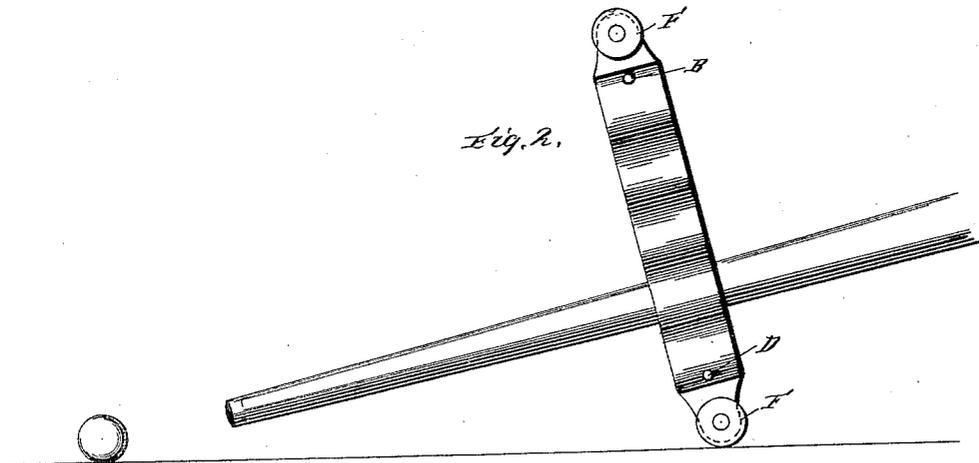
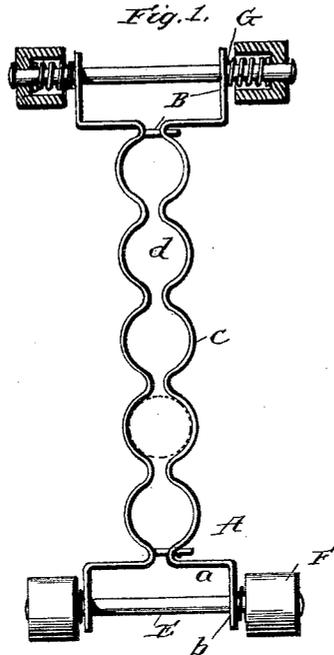


(No Model.)

N. WICKLIFFE.
BILLIARD CUE ATTACHMENT.

No. 453,797.

Patented June 9, 1891.



Witnesses:

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UNITED STATES PATENT OFFICE.

NATHANIEL WICKLIFFE, OF NEW ORLEANS, LOUISIANA.

BILLIARD-CUE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 453,797, dated June 9, 1891.

Application filed September 25, 1890. Serial No. 366,085. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL WICKLIFFE, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in an Attachment for a Billiard-Cue; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to an improvement in attachments for billiard-cues designed as a substitution for bridges, and the novelty will be fully understood from the following description and claims when taken in connection with the accompanying drawings, in which—

Figure 1 is a front view of my improved device, showing parts in section; and Fig. 2 is a side view of said device applied to a portion of a billiard-cue, showing the same in a position as arranged upon a billiard-table.

In carrying out my invention I take two similar sheets of metal A or other suitable material and bend their opposite ends outwardly, as at *a*, and their terminals downwardly, as at *b*, and provide the latter with journal-apertures, the body of the strips being provided with corrugations *c*, as shown, so that when placed together suitable eyes *d* are formed for the reception of a billiard-cue. One of these corrugated strips are provided near opposite ends with horizontally-disposed studs B, which are designed to enter apertures D at a corresponding point in the opposite strips, so as to guide the strips in their lateral movements. Journaled in the opposite ends of these corrugated strips are shafts E, which project considerably beyond the strips and carry on their ends friction-rollers F. These rollers are cupped or recessed on their inner sides and receive spiral or other suitable springs G, which bear at one end against the outer sides of said strips, so as to normally press the corrugated portions together and hold the latter firmly in position upon a cue.

In the illustration of my invention I have shown the strips as adapted to receive a cue at five points of altitude, although it is obvi-

ous that a greater or less number of corrugations may be used without departing from the spirit of my invention.

In operation a cue is passed into the corrugations of the strips from the smaller end of said cue and forced onto the desired point, and as it is sometimes desirable to have a higher support or bridge than at other times by placing the cue in the second set of corrugations and employing the rollers upon opposite ends of the strip it is only necessary to turn the cue, when a support of greater altitude may be had.

It is obvious that instead of using two strips for the cue-clamp a single strip might be used and one set of rollers dispensed with, and in forming the clamp from a single strip the latter should be bent about midway of its length and the branches brought down beside each other and terminate in the angular ends, such as shown, to receive the shaft of the friction-rollers.

Having described my invention, what I claim is—

1. A cue attachment consisting of a clamp having a series of corrugations, and a shaft at opposite ends thereof carrying friction-rollers, substantially as specified.

2. A cue attachment consisting of two corrugated strips carrying shafts in their opposite ends, rollers on said shafts and exterior to the strips, and springs interposed between the rollers and the corrugated strips, substantially as specified.

3. As an improved article of manufacture, a cue attachment comprising two corrugated strips having their opposite ends provided with journal-apertures and one of the strips carrying studs on its inner side and the opposite strip provided with receiving-apertures at corresponding points, a shaft journaled in the ends of the strips, recessed rollers on the ends of the shafts, and springs surrounding the shaft and arranged within the recesses of the rollers, substantially as specified.

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

NATHANIEL WICKLIFFE.

Witnesses:

PERCY D. PARKS,
J. B. ROSSER, Jr.