

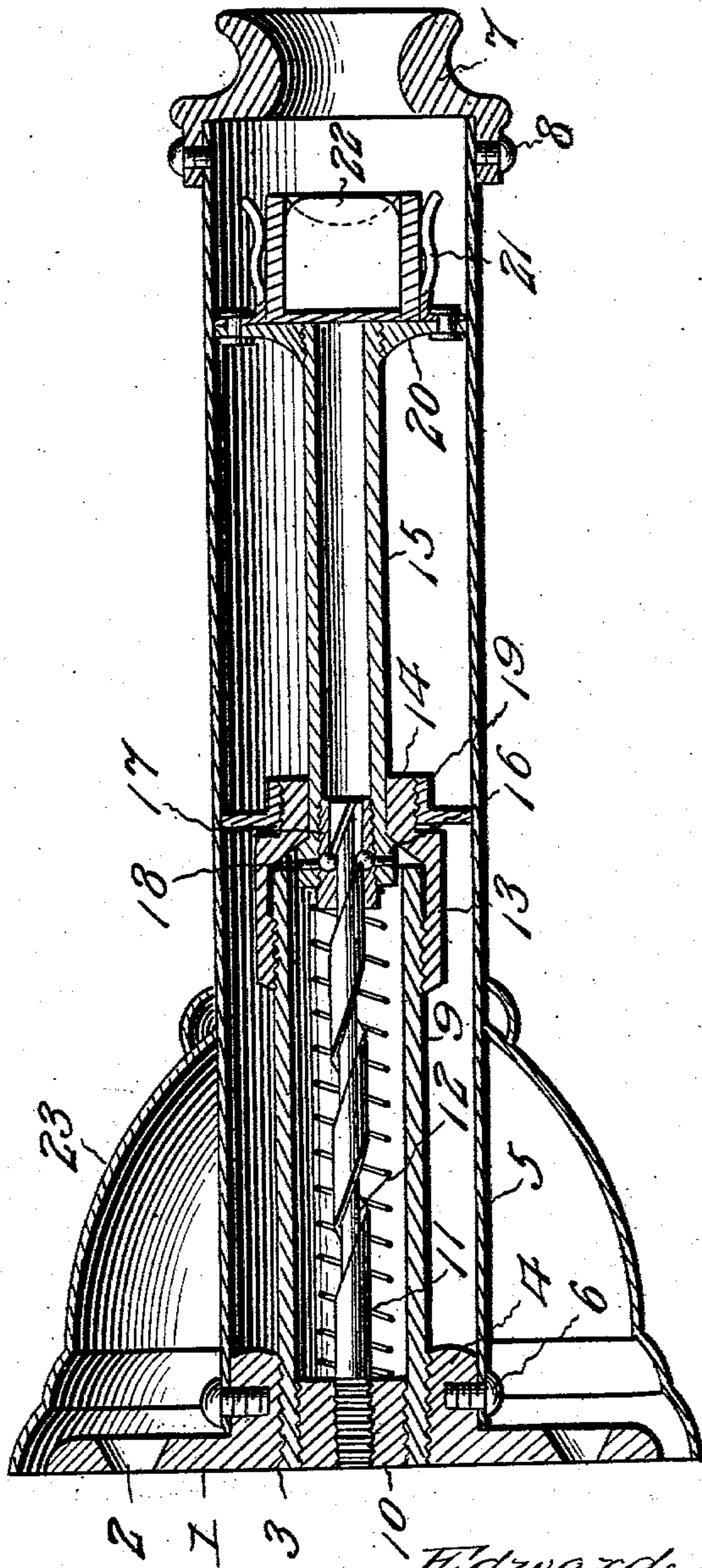
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E. J. MILLIGAN & C. DUNCAN.  
BILLIARD CUE CHALK HOLDER.

APPLICATION FILED MAR. 12, 1903.

NO MODEL.



Witnesses.

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# UNITED STATES PATENT OFFICE.

EDWARD JOSEPH MILLIGAN AND CHARLES DUNCAN, OF SALT LAKE CITY, UTAH, ASSIGNORS TO FRANK LETTIERI AND FRANK SEBASTIAN, OF SALT LAKE CITY, UTAH.

## BILLIARD-CUE CHALK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 751,934, dated February 9, 1904.

Application filed March 12, 1903. Serial No. 147,485. (No model.)

*To all whom it may concern:*

Be it known that we, EDWARD JOSEPH MILLIGAN and CHARLES DUNCAN, citizens of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented new and useful Improvements in Billiard-Cue Chalk-Holders, of which the following is a specification.

