J. T. VILES.

REMOVABLE PETAL DINING TABLE.

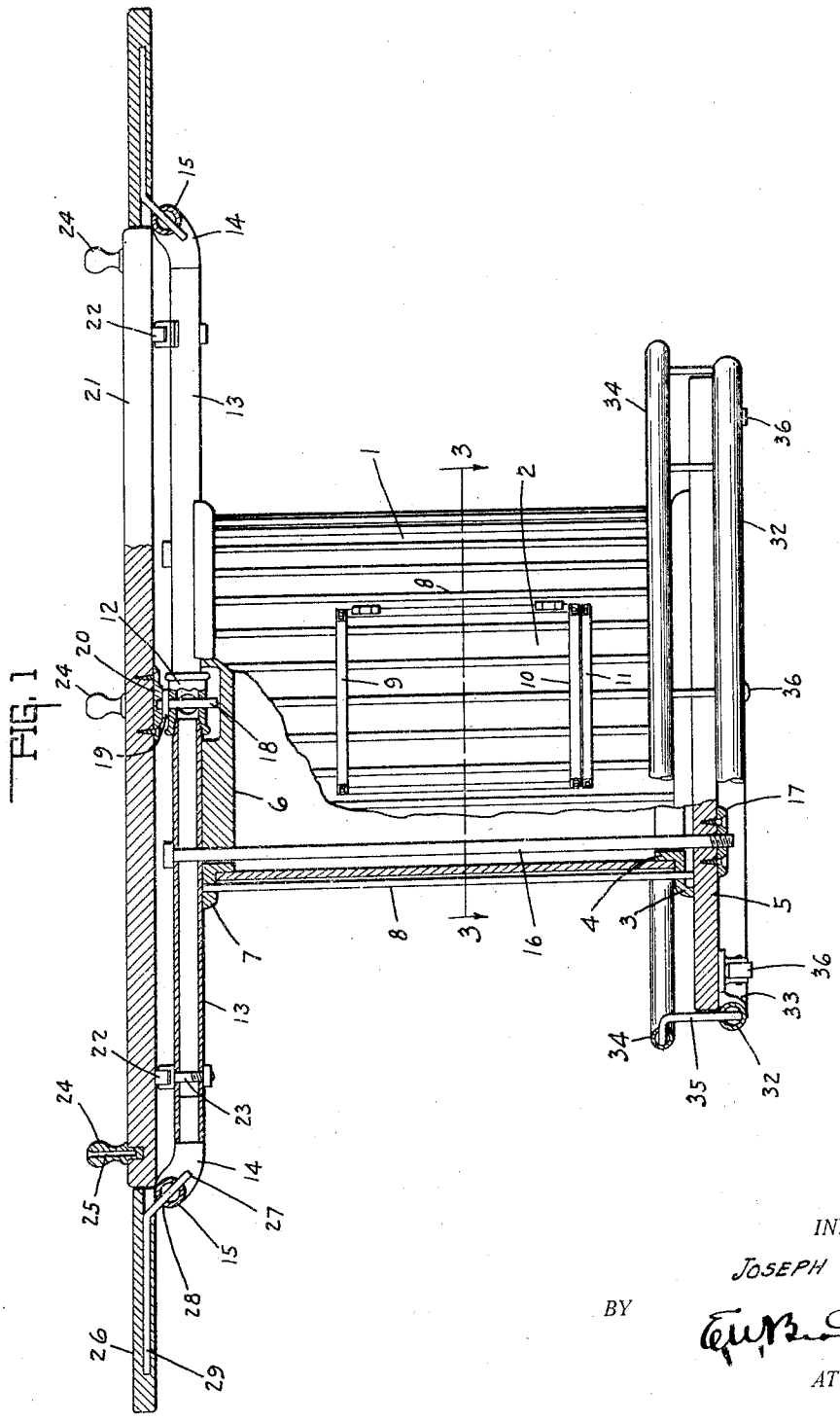
APPLICATION FILED OCT. 27, 1920.

