

(No Model.)

D. DESSAUER.

ATTACHMENT FOR HOLDING TIPS ON BILLIARD CUES.

No. 270,402.

Patented Jan. 9, 1883.

Fig. 1.

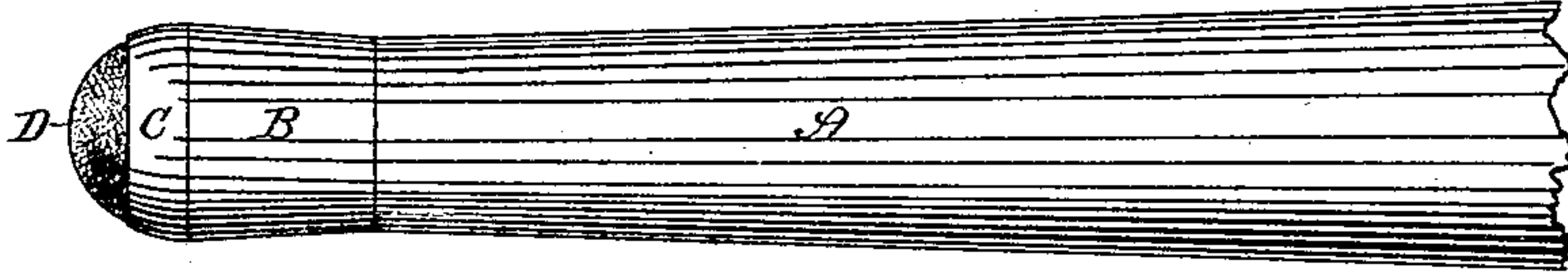


Fig. 2.

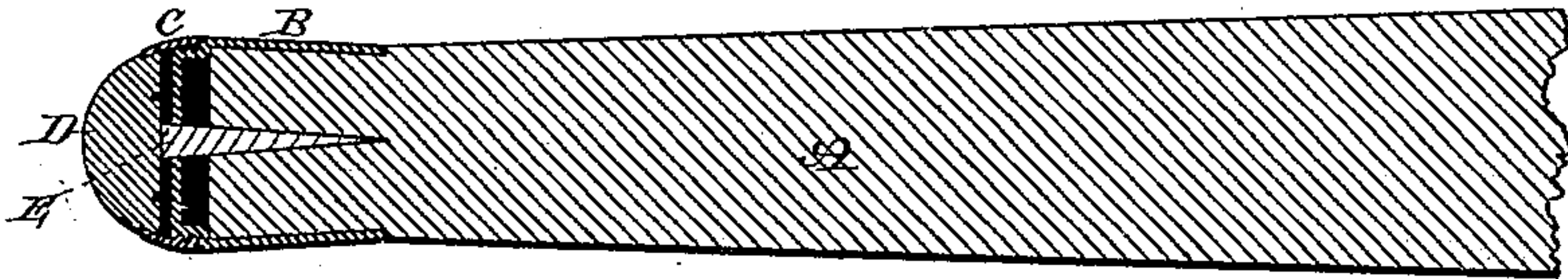


Fig. 3.

