Feb. 6, 1923. 1,444,042

A. B. SCHWALBACH.
TABLE.
FILED APR. 4, 1922.

Fig. 1.

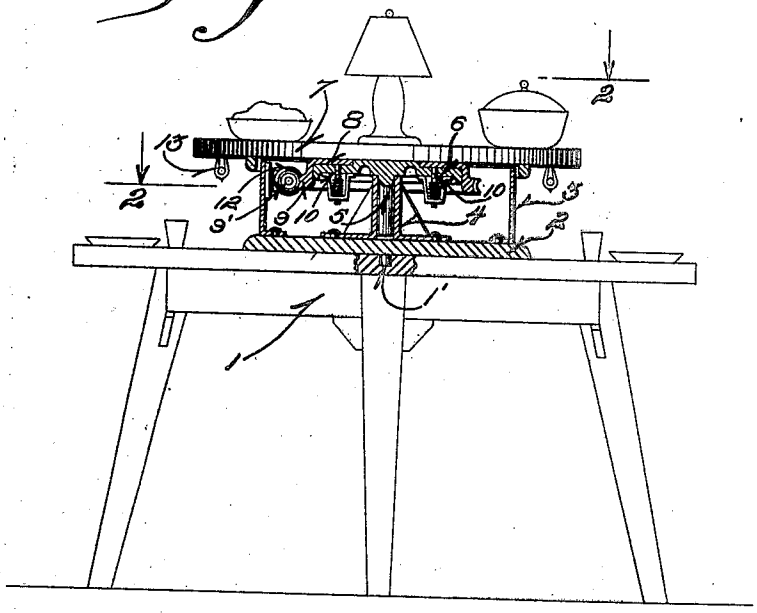
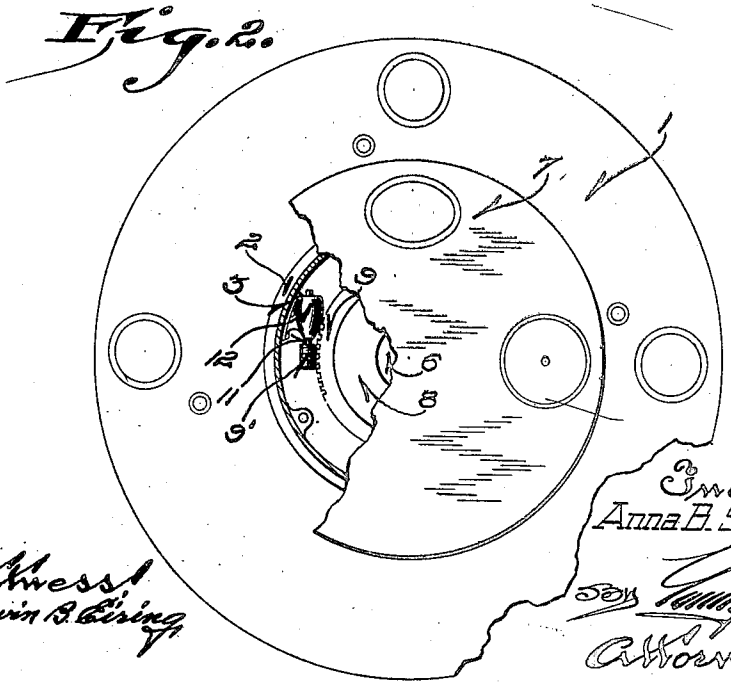


Fig. 2.



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UNITED STATES PATENT OFFICE.

ANNA B. SCHWALBACH, OF BAY VIEW, WISCONSIN.

TABLE.

Application filed April 4, 1922. Serial No. 549,641.

To all whom it may concern:

Be it known that I, ANNA B. SCHWALBACH, a citizen of the United States, and resident of Bay View, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Tables; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention refers to dining tables and it has for its primary object to provide a simple, economical and effective attachment to be fitted to the top of a standard table for self-serving.

The specific object of my invention is to provide a self-serving attachment wherein an auxiliary top is positively rotated by encased driving mechanism, whereby access may be had to various portions of food placed upon the auxiliary table.

Another object of my invention is to provide a slip driving gear connection for the auxiliary table top whereby said top can be checked in its rotation at any point for convenience in individual helping from the dishes contained thereon.

With the above and other objects in view the invention consists in peculiarities in construction and combination of mechanical elements as will be hereinafter set forth with reference to the accompanying illustrations and subsequently claimed.

In the drawings:—

Figure 1 represents a sectional elevation of a standard table having affixed to its top a self-serving attachment embodying the features of my invention, and

Figure 2 is a plan view with parts broken away and other parts in section, the section being indicated by line 2—2 of Figure 1.

Referring by characters to the drawing, 1 represents a standard table top having a centrally disposed dowel pin socket 1′ therein. Detachably mounted upon the table top is a base board 2 having secured thereto a metallic cylindrical apron 3. The base board carries a dowel pin for engagement with the socket and, also, a centrally disposed hub bracket 4 which forms a journal for a stud shaft 5. The stud shaft may constitute an integral element of a friction disc 6, which disc is secured to an auxiliary rotatory table top 7. The disc 6 is off-set slightly for reception of a friction plate 8, which plate is fitted upon the disc and the under side of the auxiliary table top. The plate forms a hub portion for a worm wheel 9 and the friction plate is normally forced against the under face of the table top 7 by a series of spring controlled plungers 10. The springs thus serve to exert sufficient friction, whereby the table top is normally rotated through the worm wheel 9.

Motion is imparted to the worm wheel 9 by a worm 9′, which worm is mounted upon the shaft 11 of an electric motor 12, the casing of the motor being bolted, or otherwise secured, to the cylindrical apron 3.

As shown in Figure 1, the underside of the table may be provided with a plurality of electric light bulbs 13 for illuminating purpose and the auxiliary table top is of lesser diameter than the fixed table top 1.

It will be observed that in practice the dishes containing the food are placed upon the auxiliary table top and the individual plates and service is set upon the standard table top in the usual manner. When the apparatus is in operation, current is supplied to the motor from any source and the auxiliary table top is thus caused to slowly rotate, whereby the various dishes upon the auxiliary table are caused to travel past a fixed point in each revolution of the auxiliary top.

Thus it will be seen that the party seated at the table can have convenient access to any one of the dishes at all times within a period determined by the cycles of the top. The parties utilizing the apparatus can, by pressure upon the auxiliary top, stop it in its rotation, due to the slippage of the clutch mechanism, and as soon as the auxiliary top is released the table will again start to rotate. The slippage of the clutch can be determined by tensioning the spring controlled plungers 10.

When it is desired to dispense with the auxiliary top, obviously it can be removed from the table, and it is, also, understood that owing to the self-serving apparatus being a complete unit, it can be readily fitted to any standard type of table.

While I have shown and described one exemplification of my invention in all of its details, obviously I may vary such details

within the scope of the claim, as it will be hereinafter interpreted by those skilled in mechanics.

I claim:—

In a dining table of standard type; the combination of a self-serving attachment comprising a base board adapted to be fitted to the table top having an encasing apron extending therefrom, a centrally disposed hub extending from the base board, a stud shaft journalled in the hub carrying a friction disc, a rotatory table secured to the friction disc above the apron, the same being of lesser area than the area of the table top, a spring controlled friction plate carried by the disc, a worm wheel secured to the friction plate, and a motor-driven worm associated with the apron for engagement with the worm wheel.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin.

ANNA B. SCHWALBACH.