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REVOLVING ATTACHMENT FOR DINING TABLES

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FIG. 1 -

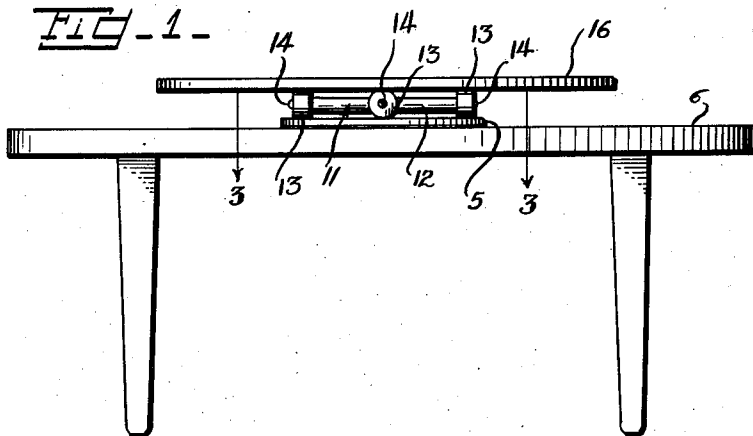


FIG. 2 -

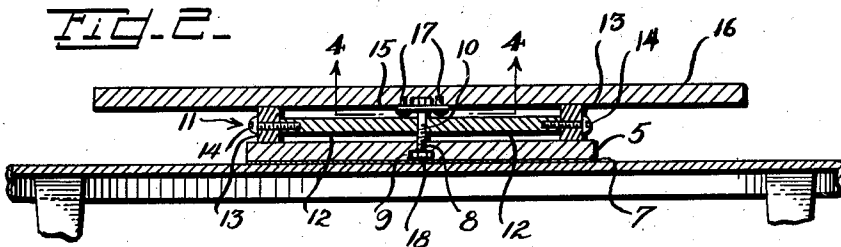


FIG. 3 -

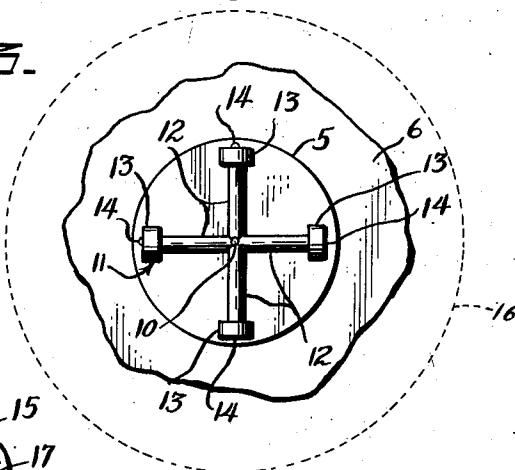
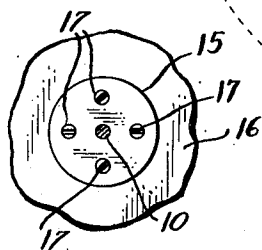


FIG. 4 -



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REVOLVING ATTACHMENT FOR
DINING TABLES

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1 Claim. (Cl. 311—32)

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This invention relates to new and useful improvements and structural refinements in revolving attachments for dining tables and the like, and the principal object of the invention is to provide a device of the character hereindescribed, which may be readily and conveniently positioned on a table top to provide a revolving extension, so to speak, in order to eliminate the necessity of passing dishes around the table in the conventional manner. A further object of the invention is to provide an attachment which may be easily manipulated.

Another object of the invention is to provide an attachment which is simple in construction and which may be conveniently stored when not in use.

An additional object of the invention is to provide an attachment which will easily lend itself to economical manufacture.

A still further object of the invention is to provide an attachment which cannot easily be damaged.

With the above more important objects in view, and such other objects as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the invention, showing the same in situ on a table,

Figure 2 is a cross sectional view of the subject illustrated in Figure 1,

Figure 3 is a cross sectional view, taken in the plane of the line 3—3 of Figure 1, and

Figure 4 is a cross sectional view, taken in the plane of the line 4—4 of Figure 2.

Like characters of reference are used to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a disc-like base 5, adapted for positioning on a suitable table 6 and provided for this purpose on the under side thereof with a pad of felt, or the like, 7, to prevent scratching the table top.

The base 5 is provided in the center thereof with a bore 8 and a counter-bore 9 and an upstanding pivot bolt 10 is rotatably positioned in the bore 8, as will be clearly apparent from the accompanying drawings.

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A bearing race designated generally by the reference character 11, comprises a plurality of radially extending arms 12, the same being arranged in substantially cross-shaped formation, with the intersection thereof rotatably positioned on the bolt 10. A rotatable roller 13 is mounted at the outer end of each of the arms 12 on a suitable screw 14, the several rollers engaging and running on the base 5.

The upper end of the bolt 10 is provided with a mounting flange 15 and a circular table top 16 is secured to this flange, by means of a plurality of bolts 17.

It will be noted that the table top 16 runs freely on the rollers 13, as will be hereinafter more fully explained.

An adjusting nut 18 is positioned on a screw-threaded portion at the lower end of the bolt 10, the nut being receivable in the aforementioned counter-bore 9, in order that the same does not project beyond the lower surface of the base 5.

When the invention is placed in use, the attachment is positioned on the table 6 as already set forth, and the adjusting nut 18 should first be tightened sufficiently to provide proper friction between the base 5, the race 11 and the top 16, whereby the three stated components are held together.

This frictional contact, however, should not be too excessive and it will be found that the table top 16 may be freely rotated upon the bearing race 11, and the advantages of the invention thus become clearly apparent.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination, and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim as my invention is:

A revolving attachment for dining tables and the like, comprising in combination, a disc-like base adapted for positioning on a table, an upstanding pivot bolt rotatably positioned in the center of said base, a plurality of radially extending arms connected to said bolt, a rotatable roller mounted on the outer end of each of said arms, said rollers running on said base, a flange at the upper end of said bolt, a circular table top mount-

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ed upon said flange and running on said rollers,
and an adjusting nut at the lower end of said
bolt.

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REFERENCES CITED

The following references are of record in the
file of this patent:

UNITED STATES PATENTS

Number	Name	Date
21,885	Kinkhead	Oct. 26, 1858
138,072	Caple	Apr. 22, 1873

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Number	Name	Date
913,110	Eccleston	Feb. 23, 1909
944,158	Smith	Dec. 21, 1909
984,479	Griswold	Feb. 14, 1911
5 1,139,564	Oberg et al.	May 18, 1915
1,444,042	Schwalbach	Feb. 6, 1923
1,631,195	Ford	June 7, 1927
1,740,831	Patterson	Dec. 24, 1929
2,062,807	Cramer	Dec. 1, 1936
10 2,075,833	Smith	Apr. 6, 1937