

W. M. DUNN.  
BILLIARD CUE.  
APPLICATION FILED MAR. 20, 1909.

936,614.

Patented Oct. 12, 1909.

Fig. 1.

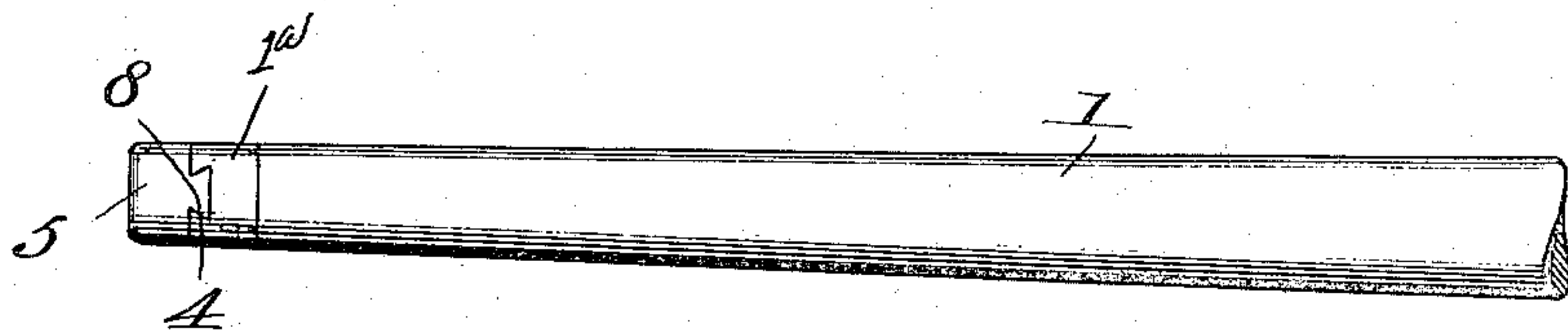


Fig. 2.

