W. J. PACKER.

SOFT NOSE HAMMER.

APPLICATION FILED JULY 25, 1918.

1,298,382. Patented Mar. 25, 1919.

Fig. 1.

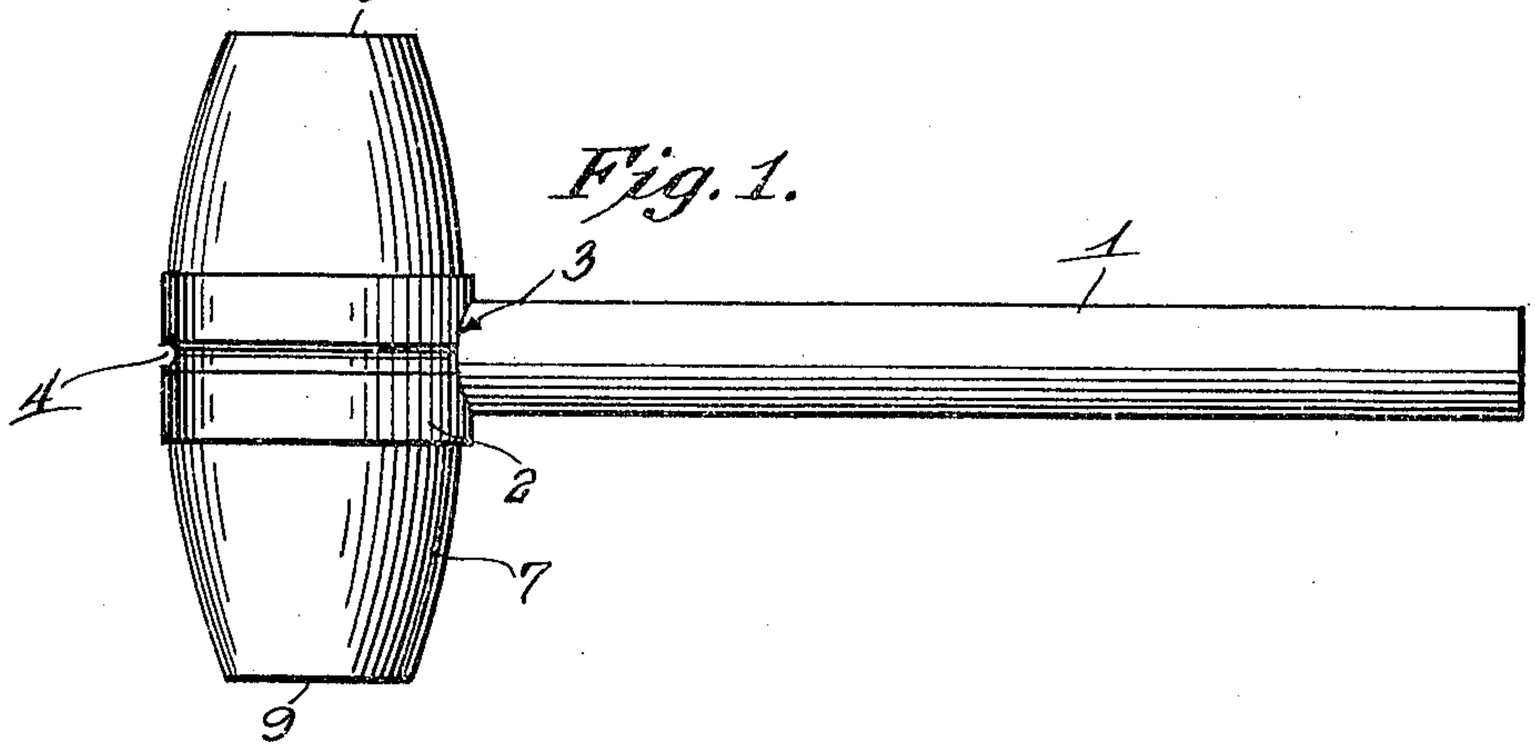


Fig. 2.

