(No Model.)

O. F. HOOVER.

BILLIARD TABLE ADJUSTER AND LEVELER.

No. 252,378. Patented Jan. 17, 1882.

Fig. 1.

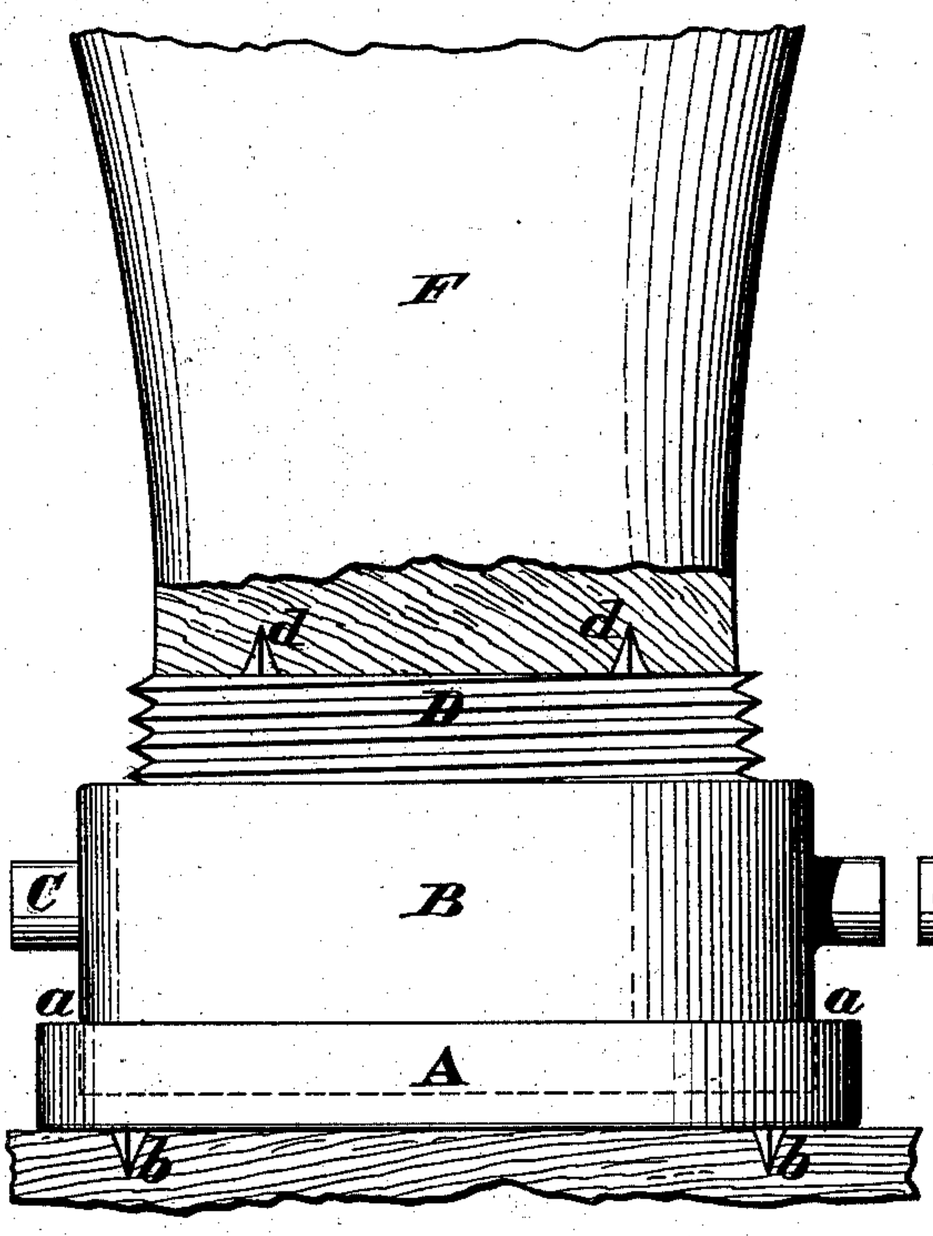


Fig. 2.

