

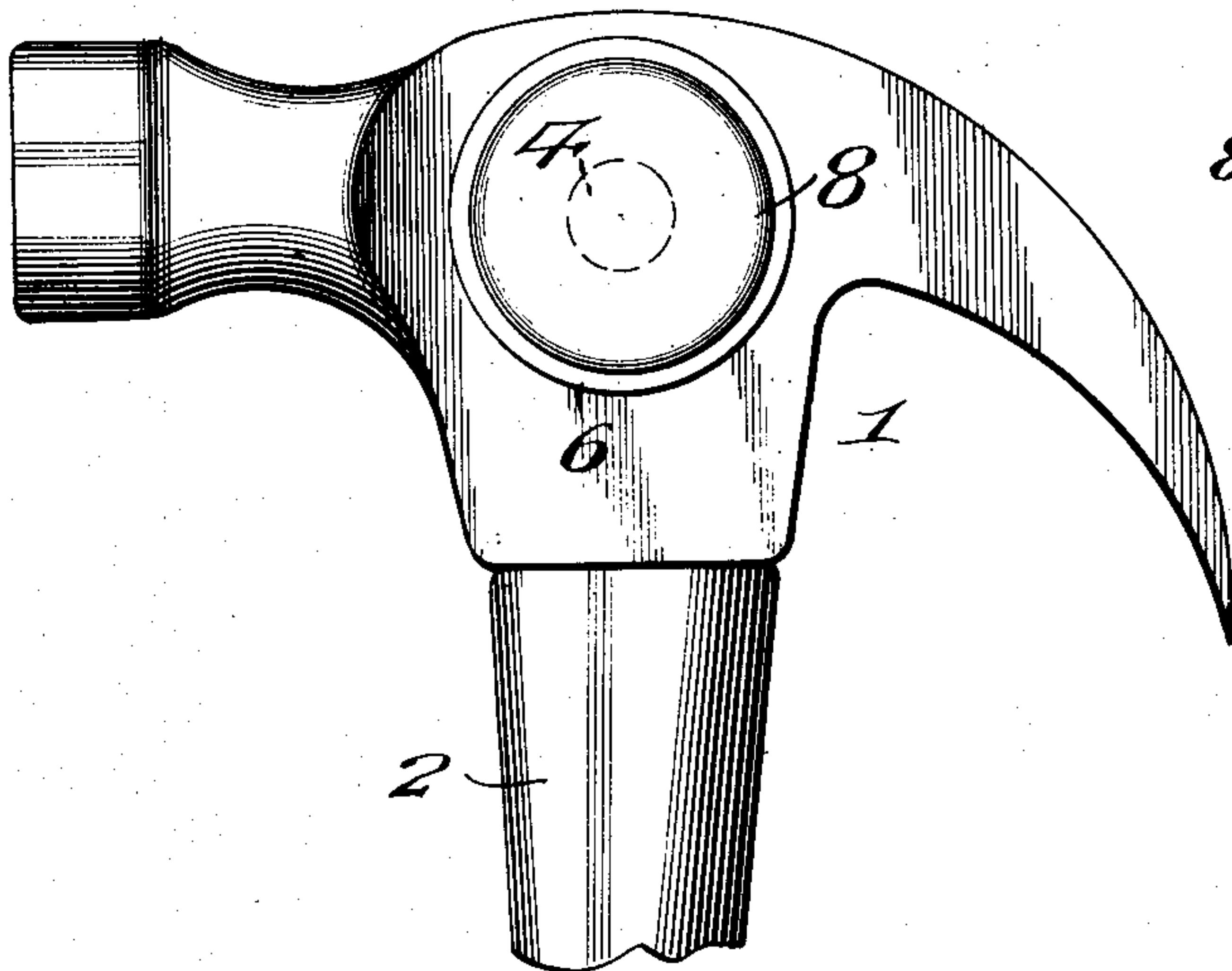
No. 834,827.

PATENTED OCT. 30, 1906.

