

(No Model.)

J. HAMMERLE.
SELF WAITING TABLE.

No. 498,747.

Patented May 30, 1893.

Fig. 1.

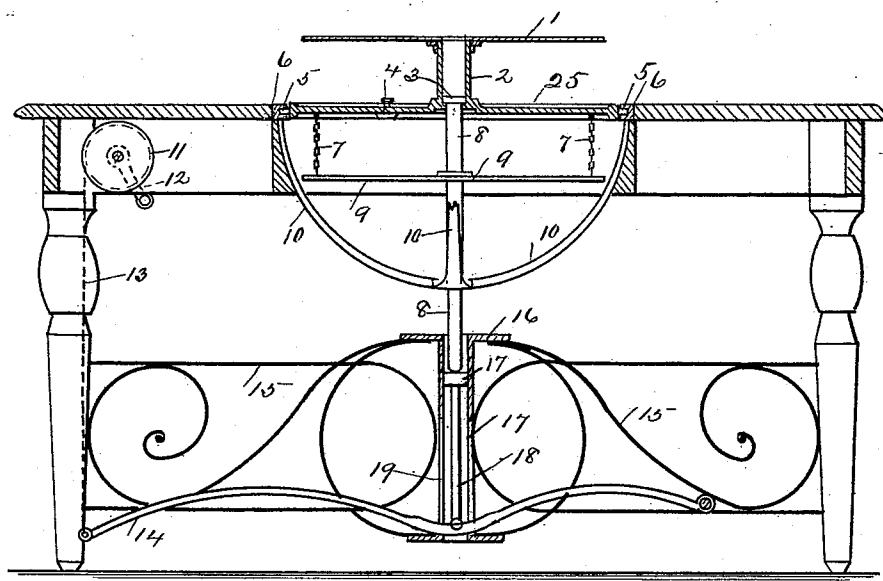
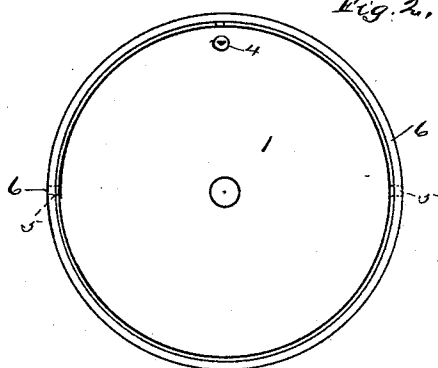


Fig. 2.



Witnesses:
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JOSEPH HAMMERLE, OF ALLEGHENY, PENNSYLVANIA.

SELF-WAITING TABLE.

SPECIFICATION forming part of Letters Patent No. 498,747, dated May 30, 1893.

Application filed December 10, 1891. Serial No. 414,623. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HAMMERLE, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Tables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved attachment for tables, and consists in certain details of construction, and combination of parts as will be fully described hereinafter.

In the accompanying drawings Figure 1 is a side sectional of my improved attachment for tables, showing the same in position in a table of ordinary construction. Fig. 2 is a plan view of the attachment.

To provide a table with my improvement I form at the center of the same a circular opening in which is fitted a metallic ring 6 having radial arms 10, connected thereto. Fitted within this ring 6 is a reversible tray composed of three sections 1—9— and 25, the two upper portions being connected together by means of a short tube 2 and the lower tray 9 by short chains 7. These three trays are supported and held in position by a vertical shaft 8 having a head or collar 3 adapted to be moved up and down in the short tube 2, and bearing in the arms 10 and in a tube supported from the legs of the table, by means of suitable brackets 15. Operating within this tube 16 is a piston 18 connected to a pivoted lever 14 which is used for elevating or lowering the three trays. This lever is connected to a drum 11 by a chain 12 in a manner that the same may be operated to move the said lever vertically. The central tray 25 is attached by pivots 5 to the ring 6 in a manner that said central tray may be revolved about its pivotal point to reverse the order of the trays and thereby bring the lower one 9 to the top so that it may drop by gravity into a recess formed in the surface of the middle tray 25, and thereby form an even or uninterrupted surface level with the table. Attached to the middle tray 25 is a bolt 4 of or-

dinary construction which will serve as a means to prevent the trays from tilting.

To reverse the order of the trays, turn the crank of the drum 11 which will wind the chain 13 around the drum 11, and as the lower end of this chain 13, is connected to the power end of the pivoted lever 14, the power end of said lever 14, will be drawn upwardly causing the piston rod 18 and piston head 17, to be moved upwardly in the tube 16, the lower portion of said tube 16 being slotted vertically to permit the downwardly curved portion of the lever 14 to move upwardly therein. When the lower end of the shaft 8 has been raised through the opening at the intersecting point of the downwardly curved radially disposed arms 10, the upper tray-section 1 may be grasped and moved to cause the central tray-section to be revolved about its pivotal points which operation will reverse the order of the trays as to position, or bring the normally lower one 9 uppermost, so that it will fall by gravity into a recess in the then uppermost face of the centrally disposed tray-section 25. After this action of the parts has been accomplished, the drum 11 should then be revolved in the reverse direction to unwind the chain 13 therefrom, and thereby lower the power end of the lever 14, which unwinding operation will permit the piston-rod and its head to be lowered in the tube 16, and will cause the tray 25 to close the opening in the table top, and the tray 9 to fall into the recess in the then uppermost face of the tray-section 25, and thereby to form a surface in the same plane with the stationary portion of the upper surface of the table top. The shaft 8 drops by gravity (or it may be pushed down) through the tube 2, then through the central opening at the intersection of the supporting arms 10 and thence into the tube 19 and onto the piston 17 thereby permitting the section 9 of the tray to fall into a recess in tray 25 to complete the table-top in the inverted or second position of the trays. A reverse manipulation of said parts will return them to their initial positions or that shown in Fig. 1.

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

1. The herein described table provided at its center with a tray having a plurality of shelves, and capable of being revolved so as to reverse the faces of the shelves, said shelves
5 so arranged that the tray may lie flush with the table or with a part thereof elevated above the table, substantially as described.

2. The combination with a table having a central circular opening in its top provided
10 with a ring having radial arms connected thereto, a tray composed of three sections, the two of the sections connected by a short tube and the other section connected to the intermediate section by chains, a vertical shaft
15 having its upper end located in the short con-

necting-tube, and its lower end engaging a piston-head upon a piston rod connected at its lower end to a lever fulcrumed to the sleeve supports connected with the table legs and a chain connecting the power end of the
20 lever with an operating drum, substantially as described.

In testimony that I claim the foregoing I hereunto affix my signature this 9th day of September, A. D. 1891.

JOSEPH HAMMERLE. [L. s.]

In presence of—

ALBERT J. WALKER,
T. F. EWING.