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A. EVANS

2,317,042

REVOLVABLE TABLE

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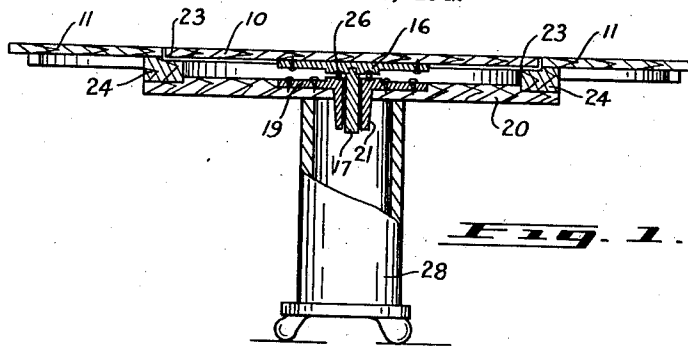


Fig. 1.

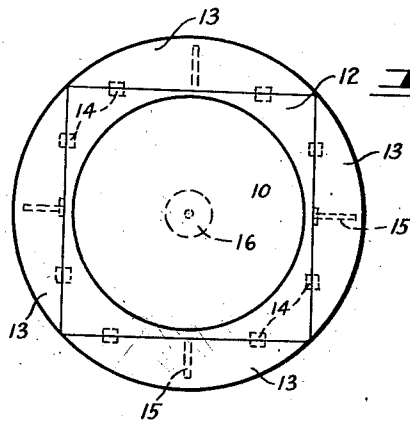


Fig. 2.

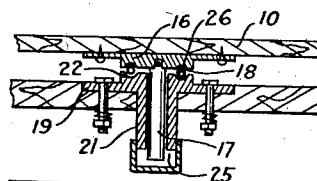


Fig. 4.

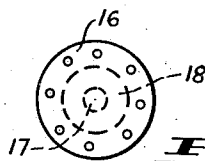


Fig. 3.

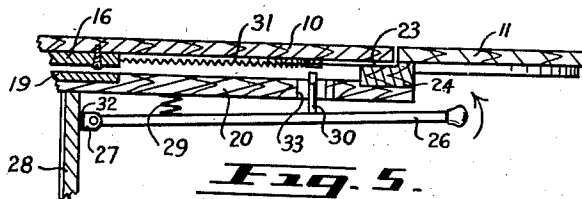


Fig. 5.

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REVOLVABLE TABLE

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1 Claim. (Cl. 311—33)

This invention relates to tables and more particularly to a table having a revolving center piece to facilitate the distribution of foodstuffs to persons seated around the periphery of the table, other uses are readily apparent such as to facilitate the passing of working equipment at desks and work benches.

The principal object of the invention is the provision of a seating whereby the table center is revolvable, other objects are to devise an efficient, comparatively inexpensive and durable structure of the character set forth. A still further object is to devise a table top including the revolvable center piece which is adaptable to center leg construction or the four legged type of table, and also adaptable to drop-leaf construction.

With these and other objects in view which may appear as the description proceeds the invention resides in the novel construction, combination and arrangement of cooperating parts as hereinafter more specifically set forth, claimed and shown in the accompanying drawing forming part of this application and in which:

Fig. 1 is an elevational view of my improved table shown partly in section.

Fig. 2 is a top plan view thereof.

Fig. 3 is a plan view of the bearing plate.

Fig. 4 is a detailed sectional view of the bearing.

Fig. 5 is a detailed sectional view showing the operating means for rotating the rotatable top.

Referring more in detail to the drawing in which similar reference characters designate corresponding parts throughout the several views, it will be seen that the invention consists of a circular center piece 10, which lies flush with the fixed peripheral top portion 11, of the table. As shown in Fig. 1, the embodiment of the invention provides a circular center piece and an annular peripheral top portion 11, which is of sufficient depth to hold each individual dinner services or, in the case of a work table whatever articles each person uses individually. The device of Fig. 2, has the circular center piece set in a square frame 12, and drop leaves 13 hinged thereto at 14, the said drop leaves are supported on any type of bracket 15, common to drop leaf style tables.

In my detail views I have shown the device adapted to center leg tables but it is obvious that a leg could be attached to the corners of the member 12, in which instance the table would be supported on four legs.

Referring now to the rotatable support for the table center I provide a plate 16, which is screwed or otherwise secured to the under surface of the

center piece 10, and a spindle 17, depends centrally therefrom. The said spindle is threadably secured to the plate. A ball race 18, is also formed in the plate 16, around the spindle. A second plate 19, is secured to the support 20, of the table. The plate 19, is provided with a tubular boxing 21, to receive the spindle 17, of the upper plate and a complementary ball race 22, is formed therein.

The under edge of the periphery of the center piece slidably rests on or immediately above an annular ledge 23, formed by the block 24, which supports the center piece in alignment and also to which the member 11, is secured. A cup 25 is threadably attached to the boxing so that oil will be trapped therein from the boxing and ball race.

From the foregoing and from perusal of the accompanying illustration it will be apparent that the outer surface of the table top is supported by the member 20, in much the same manner as the usual table top and that the center piece is supported on the ball bearings 26, between the plates 16 and 19.

In the modification of Figure 5, I propose to support the rotatable table top in exactly the same way as hereinbefore disclosed. In addition I provide means whereby the center portion may be partly rotated by means of an arm 26, pivoted to a bracket 27, on the leg 28, of the table. A coil spring 29, interposed between the member 29 and the arm 26 normally urges the arm downward. To operate the said arm it is necessary to raise the arm upward against the spring so that a dog 30, upstanding from the arm engages the teeth in an annular band 31, on the under surface of the center piece 10. The bracket 27, is hinged at 32, to permit lateral movement of the arm whereby the table center piece may be partly revolved clockwise or counterclockwise within the predetermined limits of a slot 33, in the support 29. When the handle 26, is released it drops downward from the annular member 31, in an inactive position.

It is believed that the construction and advantages of the structure shown may be apparent from the foregoing paragraphs taken in conjunction with the accompanying drawing without further detailed description.

While the preferred embodiment of the invention has been disclosed it is understood that minor changes in the details of construction, combination and arrangement of co-operating parts may be resorted to within the scope of

what is claimed without departing from the spirit of the invention.

I claim:

A revolving table comprising a fixed supporting member, a rotating top mounted on said supporting member, an annular rack bar secured to the underside of said top, an operating lever hinged at one end to said supporting member to

swing in a vertical and horizontal plane with respect to the underside of said top, and a dog carried by said lever adapted to engage said rack bar upon upward movement of said lever whereby said top is rotated upon horizontal movement of the lever.

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