

No. 831,797.

PATENTED SEPT. 25, 1906.

M. MILLER.
DINING TABLE.

APPLICATION FILED JAN. 16, 1906.

Fig. 1.

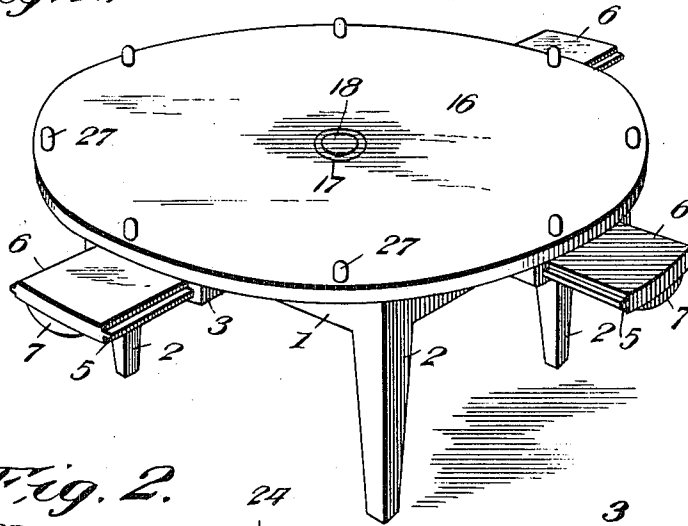


Fig. 2.

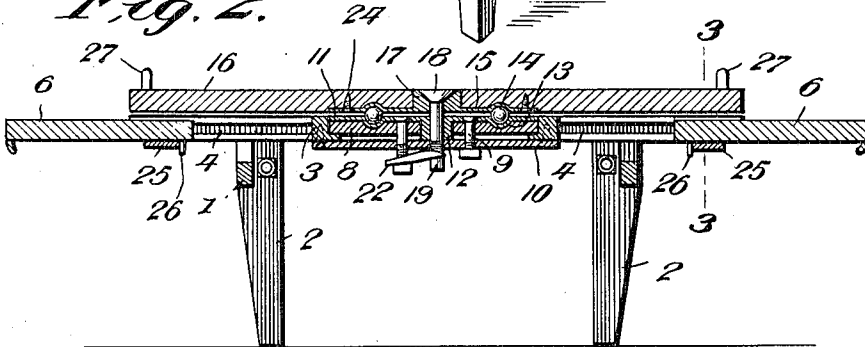


Fig. 3.

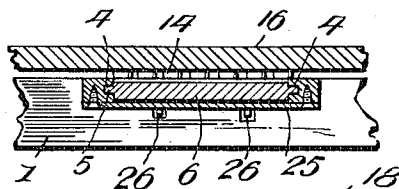


Fig. 4.

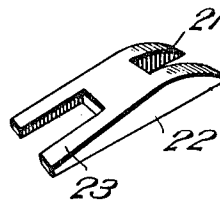
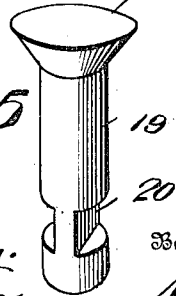


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

MARK MILLER, OF HUGHESTON, WEST VIRGINIA.

DINING-TABLE.

No. 831,797.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed January 16, 1906. Serial No. 296,289.

To all whom it may concern:

Be it known that I, MARK MILLER, a citizen of the United States, residing at Hugheston, in the county of Kanawha and State of West Virginia, have invented certain new and useful Improvements in Dining-Tables; and I 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.

My invention relates to new and useful improvements in dining-tables, and more particularly to that class wherein the table-top is adapted to rotate upon its supporting-base, and my object is to provide means for taking up the wear upon the table-bearing.

With the above and other objects in view the invention consists of a frame having a ball-bearing upon the center thereof which supports a circular table-top having a central pivot-pin which is provided with novel means for tightening it.

The invention also consists in further novel construction and combination of parts hereinafter more fully described and claimed.

In the accompanying drawings I have shown the preferred form of my invention, and in said drawings—

Figure 1 is a perspective view of my improved table. Fig. 2 is a central vertical section therethrough. Fig. 3 is a transverse section through one of the leaves and the adjoining parts of the table. Fig. 4 is a detail view of the adjusting-lever; and Fig. 5 is a similar view of the pivot-pin.

