

F. R. MAGUIRE.
CUE CHALKING DEVICE.
APPLICATION FILED FEB. 20, 1908.

898,905.

Patented Sept. 15, 1908.

Fig. 1.

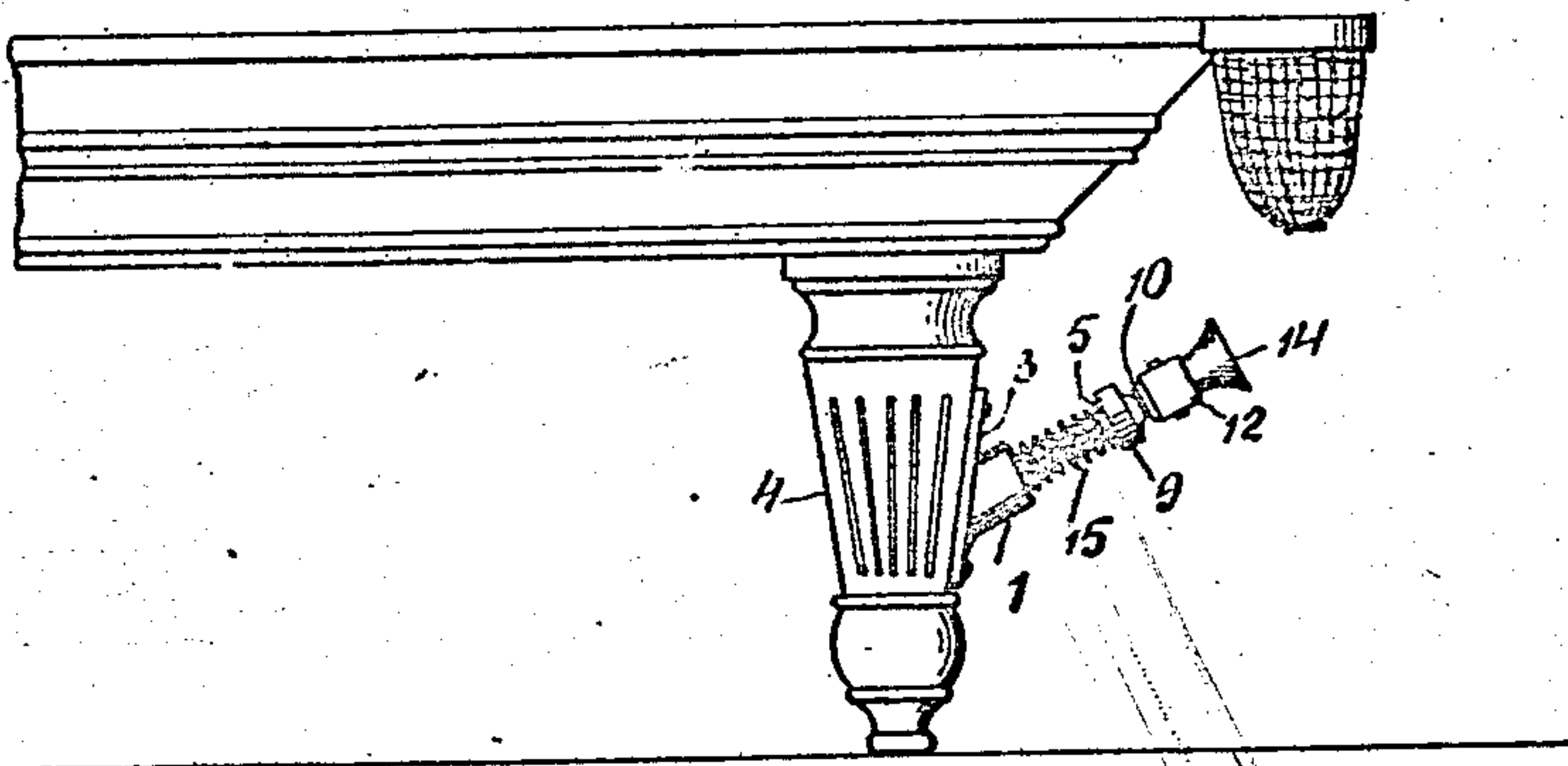


Fig. 2.

