

(No Model.)

J. A. HUTTON & E. HUBERT.
BILLIARD TABLE.

No. 471,426.

Patented Mar. 22, 1892.

Fig. 1.

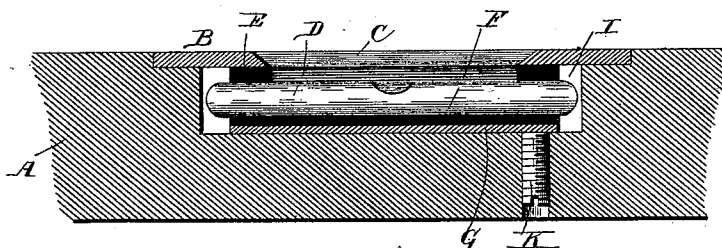
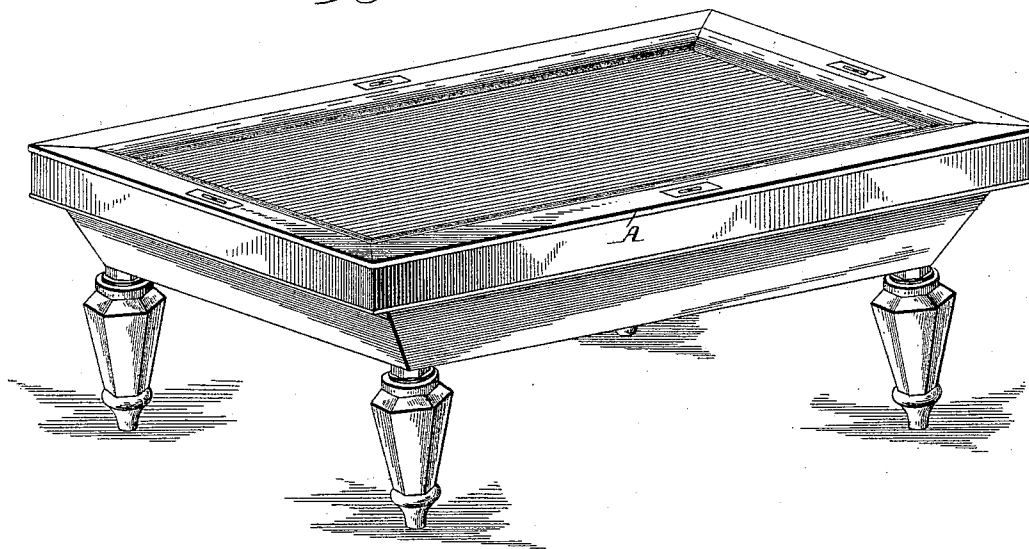


Fig. 2.

WITNESSES
J. L. Ouraud
Eug. Ant. Hill

INVENTORS
James A. Hutton & Edgar Hubert,
by Chase & Slater
Attorneys

UNITED STATES PATENT OFFICE.

JAMES ALEXANDER HUTTON AND EDGAR HUBERT, OF FORT ROBINSON,
NEBRASKA.

BILLIARD-TABLE.

SPECIFICATION forming part of Letters Patent No. 471,426, dated March 22, 1892.

Application filed November 6, 1891. Serial No. 411,076. (No model.)

To all whom it may concern:

Be it known that we, JAMES ALEXANDER HUTTON and EDGAR HUBERT, both of the United States Army, citizens of the United States, residing at Fort Robinson, in the county of Dawes, State of Nebraska, have invented certain new and useful Improvements in Billiard-Tables; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention has relation to improvements in billiard and pool tables, and has for its object a device for ascertaining at a glance whether the table is level or not; and to this end the novelty consists in providing the rail of the table with a spirit-level, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same letters refer to like parts.

Figure 1 is a view in perspective of a billiard-table provided with our invention; and Fig. 2 is a detail of the level, showing the manner in which it is applied to the rail.

A is the rail.

B is the surface plate, secured to the top of the rail and having an opening C, through which the level D is viewed, and between said plate and the level is a rubber washer E and piece of rubber F, resting upon a metal base-plate.

G forms a support for the level itself. One end of this plate G rests upon the bottom of the recess I in the rail, and the other end is supported by a screw K, let into the rail in such a manner that its head will be above the line of the bottom of the rail, so that in passing the hand along the rail it will not come in contact with the head of the screw or disturb the adjustment of the level.

In practice the rail is first leveled in the usual manner by means of an ordinary mechanic's level, and the level D is adjusted to its proper position by means of the screw K. The rail is now attached to the table, and the latter is then adjusted to correspond.

In the drawings we have shown the levels inserted in the four rails, although for all practical purposes it is only necessary to apply them to one side and end rail to accomplish the desired purpose.

It will be seen that owing to the rubber washer E, which is between the level and the surface plate B, any blow or weight upon said surface plate which might be given during the playing on the table, as by the laying of the cue thereon or the resting of a hand thereon, will not be communicated to the level but be received by said rubber, which acts as a cushion for said plate, thereby protecting the level from said blow.

Having thus fully described our invention, what we claim as new and useful, and desire to secure by Letters Patent of the United States, is—

A billiard-table having one of its side and one of its end rails provided each with a recess, a surface plate secured to the top of the rail above said recess and with an opening therein, a bearing-plate on the floor of said recess, a level in said recess, elastic cushions between said level and said bearing and surface plates, and a screw in an opening in the under side of the rail and bearing against one end of the bearing-plate, said parts being combined substantially as described.

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

JAMES ALEXANDER HUTTON.
EDGAR HUBERT.

Witnesses:

B. S. PADDOCK,
JNO. F. GUILFOGLE.