

No. 831,797.

PATENTED SEPT. 25, 1906.

M. MILLER.  
DINING TABLE.

Fig. 1.

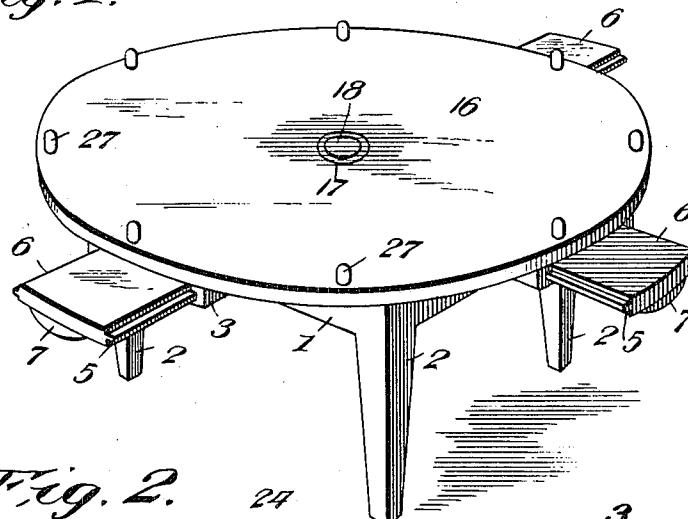


Fig. 2.

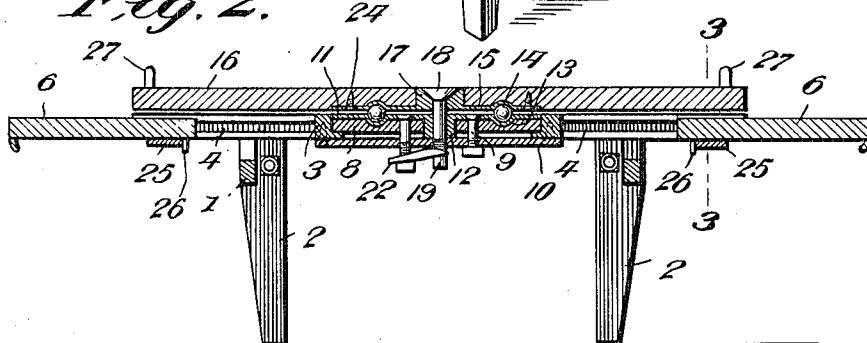


Fig. 3.

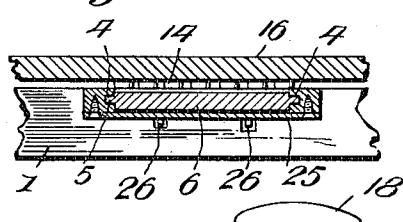


Fig. 4.

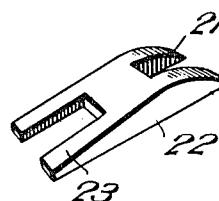
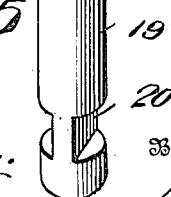


Fig 5



M. Miller.

### Answers

### 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 Huges-  
ton, in the county of Kanawha and State  
5 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 inven-  
tione, such as will enable others skilled in the  
10 art to which it appertains to make and use  
the same.

My invention relates to new and useful im-  
provements in dining-tables, and more par-  
ticularly to that class wherein the table-top  
15 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  
20 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  
25 construction and combination of parts here-  
inafter more fully described and claimed.

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

30 Figure 1 is a perspective view of my im-  
proved table. Fig. 2 is a central vertical sec-  
tion therethrough. Fig. 3 is a transverse  
section through one of the leaves and the ad-  
joining parts of the table. Fig. 4 is a detail  
35 view of the adjusting-lever; and Fig. 5 is a  
similar view of the pivot-pin.

Referring to the figures by numerals of ref-  
erence, 1 is a rectangular frame supported on  
legs 2, and secured to this frame are parallel  
40 guide-strips 3, arranged in pairs and extend-  
ing laterally from the frame 1. These guide-  
strips are grooved, as shown at 4, for the recep-  
tion of longitudinally-arranged cleats 5 upon  
the side edges of leaves 6. These leaves are

45 adapted to be slid between the pairs of guide-  
strips and have downwardly-projecting por-  
tions 7 at their front ends, whereby they may  
be readily grasped. The thickness of each  
leaf is less than the thickness of the guide-  
50 strips 3, and therefore when the leaf is in po-  
sition 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

55 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, ex-  
tending 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 over-  
laps 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 oppo-  
site forked end will be rocked or swung down-  
ward, thereby drawing the pivot-pin longitudi-  
nally and tightening the bearing of the ta-  
ble-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 independ-  
ently thereof.

The guide-strips 3 of each pair are connect-  
ed at their outer ends by a cross-strip 25,  
which constitutes a stop for a pin 26, depend-  
ing 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 arti-  
cles 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 or-  
10 namented.

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 table 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. 55

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

MARK MILLER.

Witnesses:

C. F. HUDDLESTON,  
W. M. BAULING.