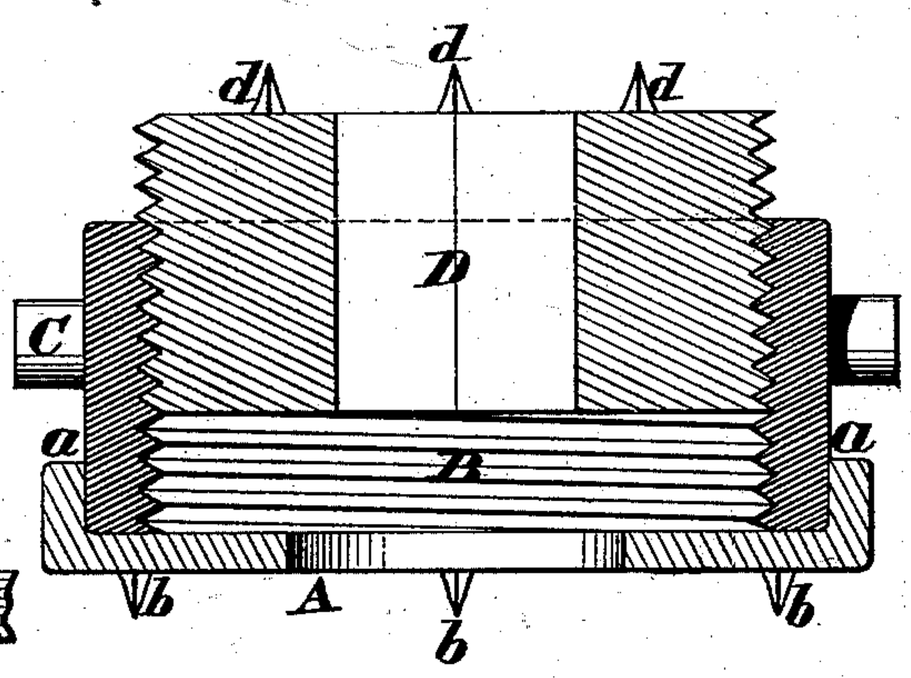


Fig. 3.

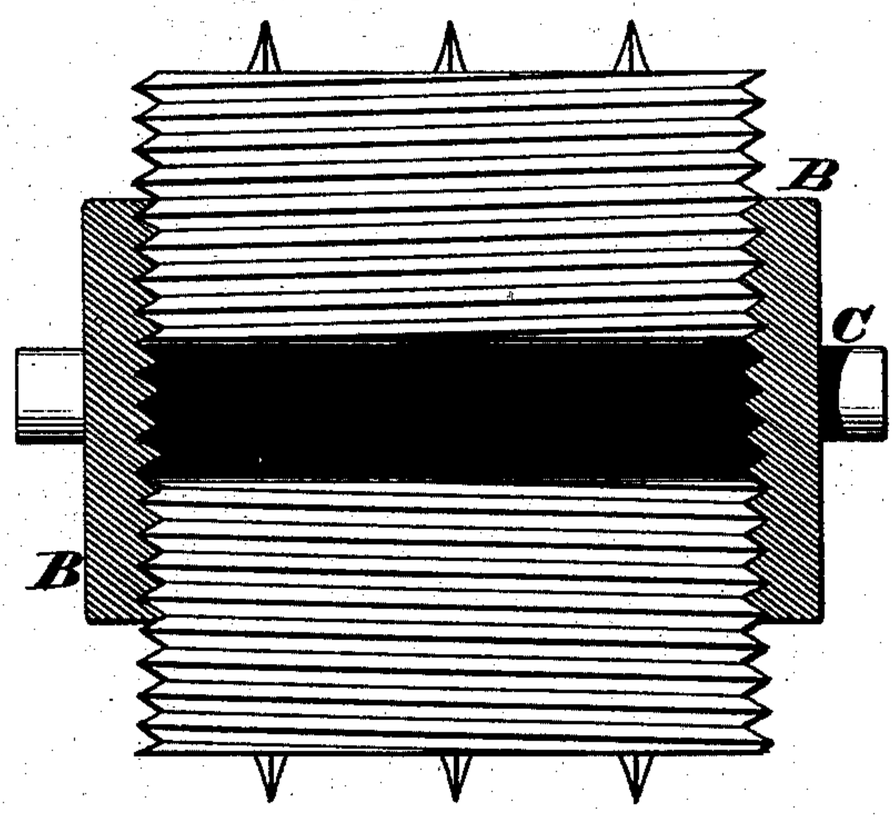
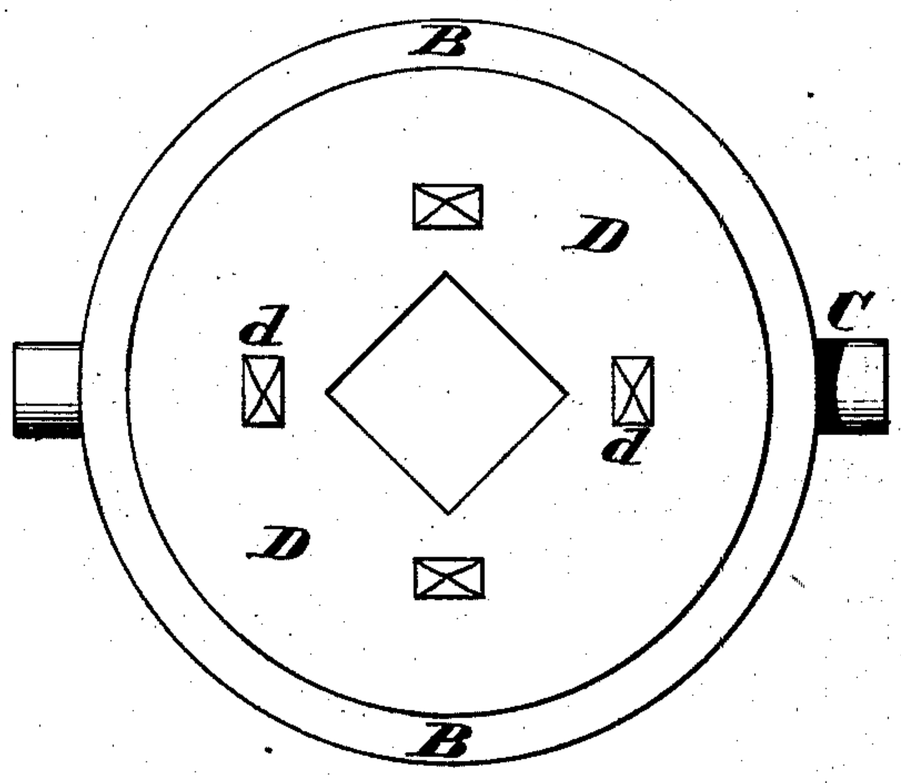


