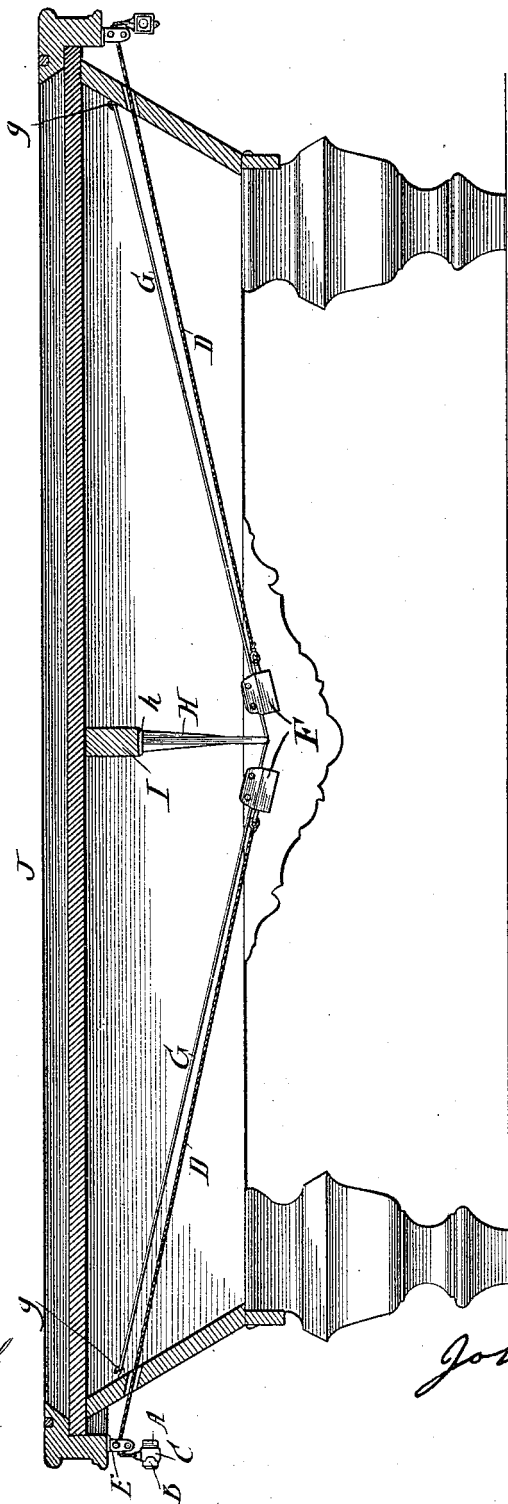


J. W. KLAPPERICH.
CUE TIP SHAPER AND CHALK HOLDER.

No. 451,938.

Patented May 12, 1891.

Fig. 1.



Witnesses:
Fred Seibach
O. W. Bond

Fig. 3.

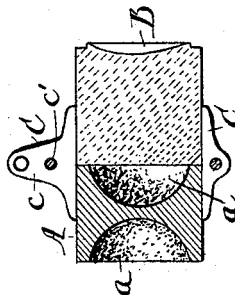
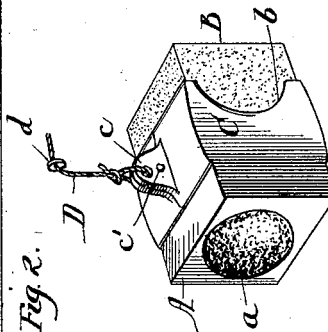


Fig. 2.



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 4.

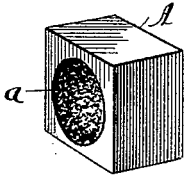


Fig. 5.

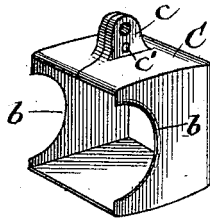


Fig. 6.

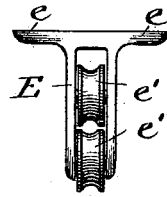


Fig. 7.

