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PATENTED APR. 17, 1906.

G. W. ALLEN & W. B. BEACH.
BILLIARD CUE TIP FASTENER.

APPLICATION FILED SEPT. 18, 1905.

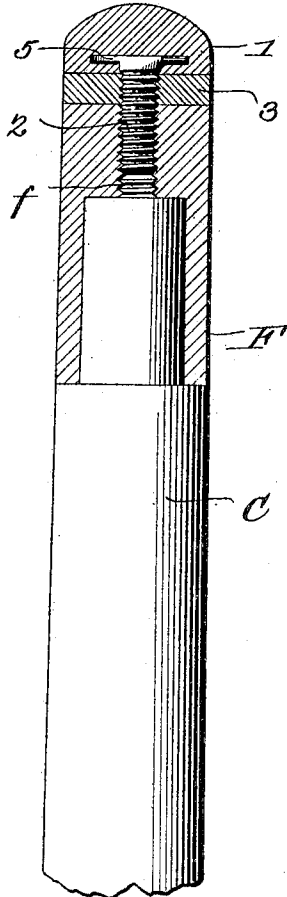


Fig. 1.

Fig. 2.

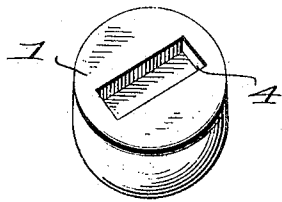


Fig. 3.

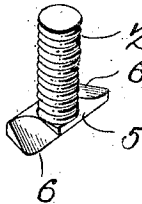
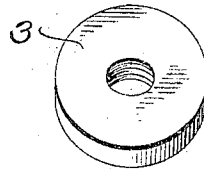


Fig. 4.



Witnesses:

E. J. Stewart

R. M. Elliott

George W. Allen
Warren B. Beach Inventors,

by *C. A. Snow*
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE W. ALLEN AND WARREN B. BEACH, OF CLYDE, KANSAS.

BILLIARD-CUE-TIP FASTENER.

No. 818,011.

Specification of Letters Patent.

Patented April 17, 1906.

Application filed September 18, 1905. Serial No. 278,996.

To all whom it may concern:

Be it known that we, GEORGE W. ALLEN and WARREN B. BEACH, citizens of the United States, residing at Clyde, in the county of Cloud and State of Kansas, have invented a new and useful Billiard-Cue-Tip Fastener, of which the following is a specification.

This invention relates to billiard-cue-tip fasteners.

The object of the invention is in a ready and practical manner to secure the tip to the cue in such manner as will be absolutely positive in holding it against accidental separation until worn out, and, further, in which the replacing of a new tip for one that is worn out may be accomplished without the necessity of the employment of any particular implement or tool for the purpose.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a billiard-cue-tip fastener, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a view in elevation, partly in section, of a portion of a billiard-cue, exhibiting the tip of the present invention combined therewith. Fig. 2 is an inverted perspective detail of the button or point. Fig. 3 is a similar view of the attaching member. Fig. 4 is a similar view of the securing element.

Referring to the drawings, C designates a cue of the usual or any preferred construction and having combined with it a metallic ferrule F, provided with a centrally-arranged longitudinally-disposed threaded orifice *f*. As these parts may be of the usual or any preferred construction, further description thereof is deemed unnecessary.

The present invention resides in the novel form of cue-tip fastener which embodies a button or point 1, made, preferably, of leather, as usual, an attaching member 2, of metal, and a securing element 3, preferably of leather. The button 1 is, as usual, semi-spherical in shape and is provided on its flat face with a socket 4, which is adapted to be

engaged by the head 5 of the attaching member. As clearly shown in Fig. 3, the head 5 is rectangular and is provided with oppositely-disposed cutting edges 6, which are adapted to form a seat in the opposite walls of the socket, thus to effect positive locking or securing of the attaching member of the button. The cutting edges are disposed oppositely to the pitch of the threads, so that to effect the connection of the head with the walls of the socket it will be necessary to turn the screw from right to left, the screw-threads being right hand. When the member has been turned to bring the length of the head at right angles to that of the socket, glue or any other suitable adhesive is filled into the socket and around the head and shank of the member, thereby securely anchoring it in position. After the attaching member has thus been secured the securing element 3 is positioned as shown in Fig. 1, being held combined with the button by glue or any other suitable adhesive, and when the adhesive sets any tendency on the part of the attaching member to turn or move will be positively precluded. In positioning the tip upon the cue it will only be necessary to bring the threaded shank of the attaching member into engagement with the threaded orifice *f* of the ferrule, whereby the positive combination of the tip and cue will be secured. Owing to the fact that there will be no possibility of the button becoming detached from the attaching member, the former can be used until worn out without resetting or regluing, and when no longer fit for use it will be removed and replaced by a new tip at a cost that will be practically negligible.

The improvements herein defined while simple in character will be found thoroughly efficient in use for the purposes designed and may be readily adapted to ordinary cues without requiring any change whatever in their structural arrangement other than the provision of the threaded orifice in the ferrule.

Having thus described the invention, what is claimed is—

A cue-tip embodying a button having its flat side provided with a rectangular socket, an attaching member comprising a threaded

shank and a pair of cutting elements adapted
to incise the walls of the socket, the pitch of
the cutting edges being opposite to that of
the threads of the shank, and a securing ele-
5 ment attached to the button and through
which the shank of the attaching member
projects.

In testimony that we claim the foregoing

as our own we have hereto affixed our signa-
tures in the presence of two witnesses.

GEORGE W. ALLEN.
WARREN B. BEACH.

Witnesses:

W. C. HUFF,
WALTER NELSON.