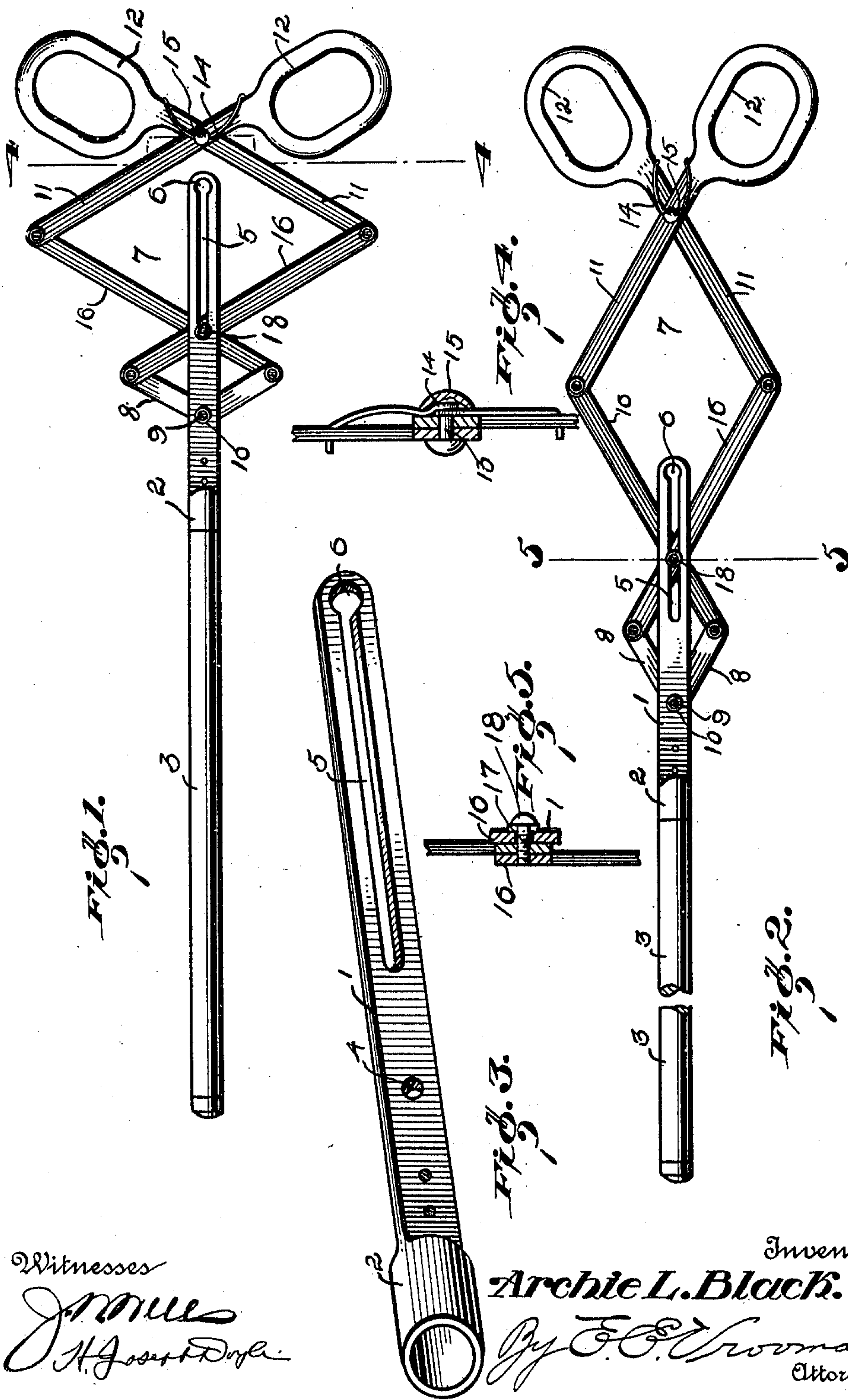


A. L. BLACK.  
 BILLIARD CUE.  
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990,098.

Patented Apr. 18, 1911.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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BILLIARD-CUE.

990,098.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed August 12, 1910. Serial No. 576,794.

*To all whom it may concern:*

Be it known that I, ARCHIE LIVINUS BLACK, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Billiard-Cues, of which the following is a specification.

