

C. V. NORMAN & G. PETERSON.  
CHALK HOLDER.

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939,156.

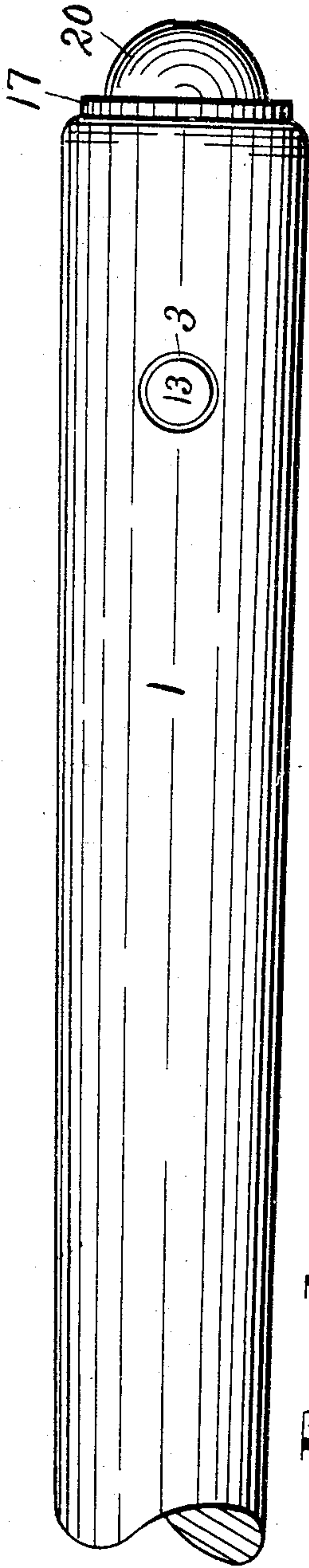


FIG. 1.

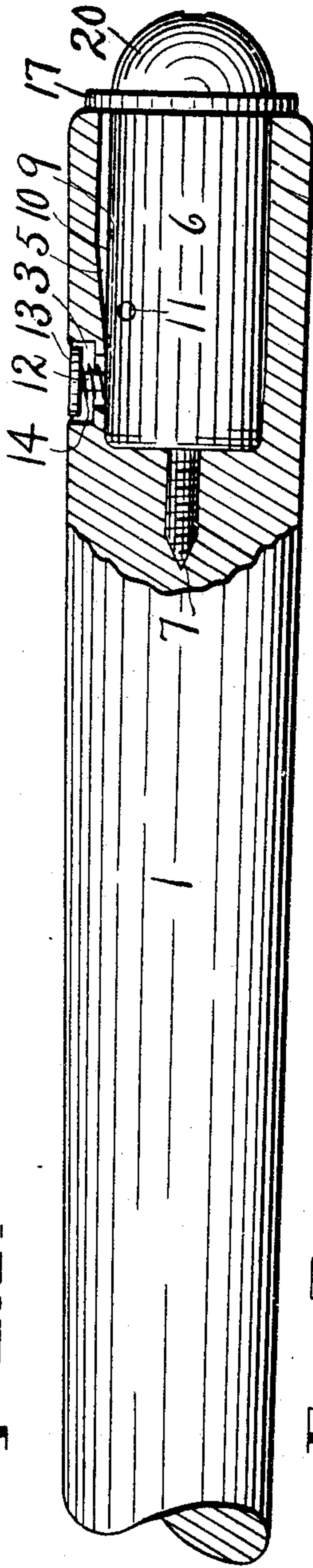


FIG. 2.

