

No. 616,482.

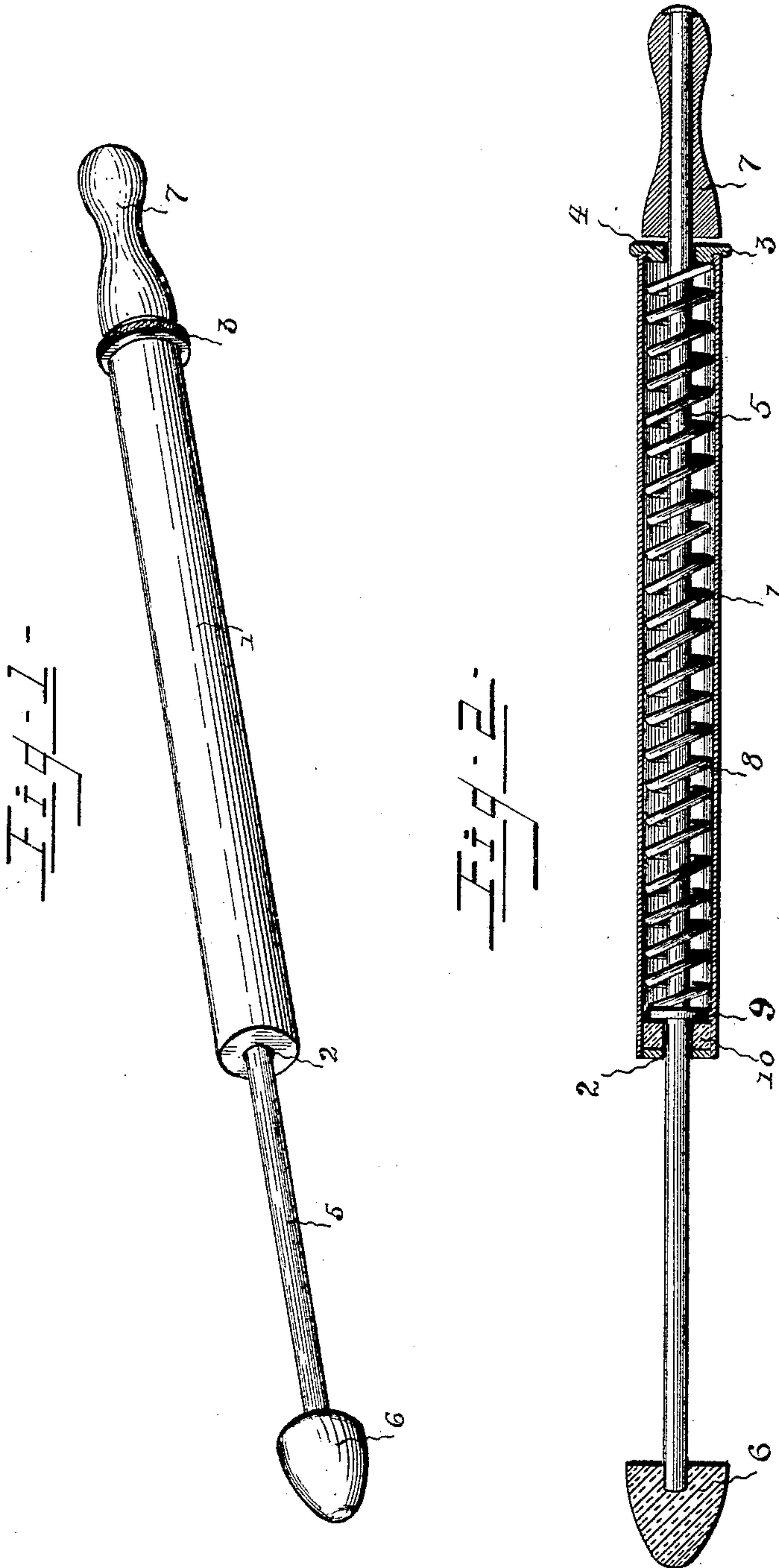
Patented Dec. 27, 1898.

R. C. MOORE.

TOY CUE.

(Application filed Nov. 29, 1897.)

(No Model.)



Witnesses

O. J. Young.
Edwin Cruise.

By *his* Attorneys,

Chas. Snow & Co.

Inventor:-

Robert C. Moore,

UNITED STATES PATENT OFFICE.

