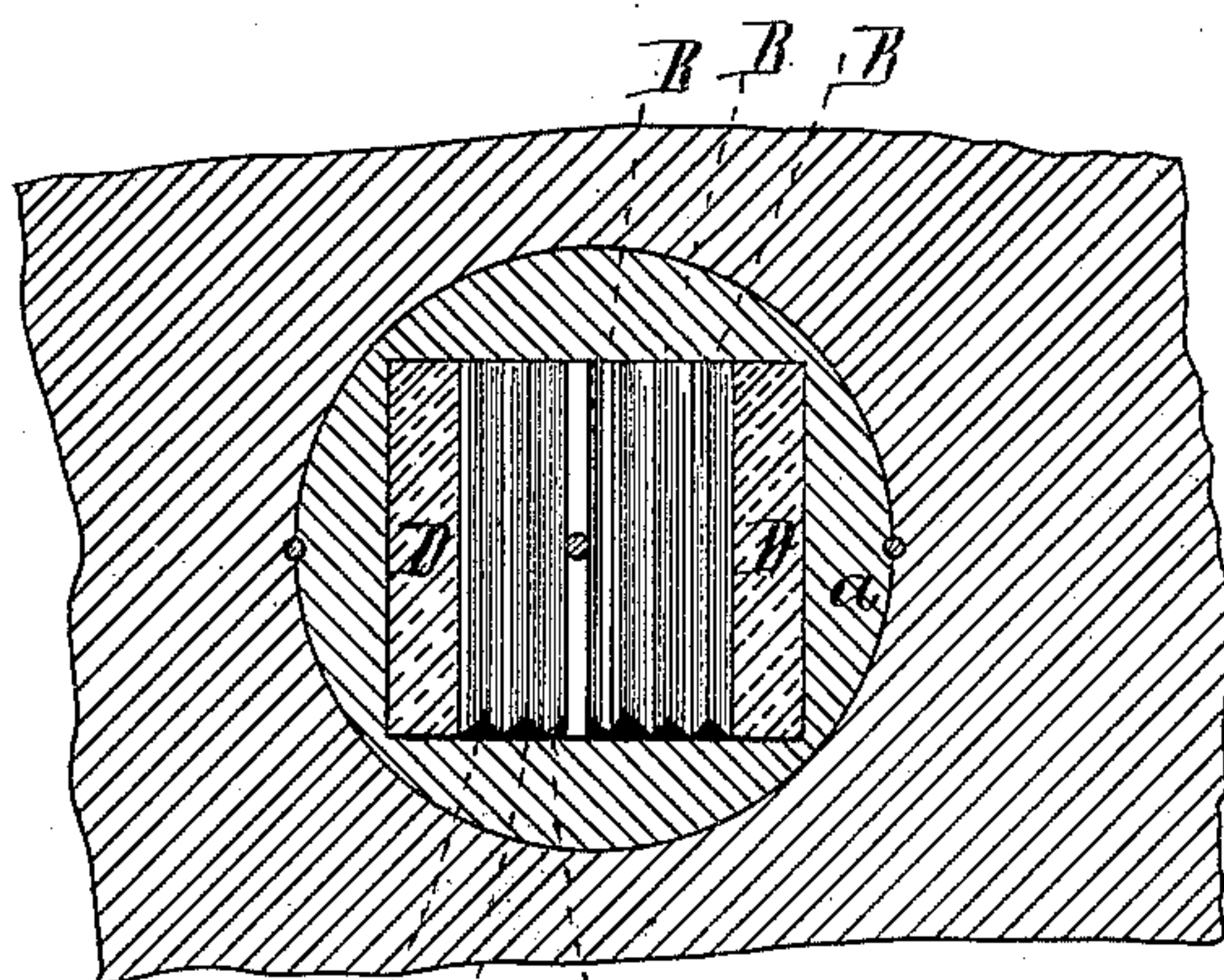


FIG. 2.

