A. ABELSON.

RESTAURANT SERVICE DEVICE.

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1,349,647.

Patented Aug. 17, 1920.

Fig. 1.

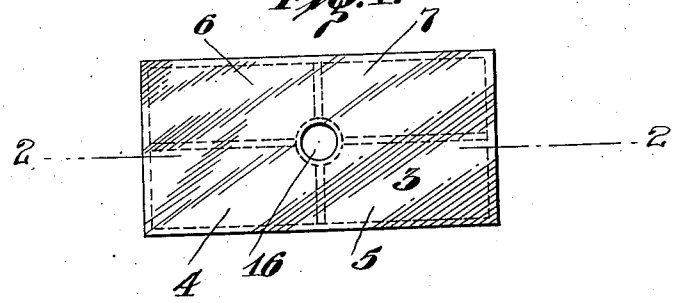


Fig. 2.

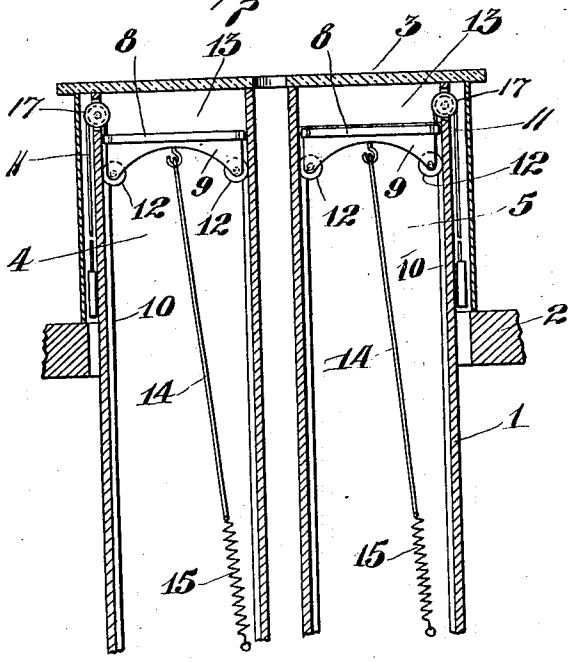
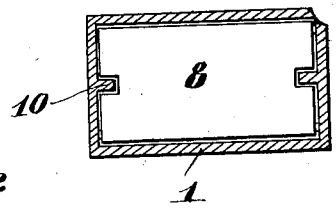


Fig. 3.



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UNITED STATES PATENT OFFICE.

ABRAHAM ABELSON, OF BROOKLYN, NEW YORK.

RESTAURANT-SERVICE DEVICE.

1,349,647. Specification of Letters Patent. Patented Aug. 17, 1920.

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To all whom it may concern:

Be it known that I, ABRAHAM ABELSON, a citizen of the United States, residing at Coney Island, borough of Brooklyn, city of New York, in the county of Kings and State of New York, have invented certain new and useful Improvements in Restaurant-Service Devices, of which the following is a specification.

My invention relates to improvements in restaurant service devices and the object of my invention is to provide a simple, novel and efficient device for the service of meals in restaurants, hotels and similar establishments.

I accomplish this object by the device illustrated in the accompanying drawings, in which—

Figure 1, is a plan view of the table,

Fig. 2 is a vertical section of the same on the line 2—2 in Fig. 1, and

Fig. 3, is a view of the conveyer platform.

Similar characters refer to similar parts throughout the several views.

Upon a well frame 1, which extends to a convenient height above the floor 2 of a restaurant or like establishment, I provide a transparent cover 3, of glass or the like, which forms the top of my table. The well frame 1 extends downward below the floor 2 to a suitable kitchen or supply room, not shown, below the dining room where the table is used, and is preferably divided into a plurality of vertical compartments 4, 5, 6, 7 as shown by the dotted lines in Fig. 1, to the end that separate conveyers may be provided for each person occupying the table as will be hereafter more particularly explained.

In each of the vertical compartments or wells 4, 5, 6, and 7, I provide a conveyer which operates from the kitchen or source of supply below the table to a position in the upper part of the table frame. Two of these conveyers are shown in the drawings and the others, not shown, are counterparts.

In the side of the table frame and adjacent the top of the table I provide openings through which the dishes on the conveyer may be removed and access may be had to the conveyer as desired.

The conveyers each comprise a platform 8 having a suitable base 9 and guide rollers 12 and are arranged to travel on guides 10 in the well. Ropes or cables 11 carrying counterbalance weights or other elevating means are connected to the conveyers 8 and pass over pulleys 17 at the top of the well whereby the conveyers are raised to the normal position at the opening 13 adjacent the top of the table where the conveyer is accessible to the occupant of the table.

I also provide a suitable rope or cable 14 by which the conveyer may be drawn down to the kitchen or source of supply and I preferably provide this rope 14 of sufficient length to permit the conveyer platform 8 to reach its normal position at the opening 13. At the lower end of the rope 14 I provide a spring 15 or the like to serve to break a sudden jar which might be caused by the sudden stopping of the conveyer were the rope to be rigidly secured at its lower end.

In the center of the well frame I provide a well or tube 16 through which orders may be communicated by the occupants of the table to the kitchen or source of supply in the room below.

The operation of the device is as follows—the occupants of the table or persons to be served thereat, communicate their orders to the kitchen or source of supply by dropping suitable cards or the like bearing the order, down the tube 16 through which the order is carried to the proper person stationed to receive it, the food or article to be supplied is then placed upon the conveyer which is drawn down for the purpose and the conveyer is then raised as above described to a position immediately below the transparent top of the table through which it may be examined by the person to be served. If found to be satisfactory, the article is removed through the opening 13 and consumed or otherwise used and after use the soiled dishes may be returned to the conveyer and removed to the kitchen and the operation may be repeated as often as desired.

It will thus be seen that the occupants of the table may be served without the intrusion of a waiter and the service of waiters is entirely dispensed with whereby the restaurant may be much more cheaply operated than where this unnecessary help is employed. Losses may also be minimized as the customer may be required to pay for his order through the tube 16 when the order is given.

Having thus described my invention, what I claim is:

1. The combination of a table, a transparent top providing means for examining the contents of a conveyer below the top, a conveyer below the table, an opening in the side of the table adjacent the top and affording access to the conveyer, a rope below the conveyer and attached thereto, and shock absorbing means on the rope to serve to absorb the shock of sudden stoppage of the conveyer, substantially as shown and described.

2. The combination of a table, a conveyer below the table, an opening in the side of the table adjacent the top and affording access to the conveyer, means for operating the conveyer and a shock absorbing device thereon substantially as shown and described.

3. The combination of a table, a plurality of vertical wells below the table, conveyers in said wells, openings in the sides of the table adjacent the top and affording access to the conveyers, means for operating the conveyers and a shock absorbing device for each conveyer substantially as shown and described.

4. The combination of a table, an opening in the top of the table for communication with a source of supply, a conveyer below the table, an opening in the side of the table adjacent the top and affording access to the conveyer, means for operating the conveyer and a shock absorbing device for the conveyer, substantially as shown and described.

In testimony whereof I affix my signature.

ABRAHAM ABELSON.