W. D. SMAIL.

BILLIARD CUE TIP.

APPLICATION FILED APR. 23, 1912.

1,050,860. Patented Jan. 21, 1913.

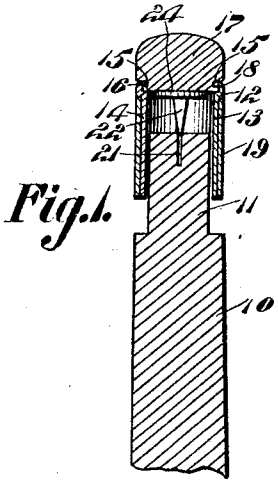


Fig. 1.

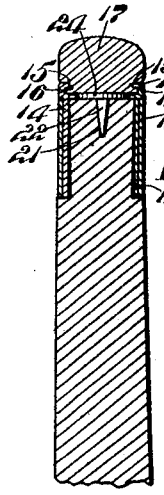


Fig. 2.

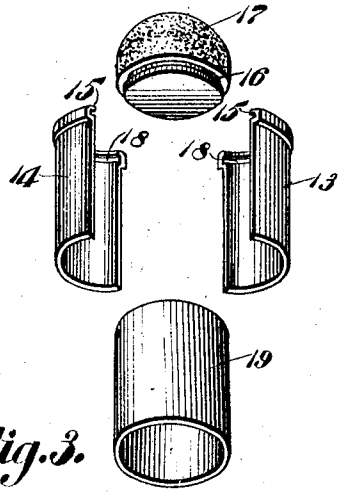


Fig. 3.

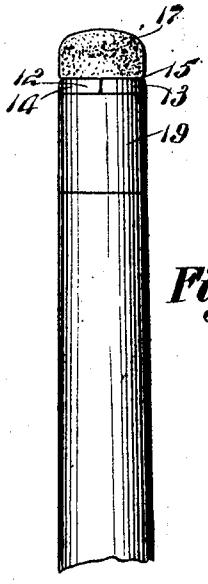
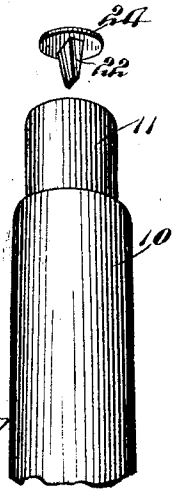


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM D. SMAIL, OF KANSAS CITY, MISSOURI.

BILLIARD-CUE TIP.

1,050,860. Specification of Letters Patent. Patented Jan. 21, 1913.

Application filed April 23, 1912. Serial No. 692,607.

To all whom it may concern:

Be it known that I, WILLIAM D. SMAIL, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Billiard-Cue Tip, of which the following is a specification.

This invention relates to an improvement in billiard cue tips.

The primary object of the invention is to provide a tip securing device which may be readily positioned on the cue and which will hold the tip against displacement.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings—Figure 1 is a vertical section, the tip and retaining means being assembled for attachment to the cue. Fig. 2 is a vertical section, showing the device attached to the cue. Fig. 3 is a perspective view of the parts disassembled, and Fig. 4 is an elevation showing the device attached to the cue.

In the drawings, 10 designates the cue which is of the usual construction, being provided with the reduced end portion 11. The tip fastener consists of the sleeve 12, which is composed of sections 13 and 14, the outer terminals of the sections being provided with flanges 15 which embrace the reduced portion 16 of the tip 17, said reduced portion extending within the groove 18 of the members. These members are held in place by a sleeve 19, the members 13 and 14 embracing the tip, the sleeve 19 being slipped over said members after the reduced portion of the tip has been inserted within the groove formed in the members. The reduced end portion of the cue is provided with the centrally disposed opening 21 which receives the wedge 22, the wedge 22 being formed integral with the disk 24, the disk 24 lying in contact with the reduced portion of the tip when the device is assembled on the cue. It will be noted that in assembling the fastener the sleeve 19 may be slipped upon the sectional tip embracing members as shown in Fig. 1, the wedge 22 resting within the opening 21 in the cue. With the parts in this position, it will be noted that the device may be forced on the cue that the wedge 22 will enter the opening 21, enlarging the same and forcing the cue in contact with the tip engaging members, thus locking the fastener on the cue.

It will be noted that in removing the fastener to replace a tip which has become worn, the tip may be cut and withdrawn from between the tip engaging members 12 and 14 and the wedge 22 removed, thus allowing the sleeve to be slipped off of the reduced extension of the cue.

The many advantages of a device of this character will be clearly apparent as it will be noted that the same provides an effective tip retaining device which may be readily attached to the cue, attention being called to the fact that the device is such as may be easily and economically manufactured.

What is claimed is:—

1. A tip fastener for billiard cues, consisting of sectional tip engaging means, a sleeve embracing said means, and means for expanding the tip receiving end of the cue to hold the tip engaging means in contact with the tip.

2. A tip fastener for billiard cues, consisting of a sectional tip engaging sleeve, the sections of said sleeve being formed with tip engaging flanges, a sleeve embracing said sectional sleeve, and a wedge arranged with the sleeve for expanding the cue, said wedge being provided with a head which contacts with the tip when the sleeves are arranged on the cue.

3. A tip fastener for billiard cues, consisting of a sectional tip retaining sleeve, a sleeve embracing said sectional sleeve, a wedge for expanding the tip receiving end of the cue to hold the sections of said sleeve in engagement with the tip.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM D. SMAIL.

Witnesses:

JEWELL C. JONES,

HAROLD DAVIS.