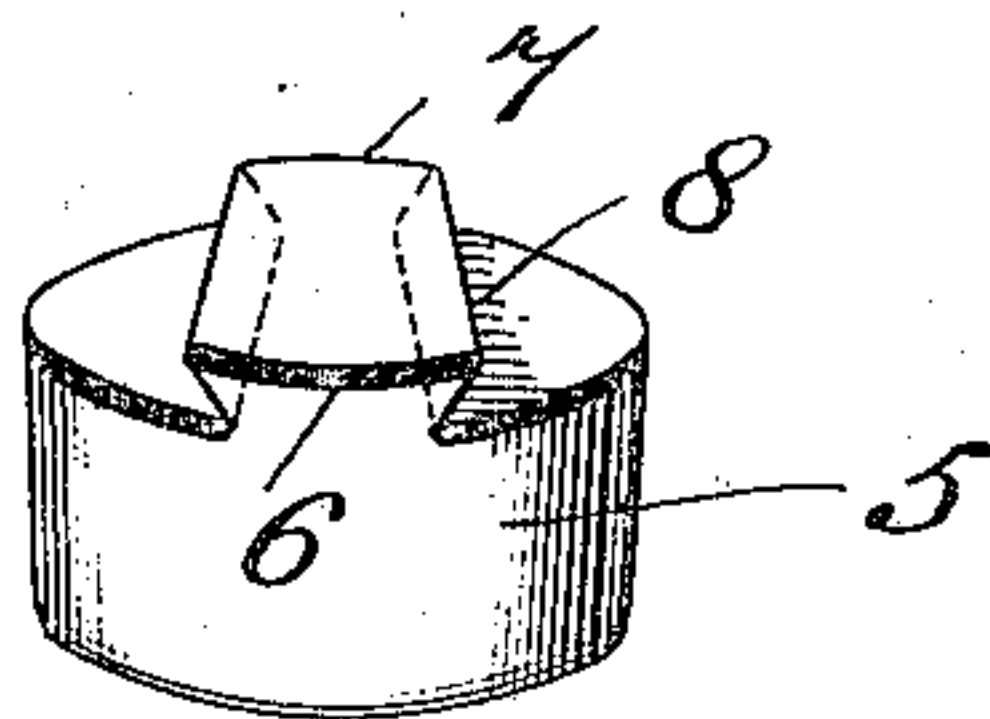
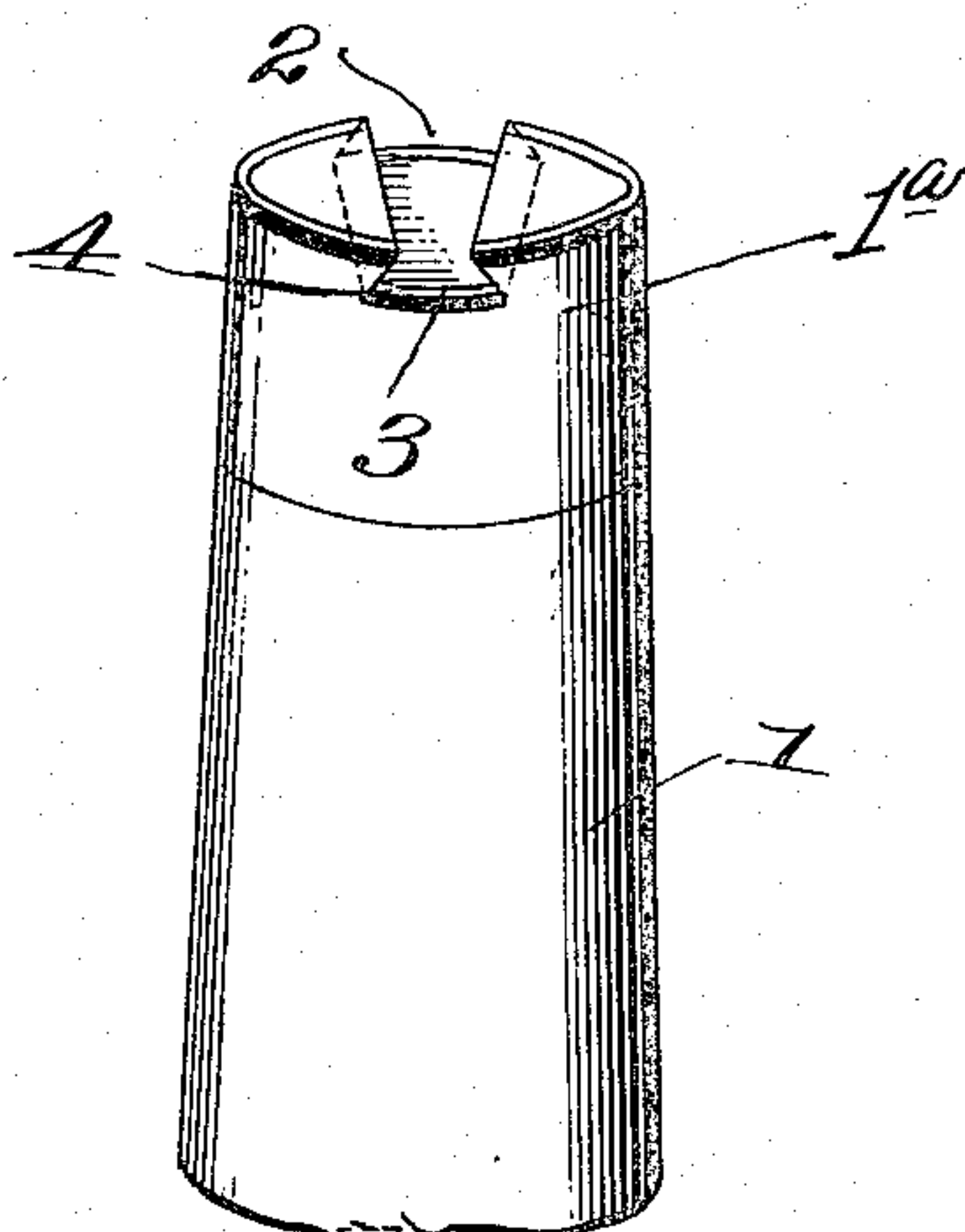


Fig. 3.



