T. R. TREIBER AND F. P. GRODE.

BILLIARD AND POOL TABLE.

APPLICATION FILED NOV. 28, 1914.

1,317,768.

Patented Oct. 7, 1919.

4 SHEETS—SHEET 1.

Fig 1

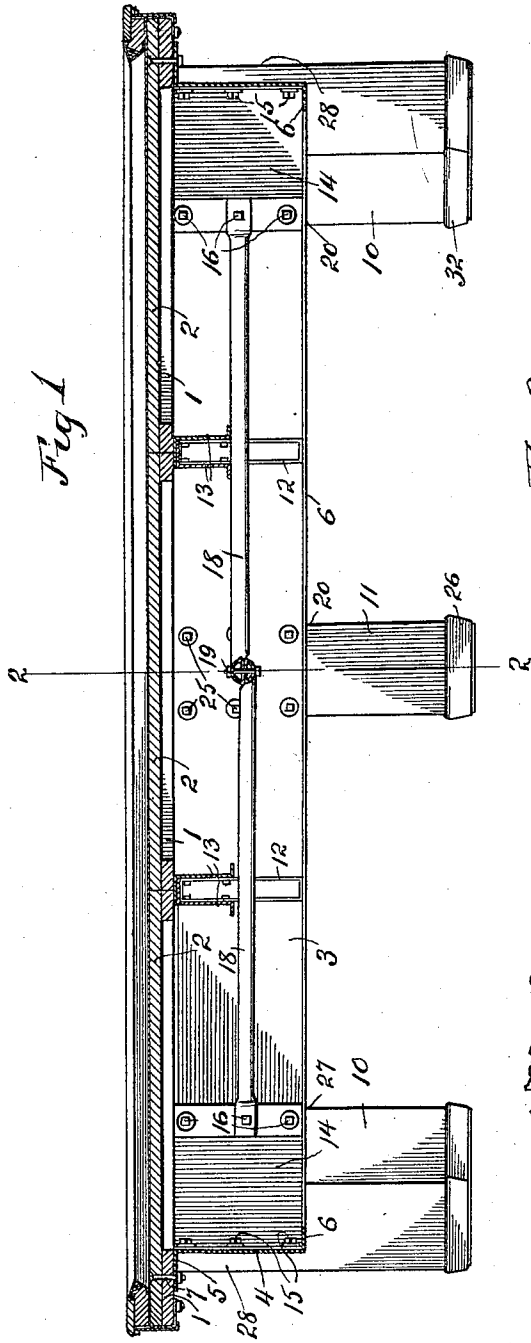


Fig 2

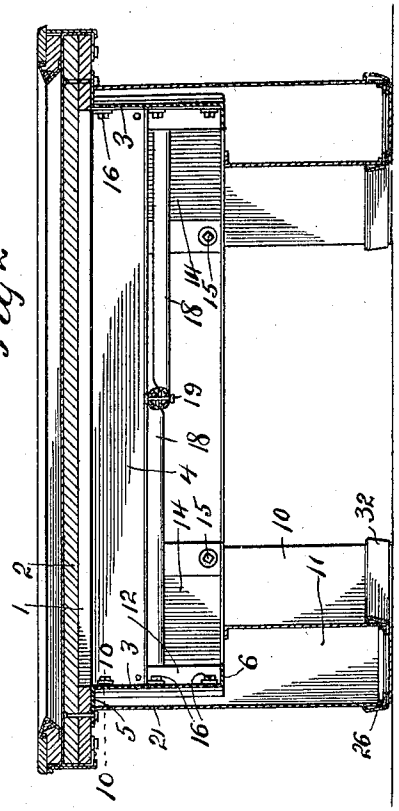
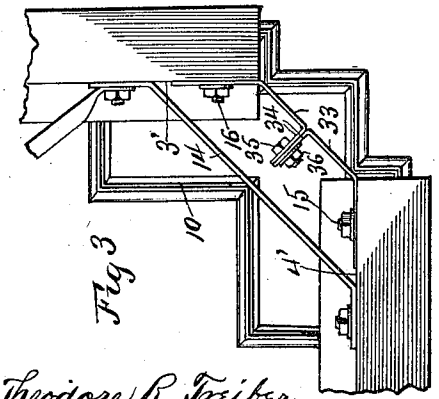


Fig 3



WITNESSES:

R. E. Hamilton

E. B. House.

Theodore R. Treiber

Frank P. Grode

INVENTORS

BY

Warren D. House

Their ATTORNEY.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

T. R. TREIBER AND F. P. GRODE.

BILLIARD AND POOL TABLE.

