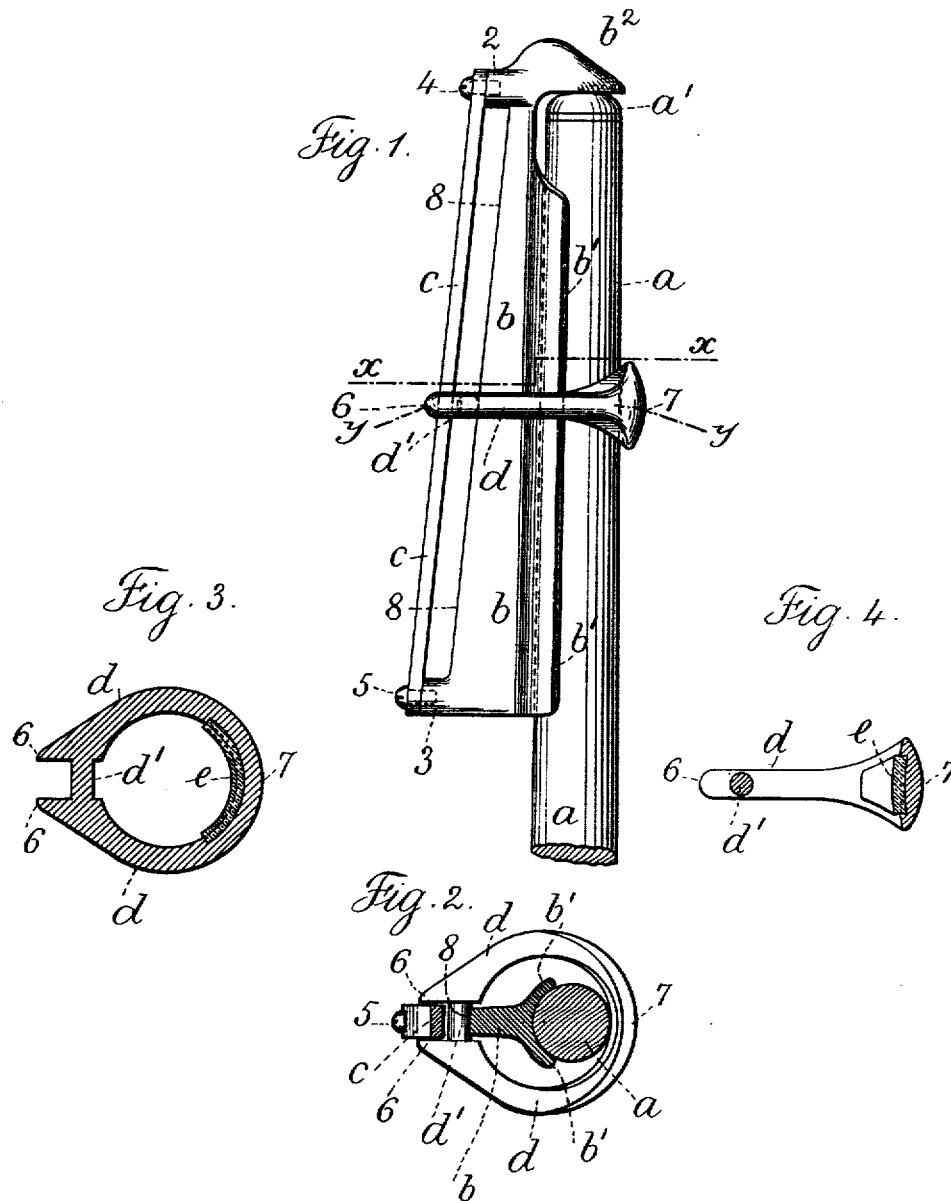


(No Model.)

M. PILGRAM.
BILLIARD CUE TIP FASTENER.

No. 526,842.

Patented Oct. 2, 1894.



Witnesses:
J. Stait
Charles Smith

Inventor:
Morris Pilgram
per Lemuel W. Torrell
Atty.

