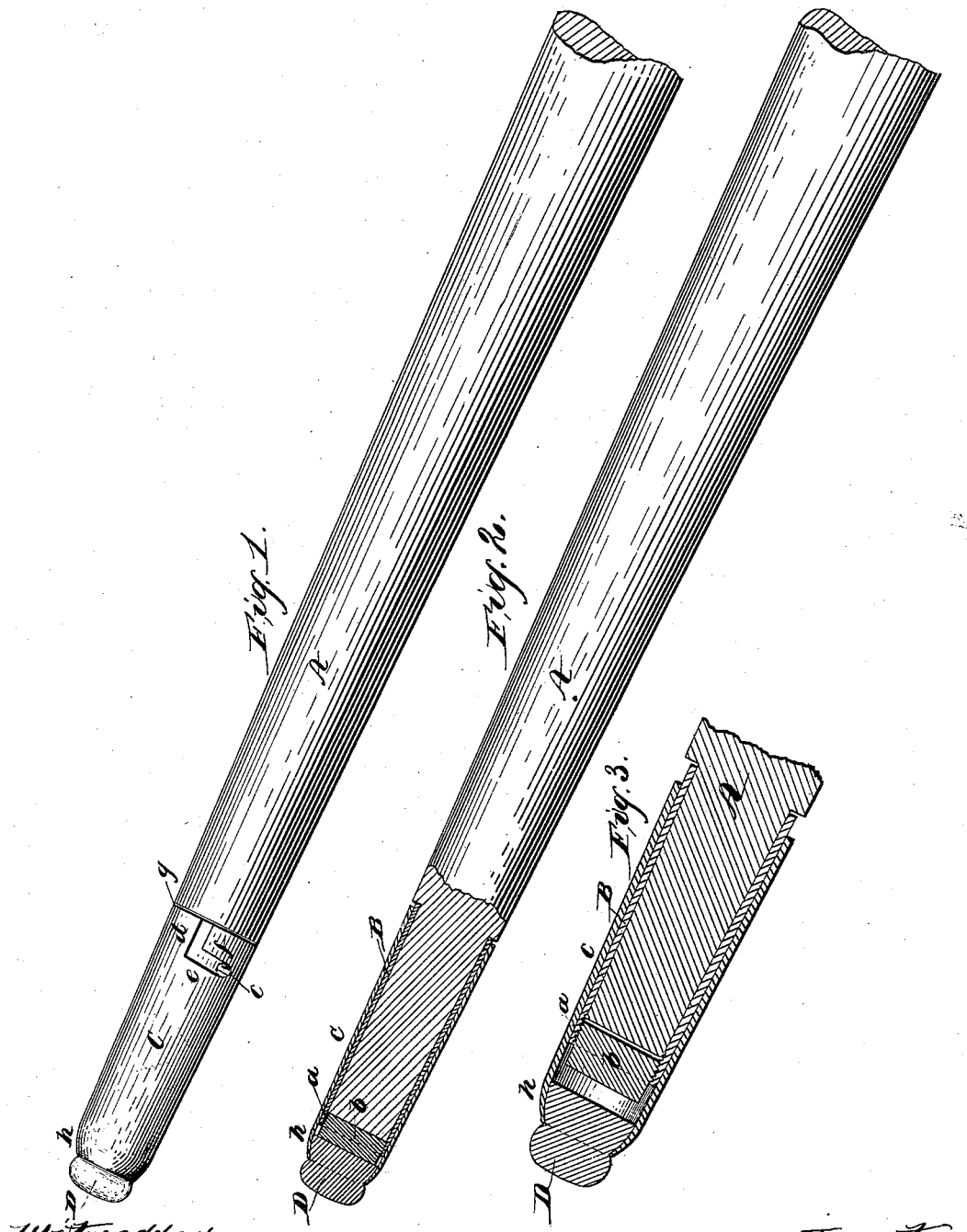
(No Model.)

W. H. FESLER.

BILLIARD CUE.

No. 384,614. Patented June 19, 1888.



Witnesses

Inventor.

Wm. H. Fesler.

By Johnston, Reinhold & Dyer
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UNITED STATES PATENT OFFICE.

WILLIAM H. FESLER, OF COLUMBIANA, OHIO.

BILLIARD-CUE.

SPECIFICATION forming part of Letters Patent No. 384,614, dated June 19, 1888.

Application filed February 20, 1888. Serial No. 264,544. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. FESLER, a citizen of the United States, residing at Columbiana, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Billiard-Cues; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to billiard-cues, and has for its object an improved construction which will render the front end of the cue more elastic when a ball is struck than under the present form of cues.

The invention will be hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a side view; Fig. 2, a similar view, partly in section; and Fig. 3 is an enlarged sectional detail.

Reference being had to the drawings and the letters marked thereon, A indicates a billiard-cue, on the small end of which is a metallic ferrule, B, the outer end of which is provided with an internal screw-thread, *a*, to secure a rubber cushion, *b*, and is secured to the cue by a pin, *c*, or in any other suitable manner. The cushion *b* projects beyond the end of the ferrule B, as shown in Figs. 2 and 3.

C is an outer sleeve, which fits loosely over the ferrule B, and is provided at its inner end with a vertical slot, *d*, and a horizontal slot, *e*, the outer wall, *f*, of which is slightly inclined to draw the sleeve down on the ferrule and cause the inner surface of the leather tip D to bear upon and slightly compress the rubber cushion *b* when the sleeve is turned upon the ferrule and the pin *c* brought to bear upon the inclined wall *f* of the slot *e*. By this means the flexible tip D bears upon the elastic cushion *b*. the blow upon a ball is effectually cushioned, and the noise incident to the blow deadened, so that it becomes almost imperceptible to bystanders, and at the same time the ball receives impetus from the resiliency of the cushion.

The pin *c* is smaller in diameter than the width of the slot *e*, and a little space is formed on the cue by a rabbet, *g*, to allow slight movement of the sleeve C upon the ferrule.

The outer end of the sleeve is contracted circumferentially to grasp and hold the leather tip D, which is inserted at the opposite end of the sleeve and forced through it until the tip is encircled by the contracted end of the sleeve and securely held in working position. This end of the sleeve is also curved at *h* to avoid cutting the cloth cover.

Having thus fully described my invention, what I claim is—

1. A billiard-cue having a ferrule provided with a protruding elastic cushion at its outer end, in combination with a surrounding sleeve having a flexible tip in its outer end, the sleeve being secured upon the ferrule to produce contact or tension of the cushion upon the tip, substantially as described.

2. A billiard-cue having a ferrule, an elastic cushion in the outer end of the ferrule, and a pin projecting through its wall, in combination with a sleeve rounded at its outer end and supporting a flexible tip, and having slots in its wall for engagement with said pin, substantially as described.

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

WILLIAM H. FESLER.

Witnesses:
JOHN G. BEATTY,
JAMES J. FELZER.