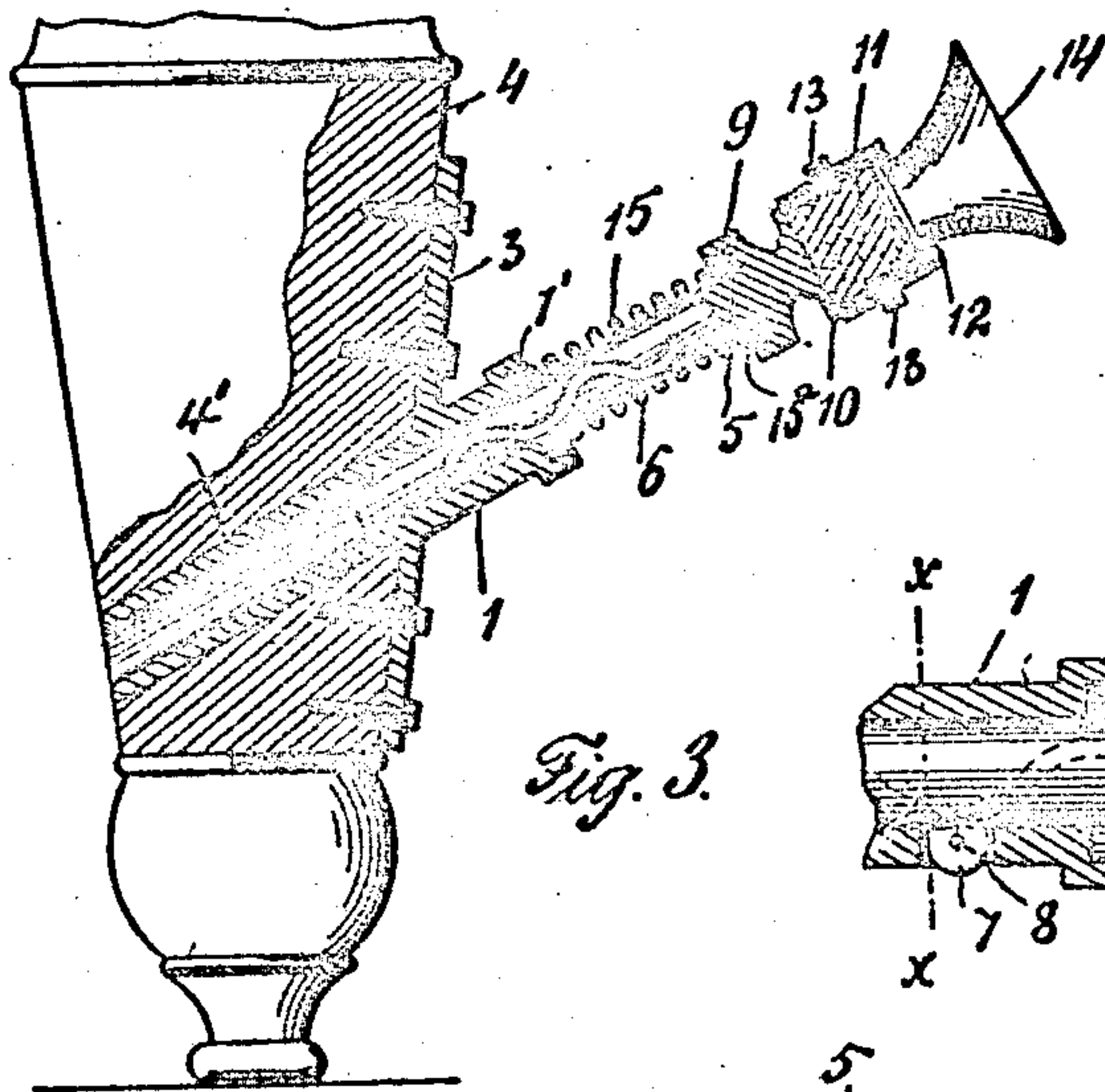


Fig. 3.

