G. JURESISIN.

SELF SERVING TABLE.

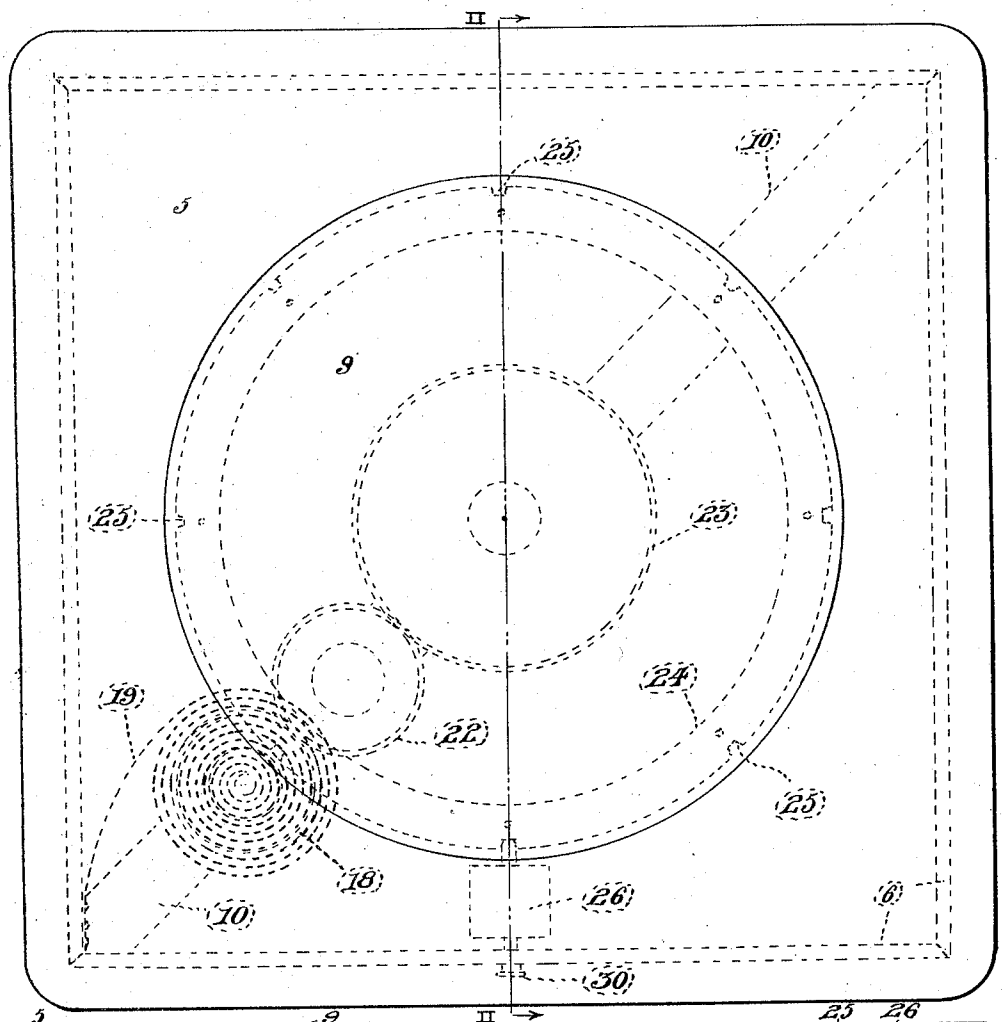
APPLICATION FILED SEPT. 19, 1919.

1,344,900.

Patented June 29, 1920.

2 SHEETS—SHEET 1.

FIG. 1.



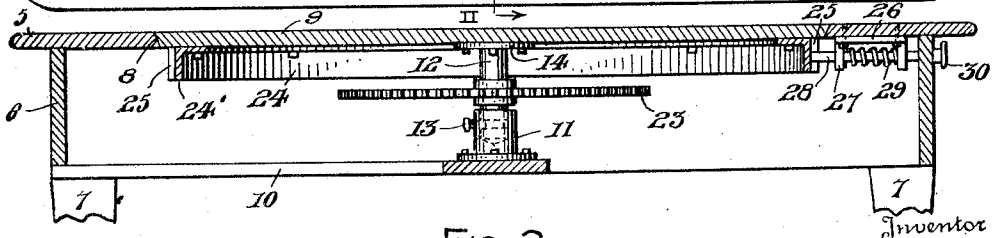


FIG. 2.

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2 SHEETS—SHEET 2.

FIG. 3.

