J. J. TEAGUE.

SPRING BILLIARD AND POOL CUE.

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1,157,909. Patented Oct. 26, 1915.

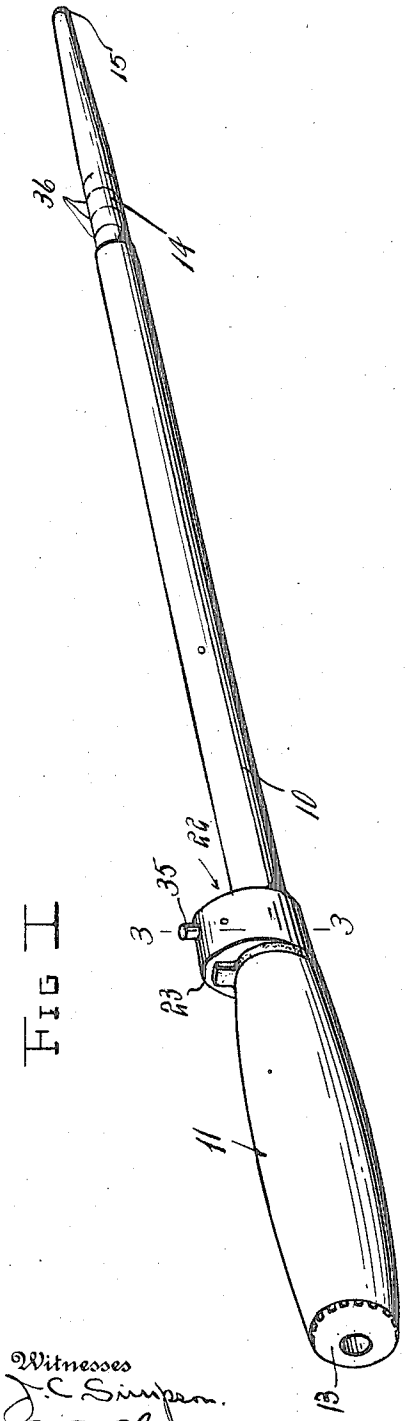


FIG. 1

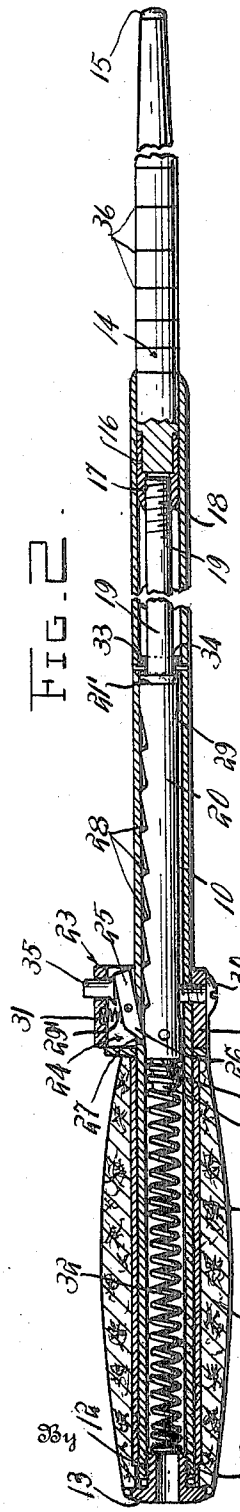


FIG. 2

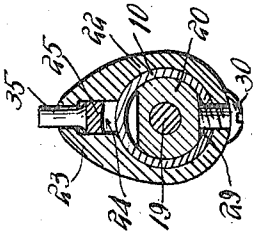


FIG. 3

Witnesses

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UNITED STATES PATENT OFFICE.

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SPRING BILLIARD AND POOL CUE.

1,157,909. Specification of Letters Patent. Patented Oct. 26, 1915.

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To all whom it may concern:

Be it known that I, JAMES J. TEAGUE, a citizen of the United States, residing at Holbrook, in the county of Navajo, State of Arizona, have invented certain new and useful Improvements in Spring Billiard and Pool 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.

