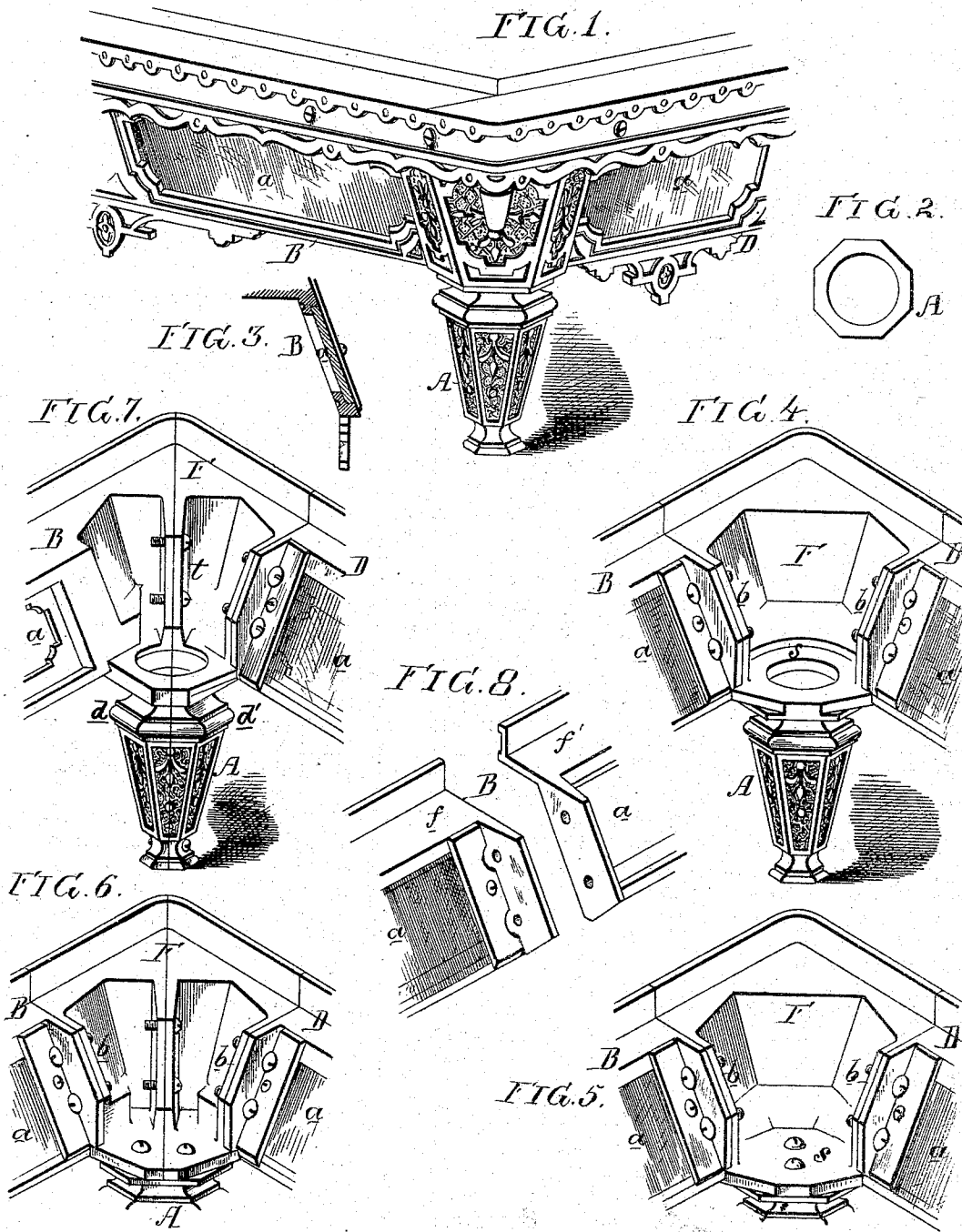


G. BUNTIN.
Billiard-Tables.

No. 156,768.

Patented Nov. 10, 1874.



Harry Smith
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UNITED STATES PATENT OFFICE.

GEORGE BUNTIN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BILLIARD-TABLES.

Specification forming part of Letters Patent No. **156,768**, dated November 10, 1874; application filed May 8, 1874.

To all whom it may concern:

Be it known that I, GEORGE BUNTIN, of Boston, Massachusetts, have invented an Improvement in Billiard-Tables, of which the following is a specification:

The object of my invention is to increase the strength and improve the appearance of billiard-tables with cast-metal frames and legs, such as those patented by me on the 13th day of May and 5th day of August, 1873; and I attain this object, first, by providing the table with flanged corner-pieces, connected to the side beams B and end beams D, and to tubular cast-metal legs A, in which strength and symmetry of outline are combined, as fully described hereafter, and as illustrated by the perspective view, Figure 1, and transverse sectional views, Figs. 2 and 3, of the accompanying drawing.

No more of the billiard-table is represented in the drawing than is required to illustrate my present improvements; but it may be well to state in the outset that the side beams B and end beams D are braced by transverse and longitudinal girders extending beneath the cloth-covered bed of the table, to which, as well as to an upper supplemental frame, the said beams are also secured, as described in my aforesaid patents of May 13 and August 5, 1873. In the latter various methods of attaching the legs to the side and end beams were illustrated and described; but the said legs were invariably hollow castings, open on the inner side, and were not only deficient in strength, but lacked an appearance of solidity unless viewed from the extreme corners of the table.

I overcome these objections by connecting the end and side beams to flanged corner-pieces F, bolted to or forming parts of hollow cast-metal legs A.

In Figs. 1 and 4 the tubular leg is cast in one piece with the corner-piece F, to the flanges *b b* of which the side and end beams B and D

are bolted, the flange *s* at the lower part of the corner-piece forming the top of the leg, strengthening the connection of the leg with the table, and bracing both the corner-piece and the flanges *b*.

In Fig. 5 the leg is cast separately, and is bolted to the flange *s* of the corner-piece; and in Fig. 7 the corner-piece is in two sections, bolted together, forming a vertical rib, *t*, which greatly increases the strength of the corner-piece and its flange. In Fig. 7 the leg is cast in two sections, one section, *d*, forming part of the side beam B, while the other section, *d'*, is cast in one piece with the corner-piece F, both sections having horizontal flanges, which together form the flange *s*.

The weight of the side and end beams is materially reduced without detracting from their strength by making them in the form of open castings, forming panels *a*, which can be ornamented by introducing mirrors, colored glass, &c.

There may be one or more of these ornamented panels in each beam, and the latter may each consist of one or of several pieces. In Fig. 8, for instance, the side beam B consists of two flanged sections, *f* and *f'*, arranged to be bolted together.

I claim as my invention—

1. A billiard-table in which the sides and end pieces are united to corner-pieces F, each having a flange, *s*, secured to or forming part of a hollow cast-metal leg, as set forth.

2. The combination of the side and end beams and a corner-piece, F, having a horizontal flange, *s*, and upright flange *t*, as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE BUNTIN.

Witnesses:

H. W. LAMBIRTH,
T. ALBERT TAYLOR.