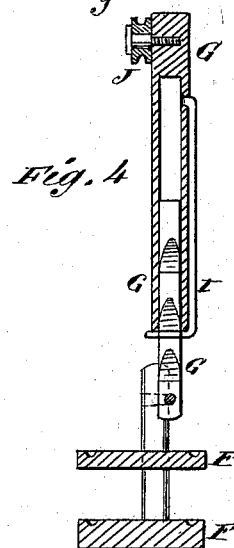
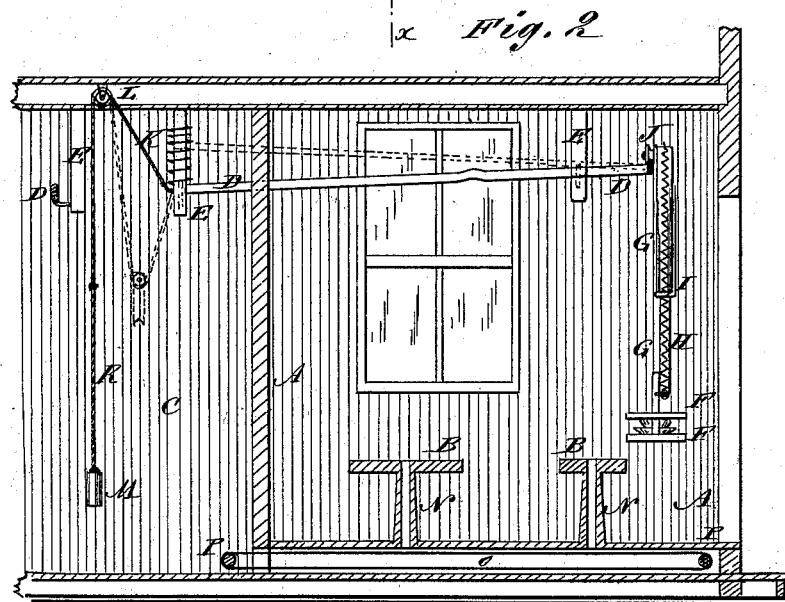
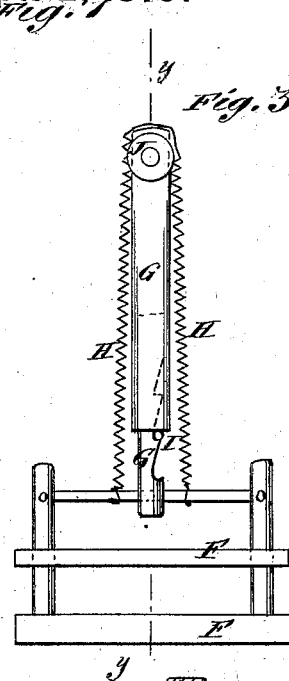
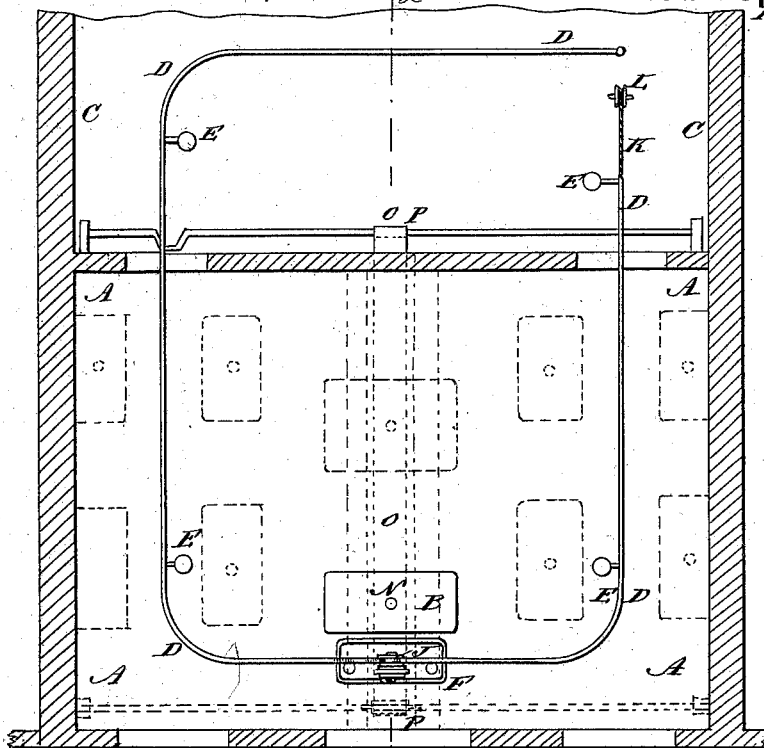


W. BEESON.
Automatic Table-Waiter.

No. 219,200.

Patented Sept. 2, 1879.



WITNESSES:
C. Newell
C. Sedgwick

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INVENTOR:
W. Beeson
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM BEESON, OF EAGLE ROCK, IDAHO TERRITORY.