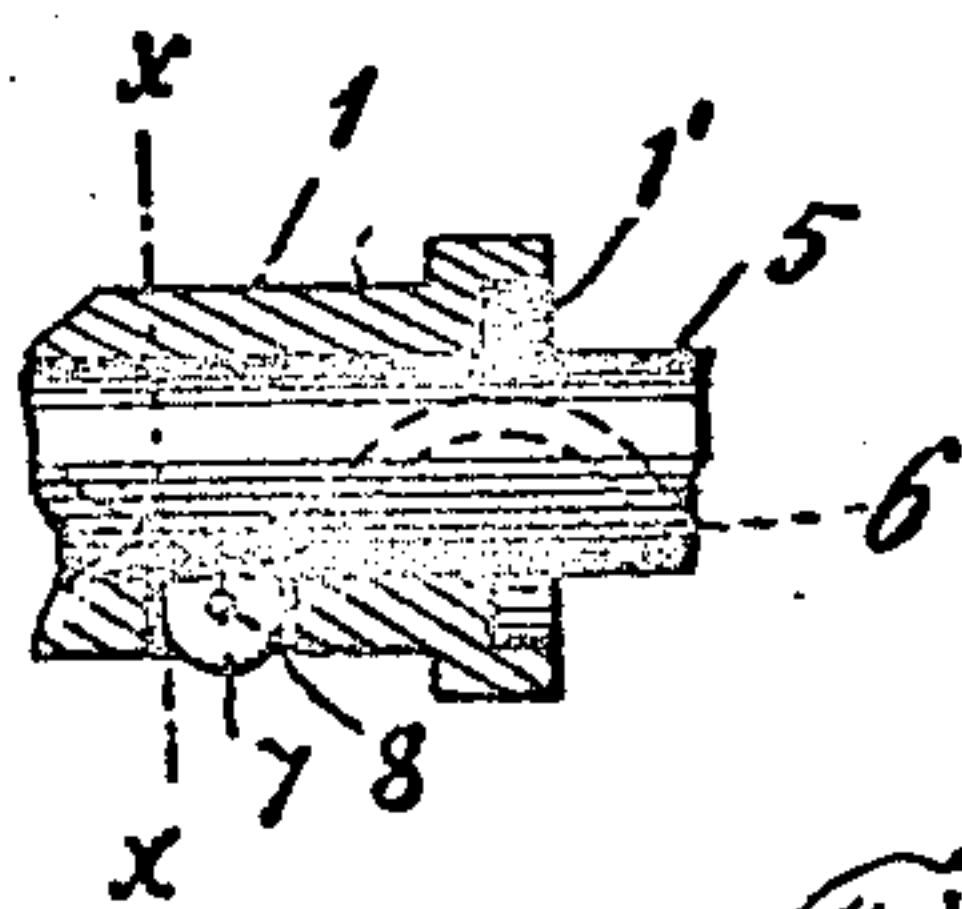


Fig. 4.

