No. 800,574. PATENTED SEPT. 26, 1905.

J. HERZOG.

TABLE.

APPLICATION FILED MAY 24, 1905.

Fig. 1.

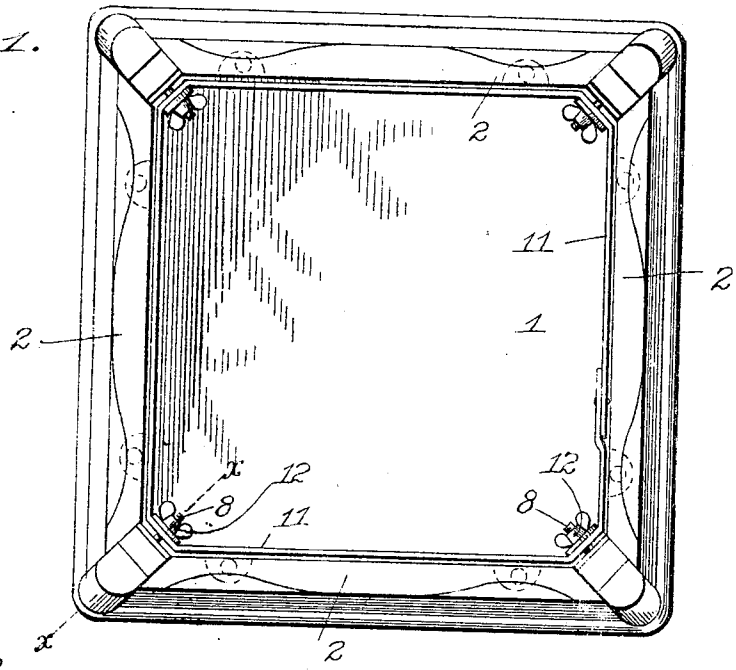


Fig. 2.

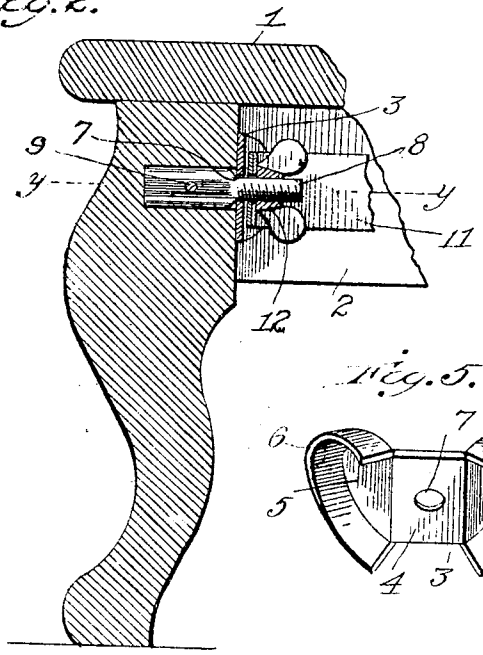


Fig. 3.

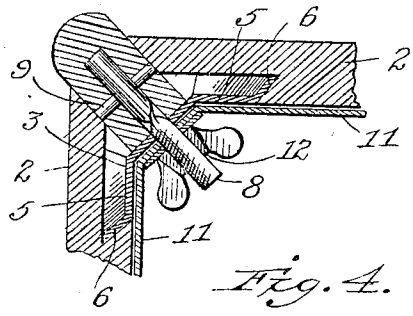
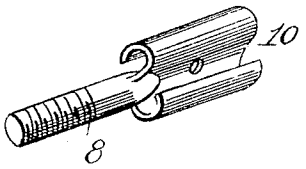


Fig. 5.

Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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TABLE.

No. 800,574. Specification of Letters Patent. Patented Sept. 26, 1905.

Application filed May 24, 1905. Serial No. 261,942.

To all whom it may concern:

Be it known that I, JOHN HERZOG, a citizen of the United States of America, residing at Saginaw, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Tables, of which the following is such a full, clear, and exact description 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, forming a part hereof.

This invention relates to improvements in tables of the type shown in Patents No. 751,285, granted to me February 2, 1904, and No. 766,695, granted to me August 2, 1904, the object of the invention being generally to provide a table in which the legs may be shipped free of the top and rails, and more specifically to provide a cheap and simple construction by which the legs can be quickly fitted in place and securely held in their proper positions.