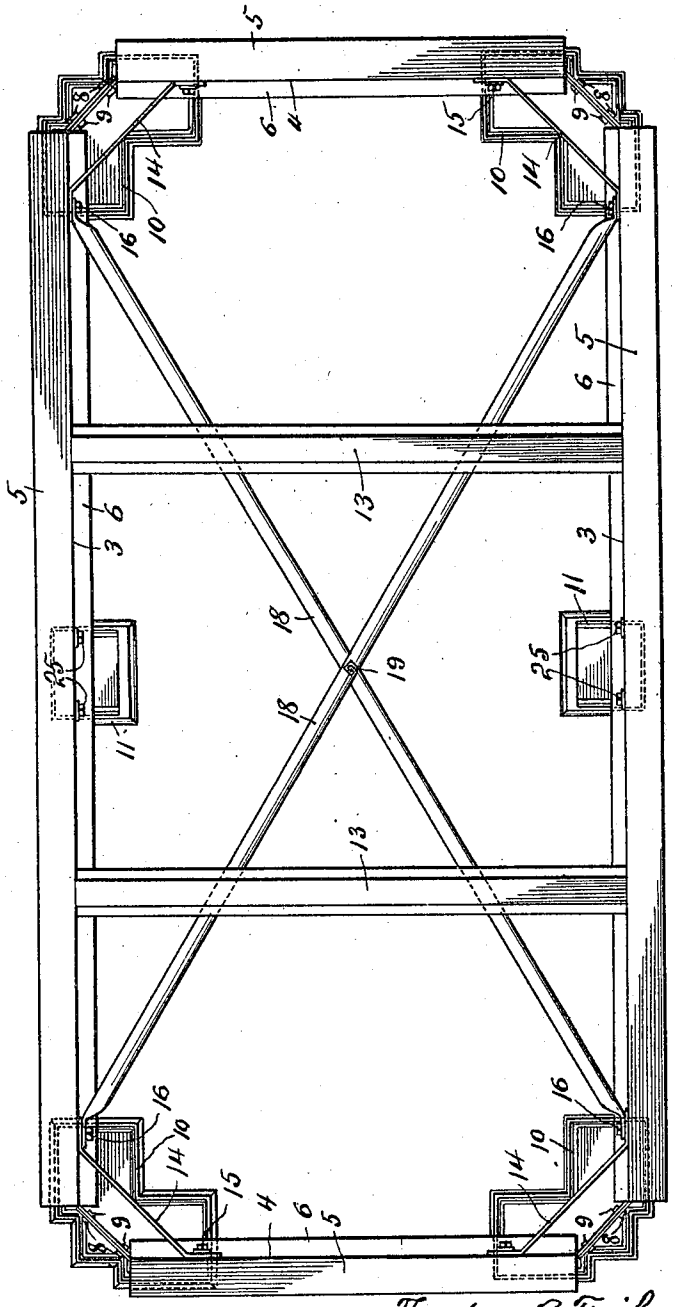
APPLICATION FILED NOV. 28, 1914.

1,317,768.

Patented Oct. 7, 1919.

4 SHEETS—SHEET 2.

Fig 4



WITNESSES:

R. E. Hamilton

E. B. House.

Theodore R. Treiber
Frank P. Grode
INVENTORS

BY

Warren D. House
Their ATTORNEY.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

T. R. TREIBER AND F. P. GRODE.

BILLIARD AND POOL TABLE.

APPLICATION FILED NOV. 28, 1914.

1,317,768.

Patented Oct. 7, 1919.

