A. E. HAASE.

POCKET IRON FOR POOL AND BILLIARD TABLES.

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Fig. 1.

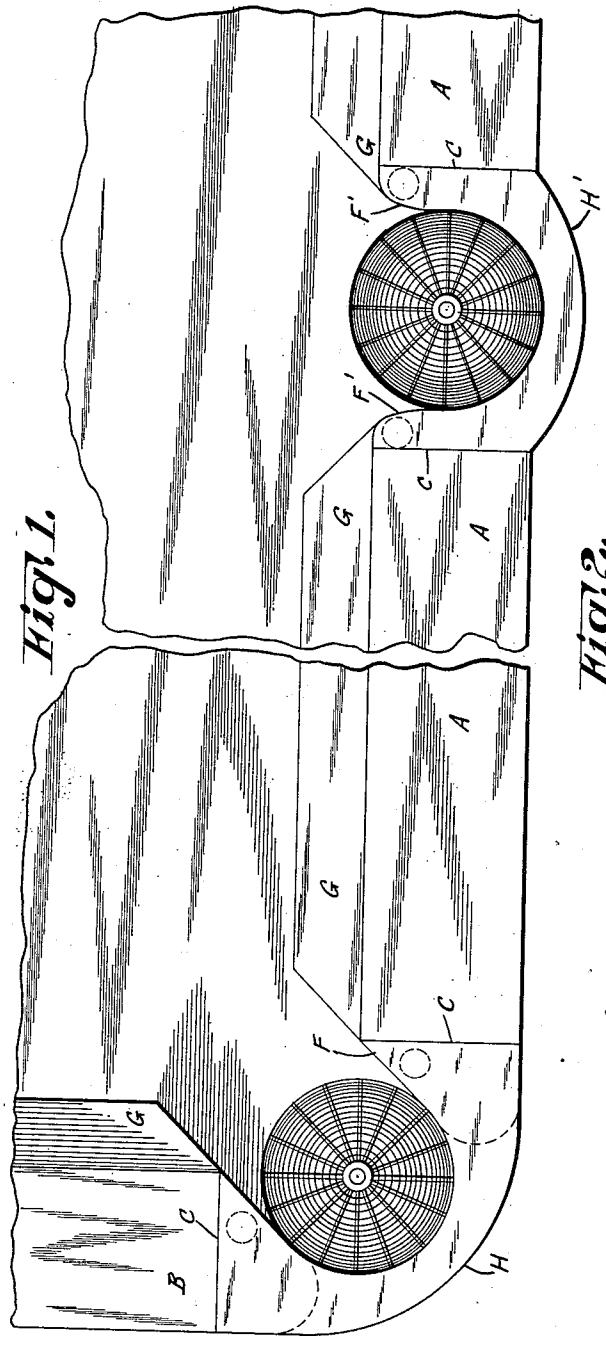
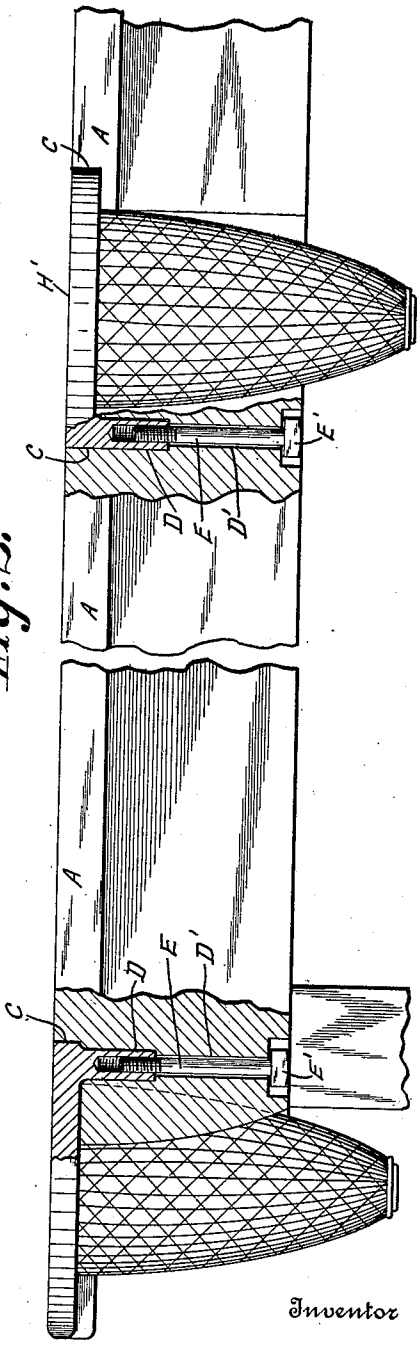


Fig. 2.