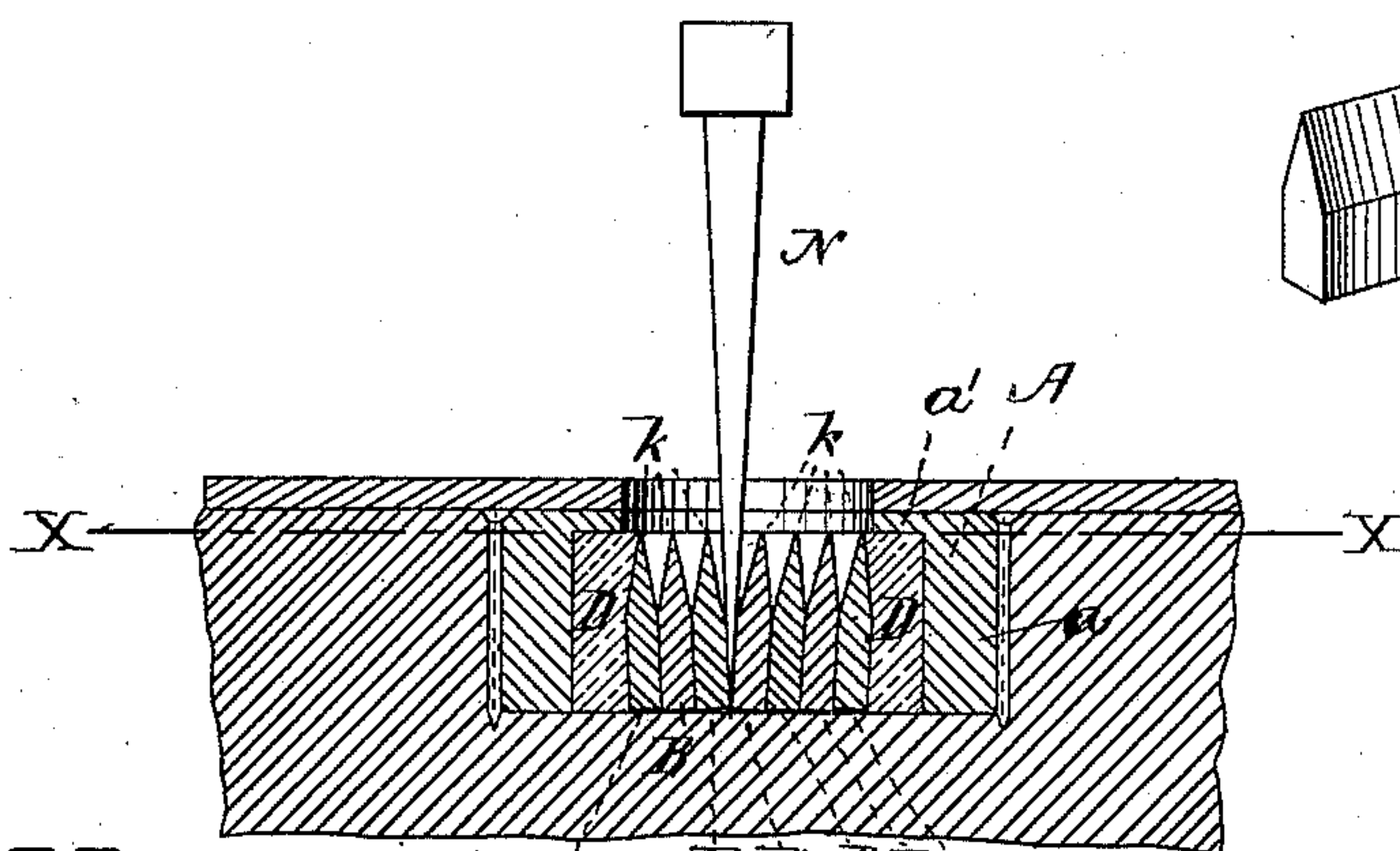


FIG. 3.

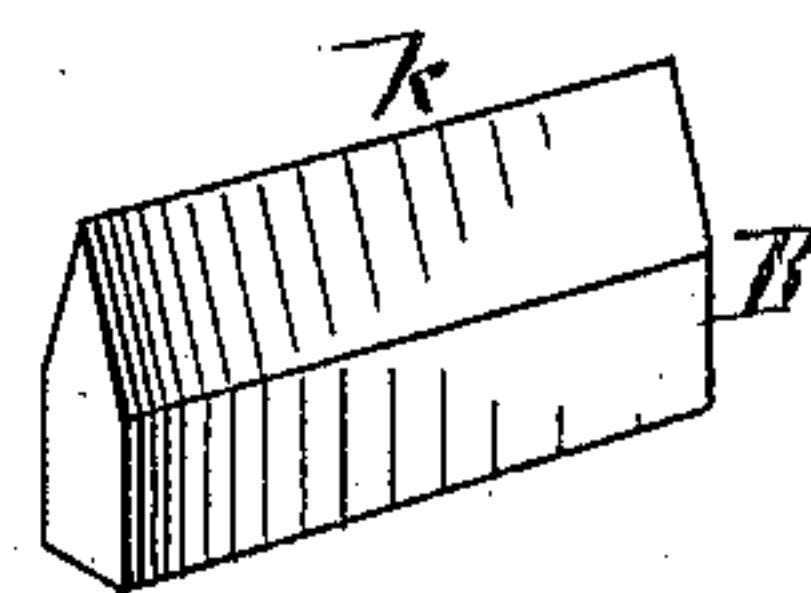


FIG. 4.

WITNESSES.

Frank G. Parker,

Matthew M. Blunt,

INVENTOR

Fred M Wade

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, 1888. Serial No. 284,301. (No model.)

To all whom it may concern:

Be it known that I, FRED M. WADE, of Cam-
pello, 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 fol-
lowing, taken in connection with the accom-
panying 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driven and withdrawn with socket-pieces set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 me-
dium 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
is a horizontal section (enlarged) taken on line
25 *x x* of Fig. 3. Fig. 3 is a vertical section (en-
larged) 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
the piece at the heel end of the last is intended 50
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
nails. 55

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 pur-
pose set forth.

FRED M. WADE.

Witnesses:

FRANK G. PARKER,
MATTHEW M. BLUNT.