1,406,116.

Patented Feb. 7, 1922.

2 SHEETS—SHEET 1.

FIG. 1



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2 SHEETS—SHEET 2.

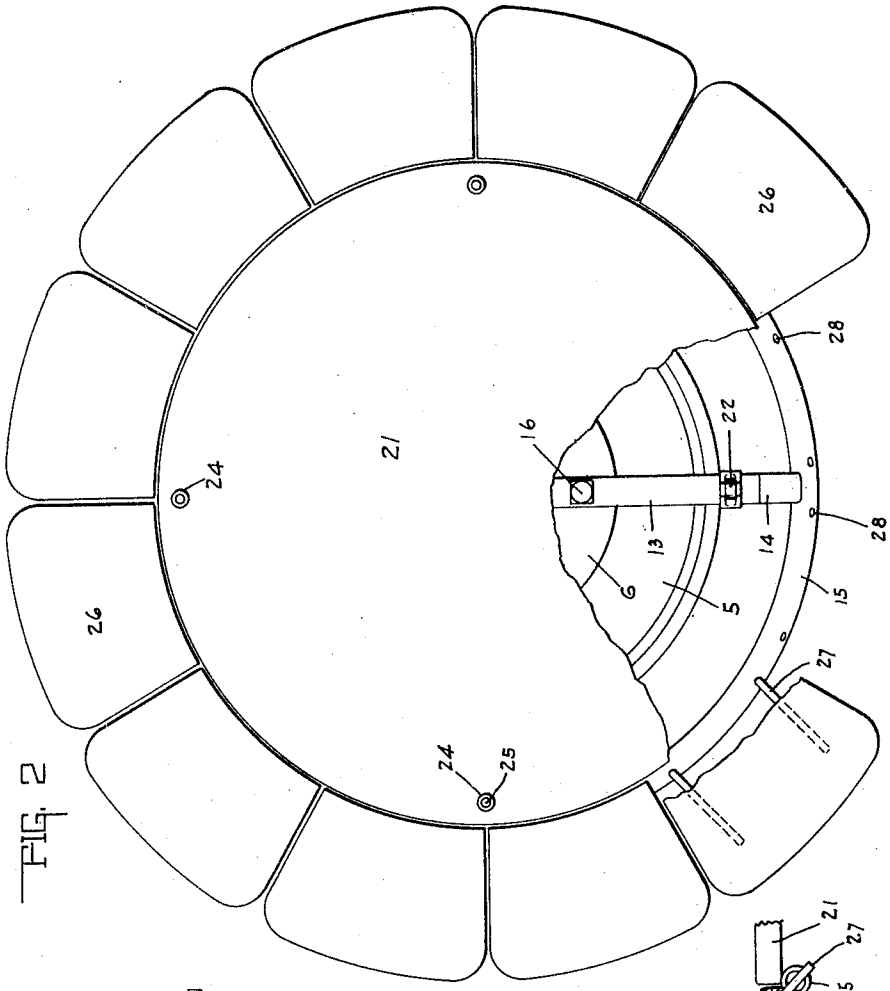


FIG. 2

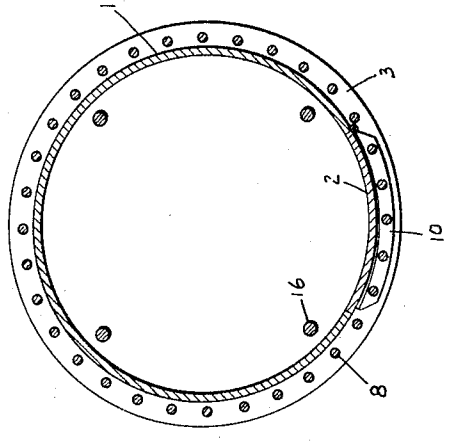


FIG. 3

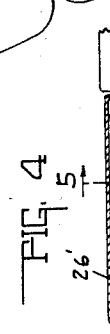


FIG. 4

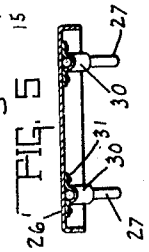


FIG. 5

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UNITED STATES PATENT OFFICE.

