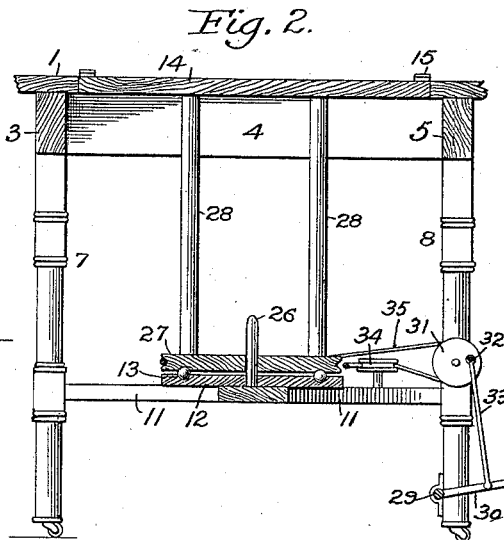
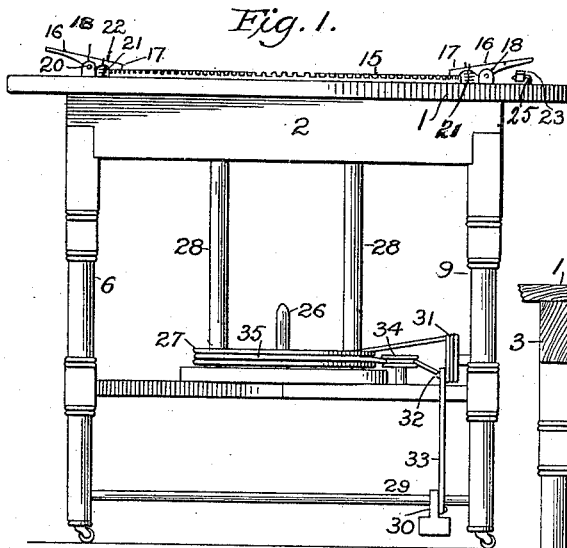


(No Model.)

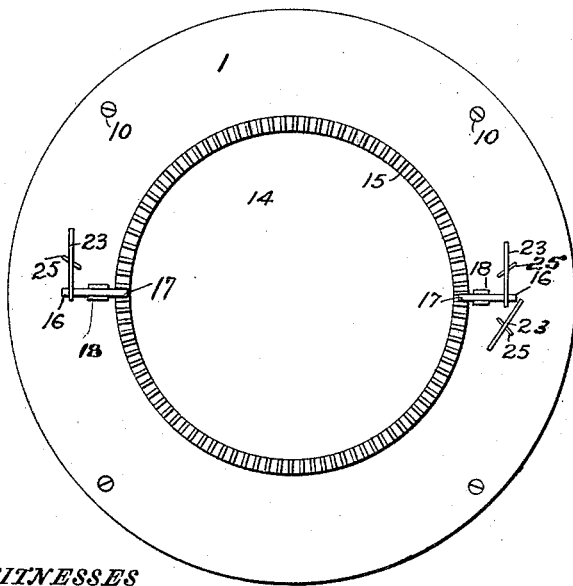
C. BOYD.  
TABLE.

No. 584,320.

Patented June 15, 1897.



*Fig. 3.*



WITNESSES  
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# UNITED STATES PATENT OFFICE,

CHARLIE BOYD, OF CENTREBURG, OHIO.

## TABLE.

SPECIFICATION forming part of Letters Patent No. 584,320, dated June 15, 1897.

Application filed July 29, 1896. Serial No. 600,921. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLIE BOYD, a citizen of the United States, residing at Centreburg, in the county of Knox and State of Ohio, have invented certain new and useful Improvements in 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 self-waiting tables.

My object is to provide an improved table of the class described which can be quickly and easily operated by any person seated at the table to serve any dish to another person or to himself and which can be locked against movement so that the dishes are properly held in place.

Having this object in view, my invention consists of a self-waiting table comprising certain novel features and combinations, as hereinafter more fully described.

In the accompanying drawings, Figure 1 is a side elevation of my improved table; Fig. 2, a sectional elevation thereof, and Fig. 3 a plan view thereof.

The numeral 1 designates the stationary top of my improved table, which is made in the form of a ring and on which are to be placed all dishes which are to be continually in use.