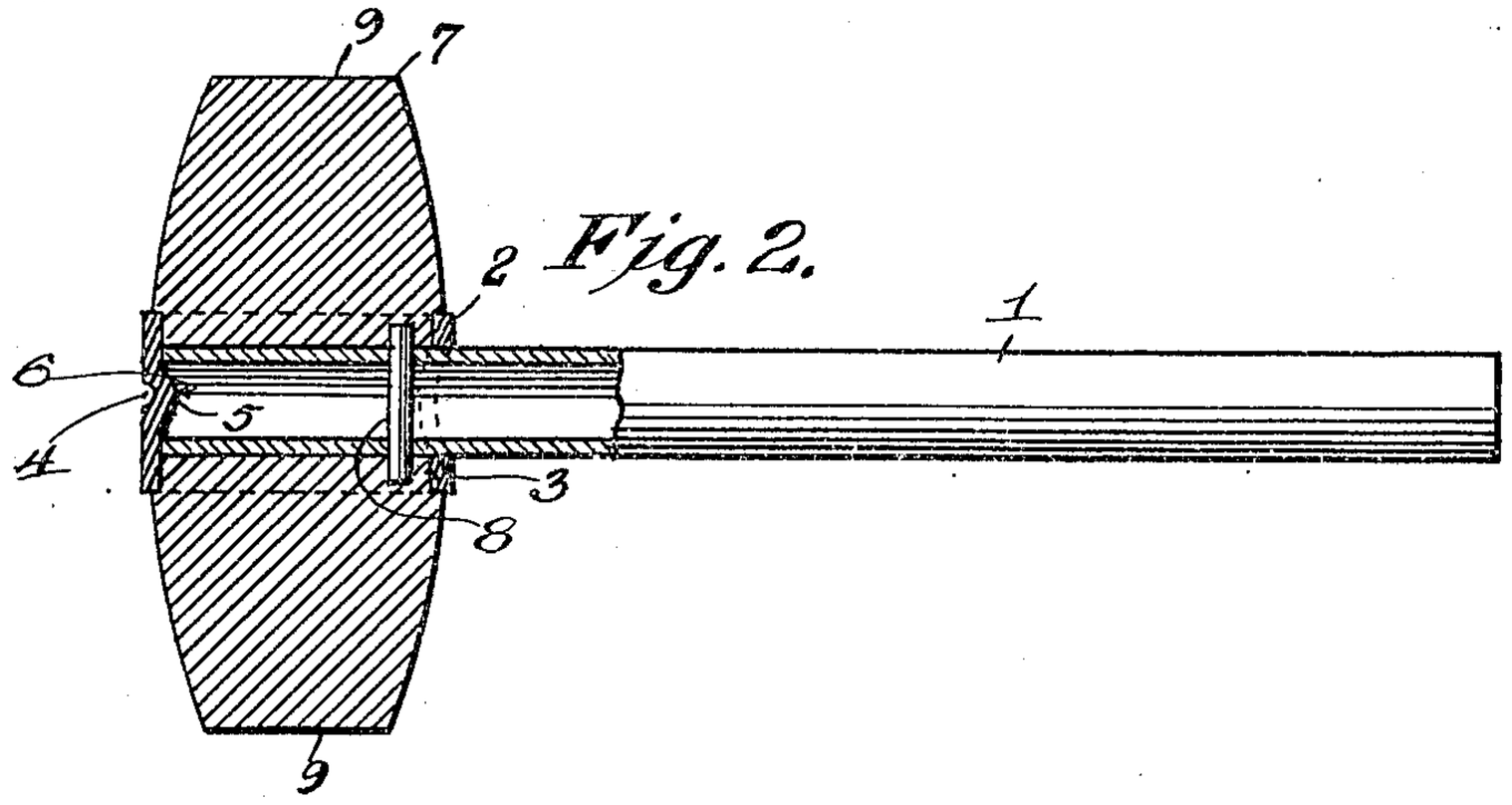
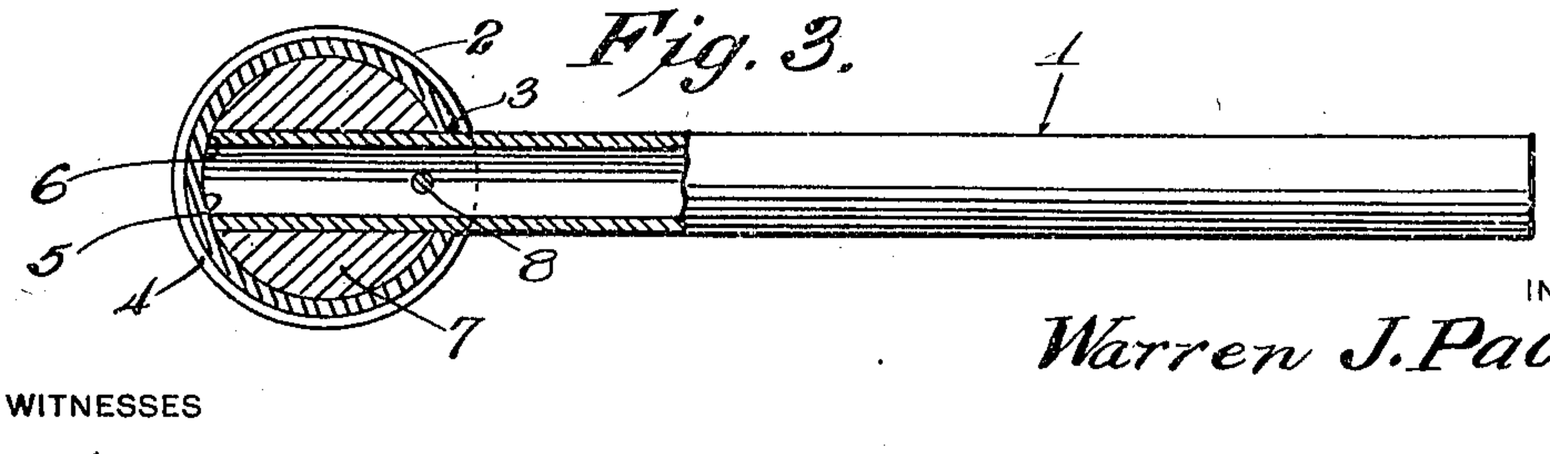