JOSEPH T. VILES, OF INDIANAPOLIS, INDIANA.

REMOVABLE-PETAL DINING TABLE.

1,406,116. Specification of Letters Patent. Patented Feb. 7, 1922.

Application filed October 27, 1920. Serial No. 419,951.

To all whom it may concern:

Be it known that I, JOSEPH T. VILES, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Removable-Petal Dining Tables, of which the following is a specification.

This invention relates to dining tables and the main feature of the invention is the provision, in connection with a revolving top for the table, of a plurality of removable sections in the shape of the petals of a flower or plant, said sections forming surfaces upon which to dine when food is placed upon the revolving portion of the table top.

A further feature of the invention is the provision of means for easily and quickly attaching the removable sections to the main portion of the table structure.

A further feature of the invention is the provision of a pedestal which is hollow and forms a housing for the removable sections when they are not in use, a door being provided in the pedestal through which the removable sections may be entered.

A further feature of the invention is the provision of means for ornamenting the pedestal and other parts of the table structure.

A further feature of the invention is the provision of knobs in connection with the revolving table top whereby the top may be readily rotated, said knobs being so arranged as to serve as tooth pick holders.

A further feature of the invention is the provision of means for attaching trimmings and guard rails to the base of the pedestal, said base having casters attached thereto whereby the table may be readily moved from place to place.

Other objects and advantages will be hereinafter more fully set forth and pointed out in the accompanying specification.

In the accompanying drawings which are made a part of this application,

Figure 1 is a side elevation of the table structure showing parts thereof in section,

Figure 2 is a top plan view of the table structure with parts broken out,

Figure 3 is a sectional view as seen on line 3—3 Figure 1,

Figure 4 is a detail sectional view through a modified form of removable section, and

Figure 5 is a sectional view thereof as seen on line 5—5 Figure 4.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a pedestal which is preferably constructed of sheet metal and hollow, said pedestal having a door section 2 cut therein so that ready access may be had to the interior of the pedestal. Connected with the lower end of the pedestal 1 is a molding 3 having a flange 4 which fits within the end of the pedestal, the opposite edge of the molding resting upon a base 5. Entering the upper end of the pedestal 1 is a solid head 6 which has a flange 7 projecting outwardly a distance over the upper end of the pedestal, and extending from the molding to the flange 7 of the head are a plurality of rods 8 which serve to enhance the appearance of the table as well as for somewhat reinforcing and bracing the same, the ends of the rods projecting through the molding and flange.

Owing to the fact that some of the rods are positioned in the path of the door 2, such rods as come in the path of the door are formed in sections, bars 9 and 10 being attached to the upper and lower edges of the door 2 through which the upper portions of the rods 8 extend and by which said sections of the rods are carried, the lower sections of said rods entering a bar 11 positioned immediately below the bar 10 and being stationary. By forming the rods over the door in sections and connecting them in the manner described the upper portions of said rods will swing with the door while the lower portions thereof will remain stationary. Positioned centrally above the pedestal 1 is a fourway coupling 12 into which are entered one end of radiating pipe sections 13, the outer ends of said pipe sections having brackets entered therein, which brackets support a circular ring 15, said pipe sections and ring forming a frame structure. The pedestal 1, base plate 5 and the pipe

sections 13 are interlocked with each other by extending bolts 16 downwardly through the pipe sections and the pedestal and base, the lower ends of said bolts being threaded through plates 17 attached to the lower face of the base plate 5, the pipe sections 13 preferably resting directly on the head 6.