The numerals 2, 3, 4, and 5 designate strips which are located under the table-top and have their ends lapped, as shown, so that when in position they are in the form of a square.

The numerals 6, 7, 8, and 9 designate the supporting-legs, and bolts 10 pass through the stationary top of the table, the lapped corners of the strips, and into the legs, so that all of said parts can be separated whenever desired.

The numerals 11 designate cross-pieces which have their ends mortised in the respective supporting-legs. At the meeting of these cross-pieces there is located a bearing-plate 12, which is provided with an annular ball-race 13.

The numeral 14 designates a circular revolving top which is located in the opening of the fixed top 1 of table and fits snugly, yet easily, therein. A circular rack 15 extends

around the upper outer edge of this auxiliary revolving top and serves a double purpose. It prevents the dishes located on the revolving top from being thrown off when the said top is in rotation, and it also is adapted to lock with my improved catch, now to be described, so that the revolving top can be held locked. There are as many catches as there are plates for the different people to be seated, and as these catches are all of similar construction a description of one will suffice. The catch is shown at 16 and is provided with a head 17, which is adapted for engagement with the circular rack.

The numerals 18 designate bearings which arise from the stationary portion of the top, and 20 is a spindle which passes through the catch and is mounted in said bearings.

The numeral 21 designates a coil-spring which encircles a pin 22, connected to the forward end of the catch, and this spring exerts a tendency to draw the head 17 of the catch downward.

The numerals 23 designate locking-arms which are pivoted on bent pins 25 and are adapted to lock over the outer end of the catch and hold the latter raised whenever desirable, so that the head of the catch will be thrown out of engagement with the circular rack and the revolving top of the table can be turned whenever desirable.

From the center of the bearing-plate 12 there arises a spindle 26, and on this spindle is rotatively mounted a large grooved pulley 27. The balls that run in the raceway are located between the bearing-plate and this pulley, and the latter rests upon them at all times.

The numeral 28 designates a series of supports which connect the pulley with the revolving top. At 29 is shown a rod which extends between the lower ends of two adjacent legs, and a treadle 30 is mounted on said rod.

The numeral 31 designates a pulley which is provided with a wrist-pin 32, and a pitman 33 connects this wrist-pin with the treadle.

The numeral 34 designates a small grooved guide-pulley which is journaled in a cross-piece 11, and 35 designates a band or belt which passes around all the pulleys.

It will thus be seen that when the catches are depressed and the treadle operated the revolving table 14 will be set in motion, so

that the dishes thereon can be swung around to the persons desiring them, and the top is stopped by allowing the catch or catches to come again into engagement with the circular rack.

Slight and immaterial changes of construction might be resorted to by one skilled in the art to which my invention appertains without departing from any of its advantages, and hence it is to be understood that I do not limit myself to the precise construction herein shown and described, but consider myself entitled to all such variations as come within the sphere and scope of my invention.

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

1. In a self-waiting table, the combination with an outer top cut away in its center, of a rotatable top located in said cut-away portion, an annular toothed bar or rack connected to the rotatable top at or near the periphery thereof, a spring-pressed catch adapted for engagement with the rack, and means for rotating said top.

2. In a self-waiting table the combination with a stationary top cut away at its circular portion, of a circular rotatable top located in said cut-away portion, a circular rack connected to said rotatable top, a pivoted spring-pressed catch adapted for engagement with

the rack, and locks adapted for engagement with the catch to hold the same out of engagement with the rack.

3. In a self-waiting table, the combination with an outer stationary top, of a rotatable top movable in the stationary top, a bearing-plate provided with a ball-race, balls movable in said race, a pulley resting on said balls and connected with the rotatable top, and mechanism for turning said pulley whereby the rotatable top is set in motion.

4. In a self-waiting table, the combination with an outer stationary top cut away circularly, of a rotatable top located in said cut-away portion, a bearing-plate provided with ball-race, balls located in said race, a horizontally-disposed pulley resting on said balls and connected with the pulleys and the rotatable top, a treadle, a drive-pulley provided with a wrist-pin, a pitman connecting the drive-pulley with the treadle, and a belt or band passing around the drive-pulley and the horizontally-disposed pulley.

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

CHARLIE BOYD.

Witnesses:

C. H. BISHOP,

OLIVE LANDACRE.