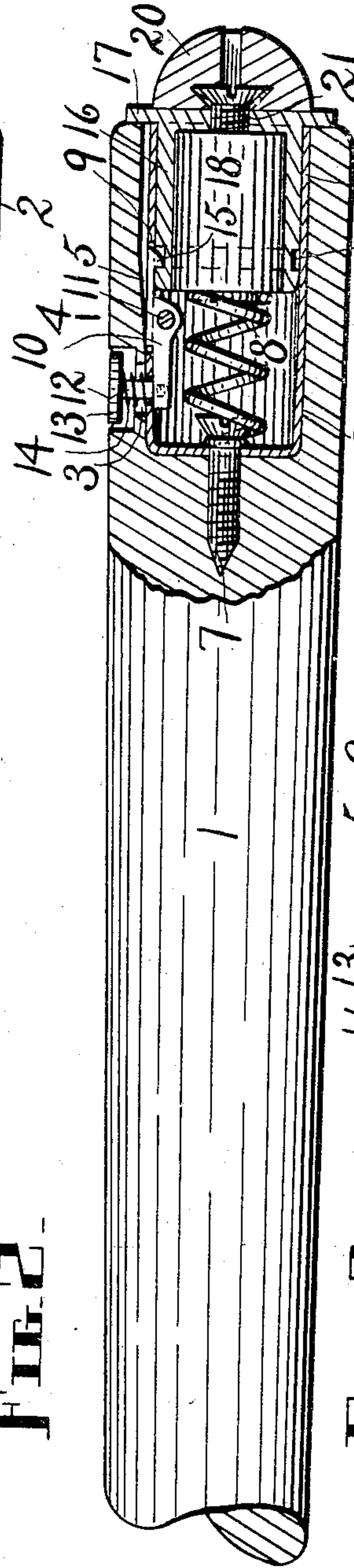


FIG. 3.

