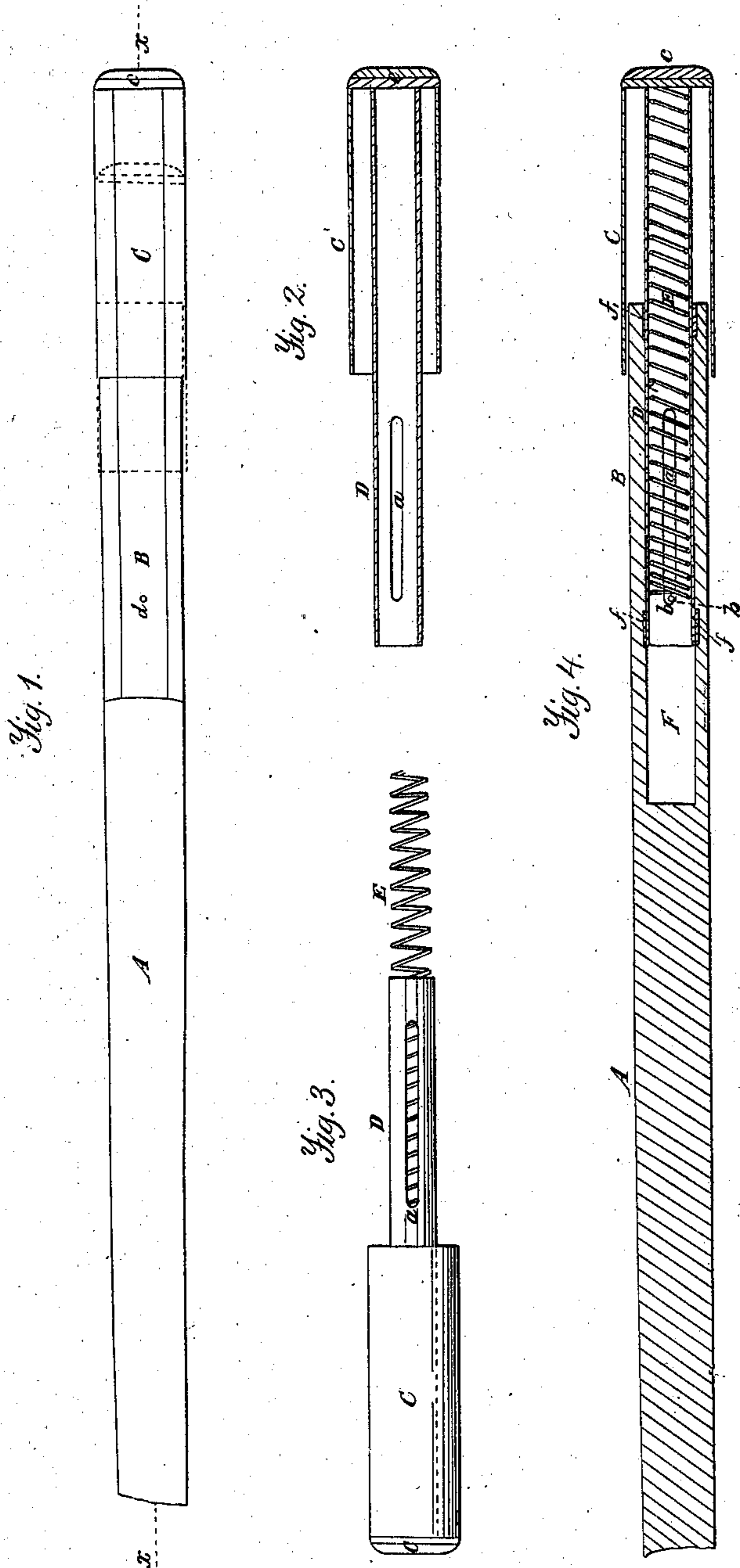


J. N. McIntire,

Billiard Cue,

N^o 83,397.

Patented Oct. 27, 1868.



Witnesses.
J. N. McIntire.
E. Thompson.

Inventor.
J. N. McIntire.