4 SHEETS—SHEET 3.

Fig 5

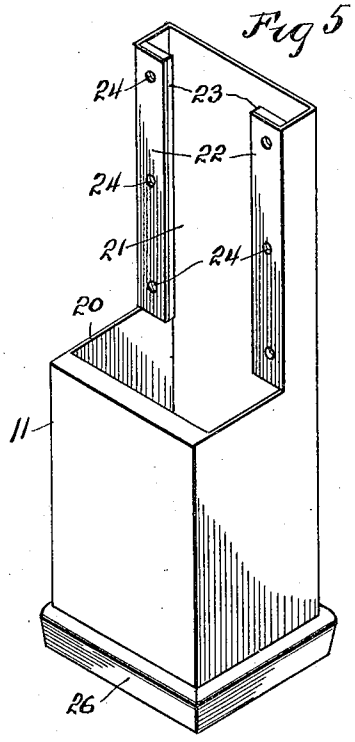


Fig 6

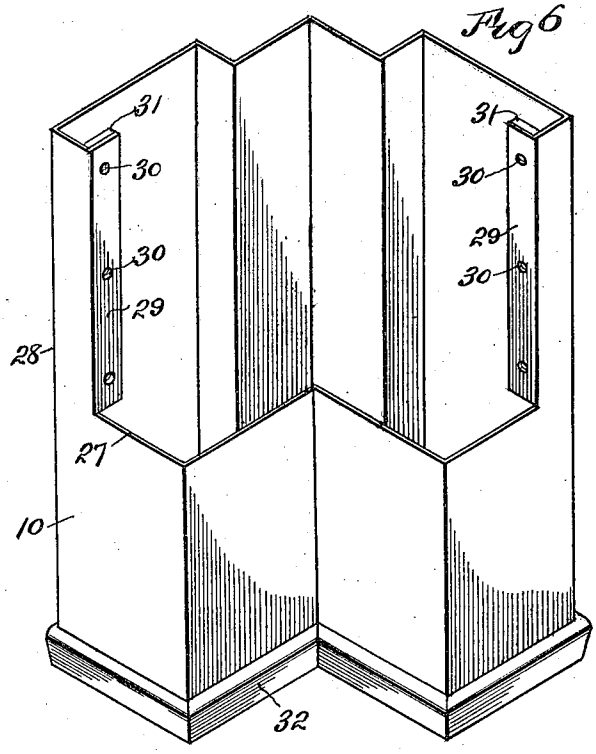
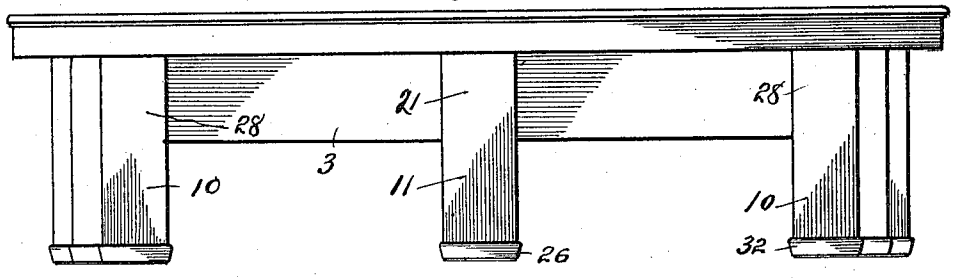


Fig 7



WITNESSES:

R. E. Hamilton

E. B. House.

Theodore R. Treiber

Frank P. Grode INVENTORS

BY

Warren D. House

Their ATTORNEY.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

T. R. TREIBER AND F. P. GRODE.

BILLIARD AND POOL TABLE.

APPLICATION FILED NOV. 28, 1914.

1,317,768.

Patented Oct. 7, 1919.