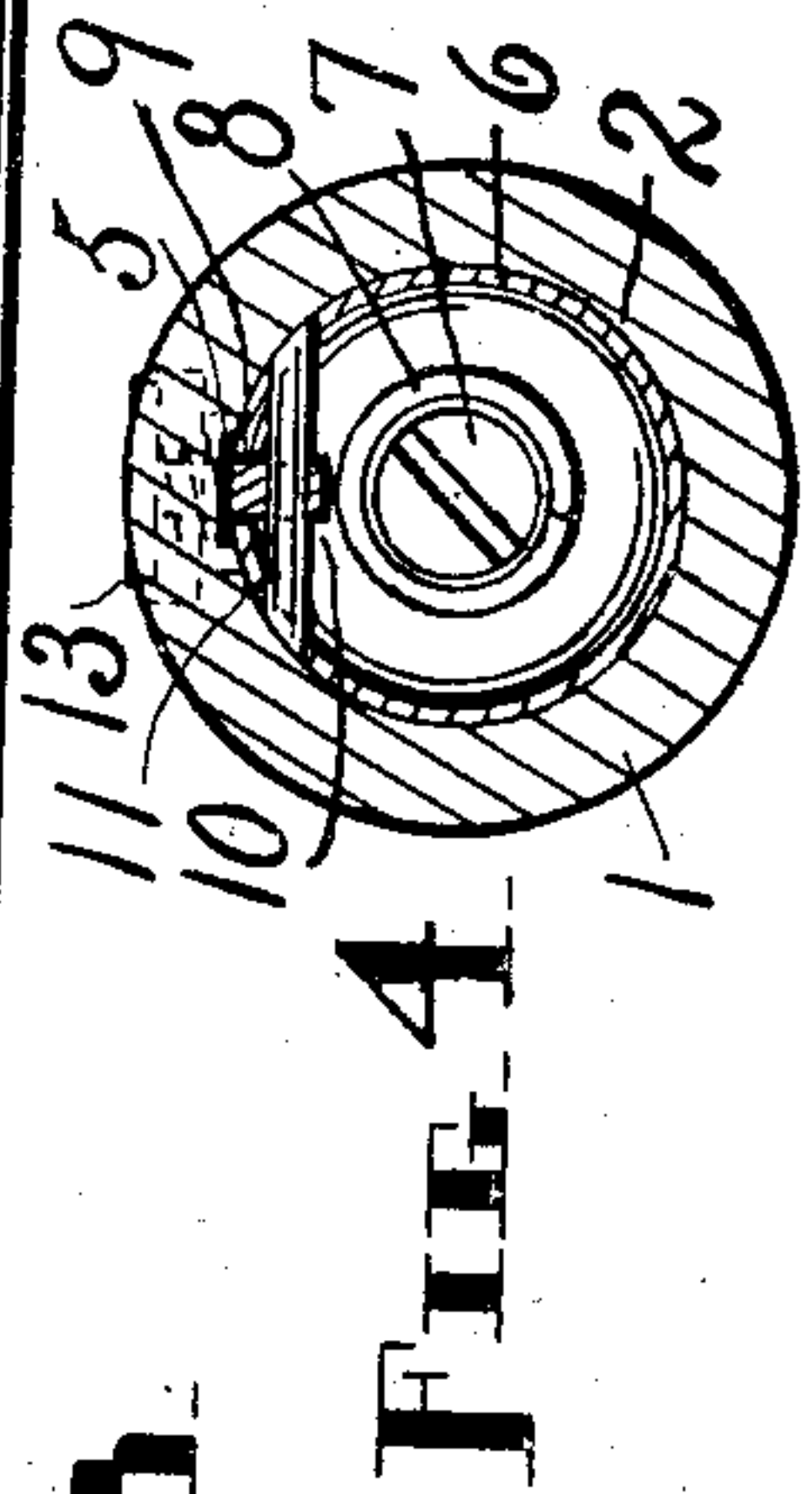


FIG. 4.

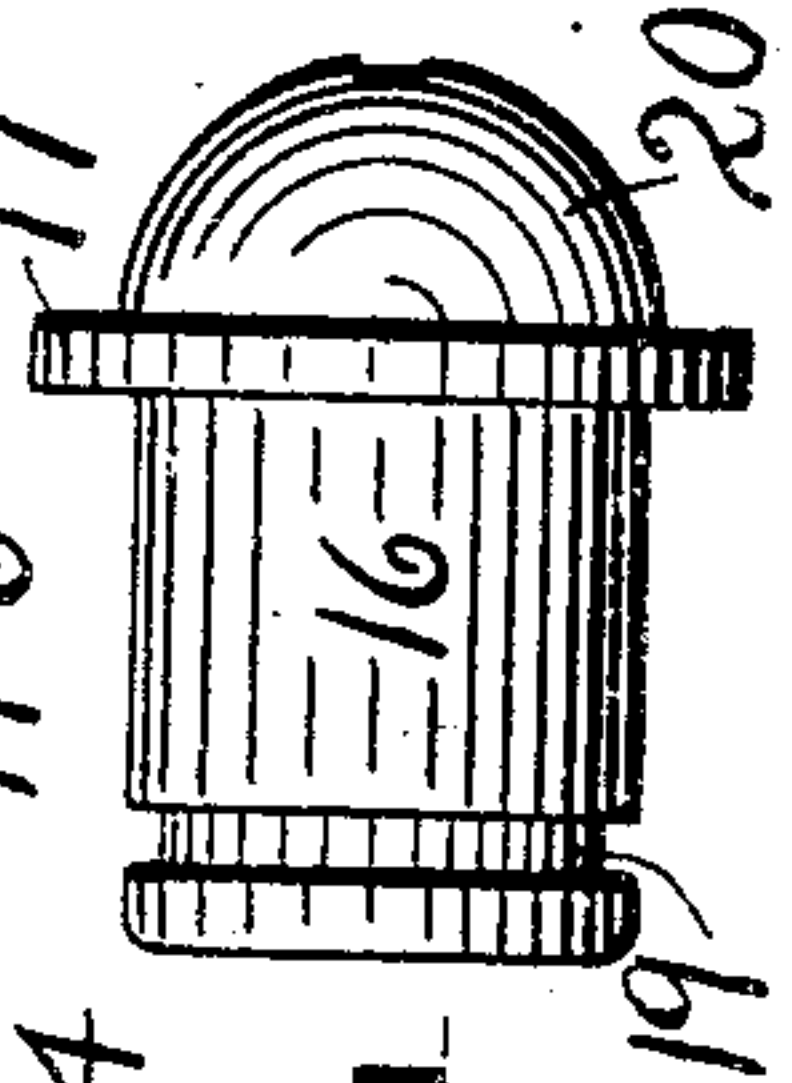


FIG. 5.

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# UNITED STATES PATENT OFFICE.

CARL VICTOR NORMAN AND GUSTAVUS PETERSON, OF SPRINGFIELD, MASSACHUSETTS.

