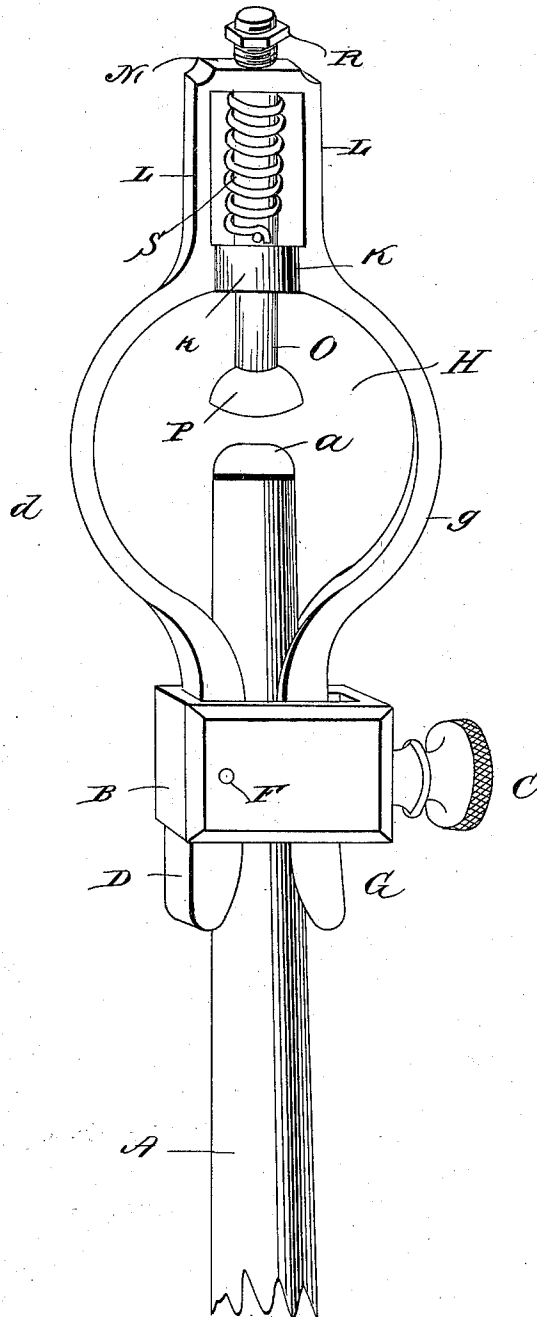


(No Model.)

S. P. DAVIS & C. E. YOUNG.
BILLIARD CUE TIP FASTENER.

No. 566,504.

Patented Aug. 25, 1896.



WITNESSES:

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SAMUEL PERREY DAVIS AND CLARENCE EVERETT YOUNG, OF DANIELSON,
CONNECTICUT.

BILLIARD-CUE-TIP FASTENER.

SPECIFICATION forming part of Letters Patent No. 566,504, dated August 25, 1896.

Application filed November 14, 1895. Serial No. 568,878. (No model.)

To all whom it may concern:

Be it known that we, SAMUEL PERREY DAVIS and CLARENCE EVERETT YOUNG, citizens of the United States, and residents of Danielson, in the county of Windham and State of Connecticut, have invented certain new and useful Improvements in Billiard-Cue-Tip Fasteners, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to billiard-cues, and particularly to means for securing the rubber tips to the ends thereof; and the object of the invention is to provide an effective device for this purpose which is simple in construction and operation and which is perfectly adapted to accomplish the object for which it is intended.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, said drawing being a side elevation of our invention, also showing the same attached to a billiard-cue.

In the accompanying drawing, A represents a section of a billiard-cue, and *a*, the rubber tip secured to the end thereof; and in the practice of our invention we provide a clamping device, consisting of a casing B of any preferred form, in one side of which is a set-screw C, and said screw C and said casing are adapted to receive our improved clamp, which comprises two jaws D and G, one of which is secured within the casing B by a pin or bolt F, and the other of which is loose therein.

The jaws D and G are outwardly and segmentally curved, as shown at *d* and *g*, thus forming a circular space H, and said jaws are again united or brought together at K, where a partition *k* is formed, and beyond this the jaws are extended so as to form parallel arms or side bars L, the outer ends of which are united by a plate M, and passing through the plates M and *k* is a bolt O, the inner end of which is provided with a head P, and the outer end of which is screw-threaded and provided with a set-nut R, and mounted on the bolt O

between said plates M and *k* is a spiral spring S, one end of which bears upon the plate M, and the other end of which is secured to said bolt.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawing.

As is well known, the rubber tips *a* are secured in place by cement or other and similar material, and the object of this invention is to securely hold said tips in place until the cement or other material has had time to set; and in order to accomplish this result, the end of the cue is passed through the casing B, between the jaws D and G, and after having been properly adjusted the set-screw C is operated so as to securely clamp the jaws to the cue, and in this operation the rubber tip *a* is pressed against the head P of the bolt O, and said tip will be securely held in place by the pressure of the spring S.

The position of the bolt O may be regulated by the set-screw R, and it will thus be seen that we accomplish the object of our invention by means of an effective device which is simple in construction and operation and comparatively inexpensive.

Our invention is not limited to the exact form and construction of the clamp herein shown and described, and we therefore reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of the invention.

Having fully described our invention, we claim and desire to secure by Letters Patent—

The combination with a billiard-cue, of a device for securing the rubber tips to the end thereof, consisting of a casing B provided at one side thereof with a set-screw C, said casing being adapted to receive the dependent jaws D and G, the former secured within said casing by a pin F, the outer jaw being loose therein, the central portion of said jaw being segmental or curved forming a central space and being united by an apertured partition *k*, beyond which the jaws are extended parallel with each other and are united with an apertured plate M, and a bolt O, passing through said plates M and K and being pro-

vided at the lower end thereof with a concave cap P, the upper end of said bolt being screw-threaded and provided with a jam-nut R, and a spring upon said bolt adapted
5 to force the same downwardly, substantially as described.

In testimony that we claim the foregoing as our invention we have signed our names,

in presence of the subscribing witnesses, this 8th day of November, 1895.

SAMUEL PERREY DAVIS.
CLARENCE EVERETT YOUNG.

Witnesses:

FRANK SAMUAL DAVIS,
FREDERICK WILLIAM SHORT.