United States Patent Office.

J. N. McINTIRE, OF NEW YORK, N. Y.

Letters Patent No. 83,397, dated October 27, 1868; antedated October 6, 1868.

IMPROVEMENT IN BILLIARD-CUES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, J. N. McINTIRE, of New York city, in the State of New York, have invented certain new and useful Improvements in Billiard-Cues; and I do hereby declare that the following is an exact description thereof, reference being had to the accompanying drawings.

My invention consists in making a telescopic billiard-cue, which, when used in a room of narrow dimensions, will accommodate itself to any want of space by contraction in its length, and resume its natural dimensions and balance when any accidental pressure or obstruction is removed.

To enable those skilled in the art to make and understand my improved cue, I will proceed to describe the same, referring, by letters, to the accompanying drawings, and in which—

Figure 1 is a top view of a cue embracing my improvement;

Figure 2 is a vertical longitudinal section through the centre of the false or extra butt, with spring taken out;

Figure 3 is a top view of the same, with the spring attached; and

Figure 4 is a vertical longitudinal section at the line *x x*, fig. 1.

Similar letters of reference denote like parts in the different figures.

A is the cue, tapering gradually to the butt B.

C is a false butt, made of sheet-metal, corresponding exactly in shape to the butt B, and of such dimensions as will admit of its sliding, without lateral play, on to the butt B, and of a length to suit circumstances, as will be presently explained.

D is a tube, made also of metal, and secured to the base of the false butt, centrally, and extending beyond it a distance about equal to the length of said butt. Of course this may be varied to suit circumstances. This tube is provided with a slot, *a*, made through the centre longitudinally, and about two-thirds of the length of said tube, and about one-eighth of an inch wide, in a full-sized cue, and beginning about one inch from the end of the butt B.

E is a spiral spring, of such size as to admit of its reception into the tube D.

F is a socket drilled centrally through the butt B, a distance equal, or thereabouts, to the length of the tube, into which are secured two thimbles, *ff*, one being located at the entrance, and the other at any suitable point below, to form bearings or journals for the tube D to slide upon freely, and at the same time to prevent any lateral motion of the tube. *b* is a pin, with

which the tube and false hollow butt are secured in position, as will be presently explained.

c is a cushion, made of any suitable material, and applied to the end of the butt.

The cue A has a hole, *d*, drilled through it for the reception of the pin *b*.

I will now explain the manner of putting the several parts together.

The spring E is placed within the tube D, and pressed slightly toward the cushioned end of the butt, until the end of the spring just passes the hole *b*, when a short pin is passed through to hold the spring in place. This pin does not protrude on either side of the tube, being in its length exactly equal to the diameter of the tube E, which is then passed down into its socket, F, the butt C passing a short distance over the butt B, until the pin above alluded to comes directly opposite to the pin-hole *d*, when the pin *b* is driven through, forcing the short pin out of the way, and securing the tube in place, and forming a bearing for the spiral spring.

Of course, I do not wish to limit myself to a spring or arrangement especially as described, as I may vary materially without departing from the spirit of my invention; for instance, gutta-percha springs may be used.

It will be seen that, the parts being secured, the cue is ready for use, and that should the cue strike the wall or any object behind the player, the false butt will immediately yield to the pressure, sliding down upon its bearings, and will immediately return to its proper position as soon as the pressure is removed, and thus again balance the cue. Of course the ordinary-lengthened cue is cut somewhat shorter, so that when the false butt is attached, it will be of its natural dimensions and weight. This butt, in a full-sized cue, need not be more than three or four inches in length, and any contact with the hand, or inconvenience whatever, is avoided.

Having explained the construction and operation of my improved cue,

What I claim as new, and desire to secure by Letters Patent, is—

A telescopic billiard-cue, having a false or spring butt, so constructed as to yield to any pressure, and again resuming its natural position, substantially as described for the purpose set forth.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 5th day of March, 1868.

J. N. McINTIRE. [L. s.]

Witnesses:

WM. C. McINTIRE,
T. C. SMITH.