This invention relates to improvements in billiard cues, and more particularly to a cue in which spring actuated means are employed for impelling the stroke thereof, simple and novel means being embodied whereby the length and intensity of said stroke may be conveniently regulated.

With the above and other objects in view, the invention consists in certain other combinations and arrangements of parts as will be hereinafter more fully described, claimed and illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of a cue constructed in accordance with the invention, Fig. 2 is a longitudinal sectional view therethrough and Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 1.

Referring now more particularly to the drawing, the device comprises a tubular stock or handle member 10 having arranged on the rear end thereof a suitable hand grip 11, and being further interiorly threaded as at 12 to receive a cap screw 13 for the purpose of closing said end.

Slidably arranged in the stock 10 and projecting outwardly therefrom at its forward end is an extension rod or cue proper 14 having the usual tip 15 on the front end thereof. Fixed on the inner extremity of the rod 14 is a ferrule 16, which is provided with a threaded bore 17 for receiving the threaded end 18 of a plunger 19 on which is fixedly secured a sleeve 20, the ends of said sleeve resulting in shoulders 21 and 21′ for the purpose to presently appear. Engaged on the stock 10 is a sleeve 22, the periphery of which is thickened as at 23 and provided with a longitudinal channel 24. Pivotally mounted in this channel is a dog 25, the forward end of which terminates in a latching finger 26 adapted to project through an opening 27 in the stock and engage in a series of ratchet teeth 28 cut in the face of the sleeve 20. The sleeve 20 is further provided diametrically opposite the teeth 28 with a flattened face 29, the set screw 30, whereby the sleeve 20 is secured in position, being adapted to engage said face and prevent rotation of the plunger 19 and sleeve 20 within the stock. For normally retaining the dog in engagement with the teeth 28, there is provided a coil spring 29′, the same being seated within a recess 31 formed in the base of the channel 24 and engaging the upper face of said dog.

Arranged within the stock between the cap screw 13 and shoulder 21 of the sleeve 20 is an expansion spring 32 which normally urges the plunger 19 forward to retain the cue rod 14 in its extended position. There is also disposed in the stock 10 a disk 33 having an opening 34 therethrough through which the plunger 19 is slidably engaged, said disk forming a stop for engagement by the shoulder 21′ of the sleeve 20 to limit forward movement of the rod 14.

In operation the rod 14 is pressed inwardly against the tension of the spring 32 with the dog 25 engaging in one of the ratchet teeth 28, thereby setting the device preparatory to delivering a stroke. To release the dog 25 there is provided a press button 35 which is mounted in the sleeve 22 and engages the inner end of said dog, pressure on said button lifting the dog out of latching relation with the teeth and thus causing the rod to be impelled forward by the action of the expansion spring 32.

It may further be added that the rod 14 is provided with a series of graduations 36 extending transversely therearound, said graduations being adapted to register successively with the forward end of the stock 10 as the dog 25 is brought into engagement with successive teeth 28 in the sleeve 20. It is thus apparent that the length and intensity of stroke of the rod 14 may be conveniently and accurately determined.

What is claimed is:

A billiard cue comprising a tubular stock, one end of which is closed, a plunger slidable in said stock, a cue rod engaging one end of said plunger and projecting outwardly from the stock, a sleeve fixed on said plunger and having teeth cut therein, said sleeve being formed with a flattened surface, an expansion spring seated within said

stock between the closed end thereof and said sleeve, a second sleeve removably engaged on said stock, a spring-pressed latch carried by the last-named sleeve and engageable with said ratchet teeth, means for releasing said latch and means for securing said last-named sleeve to the stock, said means engaging the flattened surface of the first-named sleeve to secure same against rotation and secure the plunger within the stock.

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

JAMES J. TEAGUE.

Witnesses:
JNO. LECHNER,
GERTRUDE M. TEAGUE.