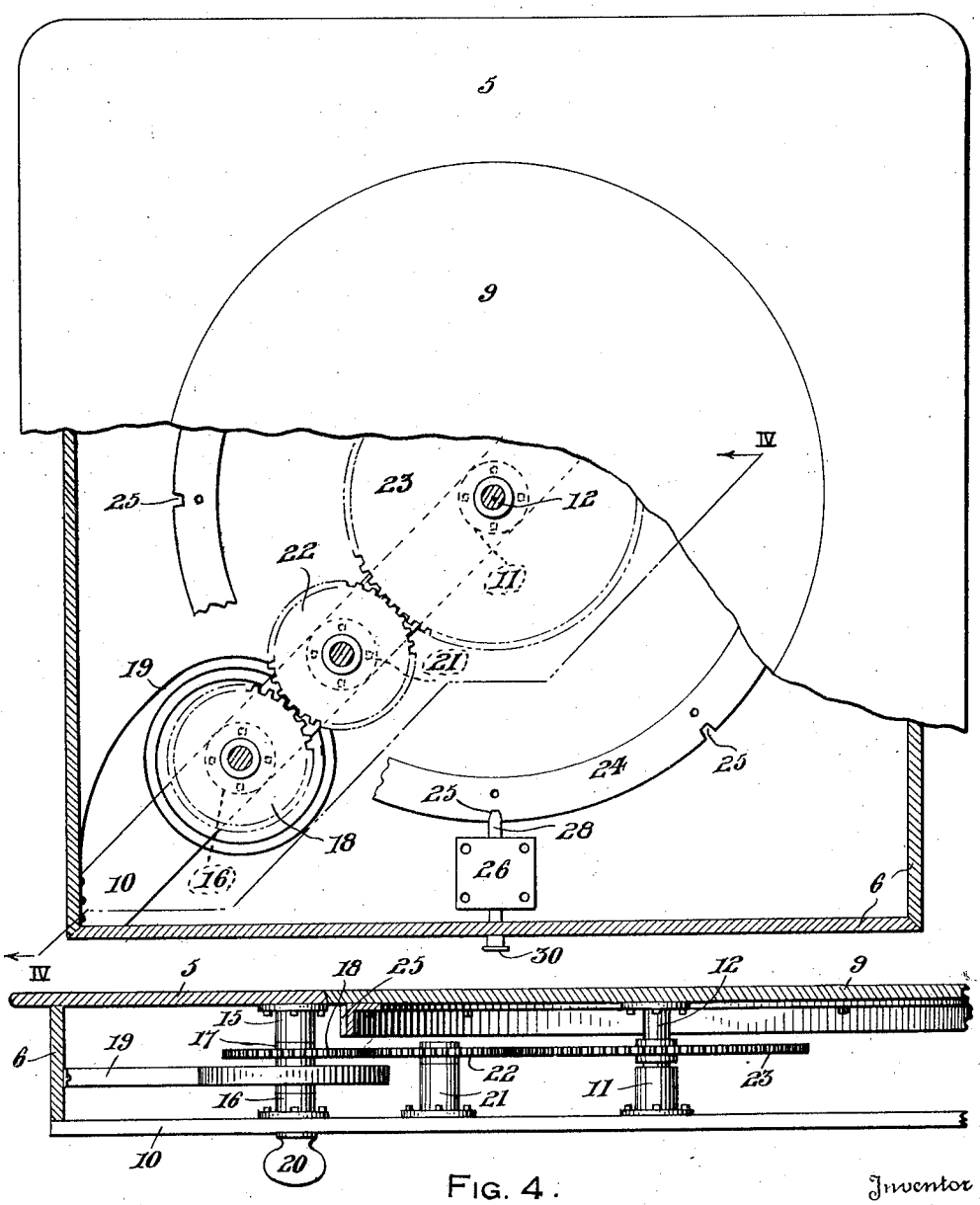


FIG. 4.

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UNITED STATES PATENT OFFICE.

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SELF-SERVING TABLE.

1,344,900. Specification of Letters Patent. Patented June 29, 1920.

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To all whom it may concern:

Be it known that I, GEORGE JURESISIN, a citizen of Czechoslovakia, residing at Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Self-Serving Tables, of which the following is a specification.

The primary object of the present invention resides in the provision of a self-serving table wherein there is provided a suitable table top of any preferred design with a relatively large centrally positioned rotatable plate adapted to carry dishes of food or other objects with means for rotating the plate, and means for holding the rotatable plate in any set position.

A further object of the invention consists in the provision of a spring motor associated with the rotatable plate of a self-serving table with manually operable means engaging the rotatable plate at spaced points for arresting rotary movement thereof.

With the above and other objects in view, the invention consists in the novel form, combination and arrangement of parts herein fully described and shown in the accompanying drawings and wherein like reference characters indicate similar parts throughout the several views.

In the drawings,

Figure 1 is a top plan view of a self-serving table constructed in accordance with the present invention, with the spring motor and driving gears shown in dotted lines.

Fig. 2 is a cross sectional view taken on line II—II of Fig. 1 showing the central rotating plate with the gear bearing and driving gear therefor, and also the manually controlled latch for holding the rotating plate stationary.

Fig. 3 is a top plan view of the table with a portion of the table top and rotatable plate broken away showing the arresting motion latch in engagement with the plate supporting ring, and

Fig. 4 is a cross sectional view taken on line IV—IV of Fig. 3 showing the key for winding the spring motor and the train of gears for driving the table plate.