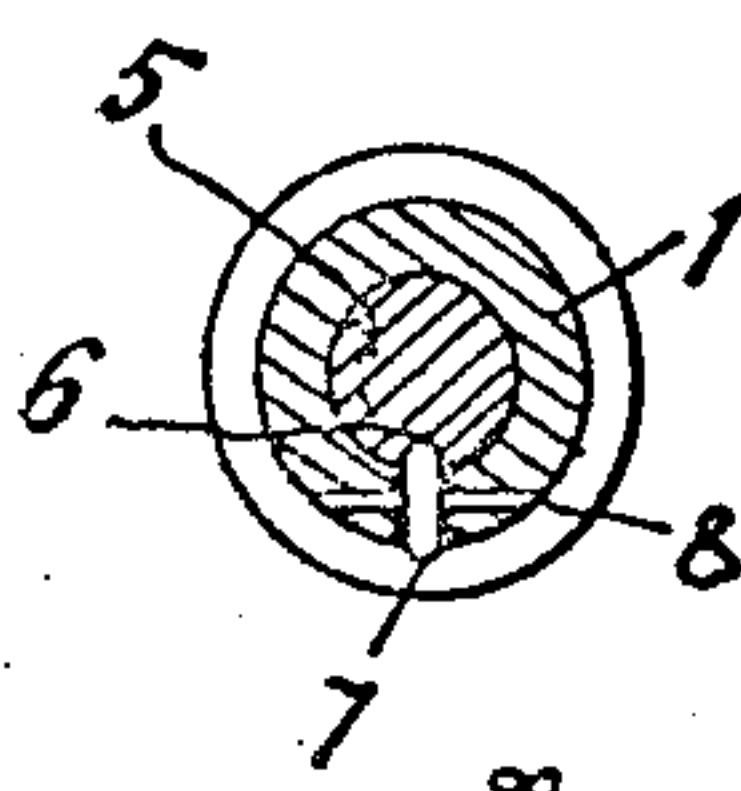
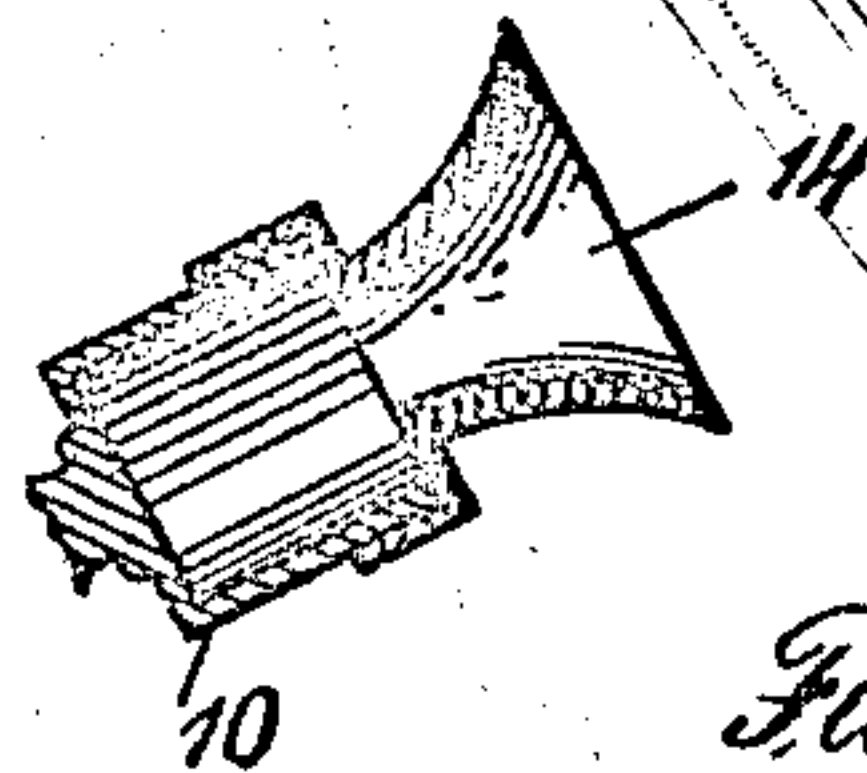


Fig. 5.



Witnesses

Samuel Payne
A. C. Butler

Inventor

F. R. MAGUIRE,

H. E. Everts

Attorney

UNITED STATES PATENT OFFICE.

FORREST R. MAGUIRE, OF NEW FLORENCE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO
CURTIS P. GEARY, OF NEW FLORENCE, PENNSYLVANIA.

CUE-CHALKING DEVICE.

No. 898,905.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed February 20, 1908. Serial No. 416,854.

To all whom it may concern:

Be it known that I, FORREST R. MAGUIRE, a citizen of the United States of America, residing at New Florence, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Cue-Chalking Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a cue chalking device, and relates particularly to that class of devices employed for holding a piece of chalk in a convenient position to permit of the cue tip being placed against the chalk and the cue manipulated so as to apply the chalk to the tip, and the invention has for its object to improve the construction of such devices generally and provide a chalking device which may be attached to the leg of a billiard or pool table in such a manner that it will be out of the way of the players and at the same time will be in convenient position for use when desired.

The invention has for its further object to provide a cue chalking device that will be simple in construction, strong, durable, effective in its operation, and comparatively inexpensive to manufacture.

In the drawings: Figure 1 is an elevation of my device as applied to a leg of the billiard table, Fig. 2 is a cross sectional view of the same, Fig. 3 is a sectional view of a portion of the same illustrating a roller bearing, Fig. 4 is a cross sectional view of the same taken on the line $x-x$ of Fig. 3, and Fig. 5 is a sectional view of a portion of the chalking device illustrating a cylindrical chalk holder.