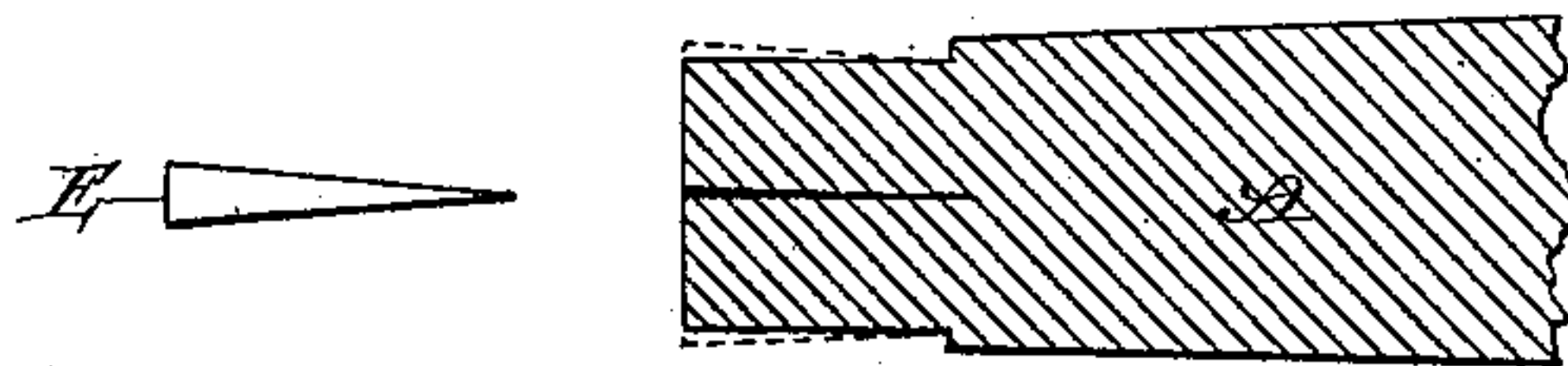


Fig. 4.

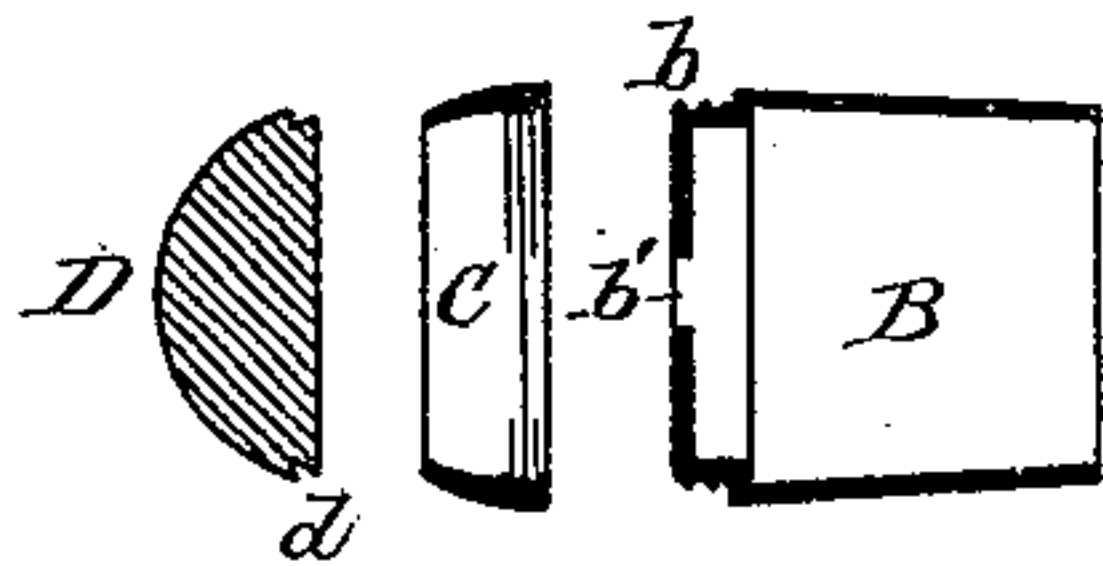
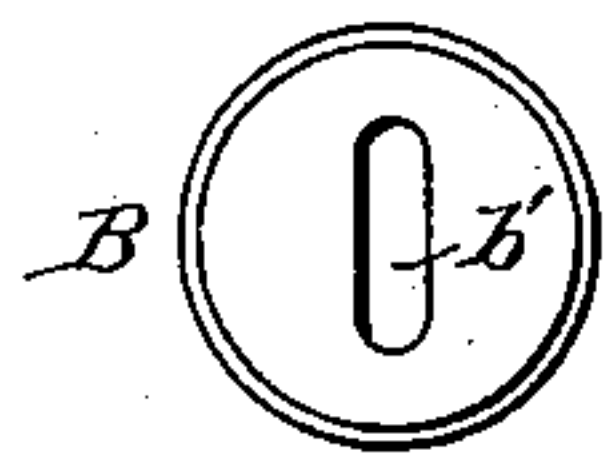


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR HOLDING TIPS ON BILLIARD-CUES.

