

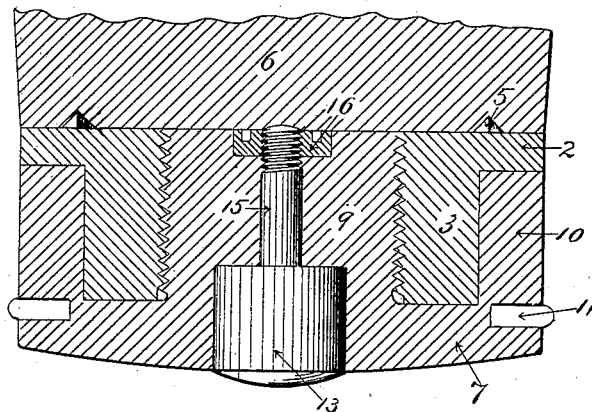
(No Model.)

J. F. CONLEY.  
BILLIARD TABLE LEVELER.

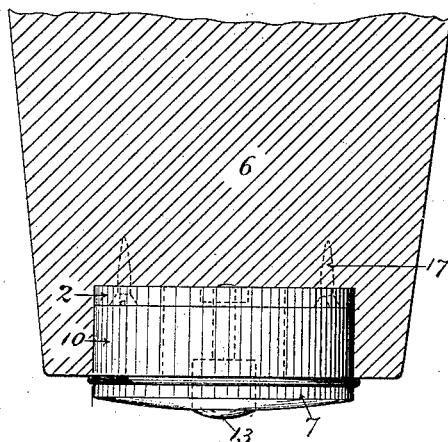
No. 342,331.

Patented May 25, 1886.

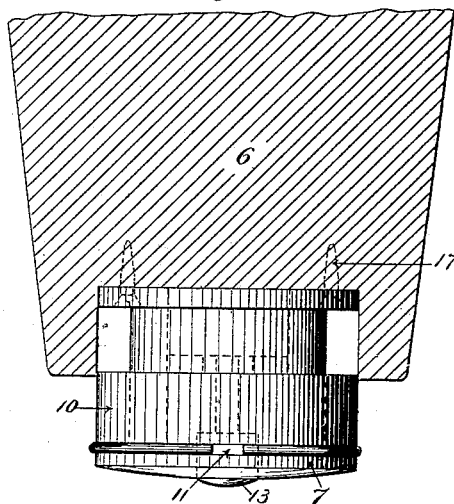
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses*

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*att.*

# UNITED STATES PATENT OFFICE.

JOSEPH F. CONLEY, OF MINNEAPOLIS, MINNESOTA.

## BILLIARD-TABLE LEVELER.

SPECIFICATION forming part of Letters Patent No. 342,331, dated May 25, 1886.

Application filed February 27, 1886. Serial No. 193,421. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH F. CONLEY, of Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain Improvements in Billiard - Table Levelers, of which the following is a specification.

My invention relates to an improvement in billiard-table levelers; and the object I have in view is to provide a device to be applied to the bottom of the legs, whereby any necessary adjustment may be made to bring the table-top to a dead-level.

My invention consists, generally, in the combinations and arrangement hereinafter described, and particularly pointed out in the claims.

In the drawings which form part of this specification, Figure 1 is a vertical section of my improvement, showing it placed under the lower surface of the leg. Fig. 2 is a partial section showing my improved device let into a recess in the end of the leg. Fig. 3 represents the same in an elongated position.

2 represents the upper plate, made preferably of the form shown in Fig. 1, having the collar 3, provided with an internally-threaded opening. This plate is also preferably provided with two or more spurs or projections, 5, which extend into the under surface of the leg 6, to prevent the flange from turning.

7 represents a cap or cover, provided with the central hub, 9, having a screw-thread upon its outer surface, which fits the opening in the collar 3. The outer rim, 10, of this cap fits closely around the outside of the collar 3. The cap 7 is also provided with the openings 11, into which a spanner-wrench is inserted for the purpose of raising or lowering the cap.

13 represents a friction-block, which is let into the cap 7 and held loosely therein by means of the spindle 15 and nut 16. The lower surface of the block is preferably convex, in order to present less resistance to the turning of the cap 7. A caster or other similar device may take the place of this block, if desired.

In Fig. 2 the leg 6 is recessed to receive the flange 2, in which case I provide the screws 17, by which the device is secured within the recess, and forms a permanent attachment for the leg. The bottom of the convex block forms the bearing-point for the leg, and the cap may therefore be readily and easily turned by inserting a suitable tool into one of the re-

cesses 11. The screw is at all times entirely covered and protected by the outer rim, 10, which keeps dust, dirt, and water from getting thereon. This device makes a firm and solid foot for the table, besides being a very desirable means for leveling the top. As shown in Fig. 1, it may be readily placed under the legs of any billiard-table, the weight of the table causing the spurs to become indented into the bottom of the leg, which keeps the device in place. The spurs and screws may both be used, or either may be used alone.

The device is preferably formed of cast metal, which may be finished by nickel-plating, or in any other suitable way to give the device an ornamental appearance.

I have described this appliance as particularly adapted to billiard-tables; but it may also be used to advantage with other tables, pianos, or any other furniture where leveling is desirable, or where it is necessary to adapt the length of the leg to any inequalities in the floor.

I am aware that a billiard-table leveler has been made of a plate fitting against the base of the leg, and formed with a threaded thimble fitting up in a socket in the leg, and a threaded shank screwing into said thimble, and having a knob at its base, with a hand-wheel for turning the shank, so that by screwing or unscrewing the shank the table is leveled.

I claim as my invention—

1. The combination, in a billiard-table leveler, of the plate 2, having an internally-screw-threaded portion, 3, plate 7, having upwardly-extending screw 9, fitting within said portion 3, the convex bearing-block 13, having spindle 15, passing through screw 9, and nut 16, applied to the end of said spindle, substantially as described.

2. The combination, in a billiard-table leveler, of the plate 2, having the spurs 5, and having the internally-threaded collar 3, the cover 7, having the rim 10 and the threaded hub 9, the convex bearing-block 13 in the bottom of said cover, the spindle 15, and nut 16, all substantially as described.

In testimony whereof I have hereunto set my hand this 24th day of February, 1886.

JOSEPH F. CONLEY.

Witnesses:

A. C. PAUL,  
R. H. SANFORD.