Fig. 3.



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SOFT-NOSE HAMMER.

1,298,382. Specification of Letters Patent. Patented Mar. 25, 1919.

Application filed July 25, 1918. Serial No. 246,714.

To all whom it may concern:

Be it known that I, WARREN J. PACKER, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Soft-Nose Hammers, of which the following is a specification.

This invention relates to machinists' tools and more particularly to an improved soft nose hammer for use by machinists to rap parts of machinery which might otherwise be injured by the ordinary hammer head.

One of the principal objects of the invention is to provide a hammer of this character that will be simple in construction and which may be readily assembled in a novel manner and which may be easily repaired when the soft end of the hammer head has been mutilated.

A further object of the invention is the provision of a device of this character which consists of comparatively few parts and is simple in construction but durable and well adapted to withstand the rough usage to which devices of this character are ordinarily subjected.

For a full description of the invention and the advantages and merits thereof, reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a side elevation of the invention.

Fig. 2 is a longitudinal section through the hammer head.

Fig. 3 is a transverse section through the same.

Referring to the drawings, wherein is illustrated the preferred form of my invention, in which like numerals of reference indicate corresponding parts throughout the several views, the handle 1 is constructed from a length of tubular material such as a piece of piping and this handle has mounted at one end a metal band 2 which is a width greater than the diameter of the pipe so that the band may be provided with a suitable opening 3 through which the end of the pipe 1 is extended as shown to advantage in Figs. 2 and 3 of the drawing. The pipe thus extends centrally through the band and has its end engaged at a point diametrically opposite to the opening 3. An annular channel or groove 4 is provided in the center of the band to form an interior bead 5 which engages the notched end 6 of the pipe to prevent any loosening of the band on the pipe. The hammer head 7 is preferably cast from lead or zinc or any other suitable relatively soft material and is formed in a mold into which the end of the handle having the band thereon is inserted. The end of the pipe within the band is also provided with a locking pin 8 the ends of which project beyond opposite points on the pipe and form studs which are embedded in the opposite ends of the hammer head. The hammer head is shaped in any suitable manner and each end is flattened to provide the striking surfaces 9.

It will be readily observed that by considering Fig. 1 of the drawing that a neat and efficient hammer is provided by this construction which may be readily manipulated by the machinist or workman and the relatively soft metal of the hammer head will prevent injury being done to the machinery when it is struck by the tool. When the head has been mutilated or injured by continued use, it may be readily removed and a new head substituted using the same handle and retaining band 2.

The foregoing description and accompanying drawings have reference to what might be considered to be the preferred form of my invention. I desire it to be understood that I may make certain corrections in the combination and arrangement of parts, materials, dimensions, et cetera, as may prove expedient and fall within the scope of the appended claims.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A hammer of the character described, comprising a handle having a metallic circular band mounted at one end, the said band having an opening to receive one end of the pipe, an annular groove formed in the band, the end of the pipe being notched to receive the said groove at a point diametrically opposite the said opening, and a soft hammer head mounted on the end of the pipe within the band and embraced by the said band.

2. A hammer of the character described, comprising a handle, having a metallic circular band mounted at one end, the said band having an opening to receive one end of the pipe, an annular groove formed in the band, the end of the pipe being notched to receive the said groove at a point diametrically opposite the said opening, and a soft

hammer head mounted on the end of the pipe within the band and embraced by the said band, and a locking pin extended transversely through the said pipe within the band and having its end extended to form studs embedded in the said hammer head.

3. A hammer of the character described, comprising a handle, an annular band of a width greater than the diameter of the handle, the said band having an opening to receive one end of the handle, the terminal of the latter being notched, means formed on the band to engage the notch for preventing loosening of the band from the handle, and a hammer head formed on the end of the handle within the said band.

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

WARREN J. PACKER.

Witnesses:

HENRY RUNGE,

RUTH E. PAYNE.