To put my invention into practice, I provide a tube or cylinder 1 provided intermediate its ends, and closer to its outer end than to its inner end, with a securing plate 3 by means of which the tube or cylinder is secured to a suitable support such as billiard table leg 4 as herein shown. The tube or cylinder 1 extends at an acute angle to the plate 3, in order that the chalking device may be presented to the player in the most convenient manner for chalking the cue. The outer end of the tube or cylinder 1 is provided with an integral collar which has an annular groove 1' for a purpose as will presently appear. The portion of the tube or cylinder 1 extending beyond the front face of the securing plate 3 is materially shorter

than that portion of the tube or cylinder 1 which projects beyond the rear face of said securing plate 3, the support 4 being provided with an opening 4' in which the said portion of the tube or cylinder 1 projecting beyond the rear face of the plate 3 is neatly fitted, thus providing a prolonged bearing for supporting the chalking device, and relieving the securing plate 3 of considerable strain that would be otherwise placed thereon.

A plunger rod 5 is received in the outer end of the tube or cylinder 1 for reciprocatory movement in the said tube or cylinder 1, and during such reciprocatory movement is adapted to be partially rotated by means of a roller 7 which engages in a sinuous groove 6 formed in the rod 5 between the ends of the latter. The roller 7 is mounted on a transversely extending pin 8, and besides acting to impart partial rotary movement to the plunger rod 5 during the reciprocation of the latter, also serves as the means for limiting both the outward and inward movement, or in other words, the longitudinal reciprocation of the plunger rod 5. The said plunger rod 5 is provided adjacent its outer end with an interiorly grooved collar 9, and, on its outer end, carries a chalk holding cup 10. This chalk holding cup may be of any form desired, and where the same is made cylindrical in form, screws 13 are employed for securing the chalk 11 against independent rotation in the cup. These screws 11 also serve as means for securing to the cup an end cap 12, provided with a flaring mouth 14 which acts as a guide for centering the tip of the cue on the chalk 11.

The plunger rod is normally held in the extended position, and is returned to its normal position after each actuation thereof, by means of a coil spring 15, surrounding the rod 5, with its inner end received in the annular groove or seat 1' provided therefor in the outer end of the cylinder or tube 1, and its outer end received in the annular groove in the collar 9. In order to relieve any tendency on the part of the plunger rod 5 twisting the spring 15, I preferably provide anti-friction balls 15^a in the annular groove in collar 9, the outer end of the spring 15 seating against said anti-friction balls.

By providing an extended bearing in the rear of the securing plate of the chalking device, I am enabled to so mount the device on a billiard or like table as seen in Figs. 1 and

2, that the outer end of the device will be within a vertical line drawn from the end of the table to the floor upon which the table is supported, so that the chalking device will be
5 entirely out of the way, and will not interfere in any manner with the players, and by supporting the device at an acute angle to a vertical line, the mouth 14 of the chalking
10 device is presented to the player in the most convenient position for the effective chalking of the cue.

While I have specifically described the preferred embodiment of my invention, it will be obvious that various changes may be
15 made in the details of construction without departing from the scope or spirit of the invention claimed.

Having now described my invention what I claim as new, is:—

20 In a cue chalking device, a tube or cylinder provided intermediate its ends with a securing plate, the greater portion of said tube or cylinder projecting beyond the rear face of

said plate and the outer end of the tube or cylinder having an annular groove, a plun- 25
ger rod extending into said cylinder and provided adjacent its outer end with a collar having an annular groove, said plunger rod provided intermediate its ends with a sinu-
30 ous groove, a roller mounted in the cylinder and received in said groove, a spring surrounding the plunger rod having its ends seated respectively in the groove in the outer
end of the cylinder and in the groove in the collar on said rod, a chalk holding cup car- 35
ried by the outer end of said plunger rod, and a cap secured to said cup and provided with a flaring guide mouth communicating with the
chalk holding cup.

In testimony whereof I affix my signature 40
in the presence of two witnesses.

FORREST R. MAGUIRE.

Witnesses:

CURTIS P. GEARY,
C. G. BENNETT.