Witnesses

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POCKET-IRON FOR POOL AND BILLIARD TABLES.

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To all whom it may concern:

Be it known that I, AUGUST E. HAASE, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Pocket-Irons for Pool and Billiard Tables, of which the following is a specification.

My invention relates to improvements in pocket irons for pool and billiard tables. Heretofore it has been customary to either mortise the extremities of such irons into the border rails at the sides and ends of the table, or to provide the irons with axially projecting studs fitted to holes in the ends of these border rails. Both of these methods entail considerable expense and the connection frequently becomes loose, whereupon the wood soon becomes worn and split, thus seriously damaging the table.

The object of my invention is to provide a form of iron which can be fitted to a simple rabbet, extending entirely across the end of the border rail, whereby the metal bears upon a solid wide base with its end margin only abutting the wood and crossing the grain of the wood where it has been cut to from the rabbet. Also to provide means whereby such an iron may be securely bound in position, forming at the corners of the table a continuous metallic extension connecting the side and end border rails along a curved line with the upper surface of the metal portion in the same plane with the upper surfaces of the respective border rails, the pocket irons of intermediate pockets being similarly formed and rabbeted into the wood of the side rail sections with their upper surfaces in the same plane with the upper surfaces of said side rails.

In the drawings—Figure 1 is a plan view showing portions of the connected border rail sections of a pool table to which my invention has been applied. Fig. 2 is a side elevation of the same, partially broken away to show the means for clamping the pocket irons in position.

Like parts are identified by the same reference characters throughout both views.

In the drawings, A represents side border rail sections, and B an end border rail of a billiard or pool table. These rails, adjacent to the pocket, are cut transversely along the lines C to a depth equal to the thickness of the pocket iron, and the wood is then removed between the line C of the transverse cut and the adjacent end of each border rail section, thus forming a rabbet. A hole is then bored downwardly into the wood of the section near the inner end of the rabbet to receive a downwardly projecting stud D on the pocket iron. A smaller hole D′ is then bored vertically through the border rail from the bottom of the hole which receives the stud D, and a clamping bolt E is passed upwardly through the hole D′ and screwed into a threaded socket formed in the stud D, as shown in Fig. 2. The head E′ of the bolt is preferably countersunk in the lower margin of the border rail to conceal it from view.

The pocket irons used at the corners are in the form of an elbow having a straight edged extremity at each end adapted to fit against the wood along the line C, where the wood has been cut to form the rabbet. The extremity of the corner iron is of a width equal to the width of the border rail, and its inner margin F near the extremity extends at an angle which is a tangent to the pocket circle and forms the side of the ball runway leading to the pocket. The downwardly projecting studs D are preferably located in the angle between the end margin and this angular inner margin F, thus providing for clamping these corner irons to the rails near the inner margins of the latter. The cushions G will, of course, have their extremities beveled in line with the margins F of the pocket irons. The central portions of the pocket irons will have circular margins, the inner margin conforming to the pocket circle and the outer margin H of the corner pocket irons extending in an elbow curve connecting the outer margins of the border rails A and B. The pocket irons for the side pockets are similarly formed and connected with the border rail sections, but the inner margins F′ of these irons are preferably rounded to provide the usual form of ball runway at the pocket, and the outer margins H′ of these irons project beyond the outer margins of the rails in the usual manner. The extremities of these pocket irons are, however, rabbeted into the wood of the side rails and extend completely across said side rails in a manner similar to that above described with reference to the corner pocket irons. Owing to the width of the straight edged extremities

of the pocket irons and the length of the downwardly projecting studs D, these pocket irons will rigidly retain their position independently of the clamping bolt.

I claim—

1. A pocket iron for a pool and billiard table, having a curved pocket inclosing portion extended at each end and enlarged laterally with the outer margin of the extensions coinciding with those of the respective border rails and the inner margins of said extensions coinciding substantially with the inner margins of the border rails, said extensions being adapted to be rabbeted into the end portions of the border rails, and having downwardly projecting socketed studs adapted to fit vertical bores in the border rails, substantially as described.

2. In a pool and billiard table, the combination with cushions and border rails having their upper surfaces cut across near their ends and provided with a shallow rabbet, and also having a hole extending vertically through the rabbeted portion of the rail, a corner pocket iron having extremities fitted to the rabbeted portions of said rails and filling said rabbets, said corner irons being provided with downwardly projecting socketed studs engaged in said vertical bores and clamping bolts extending upwardly through said bores and having threaded engagement in the stud sockets, and the extremities of said irons having outer margins alined with the outer margins of the respective border rails on each side of the corner, and inner margins coinciding with the inner margins of such border rails and alined with the extremities of the cushions, substantially as described.

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

AUGUST E. HAASE.

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