(No Model.)

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BILLIARD TABLE LEVELER.

No. 287,913. Patented Nov. 6, 1883.

Fig. 1.

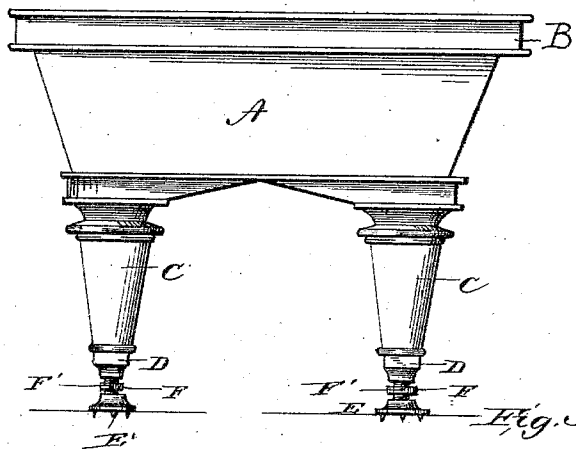


Fig. 2.

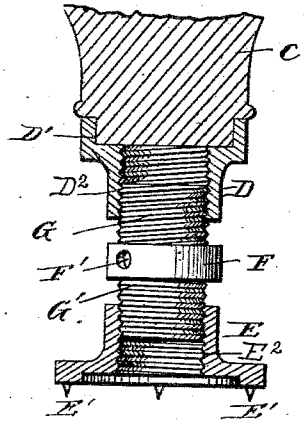


Fig. 3.

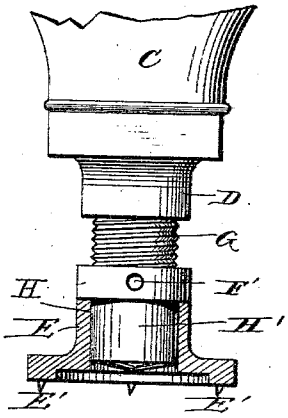


Fig. 5

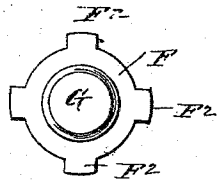
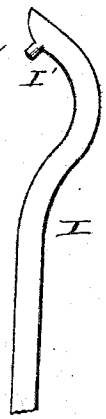


Fig. 4.



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UNITED STATES PATENT OFFICE.

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BILLIARD-TABLE LEVELER.

SPECIFICATION forming part of Letters Patent No. 287,913, dated November 6, 1883.

Application filed July 16, 1883. (No model.)

To all whom it may concern:

Be it known that we, WM. M. DAWSON, ROBERT A. SIMPSON, and LEONARD S. LONGCOR, citizens of the United States, residing at Belvidere, in the county of Boone and State of Illinois, have invented certain new and useful Improvements in a Device for Billiard-Table Legs, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to a device for leveling billiard and other tables; and it consists in the parts which will be hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 represents an end view of a billiard-table provided with our improvement. Fig. 2 is a central vertical section of a leg provided with the device. Fig. 3 also represents a central vertical section, but in a modified form, the lower plug and socket in this view being smooth. Fig. 4 is one form of a wrench adapted to engage the shoulder on the screw-plug, whereby the table may be raised or lowered. Fig. 5 is a plan view of a modification of the screw-shoulder. In this view lugs are shown projecting from the shoulder.

Like letters indicate like parts throughout the several views.

A represents the body of the billiard-table, and B the rail thereof.

C is the leg upon which the body A rests.

D is a socket having inside threads.

D′ is a smooth socket in the upper side of the device, in which the foot of the leg C rests.

E is the bottom section or foot. Said section is provided with inside threads, E^2.

E′ are spurs on the under side of foot E, to prevent said foot from slipping or turning upon the floor.

G and G′ are right and left hand screw-plugs, and F is a shoulder between said plugs. F′ are openings in said shoulder adapted to receive the pin I′ on wrench I. The plugs G G′ and shoulder F are formed integral. The openings or sockets D^2 and E^2 in the parts D E are provided with right and left hand threads, respectively, which are adapted to receive the threaded plugs G G′.

F^2, Fig. 5, are small lugs on shoulder F. In using this form of shoulder another style of wrench is required from that shown in Fig. 4.

H, Fig. 3, is a modified form of our invention, in that it shows a smooth lower socket in section E.

H′ is a smooth socket-plug, formed integral with the shoulder F and threaded upper plug, G.

Our invention has for its object a device which may be easily adjusted vertically, whereby a billiard or pool table may be quickly leveled. It is essential to the successful working of tables of this class that they be level at all times, and considerable care is necessary to maintain them in that condition, owing to the displacement of the feet of the tables or the sagging of the floor upon which said feet rest. The sagging of the floor is effected by the weight of the table, and it then becomes necessary to "block up" the legs in order to bring the top surface to a level. In raising a table to insert blocks under its feet, the marble top is liable to be injured unless extraordinary care is exercised, and when the blocks are properly adjusted (which is a very difficult matter) they are unsightly and liable to be displaced.

By the use of our improvement an ornamental device is presented which is susceptible of nice and safe adjustment, the only tool required to operate the device being a wrench adapted to turn the collar F. It is obvious that various forms of said collar may be used. It may be square, or have lugs, as shown, or it may be provided with openings, as shown in Figs. 1 and 2. The wrench, of course, must conform to the style of the collar.

The foot E may be secured to the floor by screws or nails by making suitable openings in said foot, in which event the spurs E′ may be dispensed with; but the spurs are preferred.

Having thus described our invention and set forth its advantages, we claim as new and desire to secure by Letters Patent—

In a billiard-table leveler, an upper and lower block having threaded sockets, as specified, the upper block being provided with a socket, D′, for the reception of the table-leg, in combination with the threaded plug, substantially as described, and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WM. M. DAWSON.
ROBT. A. SIMPSON.
LEONARD S. LONGCOR.

Witnesses:
WALES W. WOOD,
J. E. FORREST.