This invention relates to billiard cues, and the principal object of the same is to provide a novel attachment therefor by means of which the cue can be operated to properly strike the cue ball, said attachment being adapted to be attached to or detached from a cue, and also providing a structure which can be contracted into a small compass.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure 1 is a plan view of the improved cue attachment, shown in retracted position. Fig. 2 is a similar view, the attachment being shown projected. Fig. 3 is a detail perspective view of the supporting bar of the attachment, and the end socket carried thereby. Fig. 4 is a fragmentary sectional view taken on the line 4—4, Fig. 1. Fig. 5 is a similar view taken on the line 5—5, Fig. 2.

Referring to the accompanying drawings by numerals, it will be seen that the improved billiard cue attachment comprises an elongated flat supporting bar 1 which is provided at one end with an enlarged tubular socket 2 for the reception of a billiard cue 3. A pivot opening 4 is formed transversely through the bar 1 adjacent the socket 2. The outer portion of bar 1 is provided with an elongated longitudinal guide slot 5, the outer end of said slot terminating in an enlarged and preferably circular opening 6.

Lazy tongs 7 are employed for projecting and retracting the bar 1, the inner links 8 thereof having their inner ends pivotally connected by the pivot bolt 9. Said bolt 9 also extends through opening 4 of bar 1 and is fastened therein by the nut 10. The outer links 11 terminate in finger loops 12, and said links are held in pivotal crossing relation by the pivot stud 13. Said stud projects beyond said links and has the central portion of a spring 14 wound thereon, the ends of

said spring diverging and engaging the outer end portions of links 11 and exerting a constant pressure thereon tending to force said links apart to contract the lazy tongs 7 and thereby retract the bar 1. The end of the portion of stud 13 that carries the spring 14 is upset to provide a housing 15 that holds said spring to said stud. The intermediate links 16 of the lazy tongs are pivotally connected by the stud 17. Said stud 17 projects beyond the links and is provided with a head 18 that is larger than guide slot 5 and is passed through the end opening 6 of the guide slot 5, and holds the projected portion of said stud in said slot 5.

In assembling the attachment, the head 18 of stud 17 is passed through opening 6 of slot 5 so that the projecting portion of said stud can be placed in slot 5.

In operation, one hand is used for steadying and guiding the cue 3, and the other hand used for expanding the lazy tongs to project the said cue. The expanding of the lazy tongs is against the tension of spring 14 and when the pressure is released from the outer ends of the tongs, said spring automatically contracts the tongs and thereby retracts the cue.

It will be seen from the foregoing that this invention provides means whereby the inner ends of the lazy tongs are pivotally connected to the bar 1, means whereby the intermediate portions of said tongs are slidably connected to said bars and also means by which said slidable connection is made, means for automatically actuating the tongs to retract the cue, and means whereby the automatically actuating means are prevented from becoming accidentally displaced from the tongs.

What I claim as my invention is:—

1. A device of the character described comprising an elongated flat cue support provided with an enlarged longitudinally extending tubular cue socket at one end and a longitudinal slot on the other end portion, and lazy tongs having a pivotal connection with said support and a slidable connection with said slot to project and retract said support.

2. A device of the class described comprising a cue support provided with a cue-receiving socket at one end and a guide slot in the other end portion, lazy tongs, means for pivotally connecting the inner ends thereof to said support, means for slidably en-



gaging the intermediate portion of said tongs to said slot, and means carried by the outer ends of said tongs for automatically contracting the same.

5 3. A device of the character described comprising a cue support provided with a longitudinal slot, said slot terminating in an enlarged end opening, lazy tongs pivotally connected to said support, and a pivot  
10 stud carried by said tongs and provided with a projecting shank for slidably engaging said slot and an enlarged head for holding said shank to said slot.

15 4. A device of the character described comprising a cue support, lazy tongs slidably and pivotally connected thereto, a pivot stud connecting the outer links of said tongs, a spring coiled about said stud and exerting a pressure on said links tending to contract

said tongs, and means carried by said links 20 adapted to be manually operated to expand said tongs against the pressure of said spring.

5. A device of the character described comprising lazy tongs, a pivot stud connect- 25 ing the outer links thereof, a spring carried by said stud and exerting a pressure on said links to contract said tongs, said stud having its end provided with means for holding the spring thereon, and a cue support carried 30 by said tongs.

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

ARCHIE LIVINUS BLACK.

Witnesses:

H. C. SCHROEDER,  
F. P. SCHROEDER.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

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