

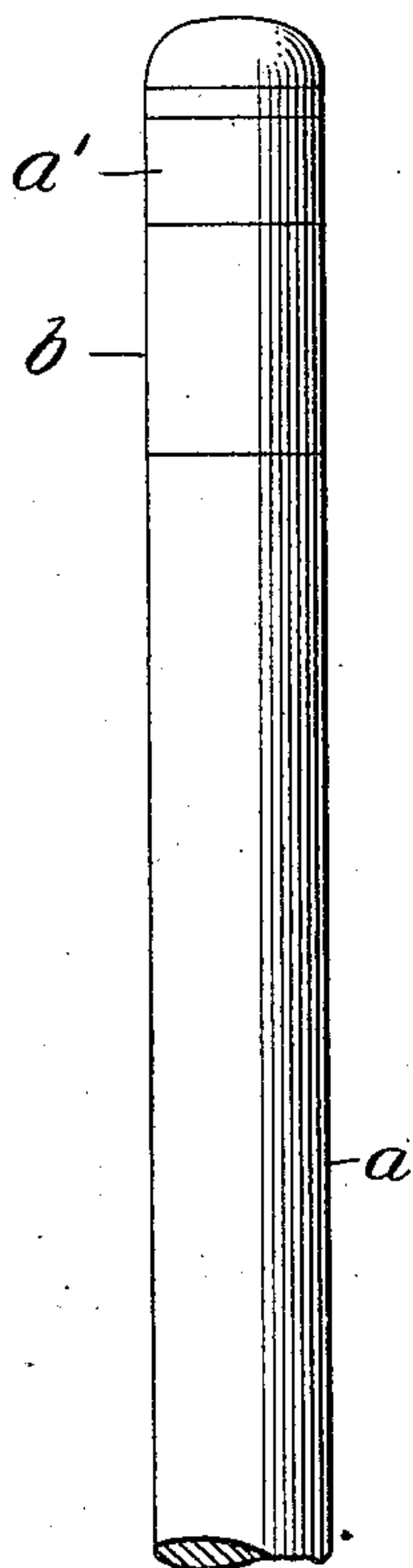
No. 860,381.

PATENTED JULY 16, 1907.

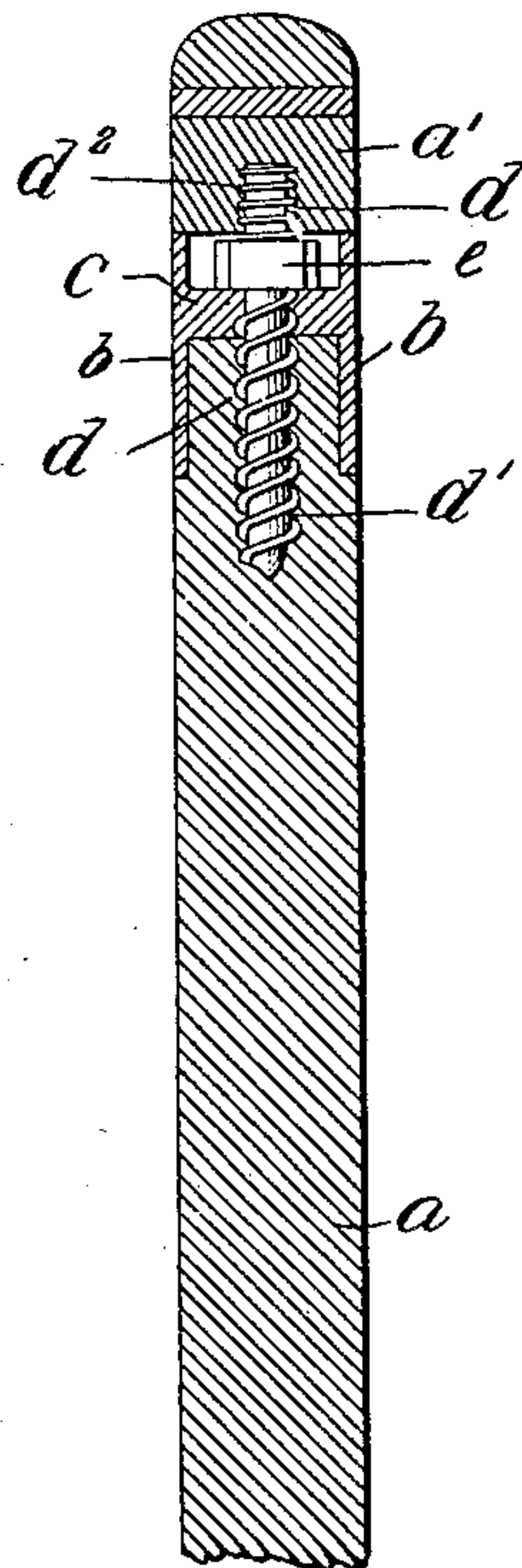
A. HOLDEN.  
CUE TIP HOLDER.

