

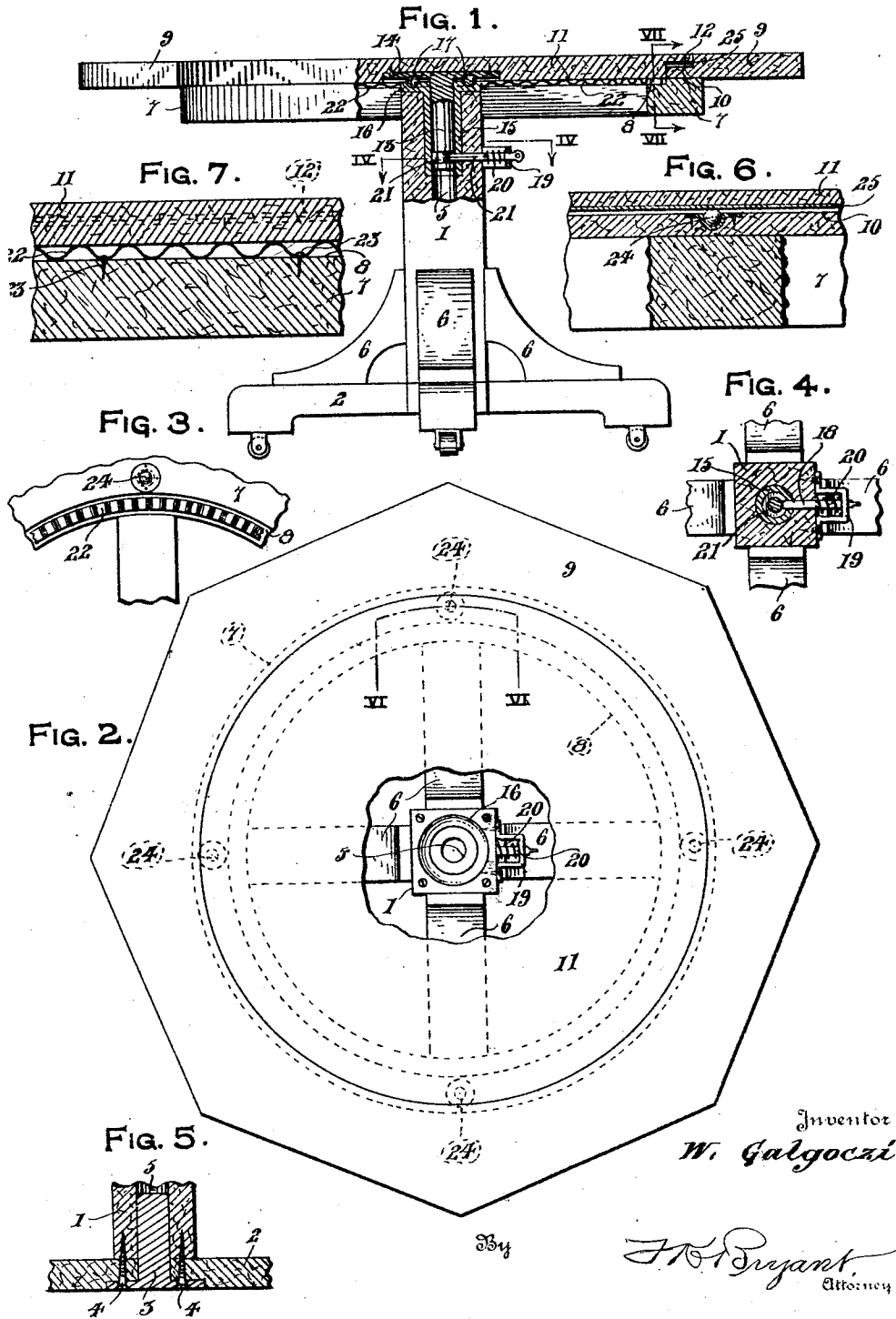
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DINING TABLE

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UNITED STATES PATENT OFFICE.

WALTER GALGOCZI, OF ROSEBUSH, MICHIGAN, ASSIGNOR OF ONE-THIRD TO PAUL JOHN, OF EAST CHICAGO, INDIANA.

DINING TABLE.

Application filed May 25, 1923. Serial No. 641,439.

To all whom it may concern:

Be it known that I, WALTER GALGOCZI, a citizen of the United States of America, residing at Rosebush, in the county of Isabella and State of Michigan, have invented certain new and useful Improvements in Dining Tables, of which the following is a specification.

This invention relates to certain new and useful improvements in dining tables and particularly to the type generally known as the self-serving kind wherein a section of the table top is rotatably mounted for moving objects thereon to various positions with respect to the outer edge of the table top.

The primary object of the invention resides in the provision of a dining table wherein a pedestal rigidly supports an outer ring section of the table top while the central disk portion of the table top lying flush with the outer ring portion is rotatably supported in the pedestal in a manner to permit removal thereof when desired.

A further object of the invention is to provide overlapping edges for the ring and rotatable disk sections of the table top as above described with a friction strip and anti-friction bearing balls interposed between the overlapping edges, the friction strip preventing free movement of the rotatable disk portion while the bearing balls facilitate rotation thereof.

