I. Y. CASSIANO.

DINING-TABLE.

No. 184,340. Patented Nov. 14, 1876.

Fig. 1

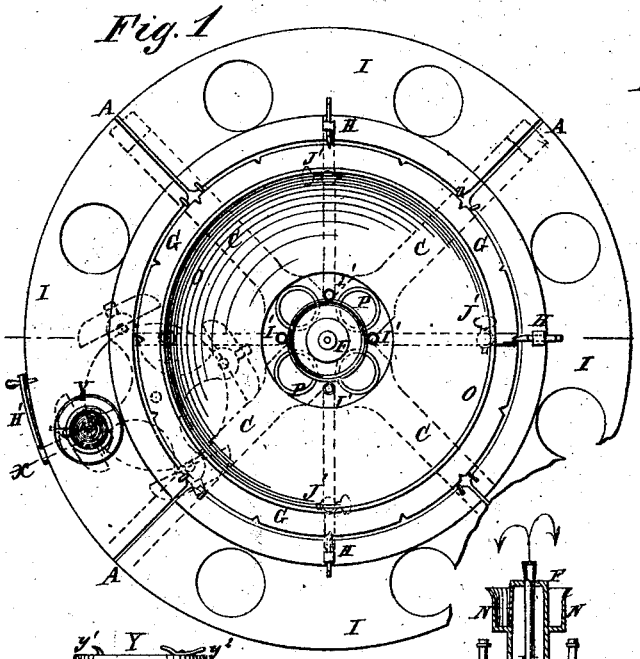


Fig. 2

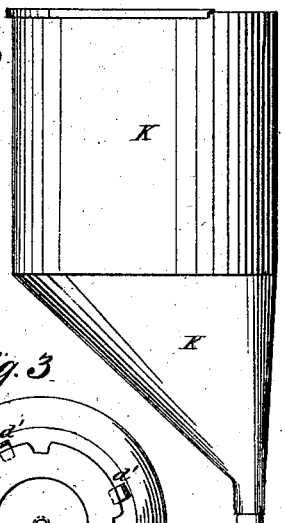


Fig. 3

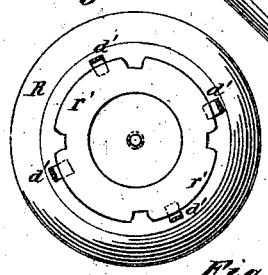
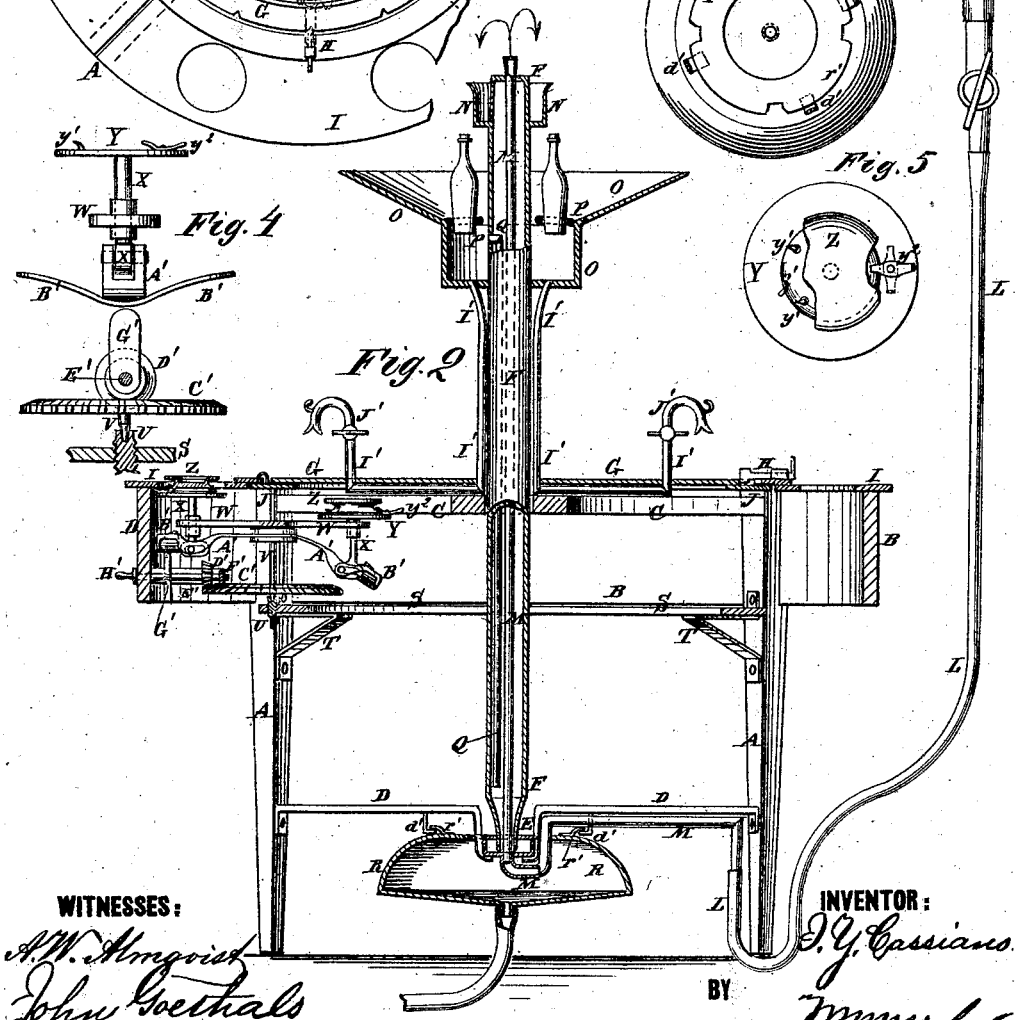