4 SHEETS—SHEET 4.

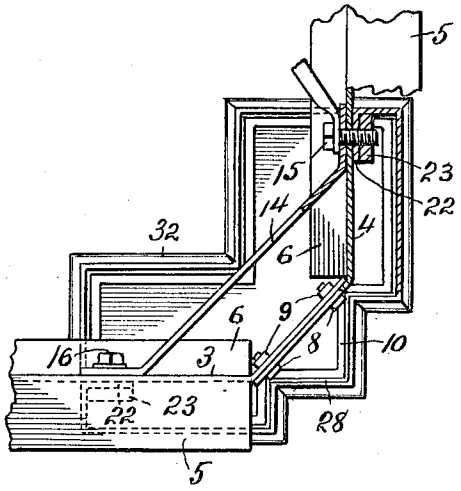


Fig 8

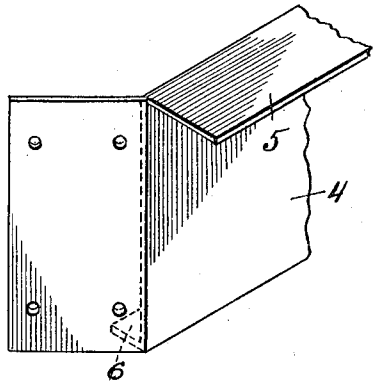


Fig 9

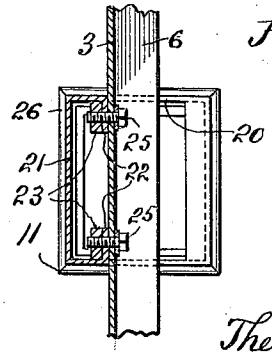


Fig 10

WITNESSES:

R. H. Hamilton

E. B. House.

Theodore R. Treiber

Frank P. Grode INVENTORS

BY

Warren D. House

Their ATTORNEY.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

THEODORE R. TREIBER AND FRANK P. GRODE, OF KANSAS CITY, MISSOURI; SAID TREIBER ASSIGNOR TO THE BRUNSWICK-BALKE-COLLENDER COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF DELAWARE.

BILLIARD AND POOL TABLE.

1,317,768. Specification of Letters Patent. Patented Oct. 7, 1919.

Application filed November 28, 1914. Serial No. 874,369.

To all whom it may concern:

Be it known that we, THEODORE R. TREIBER and FRANK P. GRODE, citizens of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a certain new and useful Improvement in Billiard and Pool Tables, of which the following is a specification.

Our invention relates to improvements in billiard or pool tables.

One of the objects of our invention is to provide a billiard or pool table which will not warp or be otherwise affected by atmospheric conditions; which will be light yet strong and durable; which can be economically manufactured, and which will be ornamental and which will present a pleasing appearance.

Another object of our invention is to provide a billiard or pool table, the parts of which may be quickly assembled or disassembled, and which in the disassembled condition may be packed in small space for storage or shipment.

A further object of our invention is to provide a billiard or pool table having a sheet metal frame for supporting the bed and sheet metal legs secured to the frame so as to be detached therefrom, and in which the securing means will be invisible from the exterior of the table.

Our invention provides still further a novel sheet metal frame for supporting the bed of a billiard or pool table, and also novel sheet metal legs for supporting said frame.

Other novel features of our invention are hereinafter fully described and claimed.

In the accompanying drawings, which illustrate our invention,

Figure 1 is a central longitudinal vertical sectional view of our improvement applied to a billiard table.

Fig. 2 is a cross section on the line 2—2 of Fig. 1.

Fig. 3 is an enlarged plan view of one of the corner legs and a portion of the bed supporting frame, and illustrating a modified way of securing the side and end members of the frame together.

Fig. 4 is a plan view of our improved table with the bed removed.

Figs. 5 and 6 are respectively perspective views of one of the middle legs and one of the corner legs.

Fig. 7 is a side elevation of our improved table.

Fig. 8 is an enlarged view partly in plan and partly in horizontal section of one of the corner legs and a part of the frame which is shown in Figs. 1, 2 and 4.

Fig. 9 is an enlarged perspective view of one end of one of the frame members.

Fig. 10 is an enlarged cross section on the line 10—10 of Fig. 2.

Similar reference characters designate similar parts in the different views.

The bed of the table, which may consist of the usual cushion rails and horizontal wooden frames 1 supporting the slate slabs 2 is mounted upon a rectangular sheet metal frame consisting preferably of side members 3 and end members 4, each being of sheet metal and of Z form, that is being provided each at its upper edge with an outwardly extending horizontal flange 5 and an inwardly extending horizontal flange 6.

The wooden members 1 of the bed are supported on the flanges 5 to which they are secured by vertical bolts 7.

In the preferred form of our invention, as shown in Fig. 8, the vertical portions of the end members overlap the adjacent vertical portions of the side members 3 to which they are secured by bolts 8 provided with nuts 9.

For supporting the said sheet metal frame, we provide four corner legs 10 and two middle legs 11 which are secured to the side members of the frame, as will hereinafter be described.