Referring to the figures by numerals of reference, 1 is a rectangular frame supported on legs 2, and secured to this frame are parallel guide-strips 3, arranged in pairs and extending laterally from the frame 1. These guide-strips are grooved, as shown at 4, for the reception of longitudinally-arranged cleats 5 upon the side edges of leaves 6. These leaves are adapted to be slid between the pairs of guide-strips and have downwardly-projecting portions 7 at their front ends, whereby they may be readily grasped. The thickness of each leaf is less than the thickness of the guide-strips 3, and therefore when the leaf is in position between the guides a sufficient space is left between the top of the leaf and the upper edges of its guide-strips 3 to enable a plate, knife, fork, &c., to be placed upon the leaf while said leaf is in position between its guide-strips.

Secured between the intersecting portions of the guide-strips 3 is a supporting-block 8, which is held in place by means of bolts 9, extending downward through a cross-strip 10, which is fastened to two of the cleats 3 and is held by nuts in the usual manner. A wear-plate 11 is secured upon the upper face of this block by means of the bolts 9, and said wear-plate has a centrally-disposed downwardly-projecting lug 12, which projects through the center of block 8 and has a passage through it. Plate 11 is also provided with a race 13, which is concentric with the lug 12, said race being adapted to receive a series of balls 14, which project into a similar race formed within the wear-plate 15. This wear-plate is secured to the lower surface of a circular table-top 16, and at the center thereof a lug 17 projects upward from wear-plate 15 and through the center of the table-top, and this lug has a passage through it for the reception of the head 18 and a portion of the stem 19 of a pivot-pin. Said pin extends downward through lug 12 and through the strip 10 and has oppositely-arranged grooves or recesses 20 within it, adapted to receive the forked end 21 of a lever 22. This lever has one face curved so as to give the same a rocker-like appearance, and the other end of the lever is likewise forked, as shown at 23, and embraces one of the bolts 9. The nut of said bolt overlaps said forked end of the lever, and by screwing said nut upon its bolt the lever will be pressed toward the strip 10, and this opposite forked end will be rocked or swung downward, thereby drawing the pivot-pin longitudinally and tightening the bearing of the table-top 16.

It will of course be understood that the wear-plate 15 must be suitably secured to the table-top, as by means of screws 24, in order to prevent the same from rotating independently thereof.

The guide-strips 3 of each pair are connected at their outer ends by a cross-strip 25, which constitutes a stop for a pin 26, depending from the rear end of the leaf 6, mounted between said guide-strips.

In using the table herein described a plate, knife, fork, &c., is placed on each leaf 6, and said leaf is then slid under the table-top 16, there being sufficient room between the leaf and the table-top to accommodate the articles placed on the leaf. After persons have been seated at the table the leaves are drawn outward and the food to be served is placed

on the table-top 16, and any one of the persons can quickly serve himself simply by grasping said table-top and rotating it until any dish desired is brought within convenient reach. In order to facilitate the rotation of the table-top, I preferably provide thereon at regular intervals and adjacent the periphery of the top a series of grips or knobs 27, which may be of any size and suitably ornamented.

It will be understood that by using a table such as herein described each person can serve himself, and therefore the services of waiters may be dispensed with.

15 What I claim is—

1. In a table, a frame member, a rotatable top member, supported thereby, a pivot-pin headed at one end and slidably extending through both members with its head in contact with one of said members, said pin having a recess in the other end, a lever fulcrumed on the other of said members and engaging in said recess and means for adjusting said lever to slide the pin vertically whereby the rotatable member is drawn toward the frame member.

2. In a table, a frame member, a plate secured to said frame, a table-top above said frame, a plate secured to said top and extending therethrough, said plates having registering vertical openings therethrough, a

headed pivot-pin slidably disposed through said openings, said pin having oppositely-disposed recesses in its free end, a forked lever fulcrumed on the one of said plates next to the recessed end of said pin, the forked portions at one end thereof engaging the recesses in the pin and means engaging the opposite end of said lever to rock the lever to slide the pin vertically, whereby the table-top will be drawn toward the frame member.

3. The combination with a table-frame and a rotatable top therefor, of a pivot-pin disposed through said top and frame, said pin having a head at one end and recesses at its opposite end, an elongated lever having one of its faces curved to form a fulcrum, said lever being forked at each end, the fork members at one end engaging the recesses in the pin and means carried by the frame to adjustably engage the opposite forked end of the lever the fulcrum portion of the lever at the same time bearing against a part of the frame whereby the pin may be longitudinally adjusted to draw the top toward the frame.

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

MARK MILLER.

Witnesses:

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W. M. BAULING.