Briefly described, the present invention aims to provide a self-serving table embodying a stationary table top of any preferred design with a relatively large central opening therein adapted for the reception of a plate rotatably supported flush with the upper surface of the table top. A spring motor is illustrated as a suitable driving means for the rotatable table plate, but it is to be understood that electrical devices may be substituted therefor. The entire driving mechanism for the rotating plate is supported on a bar connected to the table top supports and upon which support the rotatable bearing for the plate is mounted. A ring, angular in cross section, is carried by the rotatable plate and is provided with spaced sockets therein adapted for the reception of a manually controlled tensioned latch so that when the spring motor through the train of gears associated with the plate bearing rotates the plate, movement thereof may be arrested by the latch entering the approaching ring groove.

Describing the invention more in detail, there is illustrated a table top 5 of any preferred design supported on the frame 6 which frame is mounted upon the upper ends of the legs 7 illustrated in Fig. 2, while the table top has a relatively large downwardly beveled central wall 8 provided therein adapted for the reception of a rotating top plate 9 having the upper face thereof lying flush with the upper face of the table 5 and with its peripheral edge beveled coincident to the beveled wall 8 of the table top 5.

The device for supporting the circular plate 9 includes a bar 10 extending diagonally of the table top as illustrated in Fig. 3 and suitably secured to the leg 7 and the frame 6 as shown in Fig. 2, the bar 10 supporting the entire rotating mechanism to be described. A socketed bearing block 11 is centrally secured to the bar 10 and has journaled in the upper end thereof the vertically extending relatively short standard 12 rotatably retained in position in the socketed block 11 by the set screw 13 extending through the side wall of the block and entering an annular groove in the inner end of the standard 12, while the upper end of the standard is provided with a bearing plate 14 to which a rotating plate 9 is secured.

Oppositely positioned socketed blocks 15 and 16 are carried by the table top 5 and the bar 10 respectively and into which are journaled the opposite ends of the centrally positioned bearing member 17 carrying a gear 18. A band spring 19 has one end secured to the frame 6 as illustrated in Fig. 3 while

the other end is secured to the post 17 and is placed under tension by the key 20 extending below the bearing 10 and passing through the socketed bearing block 16 for engagement with the post 17. A bearing block 21 is mounted upon the bar 10 intermediate the blocks 16 and 11 and rotatably supports at its upper end a gear wheel 22 in constant mesh with the gear wheel 18 and also in constant mesh with the gear wheel 23 carried by the plate supporting standard 12.

A metallic ring 24 angular in cross section has one side thereof secured to the bottom face of the rotatable plate 9 as shown in Figs. 2 and 4 while the downwardly extending side 24′ of the ring is provided with spaced recesses or sockets 25. A manually controlled tensioned latch is associated with the notched side wall 24′ of the ring 24 and includes a plate 26 secured to the underside of the table top 5 and carrying depending brackets 27 through which a latch pin 28 is adapted to slide and be tensioned by a coil spring 29 surrounding the pin and confined between the brackets 22, the pin projecting outwardly of the table frame 6 and being provided upon its outer end with a hand grip 30.

From the above detail description of the invention, it is thought that the construction and operation thereof will at once be apparent, it being understood that the spring 19 is placed under tension by holding the latch 28 retracted from the ring grooves 25 and subsequently rotating the plate 9 which through the meshing gears 23, 22, and 18 will place said spring under tension, or if desired, the spring may be wound by the key 20 when the latch 28 is retracted. The latch 28 may then be released to cause the spring 29 thereof to project the same forwardly into the ring grooves 25, thus to arrest the reverse rotary movement of the rotatable plate 9. With articles placed upon the plate 9 at different points, and with persons seated about the table 5, the person at the table that is serving, may release the latch 28 by withdrawing upon the head 30 thereof to permit the spring 19 through the meshing gears to rotate the table top until the succeeding groove 25 in the ring comes into registry with the spring latch 28. With the ratio of gearing illustrated, undue jerking movements of the rotatable plate are obviated, and in order to insure an easy and slow movement of the plate, the operator may grasp key 20 to resist a too forcible movement of the spring 19. With this arrangement, all persons seated about the table may be served in order while the arrangement of objects positioned on the plate 19 will substantially remain the same at all times, thus to avoid confusion.

It is also contemplated to employ an electrical motor in lieu of this spring device as a means for rotating the table plate and this phase of the invention will fall within the scope of the invention, it being also understood that other changes in the details of construction may be made.

What is claimed as new is:—

A self-serving table comprising a stationary table top, a bar arranged parallel to the table top and positioned beneath the same, said table top having a central opening therein, a socketed block centrally mounted upon said bar, a standard journaled in said block, a rotatable plate secured to the upper end of said standard and lying within the table top opening flush with the upper surface of the table top, means for rotating the plate, means for arresting movement thereof, said plate rotating means including a vertical rotatable standard journaled between the stationary table top and bar, a gear fixed to said standard, a band spring having one end secured to said standard and the other end secured to the table frame, a key for placing the band spring under tension, a gear fixed to the plate supporting standard, an intermediate gear positioned between the aforesaid gears, and coöperating means carried by the stationary table top and rotatable plate for holding the plate immovable.

In testimony whereof I affix my signature.

GEORGE JURESISIN.