(No Model.)

J. CRAWFORD.

DEVICE FOR LEVELING TABLES.

No. 260,947. Patented July 11, 1882.

Fig. 1.

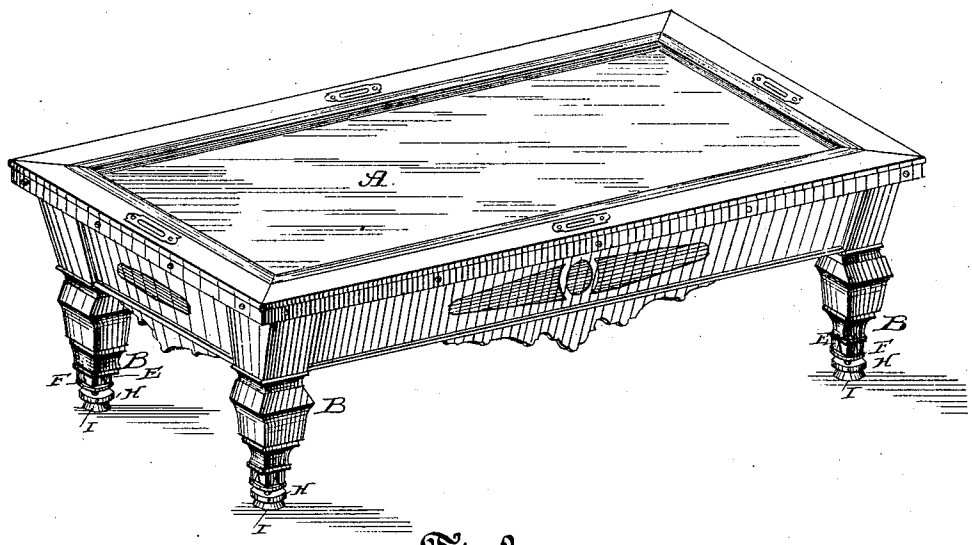


Fig. 2.

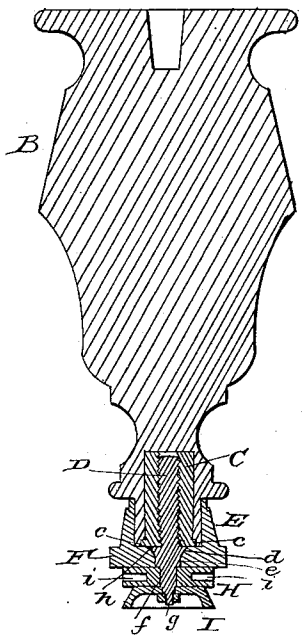


Fig. 3.

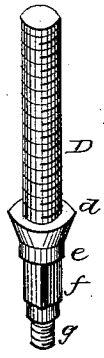
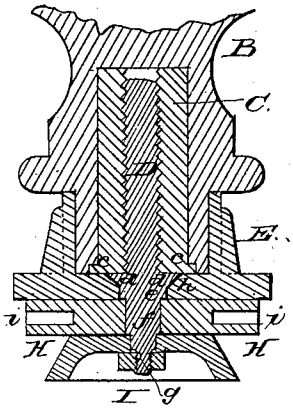


Fig. 4.



WITNESSES:

Fred. G. Dieterich.

Wm. Molfenter.

John Crawford
INVENTOR.

by Louis Bagger & Sons
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN CRAWFORD, OF PERTH AMBOY, NEW JERSEY.

DEVICE FOR LEVELING TABLES.

SPECIFICATION forming part of Letters Patent No. 260,947, dated July 11, 1882.

Application filed May 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN CRAWFORD, of Perth Amboy, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Devices for Leveling Tables; 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 appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a billiard-table provided with my improvement. Fig. 2 is a vertical sectional view of one of the legs of the same. Fig. 3 is a perspective detail view of the adjustable screw; and Fig. 4 is a sectional view, on an enlarged scale, of the cap with its screw and other appurtenances.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to devices for leveling tables, more especially billiard-tables; and it consists in the combination, with the legs or supports of the table, of a sliding cap, a screw, and means for operating the same, substantially as hereinafter more fully described and claimed.

In the accompanying drawings I have shown this device applied to a billiard-table, A, into each of the legs B of which is inserted a screw-threaded socket, C, with a flange, *c*. In this socket works a screw, D, the lower end of which has a projecting flange or collar, *d*, below which is a circular step or shoulder, *e*, a square section, *f*, and a screw-threaded tap, *g*. Upon the lower squared and tenoned end, *b*, of the leg is placed a square cap, E, which has a circular centrally-perforated bottom plate, F. The central aperture, *h*, is made with a sloping or beveled edge on the inner side, to fit the beveled or rounded under side of the projecting flange or collar *d* of screw D, as shown more clearly in Fig. 4 of the drawings. Shoulder *e* of the screw projects into the aperture *h*, so that the screw will readily turn in the cap, the squared section *f* projecting down below it. Upon this squared section is fitted a circular disk, H, the edge of which has a series of holes, *i i*, and which in turn rests upon the cup-shaped bearing-plate or shoe I, through a central hole in which the threaded tap *g* projects and holds the shoe in place by a nut, G.

The operation of the device is as follows: By turning the disk H, which may easily be done by inserting a punch, large nail, or a slender rod into any one of its holes *i* and working it as a lever, it will rotate the screw D in its socket, and thus either raise or lower the cap E F, which fits over the tenoned or reduced lower end, *b*, of the legs. That part of the tap *g* which projects through the concave shoe or foot-piece I is left plain or smooth to permit it to readily turn in its aperture, above the bottom nut, G, room for which is provided for by the concavity or cup-shape of the shoe. In this manner the projecting end of the screw may be lengthened or shortened at will, thus lengthening or shortening the leg to which the device is applied. Water-levels K K are placed upon the cushion-rail of the table, at both sides and ends, by which it may be observed when the table has attained a perfectly true or level position.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the flanged and threaded socket C, screw D, having the collar *d*, step or shoulder *e*, squared section, *f*, and tap *g*, cap E F, having the circular beveled aperture *h*, disk H, cup-shaped shoe I, and nut G, all constructed and combined substantially as and for the purpose herein shown and described.

2. The combination, with the legs B of a billiard or other table, of the socket C, screw D, cap E F, disk H, concave or cup-shaped shoe I, and nut G, all constructed and combined to operate substantially in the manner and for the purpose herein shown and described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN CRAWFORD.

Witnesses:
CHAS. H. HOUGHTON,
J. KEARNEY SMITH.