

No. 694,423.

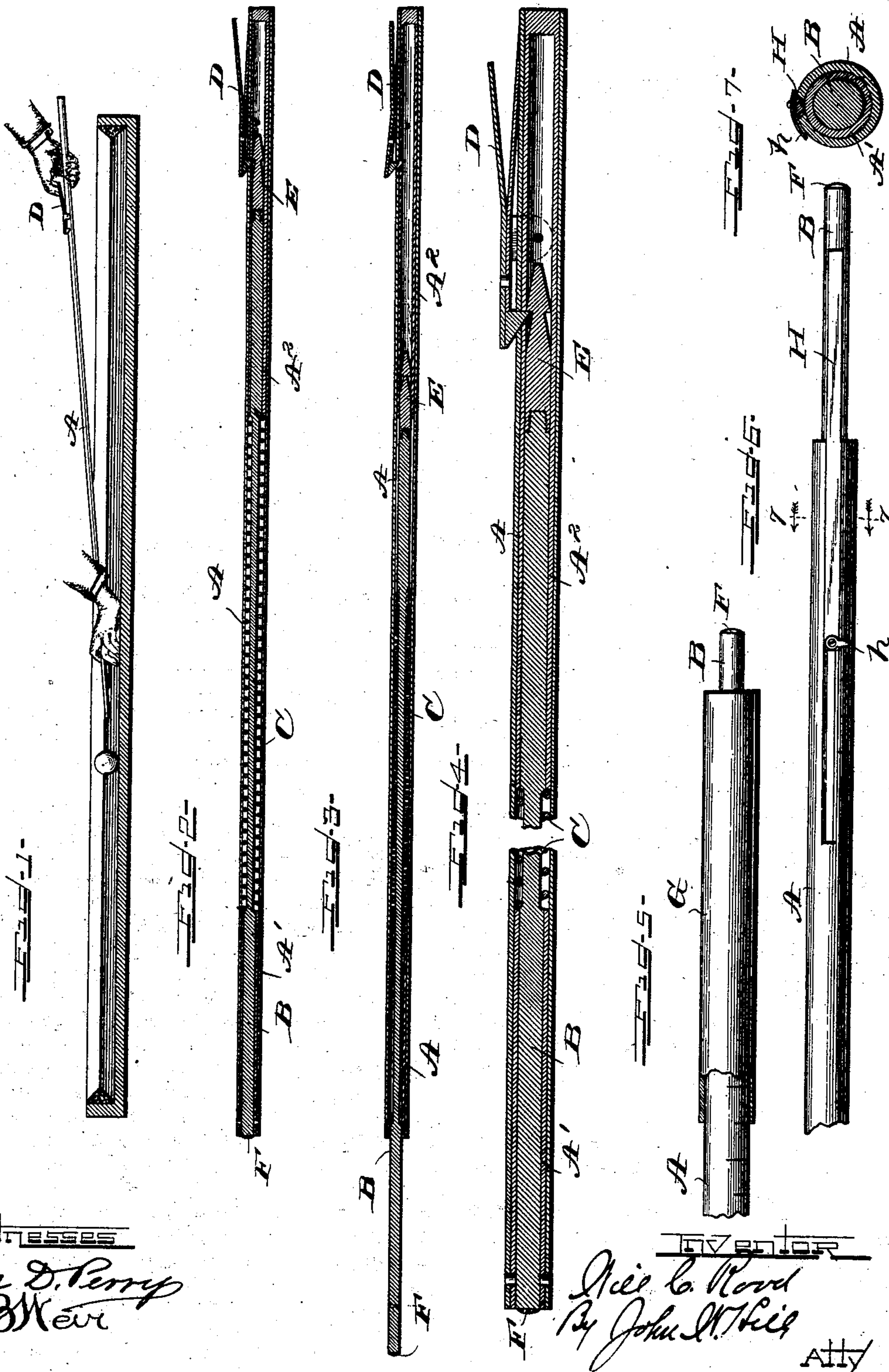
Patented Mar. 4, 1902.

W. C. ROOD.

BILLIARD CUE.

(Application filed Apr. 11, 1900.)

(No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

WILL C. ROOD, OF CHICAGO, ILLINOIS.

BILLIARD-CUE.

SPECIFICATION forming part of Letters Patent No. 694,423, dated March 4, 1902.

Application filed April 11, 1900. Serial No. 12,417. (No model.)

To all whom it may concern:

Be it known that I, WILL C. ROOD, a citizen of the United States of America, residing at Chicago, in the county of Cook, in the State of Illinois, have invented a certain new and useful Improvement in Billiard-Cues and the Like, of which the following is a description.

Referring to the accompanying drawings, wherein like reference-letters indicate like or corresponding parts, Figure 1 is a perspective view showing my improved cue and the method of using the same. Fig. 2 is a longitudinal section of my improved cue, showing the parts in position for making a shot. Fig. 3 is a similar section in full lines, showing the cue in its extended position at the moment of completing a shot and in dot-lines showing the position of the parts in their normal condition after a shot. Fig. 4 is a similar section showing an enlarged detail view. Fig. 5 is a view of the free end of my cue, showing the preferred means for gaging the effect of the blow in using the cue. Fig. 6 is a similar view showing a modification of the same, and Fig. 7 is a transverse section in line 7 7 of Fig. 6.