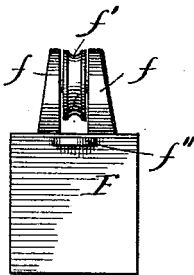


Fig. 8.

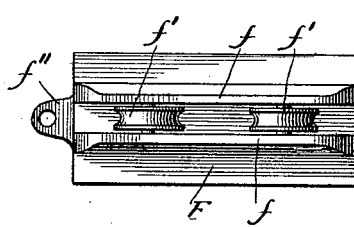
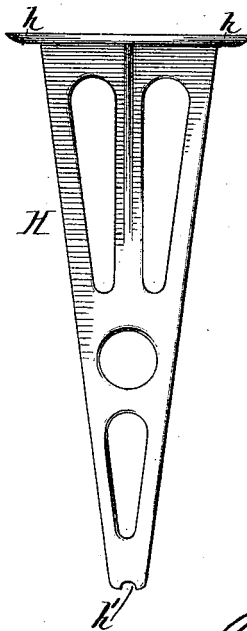


Fig. 9.



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UNITED STATES PATENT OFFICE.

JOHN W. KLAPPERICH, OF CHICAGO, ILLINOIS.

CUE-TIP SHAPER AND CHALK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 451,988, dated May 12, 1891.

Application filed June 12, 1890. Serial No. 355,257. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. KLAPPERICH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cue-Tip Shapers and Chalk-Holders; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, forming a part hereof, in which—

Figure 1 is a longitudinal section of a billiard-table, showing the invention applied thereto. Fig. 2 is a perspective view of the cue-shaper and chalk-holder. Fig. 3 is a sectional elevation of the cue-shaper and chalk-holder. Fig. 4 is a perspective view of the cue-shaper. Fig. 5 is a perspective view of the clasp for the cue-shaper and the chalk. Fig. 6 is an edge view of the bracket for the cord of the clasp and weight. Fig. 7 is an end view of the weight. Fig. 8 is a top or plan view of the weight. Fig. 9 is a side elevation of the bridge for the track or wire of the weight.

The object of this invention is to construct a cheap, simple, and effective shaper for dressing and softening the tips of billiard-cues and a holder for receiving and retaining the chalk, and have the device in position for use either drawing it out from under the edge of the table, and when used have it automatically return to where it will be out of the way and at the same time readily accessible for its next use, whether on the tip or for chalking; and its nature consists in providing a clasp receiving on opposite sides a cue-tip shaper and a cue-chalk and consisting of two half-sections, each having a central portion forming by their walls an opening common to both the shaper and the chalk-holder, with ears and adjusting-screws at the ends, and in providing a clasp for a cue-chalk carried by a cord, a hanger with grooved wheels for the cord, and a weight attached to the cord, and having carrying-wheels traveling on an inclined track located beneath the table for suspending and returning the chalk, and permitting the chalk to be drawn out for use.

In the drawings, A represents the tip-shaper, formed of a block of wood or other suitable material, having on each side a concavity *a*, the surface of which is sanded or otherwise prepared to have a face to act on the cue-tip for the purpose of dressing and softening the tip. This block A can be rectangular in cross-section, as shown, or hexagonal, circular, oval, or other shape, and one side only can be provided with the concavity *a*, but by having both sides with a concavity *a* when one is worn out the block can be reversed and the other side used till worn out, and when the block is worn out it can be replaced by a new block or the concavity or concavities can be resanded. It is also evident that the block A could be a cube, and in such case the six sides could each have a concavity *a*.

B is a piece of chalk, such as generally used for chalking billiard-cues.

C is a clasp formed of two sections or halves, each of which has a half-opening, which, when the clasp is together, form a full opening corresponding in shape to the block A and the chalk B and into which the block A and chalk B are entered and clamped. Each section or half of the clasp C has on two sides an ear *c*, through which ears set-screws *c'* pass for locking the clasp C together and clamping the block A and chalk B therein, and two opposite edges of the clasp on the chalk-receiving side are cut out to form openings *b*, which enable the chalk to be used in chalking the sides of the cue after the chalk has worn down flush with the face of the clasp C.