IMPROVEMENT IN AUTOMATIC TABLE-WAITERS.

Specification forming part of Letters Patent No. 219,200, dated September 2, 1879; application filed July 23, 1879.

To all whom it may concern:

Be it known that I, WILLIAM BEESON, of Eagle Rock, in the county of Oneida and Territory of Idaho, have invented a new and useful Improvement in Automatic Table-Waiters, of which the following is a specification.

Figure 1 is a horizontal section of a room to which my improvement has been applied. Fig. 2 is a vertical section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a side view of the carriage. Fig. 4 is a detail vertical section of the carriage, taken through the line *y y*, Fig. 3. Fig. 5 represents an order-ticket.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device to take the place of the waiters in restaurants, saloons, and other places for carrying the orders from the tables to the cook-room or counter, and the articles ordered back to the tables, and which shall be simple in construction and convenient in use.

The invention consists in the carriage formed of the shelf or shelves, the extension-standard, the spring, the catch, and the wheel or wheels, in combination with the suspended track; in the combination of the cord, pulley, and weight with one or both ends of the suspended track and in the combination of the tube, the endless apron, and the rollers with the table and the floor of the room, as hereinafter fully described.

A represents the room in which the tables, B, for the customers are placed, and C represents the cook-room, bar, or other place from which the articles ordered are to be supplied. D represents a wire-rope, rod, or bar extending from the room C to the tables in the room A, and back again into the room C.

The wire-rope, rod, or bar D is supported by hangers E, or other supports, in such a way that the carriage can pass along unobstructed. The wire-rope, rod, or bar D, that forms the track, should incline from one end to the other, so that the carriage may be carried along it by its own weight, and may have slight rises or depressions in it at the tables for stopping the carriage at those points. The carriage may have one or more shelves or platforms, F, to receive the dishes, which shelf or shelves are

hung from the lower end of the extension-standard G, the parts of which may slide the one into the other, as shown in Figs. 3 and 4, or the one along the side of the other, being kept in place by keepers. The parts of the standard G are drawn and held together by a spring, H, which may be made of metal, rubber, or other suitable material, and should be of sufficient strength to sustain the shelf or shelves F and the articles placed upon them.

The parts of the standard G are held apart, when extended, by a catch, I, attached to one of the said parts, and engaging with notches in the other part, as shown in Figs. 3 and 4. To the side of the upper part of the standard G is pivoted a grooved or flanged wheel, J, to roll along the track D. More than one wheel, J, may be used, if desired.

The carriage must be so arranged that its center of gravity may be directly beneath the track D, so that it may run steadily upon the said track.

To the higher end of the track D is attached the end of a rope, K, which passes over a pulley, L, pivoted to the ceiling or other suitable support, and has a weight, M, attached to its other end. The rope K is designed for use for raising the carriage from the lower end to the higher end of the track D, and to raise the higher end of the track D to give more or less impulse to the carriage when starting it. To allow this to be done the higher end of the track D should be connected with its support by a spring or sliding sleeve.

If desired, the carriage may be sent out and returned upon the same track; but in this case both ends of the said track should be movable, and should be provided with a rope, pulley, and weight, K L M, so that either end of the said track may be raised to give the carriage an impulse in the other direction.

Each table B is provided with a tube, N, extending down through the floor of the room. O is an endless apron passing around rollers P, pivoted to the floor-timbers or to other suitable supports. The endless apron O extends to the cook-room C, and with the journal of the last roller, P, is connected a crank or other driving-gearing.

Q represents an order-ticket, which contains

a list of the articles to be furnished, with a series of dots or dashes after each.

In using the apparatus, the customer seats himself at a table, B, takes an order-ticket, Q, draws a pencil-mark across one or more of the dots or dashes to indicate the articles ordered, and drops the ticket Q into the tube N of the table B. The order-ticket drops upon the endless apron O, and is carried by it into the cook-room C. An attendant takes the order-ticket Q, places the article or articles ordered upon the shelf or platform F of the carriage, draws a mark across the order, marks with a pencil of a different color, or in some other convenient way, to cancel the order, places the order-ticket upon the carriage, and starts the carriage upon the track D. The carriage is stopped at the table by the rise or depression in the track D, or by the table-waiter, who draws down the shelf or shelves F by extending the standard G, and secures it from rising by the catch I. The waiter then removes the articles and the order-ticket from the carriage, places

them upon the table B, and sends the carriage back to the cook-room, ready to be used again.

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

1. The carriage formed of the shelf or shelves F, the extension-standard G, the spring H, the catch I, and the wheel or wheels J, in combination with the suspended track D, substantially as herein shown and described.

2. The combination of the cord, pulley, and weight K L M with one or both ends of the suspended track D, substantially as herein shown and described.

3. The combination of the tube N, the endless apron O, and the rollers P with the table B and the floor of the room, substantially as herein shown and described.

WILLIAM BEESON.

Witnesses:

D. F. CHAMBERLAIN,
D. H. LATHAM.