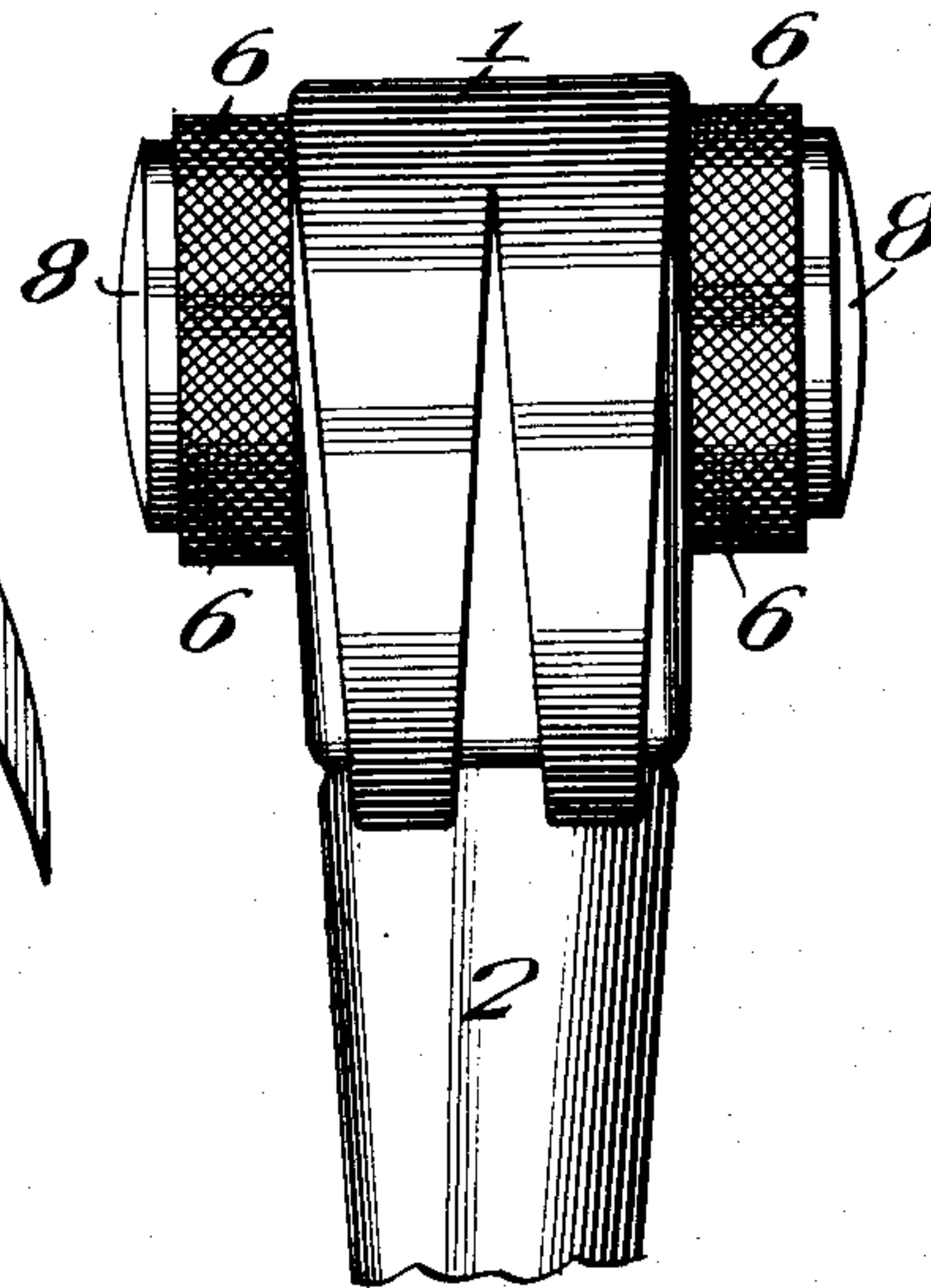
J. D. LUSE.  
Mallet.

APPLICATION FILED JAN. 9, 1906.