## CHALK-HOLDER.

939,156.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed April 16, 1909. Serial No. 490,333.

*To all whom it may concern:*

Be it known that we, CARL VICTOR NORMAN and GUSTAVUS PETERSON, both citizens of the United States of America, and residents of Springfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Chalk-Holder, of which the following is a specification.

Our invention relates to improvements in devices designed to be attached to billard and pool cues for holding chalk, and comprises a latch-provided receptacle adapted to be secured within the butt end of a cue and having a resilient member therein, and a cap for the chalk which cap is capable of being retained in said receptacle by the latch and of being released from the latter and ejected by said resilient member, all as hereinafter set forth.

The objects of our invention are, first, to produce a simple, durable, and comparatively inexpensive chalk-holding attachment for cues, which is not only practicable, efficient, convenient, and compact, but prevents soiling the fingers with the chalk, something which heretofore it has not been easy to avoid; second, to provide such a device which can very readily be attached to the butt of any ordinary cue, and, third, to furnish a cue equipped with this holder with a cushion at the butt end, if desired. We attain these objects by the means illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a portion of a cue having our chalk-holder incorporated therewith; Fig. 2, a side elevation of said cue turned a quarter of the way around from the position shown in the preceding view and with a portion broken away so as to disclose a complete side elevation of said holder; Fig. 3, a view similar to that shown in Fig. 2 excepting that the holder is here in longitudinal section; Fig. 4, a cross-section on lines 4—4, looking in the direction of the arrow, Fig. 3, and, Fig. 5, a side elevation of the cap detached.

Similar figures refer to similar parts throughout the several views.

In the drawings we represent at 1 part of a cue which includes its enlarged butt end. The cue 1 has an annular chamber 2 therein

which opens through the butt end of said cue, also through one side of the cue at 3. There is a longitudinal offset 5 in one side of the chamber 2 in line with the opening 3 but not extending thereto.

One of the members of the chalk-holder is a tubular receptacle 6, closed at its inner end and open at its outer end, which is adapted to fit in the chamber 2 where it is securely fastened by means of a screw 7 that passes through the inner end of said receptacle into the cue 1. An ejector spring 8 is supported in the center of the receptacle 6 by means of the screw 7, the inner terminal of said spring being firmly held between the adjacent end of said receptacle and the head of said screw.

There is a slot 9 in one side of the receptacle 6 which coincides with the offset or groove 5 in the cue 1, both said slot and said groove being for the accommodation of the outer, hooked terminal of a latch 10. The latch 10 is pivoted at 11 to the receptacle, and the inner terminal of said latch is wholly inside of said receptacle. A stud 12 extends into the opening 3 from the aforesaid inner terminal of the latch, after passing through a suitable opening therefor in the side of the receptacle, and has a push-button 13 on its outer end, which button is also in said opening 3. A spring 14 is interposed between the outside of the receptacle 6 and the inner surface of the push-button 13, in the opening 3, to tension said button outward and normally retain the latch 10 with its inner terminal against the adjacent wall of said receptacle on the inside so that a hook 15 at the outer end of said latch protrudes from the slot 9 into the interior of the receptacle.

A tubular cap 16, which constitutes the chalk-holder proper, is provided. This cap is of such size that it will slide freely in and out of the outer end of the receptacle 6, and there is an external flange 17 at the outer end of such cap to contact with the aforesaid outer end of said receptacle when said cap is in place. The inner end of the cap 16 is open and the outer end closed. The chalk is of a size that necessitates using some force in order to introduce it into the cap 16 where it is to remain until practically all worn away. A piece of chalk in the cap



is represented at 18. Access to the chalk 18 is had through the open end of the cap, or said chalk may project somewhat beyond such end as it probably will when new.

5 Around the outside of the cap 16 is a shoulder 19, produced in the present case by grooving the cap, so located that the latch hook 15 engages it when said cap is pushed into the receptacle 6 as far as the flange 17 permits, and so locks the cap to the receptacle and prevents the former from being expelled by the spring 8 which is of sufficient length to exert its force on the cap or, in other words, to be compressed when the cap 15 is forced into locking engagement with the receptacle in the manner just described. It is the exposed end of the chalk 18 which actually bears against the free end of the spring 8 at such a time, and said spring is 20 long enough to exert its influence on the cap even when the chalk is nearly or quite used up, the spring then entering the chalk chamber in the cap. The inner end or nose of the cap 16 and the outer end of the hook 15 are 25 rounded or beveled so as to enable said cap to slide into engagement readily with said hook.