The object of my invention is to produce a simple and effective instrument for use as a billiard-cue or for use in playing any game in which an object is propelled—for example, such games as billiards, pool, Klondike, crokinole, and the like.

To this end my invention consists in the novel construction, arrangement, and combination of parts herein shown and described, and more particularly pointed out in the claims.

In the drawings, A represents the handle or body, in the form of an outer tube or case of any preferred form, size, or material, provided with a cue B, telescoping therein.

C is a spring arranged within the tube A to project the cue B. Any preferred manner of arranging the parts to accomplish this object may be employed.

D is a latch or trigger adapted to engage with the end of the cue B to retain the same in position within the tube, and is constructed and arranged to be easily disengaged therefrom to release the cue when the instrument is in position for use. Any preferred form of latch or trigger may be employed for this purpose.

In the preferred form the instrument is provided with a sleeve A' or its equivalent closely fitting within the tube A near the free end thereof and secured thereto and with a sleeve A² similarly arranged in the latch end of the cue. The cue near its ends is of a size and form adapted to closely fit within the sleeves and be accurately guided thereby. The middle portion of the cue B is reduced to receive the spring C, which is positioned in the chamber between the proximate ends of the sleeves A' and A². In the preferred form described the latch end of the spring is secured to the cue B in any preferred manner, while the other end is secured to the sleeve A'. It is obvious, however, that the arrangement of the spring may be modified as desired. The spring is "spread" to any desired extent for a purpose which will be hereinafter described.

Upon the latch end of the cue proper is secured a catch E of any preferred form, adapted to cooperate with the latch or trigger D. This catch may be secured upon the end of the cue in any preferred manner. As shown in the drawings, this is accomplished by means of a screw-threaded engagement.

F is a cue-tip.

The mode of operation of my improved device as thus described is as follows: The cue is retracted or telescoped within the inclosing tube or case A until the catch E engages with the latch or trigger D, as shown in Fig. 2. The operator places the cue in position for the shot, as shown in Fig. 1, and releases the cue from the latch by operating the latter. The cue is projected or forced outward to the limit permitted by the arrangement of the parts striking and propelling the movable object aimed at. By reason of the spread of the spring before referred to (by which is meant an extension of the spring permitting a normal space between the several rings of the same) immediately upon reaching the limit of its movement the cue is quickly withdrawn to a normal position based upon the spread of the spring, as shown in dot-lines in Fig. 3. This is an important feature in my invention, particularly when the instrument is used upon balls, as in playing billiards or pool, as will be readily understood by those familiar with the art.

As a means of gaging the shot or the effect of the blow, I employ a movable gage, pref-

erably arranged upon the free end of the instrument. As shown in Fig. 5, this movable gage consists of a sliding sleeve G, arranged upon the end of the tube A to lengthen the same to any desired point, as shown.

The tube A may be graduated in a manner permitting accurate calculation of the effect of the blow by thus lengthening the cue and shortening the length of the stroke as applied to the movable object. In Fig. 6 a sliding rod or bar H, seated in the tube A, performs a similar function, a marker *h* permitting similar calculation.

Having thus described my improvement, it is obvious various immaterial modifications may be made without departing from the spirit of my invention. Hence I do not wish to be understood as limiting myself to the exact form and construction shown.

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

1. A billiard-cue or the like, comprising a support, a cue relatively movable thereon, a spring, and a latch or trigger, in combination with a movable sleeve arranged upon the free end of the support and adapted to regulate the effect of the blow of the cue, substantially as described.

2. A billiard-cue or the like comprising a tube or pipe A, a sleeve A' within said tube at one end, a sleeve A'' within said tube at the other end, a cue B sliding in said sleeves, a projecting spring for said cue within said tube between said sleeves, and coiled around a portion of the cue and a latch for holding said cue retracted, substantially as described.

3. A billiard-cue or the like, comprising a tube or pipe A, a sleeve A' within said tube at one end, a sleeve A'' within said tube, at the other end, a cue B sliding in said sleeves, a projecting spring coiled around a portion of said cue within said tube between said sleeves

and secured at its rear end to the cue and at its forward end to the sleeve A', and a latch for holding said cue retracted, substantially as described.

4. A billiard-cue or the like, comprising a tube or pipe A, provided with the sleeves A' A'' and a latch or trigger, in combination with a cue B provided with a part adapted to engage with said latch or trigger, a spring C secured at the forward end to the sleeve A' and at the other to the cue, said spring being "spread" to cause a partial recoil or return of the cue after striking a movable object, substantially as described.

5. A billiard-cue or the like, comprising a tube or pipe A provided with separated sleeves A' A'' reducing the internal diameter of the tube, and a latch or trigger, a telescoping cue B adapted to closely fit and be guided within the sleeves and provided with a part adapted to engage with the latch or trigger, a spring arranged between the sleeves within the tube and adapted to project the cue, and a movable gage adapted to regulate the effect of the blow of the cue, substantially as described.

6. A billiard-cue, comprising a tube or pipe, a cue sliding within the same, a spring for projecting the cue, secured at one end to the tube and at the other end to the cue, said spring being spread to cause a partial recoil of the cue, substantially as described.

7. A billiard-cue or the like, comprising a handle provided with guiding means for a cue and a spring-chamber, a cue sliding in said guiding means, and a latch for holding said cue retracted, in combination with means within the spring-chamber for resiliently projecting the cue and instantly retracting the same partially, substantially as described.

WILL C. ROOD.

Witnesses:

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