SPECIFICATION forming part of Letters Patent No. 270,402, dated January 9, 1883.

Application filed October 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, DAVID DESSAUER, a citizen of the United States, residing at Martinsville, in the county of Morgan and State of Indiana, have invented certain new and useful Improvements in an Attachment to Hold the Tips on Billiard-Cues, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to billiard-cue tips; and it consists in the construction and arrangement of its several parts, as will be hereinafter fully set forth, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of a cue and tip; Fig. 2, a vertical section of the same; Fig. 3, a vertical section of the end of the cue; Fig. 4, detached views of the tip; and Fig. 5 is a top plan view of the thimble.

A represents a billiard cue or stock. Its tip end is formed with a shoulder from which extends a straight portion, around which is placed the tip-thimble, as shown. This straight portion is split across its center for the admission into the end of the cue of a wedge, E.

B is a metal thimble, the sides of which converge toward the lower end, it being of sufficient diameter to fit neatly over and to slip down the straight portion of the cue against the shoulder. Around the upper portion of the thimble is formed a shoulder, from which projects a short threaded portion, *b*, having a slot, *b'*, cut in its top corresponding to the slit in the cue.

C is the tip-ferrule. Its lower portion is threaded and screws over the threaded portion of the thimble. Its upper portion is made converging, so as to embrace closely the sides of the leather.

D is the leather tip, around the lower edge of which is formed a groove, *d*, which receives the ferrule C. The leather is of the usual shape, being smoothed and rounded, so as to impart the desired motion when brought in contact with the ball.

My tip may be used upon cues of ordinary manufacture by cutting the ends straight and splitting them, as shown; but I prefer, in order that the full benefits be derived, that a cue made after the one shown in the drawings be used.

In order to place my tip upon a cue, the thim-

ble and ferrule are separated. The thimble is then placed over the end of the cue and pushed down tightly against the shoulder. A wedge, E, is then inserted through the slot *b'* into the split in the cue, and is driven in until the end of the cue is tightly expanded against the sides of the thimble. It will be seen that the thimble will remain securely upon the end of the cue until the wedge is removed. The leather tip D is then inserted into the bottom of the ferrule and is pushed through it until the upper edges are settled in the groove *d*, as shown. The tip will then be held firmly in place. The ferrule is then screwed to the thimble, and the cue is ready for use. It will be seen that the wedge is cut so that the bottom of the leather cue rests upon its top, as shown in Fig. 2. The object of this is to prevent the shocks from displacing the leather tip after long usage. It further operates to keep the wedge firmly driven into the split, so that the thimble will not work loose and rattle on the cue. In order to remove the tip, the ferrule is unscrewed, the wedge withdrawn, and the thimble pulled from the cue.

What I claim is—

1. A billiard-cue tip consisting of a thimble formed with converging sides, a threaded straight upper portion, in the top of which is an elongated slot, of a ferrule which screws on the thimble, and of a leather tip fitting within and projecting from the ferrule, all adapted to be placed upon the end of a billiard-cue, substantially as shown and described.

2. The combination in a billiard-cue having its end split centrally, a shoulder formed and a straight portion projecting therefrom, of a thimble having converging sides, a threaded projection extending from its upper end, in the top of which is an elongated slot, a ferrule adapted to screw onto the threaded portion, a leather tip adapted to fit into the ferrule, and a wedge adapted to enter the slot in the thimble and split in the cue, and to expand the sides thereof firmly against the said thimble, also to serve as a cushion for the leather tip, substantially as shown and described.

3. The combination in a billiard-cue having its end split centrally, a shoulder formed and a straight portion projecting therefrom, of a thimble having converging sides, a threaded

projection extending from its upper end, in the
top of which is an elongated slot, a ferrule
adapted to screw onto the threaded portion, a
leather tip adapted to fit into the ferrule, and a
5 wedge adapted to enter the slot in the thimble
and split in the cue, and to expand the sides
thereof firmly against the said thimble, sub-
stantially as shown and described.

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

DAVID DESSAUER.

Witnesses:

C. G. RENNER,
FRANK LUNDY.