APPLICATION FILED JUNE 23, 1906.

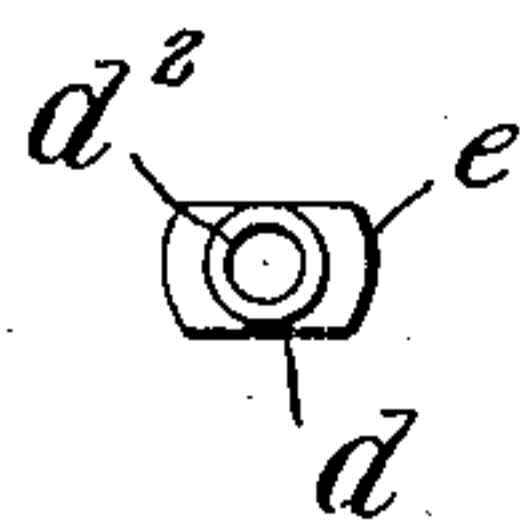
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

ANDREW HOLDEN, OF LONDON, ENGLAND.

## CUE-TIP HOLDER.

No. 860,381.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed June 23, 1906. Serial No. 323,087.

*To all whom it may concern:*

Be it known that I, ANDREW HOLDEN, of Bedford Hotel, Euston Road, London, England, have invented certain new and useful Improvements in Cue-Tip Holders, of which the following is a specification.

The present invention relates to cue tip holders and simplifies the fixing of the tips to billiard cues and does away with the use of glue or cement for securing the tip to the cue. The invention also saves the cue from being worn away by filing and sand-papering every time the cue is re-tipped. When glue or cement is used for fixing the tip to the cue the player cannot use the cue until the glue or cement hardens and he will, therefore, have to use another cue which may be detrimental to his play. This is not necessary when my invention is used, as a new tip can be screwed onto the cue in an instant, without any loss of time and without necessitating a change of cue.

The invention is shown in the accompanying drawing, in which

Figure 1 is an elevation of a part of a cue provided with my improved tip holder. Fig. 2 is a vertical section of the same, and Fig. 3 is a plan view of the double end securing screw.

The cue *a* has a reduced end on which is fitted a ferrule *b* provided with a perforated partition *c* intermediate of its ends and nearer the upper than the lower end. The ferrule is made from metal, bone or other suitable material and its outer surface is flush with the outer surface of the cue. The partition *c* rests on the upper surface of the reduced end of the cue *a*. The ferrule is secured in position by means of a double end screw *d* which has on its lower end *d'* a screw-thread for wood and on its upper end *d''* a screw-thread for metal. Intermediate of its ends the screw *d* is provided with a

square head *e* which is integral with the screw and which, when the screw is screwed home in the cue, engages the upper face of the partition *c*, through which the screw passes, and holds the ferrule in position on the cue. On the upper end of the screw, which extends beyond the upper end of the ferrule, the tip *a'* is secured by being screwed thereon so as to rest against the upper part of the ferrule *b*. When the tip is in position on the cue the double end screw is invisible and the cue presents the appearance of an ordinary billiard cue.

The ferrule *b* prevents splitting of the cue when the screw *d* is screwed into the end of the cue and the head *e* of the screw prevents displacement of the ferrule and provides for the end *d''* of the screw projecting out of the ferrule a sufficient distance for securely holding the tip to the cue.

When it is desired to re-tip the cue the tip *a'* is unscrewed from the screw end *d''* and a new tip is screwed thereon, which can be done in a very short time.

Having described my invention, what I claim as new is:

The combination with the cue having a reduced end, of a ferrule fitting the reduced end of the cue and provided with a perforated partition resting on the upper surface of the cue and spaced from the ends of the ferrule, and a double end screw passing through the perforation in the partition into the end of the cue and provided with a head intermediate of its ends and engaging the upper surface of the partition; the upper end of said screw extending beyond the upper end of the ferrule for engagement with a cue tip.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

ANDREW HOLDEN.

Witnesses:

JOHN LIDDLE,

JOHN TRAIN LIDDLE.