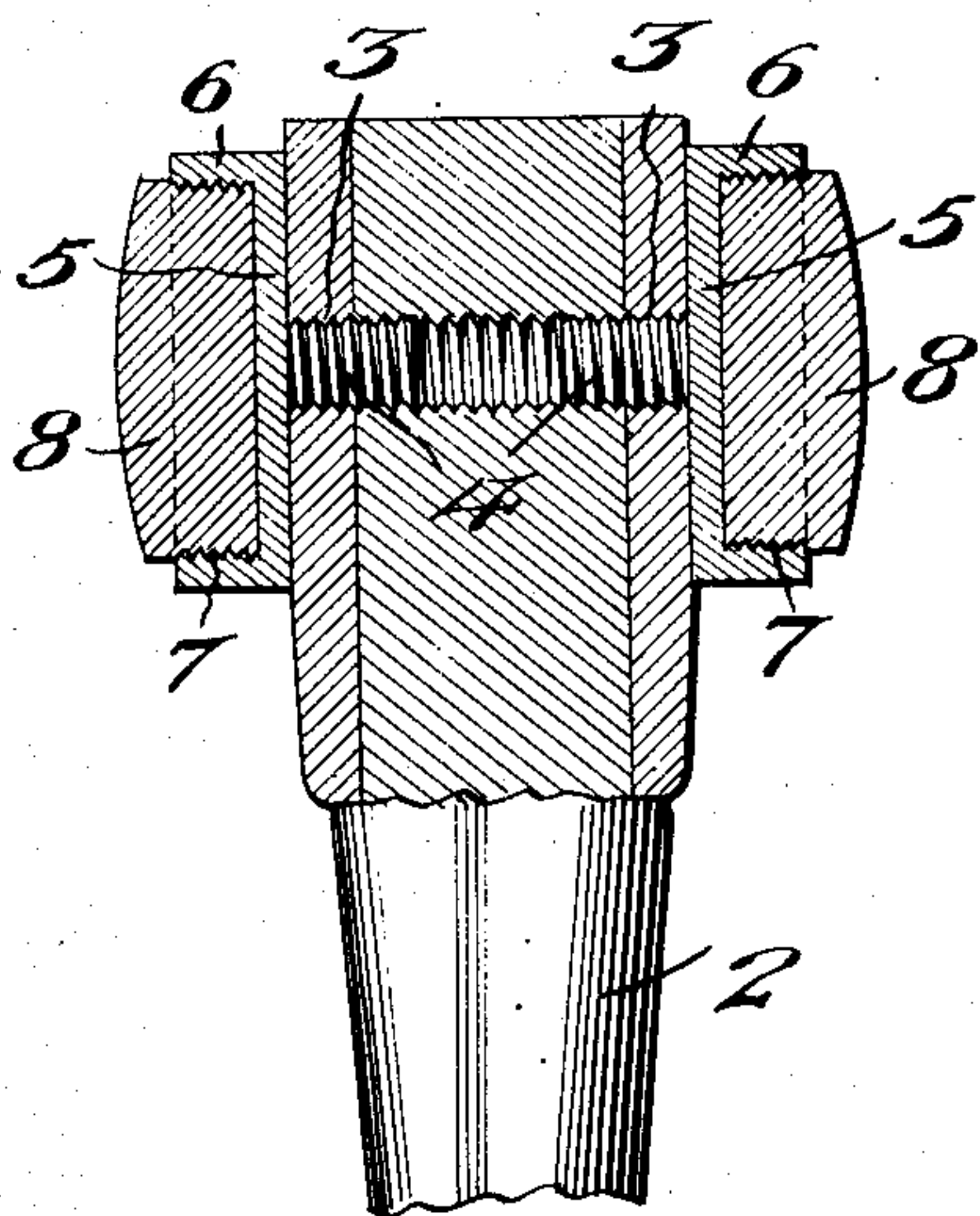
*Fig. 1.*



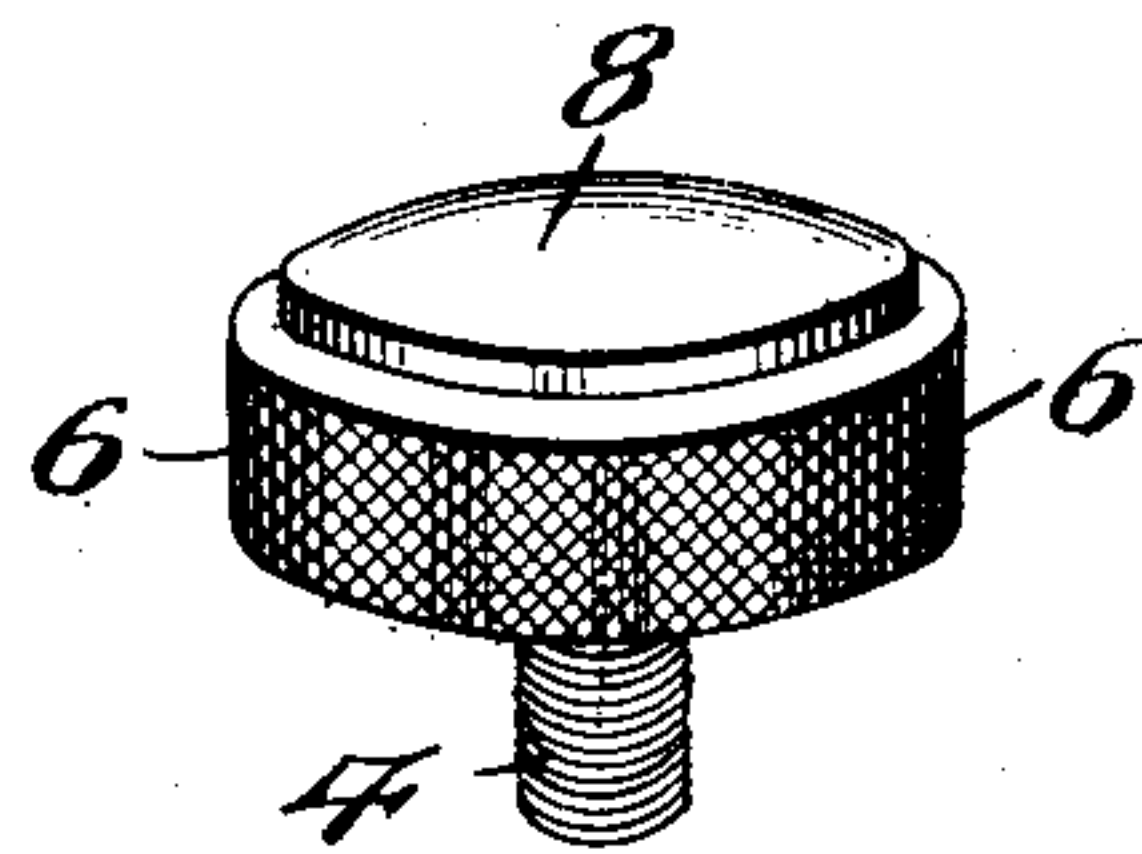
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