UNITED STATES PATENT OFFICE.

MORRIS PILGRAM, OF JERSEY CITY, NEW JERSEY.

BILLIARD-CUE-TIP FASTENER.

SPECIFICATION forming part of Letters Patent No. 526,842, dated October 2, 1894.

Application filed May 19, 1894. Serial No. 511,765. (No model.)

To all whom it may concern:

Be it known that I, MORRIS PILGRAM, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Billiard-Cue-Tip Fasteners, of which the following is a specification.

The parts of some cue-tip-fasteners are liable to become separated and misplaced or lost, and in other instances the fastening device is not well adapted to different sizes of cues or the surface of the cue is injured by the cue tip holder.

In my present device the fastener is adapted to various sizes of cues, the surface of the cue is not injured by the fastener, and the clamping ring of the fastener can be used for suspending the fastener when not in use.

In the drawings, Figure 1 is a side elevation representing my improvement. Fig. 2 is a sectional plan at the line *x x*. Fig. 3 is a section of the ring at the line *y y*. Fig. 4 is a cross section showing a modification in the form of a clamping ring.

a represents part of a billiard cue, and *a'* the leather or other tip that is to be fastened by glue at the end of said cue.

The main frame is represented at *b* and the same is provided for part of its length with the concave edge *b'* and with the head *b²* at one end which bears upon the tip *a'*. I also form projections 2 3 upon the respective ends of the main frame *b* and employ a bar *c* preferably attached by screws 4 5 passing through the bar into threaded holes in the projections 2 3, so that between the bar *c* and main piece *b* there is a slot that is almost the length of the bar.

The fastening ring is represented at *d* and the same is made with a notched part 6, a connecting bar *d'* and wider portion 7. The notched part 6 straddles the bar *c*, the connecting bar *d'* bears against the inclined flat edge 8 of the main frame *b*, and the wider portion 7 bears against the billiard cue.

By first pressing the head *b²* over the tip *a'* with the concave edge *b'* against the cue *a* and then forcing the ring *d* along the main frame *b* and cue *a* away from the cue tip the fastener is rigidly held to the cue and the tip is held in place while the glue is drying.

The bar *c* confines the connecting bar *d'* of the ring *d* in the slot between the bar *c* and

main frame *b* and prevents the ring becoming detached but the ring can be moved freely on the main piece *b*.

In Figs. 3 and 4, I have shown the portion of the clamping ring *d* that bears upon the cue as provided with an internal recess into which is secured a piece of leather *e* or similar material of slightly greater thickness than the depth of the recess. This removes all liability of marking the cue in securing the tip.

The fastener is made of cast metal, it is comparatively inexpensive and is very efficient and will not mark or mar the cue while holding a tip in place while the adhesive material is drying.

The clamping ring cannot become detached from the other parts of the fastener, and in consequence of the part *d'*, of such ring being round and passing through the slot between the bar *c*, and the body of the fastener, the ring can be slipped to the tip end of the fastener and then turned into line with the slot and used as a suspending device for hanging the fastener upon a hook or nail.

I claim as my invention—

1. A billiard cue tip fastener, consisting of a main frame having a concave edge to bear against the cue, a head to press on the tip and a longitudinal bar between which and the main frame there is a slot, and a fastening ring surrounding the main frame and passing through the slot whereby the ring is connected to the fastener, and can be used as a suspending device when the fastener is not in use substantially as set forth.

2. A billiard cue tip fastener, consisting of a main frame *b*, a concave edge *b'* to bear against the cue, a head *b²* to press upon the tip, projections near the ends, a bar *c* and screws for fastening said bar to said projections, a fastening ring *d* having a notched part 6 to straddle said bar, and a round connecting bar *d'* passing through the slot between the bar *c* and main frame *b*, substantially as set forth.

Signed by me this 12th day of May, A. D. 1894.

MORRIS PILGRAM.

Witnesses:

GEO. T. PINCKNEY,
HAROLD SERRELL.