The invention consists in certain novel features hereinafter first fully described and then particularly pointed out in the claims.

In the annexed drawings, which fully illustrate my invention, Figure 1 is a bottom plan view of a table embodying the improvements with the legs in position. Fig. 2 is a vertical section on the line *x x* of Fig. 1. Fig. 3 is a horizontal section on the line *y y* of Fig. 2. Fig. 4 is a detail perspective view of the bolt carried by the leg, and Fig. 5 is a detail perspective view of the rail-connecting plate.

The top 1 of the table may be of any desired size and form, and the rails 2 may be secured thereto in any desired manner, the rails being provided with sockets in the ends, as shown in my aforesaid Patent No. 751,285. In the present invention the ends of the rails are not brought together, and the connecting-plates or clamping-blocks 3, seated therein, are provided with a central flat web or body 4, against which the inner face of the leg bears when the parts are secured together in their proper positions. This central flat web is arranged at an angle of forty-five degrees to the end wings 5 of the plates, the said wings being provided with flared flanges 6, which engage the inner beveled walls of the sockets in the ends of the rails, whereby they will be firmly seated in the rails and will serve to hold them together. An opening 7 is provided at the center of the web for the passage of the bolt 8 in the leg, which bolt is firmly seated in the leg and held therein by a pin or similar device 9, inserted laterally through the leg and the shank of the bolt. In order to further guard against twisting or withdrawal of the bolt, its shank is given a flat **S** shape in cross-section, as shown at 10, and this flattened portion is fitted snugly in a narrow mortise or recess in the upper portion of the leg. The body of the bolt is threaded in the usual manner and projects through the opening 7 in the rail-connecting plate when the parts are in their proper relative positions, the sides of the legs being smooth and flat, so as to fit easily and snugly between and against the ends of the rails. The bolts are of such a length that their ends will project through a light but stout metallic band 11, which is arranged below the top and parallel with the inner faces of the rails and is supported solely by the bolts. This band is continuous and extends around the entire table, so as to form a connection between all the legs, and it may be endless or may be a sheet-metal strap with its ends riveted together. To the inner side of this band retaining-nuts 12 and washers are mounted on the ends of the bolts and are adapted to be turned home against the band to secure the parts. The construction of the parts being thus made known, it will be readily seen that the legs and the band may be shipped disassembled and arranged between the rails, lying flat against the bottom of the top.

When the table is to be set up, the ends of the legs are placed between the ends of the rails with the ends of the bolts projecting through the rail-connecting plates and the retaining-band. The nuts are then fitted on the bolts and turned home against the band, thereby drawing the legs firmly against the central webs of the connecting-plates and binding them firmly in place. As the nuts are turned home and the legs drawn inward between the ends of the rails, the legs will be caused to exert a pressure against the connecting-plates which will tend to move them inward and will consequently have a binding action on the rails, so that the table when set up will be firm and rigid. The inner endless retaining-band serves to transmit the pressure exerted thereon by one securing-nut to

all the bolts, so that a very strong structure is provided without the use of heavy or complicated and costly arrangements of braces.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the rails, plates connecting the ends of the same, legs fitted between the ends of the rails, bolts secured in the legs and projecting through the said plates, a retaining-band fitted over the ends of all the bolts, and nuts mounted on the ends of the bolts and arranged to be turned home against the said band.

2. The combination of the rails, a plate connecting the ends of the same, a leg having a narrow mortise in its upper portion, a bolt having an S-shaped shank fitted in said mortise and having its body projecting through the said plate, a pin inserted laterally through the leg and the shank of the bolt, and means on the end of the bolt for drawing the leg against the plate connecting the rails.

3. The combination of the rails, the legs fitted between the ends of the rails, bolts carried by the legs, a retaining-band through which all of the bolts extend, and nuts on the ends of the bolts arranged to be turned home against the band and thereby draw the legs inward between the ends of the rails.

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

JOHN HERZOG.

Witnesses:
RUTH BENJAMIN,
THEO. F. GAMSBAUER.