

A. L. BUCKLAND.
 BILLIARD CUE TIP.
 APPLICATION FILED APR. 9, 1908.

952,600.

Patented Mar. 22, 1910.

Fig. 1.

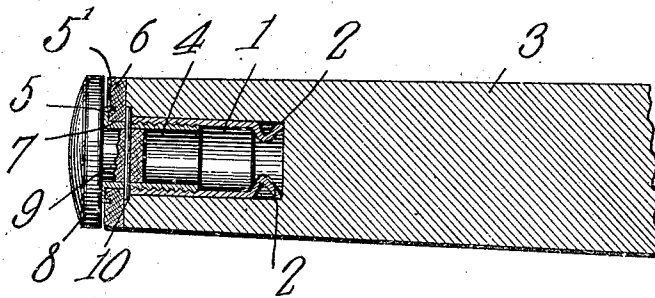


Fig. 2.

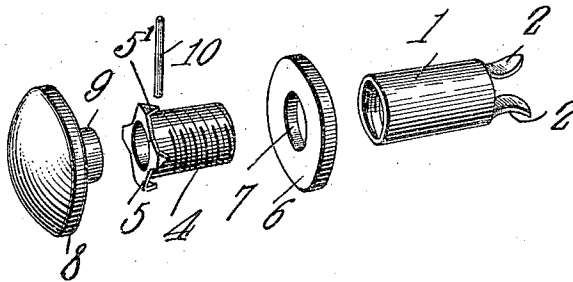
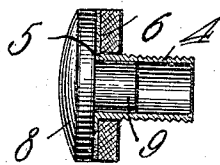


Fig. 3.



Alfred L. Buckland

Inventor

Witnesses

E. J. Clout
J. J. Donegan

By *C. A. Snow*
 Attorneys

UNITED STATES PATENT OFFICE.

ALFRED L. BUCKLAND, OF MARIETTA, MINNESOTA, ASSIGNOR OF ONE-HALF TO JOHN DONLON, OF MADISON, MINNESOTA.

BILLIARD-CUE TIP.

952,600.

Specification of Letters Patent. Patented Mar. 22, 1910.

Application filed April 9, 1908. Serial No. 426,121.

To all whom it may concern:

Be it known that I, ALFRED L. BUCKLAND, a citizen of the United States, residing at Marietta, in the county of Lac qui Parle and State of Minnesota, have invented a new and useful Billiard-Cue Tip, of which the following is a specification.

This invention has relation to cue tips, and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide an effective means for securing a tip in place upon a cue by a drawing action of the parts, and means whereby the tip may be readily removed and replaced when worn or damaged.

In the accompanying drawings:—Figure 1 is a longitudinal section of a cue end and the tip applied thereto. Fig. 2 is a perspective view of the parts of the tip disconnected. Fig. 3 is a sectional view, showing a modified form of the tip.

In the construction of the device as illustrated in Figs. 1 and 2 an outer sleeve 1 is provided at one end with spurs 2, arranged diametrically opposite each other and adapted to enter the base of a central socket formed in one end of the cue 3 and of a diameter sufficient to accommodate the sleeve 1. Thus, when the sleeve is inserted in the socket, turning is prevented by the spurs 2, which may be embedded in the cue 1. An inner sleeve 4 of an exterior diameter less than the interior diameter of the outer sleeve is exteriorly provided with a screw-thread adapted to engage a similar thread formed on the interior of the outer sleeve 1. A collar 5 formed on one end of the sleeve 4 is provided on its edge with a plurality of equally spaced tangs 5' which are adapted to enter the face of a tip base 6. The latter is preferably formed of an angular piece of leather or other suitable material of an ex-

terior diameter considerably greater than that of the collar 5, and centrally provided with an opening 7 adapted to slidably fit over the inner end of the inner sleeve 4 and abut the inner face of the collar 5. The exterior of the tip 8 is of a well known type, the base of which is of a diameter approximately equal to that of the tip base 6. The tip is provided on its inner face with a projection or shank 9, preferably formed integral with said tip and adapted to enter the inner sleeve 4, so as to bring the inner face of the tip in contact with the washer 6 and collar 5. In this position the parts are secured by a pin 10, passed through the inner sleeve and shank 9 of the tip. In the construction illustrated in Fig. 3, the pin 10 is eliminated and the inner face of the tip is secured to the base 6 by glue or cement.

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

1. The combination of a cue provided at its end with a socket, a sleeve provided with spurs adapted to be embedded in said socket, a tip, and means for fastening said tip to said sleeve.

2. The combination of a cue provided with a socket, a sleeve adapted to be secured therein, a tip base, a second sleeve fitting in the first named sleeve, and provided at one end with depending tangs to be embedded in one face of said tip base, a tip having a shank portion fitting in the second named sleeve, and a member passing through the latter and said shank, having its terminals bearing on the opposite face of said tip base.

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

ALFRED L. BUCKLAND.

Witnesses:

JOHN B. WINTERS,
W. F. ROSENWALD.