Fig. 4.



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UNITED STATES PATENT OFFICE.

OLIVER F. HOOVER, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF TO JOHN D. ARRAS, OF SAME PLACE.

BILLIARD-TABLE ADJUSTER AND LEVELER.

SPECIFICATION forming part of Letters Patent No. 252,378, dated January 17, 1882.

Application filed May 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, OLIVER F. HOOVER, of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Billiard-Table Adjuster and Leveler; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improvement in levelers and adjusters for billiard and other tables.

My object is to provide an improved device to be applied to the legs of a billiard or other table, whereby the same may be adjusted up or down and may be leveled in any required position of its adjustment.

The novelty consists in the construction of the device, as will be herewith set forth and specifically claimed.

In the accompanying drawings, Figure 1 represents my improved device as applied to the leg of a billiard-table. Fig. 2 is an enlarged central sectional view of the same in side elevation. Fig. 3 is a corresponding view of a modification of the construction. Fig. 4 is a plan view of Fig. 3.

A represents an annular metal disk, having an upwardly-extending peripheral flange, *a*, and having sharpened teats or pins *b* projecting from its lower side. This forms the base of my device and rests upon the floor directly under the table-leg, and is prevented from turning by the pins before mentioned, which enter the wood of the floor. Resting upon this base, and held from slipping off by the flange *a*, is a cylindrical adjusting-nut, B, threaded interiorly and provided with laterally-extending lugs or ears C, to which a spanner or other wrench may be applied. Fitted into this nut is a threaded plug or cylinder, D, whose upper face is provided with pins or teats *d* similar to those upon the base A, and which are adapted to enter and engage with the foot of the table-leg F and prevent the piece D from turning. These three pieces, united as described, constitute the device, and one is applied to each leg of the table. The size and exterior ornamentation is immaterial and may be varied to suit the character or requirements of the table. A table thus supplied can be adjusted up or down and can be leveled by applying a spanner or other wrench to the nut B and turning it. This turning of the nut causes the piece C, and with it the table, to be raised or lowered, as the case may be.

Instead of applying the device to the foot of the table-leg, it is obvious that it may be placed between the bed of the table and the tops of the legs, though in such case more secure fastenings than the pins *b* and *d* might be required. Again, the base-piece A, instead of being at the bottom, might be at the top of the device. Another equivalent modification is that shown in Fig. 3, where the base A is dispensed with and the piece C is divided into two parts, one of which works up and the other down upon turning the nut B by reason of right and left threads, as will be readily understood.

The above constitutes a very simple and efficient device for the purpose stated, and by making the pitch of the screws slight very heavy tables can be easily adjusted and leveled.

I am aware that table-levelers have been proposed constructed of but two parts—a screw and adjusting-nut; but such devices are objectionable, in that either the table-leg or the floor has to serve as a bearing for one of the turning parts, and great wear will be occasioned either to the floor or carpet or to the table-foot. With my construction, however, this objection is removed, for stationary bearings are provided both above and below the adjusting-nut, and a much more durable and efficient device is produced.

Having thus fully described my invention, I claim—

The herein-described adjusting and leveling device for billiard and other tables, consisting of the exterior rotating adjusting-nut and contained upper and lower bearing-plugs, which do not rotate, and the one of which is attached to the floor and the other to the table-leg, substantially as described.

In testimony whereof I have hereunto set my hand.

OLIVER F. HOOVER.

Witnesses:

PATRICK H. GUNCKEL,

CHAS. M. PECK.