Secured to the inner side of each side member 3 are two rectangular brackets 12, Fig. 1, to each of which are secured the adjacent ends of two sheet metal Z bars 13, the opposite ends of which are secured to the oppositely disposed brackets 12 on the other side member.

Sheet metal braces 14, see Figs. 4 and 8, extend across the corners respectively of the sheet metal bed supporting frame and have one set of ends secured by cap screws 15 to the adjacent end members 4, the other set of ends being secured by cap screws 16 to the side members 3.

Two diagonal braces 18, which cross each

other, and which are secured at their point of intersection by a vertical bolt 19, Fig. 4, have their ends secured to the side members 3 by means of some of the bolts or cap screws 16, see also Fig. 1.

The middle legs 11 are preferably tubular legs formed of sheet metal, each preferably being provided with a horizontal seat 20, Fig. 1, which is adapted to support the flanges 6 of the frame. Each leg 11 is provided above the seat 20 with a vertical extension 21 having inwardly and laterally turned vertical flanges 22 which are adapted to rest against the outer side of the adjacent side member 3, as shown in Fig. 10.

To the sides of the flanges 22 which are opposite to the member 3, are respectively secured two vertical reinforcing plates 23, which are provided with transverse screw-threaded holes which respectively register with screw-threaded holes 24 provided in the flanges 22, and which are adapted to receive cap screws or bolts 25, which respectively extend through holes provided in the adjacent member 3.

By this arrangement of the bolts 25, they are hid from view at the exterior of the table.

Sheet metal caps 26 are preferably provided on the lower ends respectively of the legs 11.

The legs 10 are also tubular legs preferably constructed of sheet metal and are respectively provided with seats 27 similar in function and location to the seats 20, and above said seats are respectively provided with vertical extensions 28, opposite edges of which are inwardly and laterally turned to form vertical flanges 29, which are disposed at right angles to each other and are adapted to be secured respectively to the adjacent end and side members.

The flanges 29, Fig. 6, are each provided with a plurality of screw-threaded holes 30, which respectively register with screw-threaded holes provided through two reinforcing plates 31 secured to the flanges 29 respectively on the sides opposite to the frame.

The bolts 15 and 16 engage respectively with the flanges 29 of the legs 10 for securing said legs to the frame. The vertical extensions 28 conceal the bolts 8 which connect the end members 4 with the side members 3. The cap screws or bolts 15 and 16 are also invisible from the exterior of the table.

The lower ends of the legs 10 may be respectively provided with caps 32.

In the modification shown in Fig. 3, the side members 3′ are secured to the adjacent ends of the end members 4′ by means of two plates 33, which are respectively secured by the bolts 16 and 15 to the side members 3′ and 4′. Said plates 33 have inwardly turned right angled portions 34 which are clamped together detachably by bolts 35. In all other respects the form shown in Fig. 3 corresponds to that shown in Figs. 1, 2, 4 and 8.

By removing the bolts 15, 16, 19, 25 and 7, the legs 10 and 11 may be detached from the frame; the frame may be detached from the bed and the side members, end members and braces of the frame may be detached from each other, so that all the parts may be packed in small space for storage or shipment.

As the frame and legs are formed of sheet metal, they will not be warped or otherwise affected by atmospheric conditions, and by reason of the construction as described, the table will be relatively light while possessing great rigidity and durability.

We do not limit our invention to the structures shown and described, as modifications, within the scope of the appended claims, may be made without departing from the spirit of our invention.

Having thus described our invention, what we claim and desire to secure by Letters Patent, is:—

1. In billiard or pool tables, a rectangular frame adapted to support the bed of a table, a tubular sheet metal leg having a seat and provided with a vertical extension above said seat, said vertical extension being provided with two vertical inwardly and laterally turned flanges, each provided with threaded holes, and bolts extending through said frame and respectively fitted in said holes, the frame being supported on said seat.

2. In billiard or pool tables, a rectangular sheet metal frame adapted to support the bed of a table, legs having inwardly and laterally turned flanges and consisting of sheet metal, each of said flanges having screw-threaded holes, braces extending respectively across the corners of said frame, and bolts extending through said braces and said frame and fitted in said holes.

In testimony whereof we have signed our names to this specification in presence of two subscribing witnesses.

THEODORE R. TREIBER.
FRANK P. GRODE.

Witnesses:
E. B. HOUSE,
R. E. HAMILTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."