This invention relates to billiard-cue chalk-holders; and one of the objects of the invention is to provide a simple and effective construction of holder to receive and retain a piece of chalk, whereby the cue-tip can be effectually chalked by inserting the end of the cue in the holder.

Another object is to provide a means whereby the chalk will be incased and held against displacement.

Other objects, as well as the novel details of construction, will be specifically described hereinafter, and illustrated in the accompanying drawing, in which the figure represents a longitudinal sectional view through a chalk-holder constructed in accordance with our invention.

The reference-numeral 1 designates a disk which forms the main support and is adapted to be secured to a wall, table, or other object by inserting suitable fastening devices, such as screws, through the openings 2 in the disk. The disk 1 is provided with a concentric internally-threaded opening 3, surrounded by a flange or collar 4, which extends from one of its ends and to which the case 5 is fastened at one end by screws 6. This case 5 preferably comprises an elongated tube, on the free end of which is a removably-flared mouthpiece 7, normally fastened to the end of the tube by means of the screws 8. Threaded within the opening 3 and running parallel with the tube 5 is a second tube 9, also provided with internal threads to receive a plug 10, in which is threaded a guide-rod 11, having spiral grooves 12 therein, which form raceways for antifriction-balls carried by the piston-rod, to be referred to hereinafter.

On the end of the tube 9 is threaded a sleeve 13, having a restricted free end 14 provided

with a central opening the diameter of which is slightly less than the diameter of the bore of the tube 9. A hollow rod 15 extends through the opening in the sleeve 13, and on the extremity or terminal of the rod within the tube 9 is a head or flange 16, threaded internally to receive a nipple 17, carrying antifriction-balls 18, movable in the grooves 12 of the guide-rod 11. It will be observed that the rod 11 extends through the nipple and into the bore of the piston-rod, so that when pressure is applied to the piston-rod it will be free to slide upon the guide-rod, permitting the rod to pass into the hollow portion thereof.

In order that the piston-rod will normally be projected toward the open end of the tube, a coil-spring is provided within the tube 9, one end of the spring bearing against the plug 10, while the other end bears against the end of the piston-rod 15. The convolutes of this spring surround the rod 11, on which the piston moves. On the free end of the sleeve 13 is threaded a flanged collar 19, the outer edge of which bears against the inner wall of the tube 4, and on the free extremity of the piston-rod is sleeved a piston 20, on which are riveted or otherwise secured a plurality of spring-fingers 21 to receive the chalk 22, which is usually put up for commercial use in small boxes, and this form of cake is shown in the drawing, although it is obvious that any other form may be as effectually held. In order to give an artistic appearance to the holder, the outer case 4 can be suitably ornamented, and a dome or hood 23 may be sleeved on the tube inclosing the disk 1 and the rear portion of the tube.

From the foregoing it will be seen that by inserting the end of the cue through the opening in the mouthpiece 7 the piston and its rod will be moved rearward or toward the supporting end of the holder. As the nipple and balls are carried by the piston-rod 15 and inasmuch as the guide-rod 11 is stationary, a rearward pressure upon the piston will cause the latter to rotate on the rod 11 in one direction, at the same time compressing the spring within the tube. As the guide is withdrawn the expansion of the spring will cause the rod



and piston to rotate in the opposite direction, thus effectually chalking the tip. It will be observed further that by providing the peculiar arrangement of parts the device can be  
5 readily taken apart for repairs or for other purposes.

Slight changes may be made in form and construction without departing from the spirit of this invention, and we therefore reserve the  
10 right to make such changes and alterations as may suggest themselves from time to time.

We claim—

A billiard-cue chalker comprising a disk, an elongated tube secured thereto and having a  
15 flared open end, a second tube within the first-named tube carried by the disk, a sleeve threaded on the end of the second-named tube and provided with a restricted end having a

central opening, the diameter of which is slightly less than the diameter of the second  
20 tube, a guide-rod within the second tube, a hollow piston-rod into which the guide-rod projects, a collar on the end of the piston-rod to abut against the restricted portion of the  
25 sleeve to limit its movement, a chalk-carrying device on the opposite end of the piston-rod and a spring interposed between the end of the piston-rod and the opposite end of the tube.

In testimony whereof we affix our signatures in presence of two witnesses.

EDWARD JOSEPH MILLIGAN.  
CHAS. DUNCAN.

Witnesses:

J. N. COURTNEY,  
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