Extending downwardly through the center of the coupling 12 is a pin 18, said pin having a collar 19 which rests on the upper face of the coupling, that portion of the pin 18 projecting above the collar having a swivel plate 20 mounted thereon which carries the table top 21, so that said top can be readily revolved on the pin. In order to readily rotate the table top, rollers 22 are positioned below the top 21, said rollers being attached to the pipe sections 13 by extending bolts 23 downwardly from the rollers and through said pipe sections. In order to readily operate the table top 21, a plurality of knobs 24 are attached to the table top preferably adjacent the peripheral edge thereof so that all can be readily grasped for rotating the top, and if desired each knob may be provided with a cavity 25 into which may be placed tooth picks or similar articles.

As best shown in Figure 2 of the drawings, the table is circular and in order to increase the capacity of the top and at the same time provide stationary portions 26 which when assembled around the top 21 have the general appearance of petals of a flower or plant, the sections 26 having anchoring rods 27 attached thereto, the free ends of which rods pass through bores 28 in the circular ring 15, the free ends of the anchoring rods extending at an angle so that they will readily enter the bores 28 and hold the sections 26 in a horizontal position and stationary. When the sections are formed of wood they have longitudinal sockets 29 into which one end of the anchoring rods 27 are secured.

As best shown in Figures 4 and 5 of the drawings, the sections may be formed of metal, in which instance the anchoring rods 27 are secured to the under faces of the sections 26′ by means of housings 30 which fit around the anchoring rods and have flanges 31 for securing them to the under face of the sections 26′. If desired a rail 32 may be positioned around the edge of the base 5, and is supported from the base by means of brackets 33, and in addition to the rail 32 a guard rail 34 may be provided which is positioned in a plane above the base 5 and supported from the rail 32 by standards 35. The base 5 is provided on its under surface with the usual form of casters 36 so that the table may be readily moved from place to place. The sections 26 are so constructed that they may be quickly and easily attached to the ring 15 by inserting the projecting ends of the anchoring rods 27 through the bores 28 and when the table is not in use or when the extra surface provided by the removable sections is not required, said sections may be removed and placed within the pedestal 1 through the doorway 2. It will also be understood that the knobs 24 may be removed from the table top 21 when the table is not in use.

Having thus fully described my said invention, what I claim as new and desire to secure by Letters Patent, is:

1. A table construction, comprising a hollow pedestal, a door hinged to said pedestal, a plurality of pipe sections radiating from the center of and connected with the upper end of said pedestal, a circular ring carried by said pipe sections, a table top rotatably mounted above said pipe sections, a plurality of removable sections for increasing the diameter of the table top, and means for anchoring said removable sections around the peripheral edge of the table top and to said circular ring.

2. In a table construction, a hollow pedestal, means for gaining access to the interior of said pedestal, a table top rotatably mounted above said pedestal, a plurality of pipes radiating from the axis of said pedestal, a hollow ring attached to the outer ends of said pipes and positioned adjacent the peripheral edge of said top, a coupling connecting the inner ends of said pipes, a pin carried by the top and extending through the coupling for supporting said table top, a plurality of removable sections, and means for removably attaching said sections to the hollow ring around the peripheral edge of the top.

3. In a table construction, a hollow pedestal, a supporting base for said pedestal, a frame-like structure above the pedestal comprising a plurality of pipe sections radiating from the end of said pedestal, a coupling connecting the inner ends of said pipe sections, a circular ring connecting the outer ends of the pipe sections, bolts extending vertically through the pipe sections of the frame-like member of the pedestal and base for locking them together, a table top rotatably mounted above the frame structure, and a plurality of removable sections adapted to be positioned around the peripheral edge of the table top and connected with said ring.

4. In a table construction, a hollow pedestal, a door hinged to said pedestal, a head at the upper end of said pedestal, a base at the lower end of the pedestal trimming rods surrounding said pedestal and arranged vertically thereof, the trimming rods in the

path of said door being formed in sections, means for supporting the sectional trimming rods, a rotatable table top above said pedestal, and a plurality of removable sections around the peripheral edge of the table top.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, this 25th day of October, A. D. nineteen hundred and twenty.

JOSEPH T. VILES. [L. S.]

Witnesses:
CAREY S. FRYE,
M. L. SHULER.