Fig. 5

Fig. 4

Fig. 2



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UNITED STATES PATENT OFFICE.

I. YGNACIO CASSIANO, OF SAN ANTONIO, TEXAS.

IMPROVEMENT IN DINING-TABLES.

Specification forming part of Letters Patent No. **184,340**, dated November 14, 1876; application filed September 22, 1876.

To all whom it may concern:

Be it known that I, I. YGNACIO CASSIANO, of San Antonio, in the county of Bexar and State of Texas, have invented a new and Improved Dining-Table, of which the following is a specification:

In the accompanying drawing, Figure 1 is a top view of my improved dining-table. Fig. 2 is a vertical cross-section of the same, taken through the line X X, Fig. 1. Fig. 3 is a detail top view of the waste-water receiver. Fig. 4 is an enlarged detail view of a part of the device for holding and changing the plates, and Fig. 5 is a detail top view of the plate-holder and plate, parts of the plate being broken away to show the fastenings.

The object of this invention is to furnish an improved dining-table, which shall be so constructed as to enable each person sitting at the table to bring the various dishes within his reach, which will enable the plates to be changed by mechanical means, which will enable each person to help himself to water when desired, which will keep bottles of wine or other substances cool, and which shall be provided with a fountain to keep the air cool and refreshing.

The invention consists in the combination of the reservoir, the pipe, and the basin, with the tube that carries the central revolving part of the table-top; in the combination of the ring-cup with the revolving tube, the inlet-pipe, and the fountain-basin; in the combination of the rack or bottle-holder with the tube and the fountain-basin; in the combination of the pipes and the faucets with the fountain-basin, the tube, and the central revolving part of the table-top; in the combination of the ring-plate, the screw-socket, the shaft, the armed plate, the pins, the plate-holders, the springs, the cross-plates, the gear-wheels, the shaft, the arm, and the crank, with the frame and the segmental top of the table; in the combination of the detachable receiver with the tube, the waste-pipe, and the lower cross-bars of the table-frame, as hereinafter fully described.

In the drawing, A represents the posts, which are connected at their upper ends by a circular band, B, and by radial cross-bars C. To the lower part of the legs A are attached the outer ends of radial bars D, the inner ends of which are attached to a socket or step, E, in which revolves the lower end of a tube, F. To the tube F is attached the circular middle part G of the table-top, upon which the dishes to be served are placed, so that by revolving the said part G each person sitting at the table can bring any desired dish within his reach. The circular part G of the table-top may be locked in any desired position by sliding-bolts H attached to the ring part I of the table-top, and shooting into notches in the edge of the said circular part G, a bolt, H, being placed within reach of each person sitting at the table.