Witnesses  
Geo. H. Byrne  
H. H. Byrne

Inventor  
William M. Dunn  
by  
J. W. Matthews  
Attorney



# UNITED STATES PATENT OFFICE.

WILLIAM M. DUNN, OF ATLANTA, INDIANA.

## BILLIARD-CUE.

936,614.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed March 20, 1909. Serial No. 484,703.

*To all whom it may concern:*

Be it known that I, WILLIAM M. DUNN, a citizen of the United States, residing at Atlanta, in the county of Hamilton and State of Indiana, have invented certain new and useful Improvements in Billiard-Cues, of which the following is a specification.

My invention relates to billiard cues, more particularly to the tip therefor, and has for its object to provide a novel cue tip that may be affixed to the billiard cue proper without the use of separate securing means.

In that type of billiard cues ordinarily used the tip portion is secured to the cue proper by means of an adhesive, or the tip portion itself comprises a number of separate pieces which are held in assembled relation to the cue by a screw or other similar fastening. The disadvantages of these means for securing the tip to the cue are that in the former instance the adhesive deteriorates with the constant use of the cue and eventually becomes loosened, and in the latter case the screw or other fastening means usually becomes loose with the result that the efficiency of the cue is greatly impaired. My invention seeks to overcome these disadvantages by providing a peculiar joint whereby the tip in its entirety is effectively secured to the cue and may not become disengaged therefrom by the ordinary use of a billiard cue. With these advantages in view my invention is described in full detail in the accompanying specification, set forth in the claim, and illustrated in the accompanying drawing wherein is shown its preferred embodiment.

In the illustrations:—Figure 1 is a side elevation of a billiard cue showing my improved tip in applied position. Fig. 2 is a perspective view in detail of the tip, and Fig. 3 is a detail in perspective of the cue end.

Referring more in detail to the several figures, wherein like numerals of reference indicate corresponding parts of the different figures shown, the numeral 1 designates the stick portion of an ordinary billiard cue, and 5 the tip portion thereof. The tip portion 5 comprises a substantially single piece of such design in marginal contour as will readily enable its being applied to the cue and form therewith a neat and even appearance. That portion of the tip which is adapted to be secured to the cue proper is cut away on opposite sides, as at 8, to provide an off-standing,

tapered and dove-tailed portion, the larger and smaller ends of which are indicated by the numerals 6 and 7 respectively.

The cue 1 is provided with complementary fastening means precisely of that design just described of the tip 5, in that a dove-tailed and tapered groove is cut within the body thereof and whose larger and smaller ends are indicated by the numerals 2 and 4 respectively. The bottom 3 of said groove is perfectly even, as is also the surface of the dove-tailed head of the tip 5. The active end of the stick portion 1 is fitted with a ferrule 1<sup>a</sup> whose exposed surface meets flush with the surface of the cue proper, and said ferrule is cut away on opposite sides whereby to register with the dove-tailed groove and accommodate the head or securing means on the tip. In affixed position the tip 5 is applied to the cue 1 in a manner that will be readily obvious; and in such application no additional securing means is applied, as the union of the joint is dependent upon the frictional contact and peculiar disposition of the several surfaces of the parts. While I have shown this particular type of joint to billiard cues, I do not wish to be understood as limited to the specific details thereof, but rather reserve instead the right to make such changes therein as will better adapt the invention to its end, and in making these changes to limit myself only to the disclosures in the prior art to which this invention pertains.

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

A billiard cue comprising a stick portion having one end provided with a dove-tailed and tapering groove, a ferrule fitted on said end and having its surface meeting flush with the surface of the stick, said ferrule having cut away portions on opposite sides in register with said dove-tailed groove, and a tip member for said stick, said tip member comprising a single piece and having a dove-tailed and tapering head adapted to fit within the dove-tailed groove of the stick and be frictionally held therein.

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

WILLIAM M. DUNN.

Witnesses:

I. H. LEE,  
WALTER JONES.