With the above and other objects in view as the nature of the invention is better understood, the same consists of the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters designate corresponding parts throughout the several views,

Figure 1 is a side elevational view, partly shown in section of a dining table constructed in accordance with the present invention, showing the rigidly supported outer ring section of the table top and the rotatable inner disk portion thereof,

Figure 2 is a top plan view of the table, partly broken away showing the socket in the pedestal for the bearing shaft carried by the rotatable table top section,

Figure 3 is a fragmentary top plan view showing the anti-friction bearing balls and the friction strip interposed between the stationary and revoluble table top section,

Figure 4 is a detail sectional view taken on line IV—IV of Fig. 1, showing the spring catch for removably retaining the rotatable table top section in position,

Figure 5 is a detail sectional view showing the construction of the lower end of the pedestal,

Figure 6 is a detail sectional view taken on line VI—VI of Fig. 2 showing the anti-friction bearing ball interposed between the table top sections, and

Figure 7 is a detail sectional view taken on line VII—VII of Fig. 1 showing the anti-friction strip.

Referring more in detail to the accompanying drawing, there is illustrated a dining table embodying a pedestal 1 secured at its lower end, as shown in detail in Fig. 5 to the spaced feet 2 by a stud 3 anchored to the base feet as at 4 and extending upwardly into the bore 5 of the pedestal, the fastening devices 4 extending through the studs 3, base feet 2 and the lower end of the pedestal 1 as illustrated.

Radial supporting bars 6 are carried by the upper end of the pedestal 1 and support a ring 7 at their outer end that is rabbeted at its inner upper edge as at 8. A rigid outer table top section in the form of a ring 9 is secured to the ring 7 supported by the radial bars 6, the inner circular wall of the rigidly mounted table top section 9 being rabbeted at its upper edge as at 10.

A rotatable table top disk section 11 is supported within the outer fixed ring section 9 with the lower outer edge thereof rabbeted as at 12 and disposed to overlies the rabbeted portion 10 of the ring section 9, the central portion of the rotatable section 11 carrying a depending stub shaft 13 that is countersunk therein by the plate 14 carried by the stub shaft as clearly shown in Fig. 1, the stub shaft extending into the upper end of the bore 5 of the pedestal 1 and being enclosed by the collar 15 set into the upper end of the bore with an annular flange 16 carried by the collar overlying the upper end of the pedestal 1. Anti-friction bearing balls 17 are interposed between the shaft plate 14 and the collar flange 16. The table top section 11 being removable from the pedestal 1, the same is retained in position upon the pedestal by the pin 18 passing through the strap guide 19 carried by the pedestal, the pin being spring pressed as at

20 and passing through an opening in the pedestal, and an opening adjacent the lower end of the collar 15 with the inner end thereof projecting into the annular groove
5 21 formed in the lower end of the stud.

To prevent unrestricted rotation of the disk table top section 11 with respect to the fixed outer ring section 9, a wavy metallic strip 22 is anchored as at 23 in the rabbeted
10 portion of the ring 7 and with which the lower edge of the rotatable disk section 11 engages as shown in Figs. 1 and 7, the rabbeted portion 10 of the fixed ring section 9 having spaced anti-friction bearing balls
15 24 seated therein while the rabbeted portion 12 of the table top section 11 carries a wearing band or strip 25 engaging the bearing balls 24 facilitating rotation of the disk section 11.

20 From the above detailed description of the device, it is believed that the construction and operation thereof will at once be apparent, it being noted that the rotatable table top section 11 may be removed from
25 the table frame by releasing the spring pressed finger 18 from engagement with the lower end of the stub shaft 13 carried by the top section 11, while rotation of the top section 11 may be easily accomplished, the
30 friction strip 22 preventing loose play between the fixed and movable table top sections as will at once be obvious.

While there is herein shown and described the preferred embodiment of the present in-
35 vention, it is nevertheless to be understood

that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:—

In a dining table of the type described, a
40 pedestal having a bore, radially extending supporting bars secured to the upper end of the pedestal, a supporting ring secured to the ends of said bars, a rigid table top
45 section in the form of a ring secured to the top space of the supporting ring, said supporting ring and table top ring having their upper inner edges rabbeted, anti-friction
50 ball bearings mounted in the rabbeted edge of the table top ring, a wavy metallic friction ring mounted in the rabbeted edge of the supporting ring, a metallic collar inserted in the upper end of the bore of said
55 pedestal and having an annular flange bearing against said pedestal end, anti-friction ball bearings mounted in said flange, a disk-shaped table top section having its lower
60 peripheral edge rabbeted for engaging the ball bearings carried by the table top ring section, a depending stub shaft carried by the last mentioned table top section projecting
65 into the bore of said sleeve, and a spring pressed pin carried by said pedestal engaging said stub shaft for separably holding the disk-shaped table top section in position to bear against the anti-friction rollers and the friction ring.

In testimony whereof I affix my signature.

WALTER GALGOCZI.