The ring part I of the table is made in sections, and each section is hinged by hooks and eyes, or other hinges, to the radial top bars C, so that their outer edges may be turned up to give access to the spaces beneath them. In the segments I, directly opposite the place where each person is to sit, are formed holes of such a size as to allow plates to pass up and down through them freely. The outer edges of the circular part G, and the inner edges of the ring part I, of the table-top, rest upon a ring-plate, J, attached to the radial top bars C. K is a reservoir to receive water, which reservoir is attached to some suitable support at a higher elevation than the table, and with the lower end of which is connected the lower end of a rubber tube, L. The other end of the tube L is attached to the end of a pipe, M, which is attached to one of the bottom bars D, passes into the lower end of the tube F, through the bottom of the socket E, passes up through the said tube E, and projects through a hole in its upper end. The pipe M has a nozzle formed upon or attached to its upper end, so that the water may be forced out in a jet or spray. To the upper end of the tube F is attached a ring-cup, N, to receive flowers, so that the jet or spray may seem to rise out of the center of a bouquet. The water from the pipe M, as it falls, is received in a basin, O, attached to the tube F, and which is provided with a holder or rack, P, for holding bottles of wine to be cooled. When the water in the basin O reaches the desired height, it escapes through the overflow-pipe Q which passes in-

to the tube F, passes down to, or nearly to, the bottom of the said tube F, and discharges the water into the receiver R. The receiver R is detachably secured to the bottom cross-bars D by a flange, r', attached to its top, and notched to receive hooks d' attached to the bars D, so that it may be secured by passing the notches of the flange over the said hooks, and then turning the receiver partly around, as indicated in Fig. 3.

The waste water may be drawn from the receiver R through a pipe or faucet attached to its bottom or lower part. S is a ring-plate secured to arms, T, attached to the legs A. To the ring-plate S, opposite the seat of each person, is secured a screw or stud, U, in the upper end of which is formed a hole to receive the lower end of the shaft V. The upper end of the shaft V revolves in bearings in the ring-plate J, and to said shaft, a little below its upper end, is attached a four-armed plate, W. The plates W may have more or less than four arms, if desired. In the outer ends of the arms of the plate W are formed holes to receive the pins X, to the upper ends of which are attached the plates Y for holding the dining-plates Z. The plates Z are made with a base flange or foot, z', in which are formed holes to receive the hooks y^1, attached to the holder Y, and upon which it is secured by the buttons y^2.

The hooks y^1 may be formed to receive the edges of the flange z'. The lower ends of the pins X are hinged to springs A′, the inner ends of which are attached to the middle part of the armed plate W, or to a hub secured to the shaft V beneath the said armed plate W. To the under side of the outer ends of the springs A′ are attached narrow cross-plates B′, the end parts of which are slightly curved or inclined upward, as shown in Fig 4. To the lower part of the shaft V is attached a large bevel-gear wheel, C′, into the teeth of which mesh the teeth of a small bevel-gear wheel, D, attached to a shaft, E′. The shaft E′ revolves in bearings in the band B, and in a bracket, F′, attached to said band. To the shaft E′ is attached an arm, G′, which, as the wheel C′ is revolved into such a position as to bring the plates Z directly below the hole in the ring-segment I, strikes the plate B′, and raises it, forcing the pin X up through the hole in the arm of the armed plate W, and raising the dining-plate above the surface of the table. The shaft E′ is rotated by a crank, H′, attached to its outer end, and which is provided with a pin or spring-catch to engage with a catch-plate attached to the band B, and lock the crank in place when in position to hold the dining-plate above the surface of the table.

With this construction, when the plates are to be changed the crank H′ is turned, which lowers the plate that has been used, carries it in beneath the table-top, and raises a clean plate through the opening in the segment I ready to be used.

To the bottom or lower part of the fountain-basin O are attached pipes I′, which pass down along the sides of the tube F, along the under side of the revolving center-top I, up through said top, and have faucets J′ attached to their ends. A sufficient number of the pipes I′, and faucets J, are used to bring one of said faucets J′ within reach of each person sitting at the table.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the reservoir K, the pipe L, the pipe M, and the basin O, with the tube F, that carries the central revolving part G of the table-top, substantially as herein shown and described.

2. The combination of the ring-cup N with the revolving tube F, the inlet-pipe M, and the fountain-basin O, substantially as herein shown and described.

3. The combination of the rack or bottle-holder P with the tube F, and the fountain-basin O, substantially as herein shown and described.

4. The combination of the pipes I′, and the faucets J′, with the fountain-basin O, the tube F, and the central revolving part G of the table-top, substantially as herein shown and described.

5. The combination of the ring-plate S, the screw-socket U, the shaft V, the armed plate W, the pins X, the plate-holders Y, the springs A′, the cross-plates B′, the gear-wheels C′ D′, the shaft E′, the arm G′, and the crank H′, with the frame A B C D, and the segmental ring-top I of the table, substantially as herein shown and described.

6. The combination of the detachable receiver R with the tube F, the waste-pipe Q, and the lower cross-bars D of the table-frame A B C D, substantially as herein shown and described.

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Witnesses:

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