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## MALLET.

No. 834,827.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed January 9, 1906. Serial No. 295,271.

*To all whom it may concern:*

Be it known that I, JAMES D. LUSE, a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented new and useful Improvements in Mallets, of which the following is a specification.

This invention relates to mallets, the object of the invention being to provide a combined hammer and mallet with the striking-heads thereof so arranged that they will not interfere in the slightest way with each other, thus enabling the implement to be used with equal effectiveness either as a hammer or a mallet.

A further object of the invention is to so combine the mallet head or heads with the hammer-head that they may be removed and replaced at will, the construction also providing for an easy renewal of the part or parts of the mallet-head which receive and sustain the impact of the blows.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement herein-after fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a hammer-head with the improved mallet attachment applied thereto. Fig. 2 is an end elevation of the same. Fig. 3 is a cross-section through the head of the implement. Fig. 4 is a detail perspective view of one of the detachable mallet-heads.

Like reference-numerals designate corresponding parts in all the figures of the drawings.

Referring to the drawings, 1 designates a familiar form of hammer-head provided with the usual opening or eye to receive the handle 2.

In carrying out the present invention the head 1 is provided at opposite points with threaded openings 3, directly in line with each other, and after the handle is inserted in the head said opening 3 is preferably extended through the handle 2, as shown in Fig. 3, so as to admit the threaded shanks or stems 4 of a pair of oppositely-located mallet-head holders, each of which is cup-shaped or provided with a disk-shaped base 5 and a marginal flange 6, extending entirely around the same, said cup-shaped holder bearing and

being screwed up firmly against the flat side of the head 1, as clearly shown in Fig. 3.

The outer surface of the flange 6 is preferably knurled or milled to facilitate the application of the holder to the head 1 and its removal therefrom. The interior surface of the flange 6 is also threaded, as shown at 7, and a hard-wood or fiber block 8, forming the striking-surface of the mallet-head, is inserted in the holder, the size of said block 8 being such that the threads 7 will engage the block and act as a retaining means therefor. The outer striking-surface of the block is preferably rounded or convex, as shown. It will be understood that two of said mallet-heads are employed, the same being arranged at opposite sides of the hammer-head and being firmly held in place thereon by means of the threaded stems or shanks 4, which are of sufficient length to extend through the metal sides of the hammer-head and into the handle 2, as shown in Fig. 3, said shanks or stems thus acting as a key to prevent the hammer-head from slipping off the handle. Two complete implements are thus combined in one, rendering it unnecessary for a mechanic to carry a cumbersome mallet about with him. The mallet heads or blocks 8 may be easily removed when worn out or injured, and other blocks may be readily substituted therefor.

Having thus described the invention, what I claim is—

1. A hammer-head having a threaded opening in the side thereof, in combination with a mallet-head comprising a flanged holder embodying a threaded shank or stem screwed into the opening in the hammer-head, and a block mounted in said holder and projecting beyond the same, substantially as described.

2. A hammer-head provided with a threaded opening in one side thereof, in combination with a mallet-head embodying a cup-shaped holder having a threaded shank which screws into the opening in the hammer-head, said holder being internally threaded, and a striking-block fitted into the threaded holder and projecting beyond the same, substantially as described.

3. The combination with a hammer provided with a threaded opening through one

side thereof, of a mallet-head embodying an interiorly-threaded cup-shaped holder having a threaded shank which passes through the opening in the hammer-head and enters the  
5 handle, and a striking - block having a threaded engagement with the holder and projecting beyond the same.

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

JAMES D. LUSE.

Witnesses:

H. RUSSELL HILL,  
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