Oct. 27, 1925. 1,558,740

H. A. MALLORY

POOL CUE TIP

Filed March 30, 1925

Fig. 1.

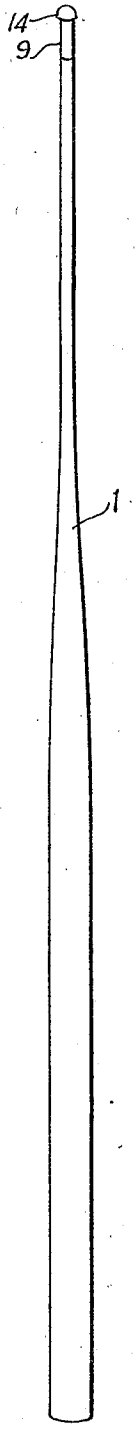


Fig. 2.

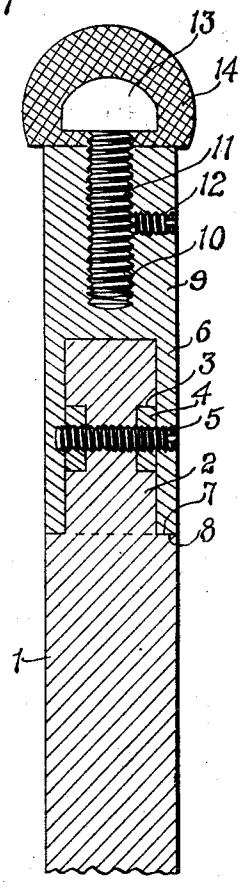
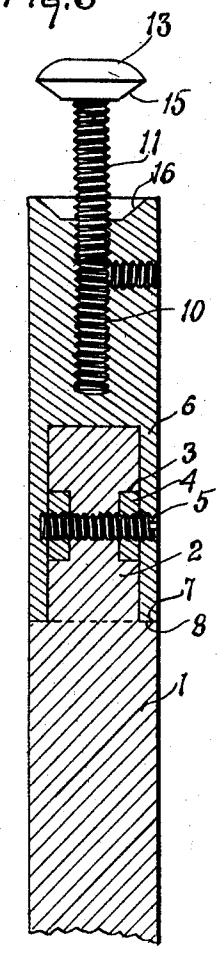


Fig. 3



INVENTOR

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Patented Oct. 27, 1925. 1,558,740

UNITED STATES PATENT OFFICE.

HOWARD A. MALLORY, OF COOPERSTOWN, NEW YORK.

POOL-CUE TIP.

Application filed March 30, 1925. Serial No. 19,325.

To all whom it may concern:

Be it known that I, HOWARD A. MALLORY, a citizen of the United States, residing at Cooperstown, in the county of Otsego and State of New York, have invented certain new and useful Improvements in Pool-Cue Tips, of which the following is a specification, reference being made therein to the accompanying drawing.

My invention relates to pool cue tips.

It is the object of my invention to provide a pool cue tip which will be rigid, strong and durable and readily detachable.

It is my object to provide a tip such as leather which may be renewable when detachable, but which when once attached will be permanently and firmly engaged with the cue.

It is a further object to provide both a detachable tip and a detachable head for the cue.

It is a further object of my invention to provide a detachable head and a detachable tip so that either or both may be detached from the cue.

Referring to the drawings:

Figure 1 is a side elevation of the complete cue with detachable tip;

Figure 2 is a section through one form of the detachable head and detachable cue tip; and

Figure 3 is a view of a modified form of the detachable tip.

Referring to the drawings in detail, 1 is the main shaft of the cue which has a narrow tubular outer end 2 with countersunk portions 3 for receiving washers 4 to provide broad bearing or thread surfaces for the screw 5 and additional shoulders surface or bearing surface to prevent the movement of the sleeve 6 of the detachable head from the tubular portion 2. The inner end of the sleeve at 7 abuts against the shoulder 8 on the screw.

The outer end of the sleeve 6 carries a tubular member 9 which is internally threaded at 10 to receive the detachable threaded shaft 11 which attaches the cue tip to the detachable head. This threaded member 11 is prevented from becoming unscrewed by the set screw 12 which is carried in a detachable head.

The threaded member 11 carries a semicircular or conical head 13 upon which is mounted the leather cue tip 14.

I prefer to have the cue made of wood, the washers 4 of steel, the screws 5 and 12 of brass, and the detachable head of aluminum. I also prefer to make the threaded member 11 and the head 13 all of aluminum while the cue tip 14 is of leather.

In Figure 3 it will be seen that the shaft 1 of the cue is internally threaded at 10 to receive the threaded member 11 with the head 13. This head has a tapering base 15 which fits within the conical countersunk portion 16.

It will be understood that I desire to comprehend within my invention such modifications as may be necessary to adapt it to varying conditions of use.

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

1. In a cue, a shaft, a head mounted thereon, a tip detachably mounted on the head consisting of a threaded member threaded in the head, a retaining head, and a yielding covering on the retaining head to form the cue tip, said covering being enclosed at the bottom between the bottom of the retaining head and the end of the cue head.

2. In a cue, a shaft, a head mounted thereon, a tip detachably mounted on the head consisting of a threaded member threaded in the head, a retaining head, a yielding covering on the retaining head to form the cue tip, and set screws to position the detachable tip on the head and the head on the cue shaft.

3. In a cue, a shaft, a countersunk end therefor, said end being internally threaded a portion of its length, a threaded member adapted to engage with the internally threaded portion of the end of the cue shaft, a cue tip having a conical head and a tapered throat for engaging with the countersunk portion of the cue on the end thereof, and a set screw to position the detachable tip on said shaft.

In testimony whereof, I affix my signature.

HOWARD A. MALLORY.