It will be plain from the foregoing that, owing to the shape of the cap 16 and the shoulder 19, no care need be exercised in inserting said cap into the receptacle 6, since locking engagement with the latch 10 is always insured provided the cap be pushed way in.

By fastening a butt-piece 20, of rubber or 35 other suitable material, on the closed end of the cap 16, by means of a screw 21 or otherwise, we furnish a cushion for the butt end of the cue 1. This cushion is in position excepting at such times as the cap 16 with the 40 chalk 18 is removed for use.

A cue equipped with this device is not disfigured or improperly balanced and there is nothing to interfere with the proper and convenient handling of the same, since the only 45 part of said device which is exposed to view excepting at the extreme butt end is the push-button 13 and that is out of the way in the opening 3, and the extra weight added by the device is at the butt where it is rather 50 to be desired than otherwise.

In practice, when it is desired to chalk the tip (not shown) of the cue 1, the push-button 13 is pressed inward against the resiliency of the spring 14, which action rocks 55 the latch 10 on its pivot 11 and carries the hook 15 out of engagement with the shoulder 19 into the slot 9, and immediately the spring 8 acts to eject the cap 16 from the receptacle 6. Said cap is caught by the operator in one hand, and the chalk 18 is then 60 applied to the tip in the usual manner. After chalking the tip, the cap 16 is thrust back into the receptacle 6, against the resili-

ency of the spring 8 and locked therein by the latch 10, the hook 15 having been re- 65 turned to locking position by the spring 14 upon the release of the push-button 13.

The chalk 18 can be used until it is substantially all worn away, as already intimated, when it is replaced by a new piece. 70

Changes in and modifications of the device herein shown and described may be made without departing from the spirit of our invention or sacrificing its advantages, such changes and modifications relating 75 more particularly to shape, size, and minor details of construction.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. In combination with a cue, a chalk- 80 holder comprising a latch-provided cylindrical receptacle permanently attached to said cue, a resilient member in such receptacle affixed at one end thereto, and a cylindrical cap for chalk, such cap having a 85 shoulder extending clear around it and being adapted to be inserted in the receptacle and to engage with its shoulder the receptacle latch, regardless of what portion of said shoulder may be opposed to said 90 latch, whereby the cap is held in the receptacle against the force of said resilient member.

2. In combination with a cue, a chalk- 95 holder comprising a cylindrical receptacle permanently attached to said cue and provided with a spring-pressed latch pivotally mounted therein and having an operating member extending from said latch out through the side of the receptacle, an ejection 100 spring in such receptacle affixed at one end thereto, and a cylindrical cap for chalk, such cap having an annular shoulder adapted to be engaged by said latch when said cap is forced into said receptacle, regardless 105 of what portion of said shoulder may be opposed to said latch, whereby the cap will be held in said receptacle against the force of said ejector spring.

3. In combination with a cue having a 110 chamber in its butt end and an opening leading from such chamber outward through one side, a chalk-holder comprising a receptacle fastened in said chamber, a spring-pressed latch pivotally mounted in such receptacle and provided at one terminal with a stud having a push-button on the outer end thereof, in such lateral opening in said cue, and at the other terminal with a hook, an ejector spring in such receptacle, and a 120 cap for chalk, such cap having a shoulder adapted to be engaged by said latch hook when the cap is thrust into said receptacle against the resiliency of said ejector spring.

4. A chalk holder comprising a receptacle 125 adapted for permanent attachment to a cue,



a spring-pressed latch pivotally mounted in one side of said receptacle and provided at one terminal with a stud having a push-button on the outer end thereof, outside of the  
5 receptacle, and at the other terminal with a hook, a cap for chalk adapted to fit into the receptacle and having a shoulder for engagement with said latch hook, and an ejector

spring in the receptacle between the inner end thereof and said cap when the latter is in place.

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