

A. HAND.
BILLIARD-TABLE.

No. 170,169.

Patented Nov. 23, 1875.

Fig: 1.

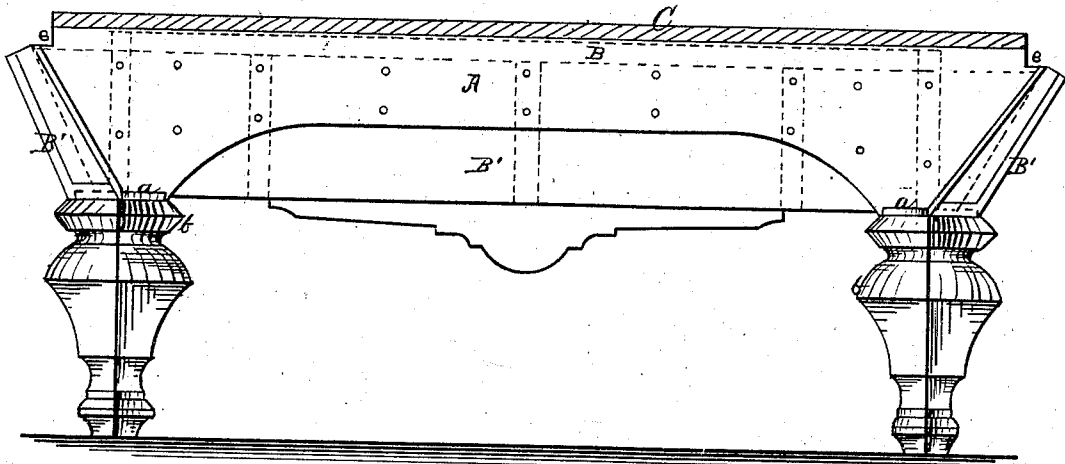
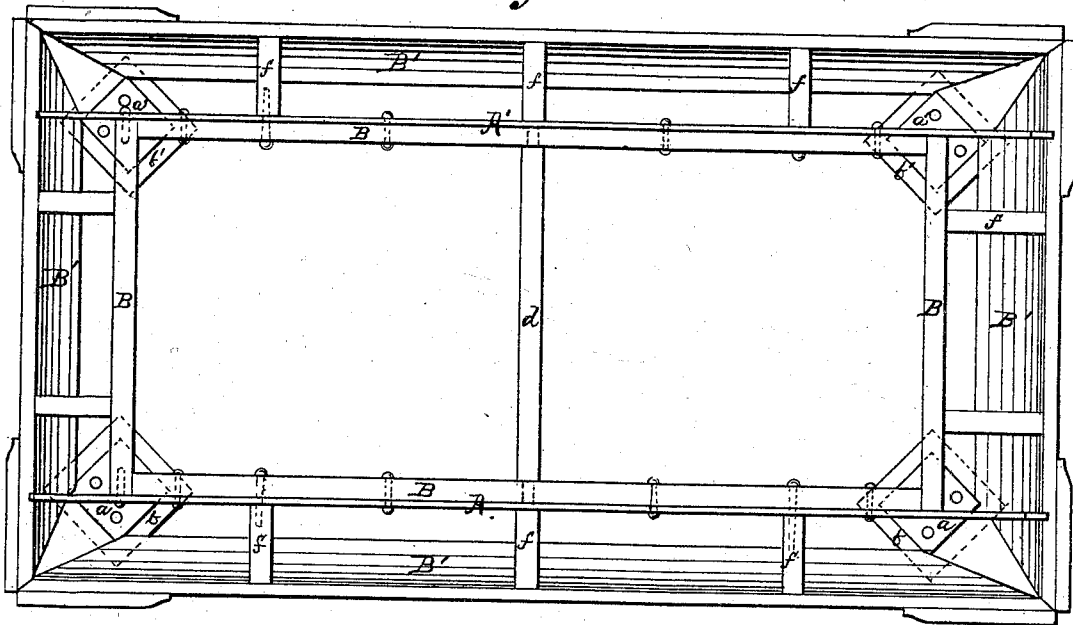


Fig: 2.



Witnesses:

Henry Eichling.
R. E. Clark

Inventor:

August Hand

By *Mich. Mich.*

His Attys.

UNITED STATES PATENT OFFICE.

AUGUST HAND, OF CLEVELAND, OHIO.

IMPROVEMENT IN BILLIARD-TABLES.

Specification forming part of Letters Patent No. **170,169**, dated November 23, 1875; application filed September 27, 1875.

To all whom it may concern:

Be it known that I, AUGUST HAND, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented an Improvement in Billiard-Tables, of which the following is a specification, reference being had to the accompanying drawings, forming part hereof.

My invention consists in two upright iron frames, having the form hereinafter particularly described, mounted upon the tops of the legs of the billiard-table, extending the length of the table on either side, and projecting upward somewhat above the wooden frame, to form supports for the stone bed of the table, whereby the wooden frame is relieved of the weight and strain of the heavy bed, and is prevented from sagging or wearing away, and the bed is always maintained at a true level under all conditions of temperature or climate.

Figure 1 is a side elevation of a billiard-table, showing one side of my iron frame in position. Fig. 2 is a plan of the same.

A and A' are the iron frames, which are, preferably, of cast-iron, and are constructed, preferably, in the form of an arch for greater strength, as shown, and provided with the transverse or flat feet *a a* and *a' a'*, respectively, through which they are bolted to the legs *b b* and *b' b'* on either side of the table, and extending the length thereof, as shown. The frames project upward somewhat above the top of the inner wooden frame B, as shown in Fig. 1, and are cut away at their ends at *c*, as shown, to permit the adjustment of the cushion and the rails around the bed and over the upper edge of the outer wooden

frame or case B'. The inside wooden frame is, preferably, to give the structure strength, and maintain the iron sides in an upright position, bolted to the iron sides, as shown in Fig. 1. This outside wooden frame or case may be joined to the wooden frame on the inside by the blocks *f*, as shown, bolted through the iron sides. The brace *d* is bolted to the iron frame across the center of the table, and serves to assist in maintaining the said iron sides in an upright position.

The stone bed C being placed in position, as shown in Fig. 1, it is evident that the entire weight thereof is sustained by the iron sides, upon which it rests, and that the wooden frames are entirely relieved from all strain and weight, and, consequently, all sagging and wearing away of said wooden frame from this cause are prevented, and the bed is maintained at a true level upon the legs.

It is also evident that the stone bed will not be affected by the shrinking or swelling of the wooden frame-work of the table, as frequently occurs during atmospheric changes, or in consequence of the transportation of the table from one climate to another.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the wooden frame-work and legs of a billiard-table, of the longitudinal iron sides A and A' as a support for the stone bed C, when constructed and arranged to operate substantially as described.

AUGUST HAND.

Witnesses:

FRED. H. BIEMAN,
GEO. MENDER.