D is a string or cord carrying the clasp C and to which the clasp is attached by tying the cord D in the ears *c* on one side of the clasp or in any other suitable manner.

E is a bracket or hanger having a flange or ears *e* with holes for the passage of screws for attaching the hanger to the billiard-table, and this hanger, as shown, carries two grooved wheels *e'*, between which the cord D runs, and in order to prevent the clasp C from striking the hanger on its return a stop *d* is located on the cord D, which stop will engage the hanger E and prevent the chalk from striking and being broken, and this stop is so located as to hold the clasp clear of the hanger D and the table and allow the clasp

to swing free and in position to be readily caught for use.

F is a weight for returning the clasp C after using either the shaper A or the chalk B.
 5 This weight has on one side ears *f*, between which are located grooved carrying-wheels *f'*, and has on one end an ear *f''*, to which is tied or otherwise secured the end of the cord D.

G is a rail or a track on which the weight F
 10 travels, which track can be a single piece of wire running from end to end of the table and attached at its ends by screws *g* or in any other suitable manner, and the weight F is mounted on the rail or track G by the
 15 wheels *f''*, which wheels travel or run on the track and are held thereon by the grooves.

H is a bridge for holding the rail or track G and giving it the required inclination for the return of the weight F automatically.

20 This bridge has at one end a flange or ears *h*, through which screws pass for attaching the bridge to the under side of the table, and its other end has a notch *h'* to receive the rail or track G, and, as shown, the rail or track
 25 runs longitudinally of the table and the bridge H is located at the center of the table, forming a track at each end of the table.

I is a support or cross-piece of the table to which the bridge H is attached.

30 J is an ordinary billiard-table.

The bridge H is attached to the under side of the table and the rail or track G stretched thereover and attached to the table at its ends. The bracket or hanger E is attached under the edge of the table. The weight F is
 35 mounted on the rail or track G. The cord D is attached at one end to the weight F, and the other end is drawn between the grooved wheels *e'*, and the clasp C, with the shaper A
 40 and chalk B therein, is attached to the end of the cord, and the device is then ready for use.

In use the clasp C is drawn out, and the shaper A applied to the cue-tip, or the chalk
 45 B applied, as desired, and when the neces-

sary application is had the clasp is released and will be returned to its normal position by the weight F ready for the next use. The shaper is used by inserting the tip in the concavity *a* and turning the shaper as desired
 50 to dress and soften the tip.

The device is very simple and at the same time will do the required work in an efficient and reliable manner. It can be applied to
 55 billiard-tables now in use without any changing of the table, and when applied will be out of the way and at the same time readily and easily accessible for use, and when not in use it will be suspended out of the way, where it cannot be readily disturbed and
 60 where it will do no injury, and when the shaper or the chalk is worn out it can be readily replaced, as all that is required is to loosen the clasp C and remove the shaper or chalk and
 65 insert a new shaper or a new piece of chalk, and then tighten up the clasp.

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

1. A clasp C, receiving and holding on opposite sides a cue-shaper and a cue-chalk, consisting of two half-sections, each having a
 70 central portion, which form by their walls an opening common to a cue-shaper and a chalk, and each having at the ends an ear *c* and an adjusting-screw *c'*, substantially as and for the
 75 purpose specified.

2. A clasp for a billiard-cue chalk, and a cord D, carrying the clasp, in combination with a hanger E, attached under the edge of a billiard-table and having grooved wheels
 80 *e'*, receiving and guiding the cord D, traveling weight F, attached to the cord D and having grooved carrying-wheels *f'*, and an inclined track G, located beneath a billiard-table and receiving the wheels *f'*, substan-
 85 tially as and for the purposes specified.

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Witnesses:

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S. E. HURLBUT.