ROBERT CHRISTIAN MOORE, OF PALMYRA, ILLINOIS.

TOY CUE.

SPECIFICATION forming part of Letters Patent No. 616,482, dated December 27, 1898.

Application filed November 29, 1897. Serial No. 660,106. (No model.)

To all whom it may concern:

Be it known that I, ROBERT CHRISTIAN MOORE, a citizen of the United States, residing at Palmyra, in the county of Macoupin and State of Illinois, have invented a new and useful Toy Cue, of which the following is a specification.

This invention relates to toy cues especially adapted for use in games, such as crokinole, archarena, carom, &c., in which games disks, rings, or balls are propelled over a smooth surface. In such games the ball or disk is usually propelled by flipping it by the finger; but such method is frequently painful and also inaccurate; and the object of my invention is to overcome these objectionable features and to provide a simple and efficient device by means of which the ball or disk can be propelled with accuracy and also without pain to the player.

With this object in view the invention consists of the several details of construction and combination of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a toy cue made in accordance with my invention. Fig. 2 is a longitudinal section of the same.

Similar reference-numerals indicate similar parts in both figures.

1 indicates a barrel or tube, of thin sheet metal, having a reduced opening 2 in one end, centrally thereof, and a removable cap 3 at its other end, which is also centrally perforated, as indicated at 4. A rod 5, preferably of metal, although it may be of wood, if desired, is supported in the openings 2 and 4 to slide freely therein and projects beyond the barrel at each end. A tip 6, preferably of rubber, is secured to the forward end of the rod and a finger-hold 7 at its other end, and the said tip is provided at its back with a centrally-arranged socket, which detachably receives the front end of the rod. A helical spring 8 surrounds the rod 5 within the barrel and bears at one end against the cap 3 and at its other end against a collar 9, rigidly secured on the rod 5 within the barrel and near the forward end thereof.

10 indicates a stationary cushion, which will preferably be a rubber disk, fitted in the

barrel at its forward end and centrally perforated for the free passage of the rod 5. This cushion is designed to receive the impact of the collar 9 and take up the shock in the event the tip 6 fails to strike any object when the rod is projected by the spring. The cushion is an important feature in my invention, as it prevents the unpleasant noise that would result should the collar 9 strike the end of the barrel. It also prevents injury to the end of the barrel, which would otherwise occur by the frequent impact of the collar against it. Furthermore, the cushion on account of its elasticity will absorb the shock, and thus tend to prevent the cue being jarred out of the hand of the player when the tip fails to strike an object.

The collar 9 and the cushion 10 are arranged so that the latter will be struck by the former and will check the rod before the handle contacts with the inner end of the barrel, whereby the handle is prevented from being injured by the blow.

In use the tube will be held firmly by one hand of the player and the finger-hold 7 be grasped by the other hand and the rod pulled back until the desired tension is obtained. The rubber tip on the forward end of the rod is held near or against the disk or ball to be propelled, and when the player thinks his aim is correct the handle will be released and the spring will project the rod, and thus propel the ball or disk, as will be readily understood. Should, however, the player miss the object which he attempts to strike with the tip end of the rod, the elastic cushion in the forward end of the barrel will receive the impact of the collar and prevent any unpleasant noise and also prevent the cue being jarred out of the hand of the player.

Having thus described the invention, what I claim is—

A toy cue comprising a cylindrical barrel provided at its outer end with a reduced opening 2, a removable cap located at the other end of the barrel and provided with a central opening registering with the reduced opening 2, a continuous rod extending entirely through the openings of the barrel and projecting beyond both ends of the same, a removable rubber tip 6, located at the outer end of the rod and provided with a socket

receiving the same, an exteriorly-arranged handle secured to the other end of the rod and arranged adjacent to the cap 3 when the parts are in their normal position, an interiorly-arranged collar 9 mounted on the rod at a point between the ends thereof, a coiled spring disposed on the rod and arranged within the barrel between the collar 9 and the removable cap 3, and a stationary elastic cushion arranged within the barrel at the reduced opening 2 and provided with a central perforation for the passage of the rod and

adapted to receive the impact of the collar, said cushion being adapted to check the rod before the handle comes in contact with the inner end of the barrel, substantially as described. 15

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ROBERT CHRISTIAN MOORE.

Witnesses:

P. B. SPOONER,
FRED L. CHILES.