No. 778,935. PATENTED JAN. 3, 1905.

L. F. WILSON.

ELEVATED CARRIER.

APPLICATION FILED DEC. 24, 1903.

2 SHEETS—SHEET 1.

Fig. 1.

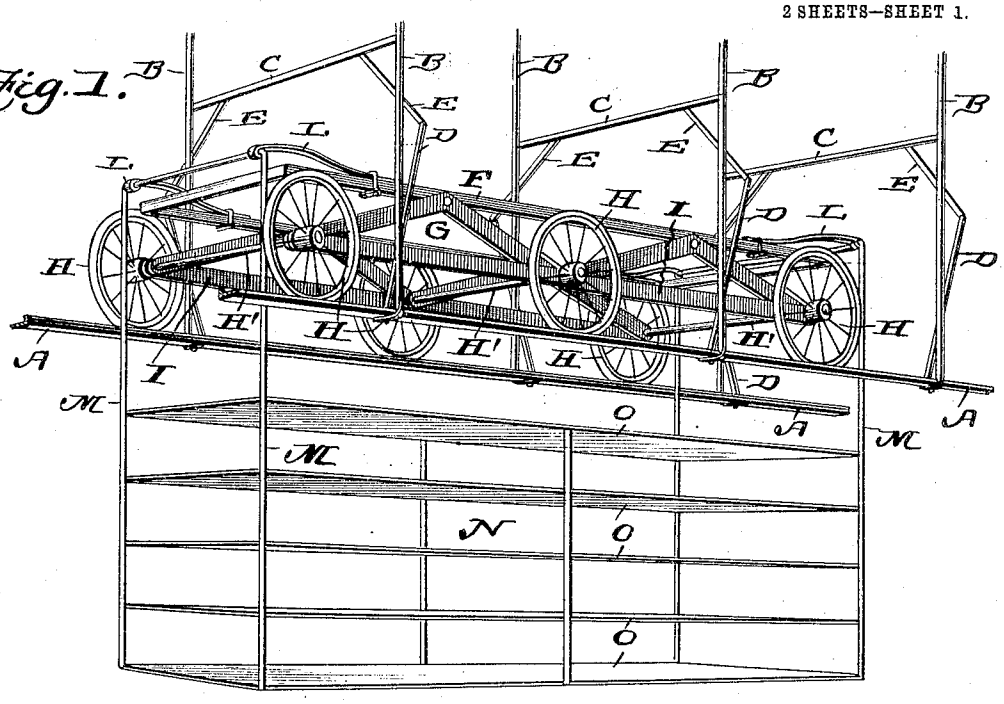
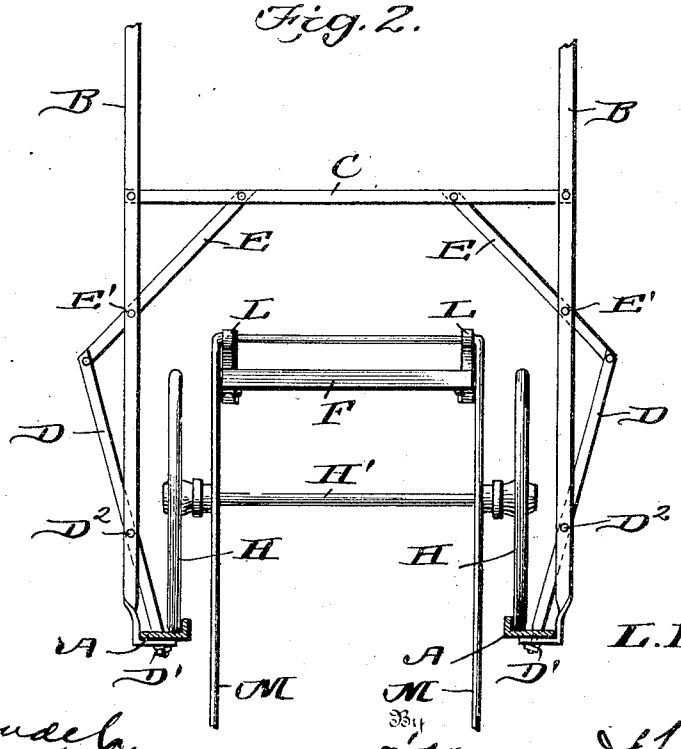


Fig. 2.



Witnesses

M. D. Blondel

Adaline Shaw

Inventor

L. F. Wilson,

By

O'Meara & Brock.

Attorneys

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2 SHEETS—SHEET 2.

Fig. 3.

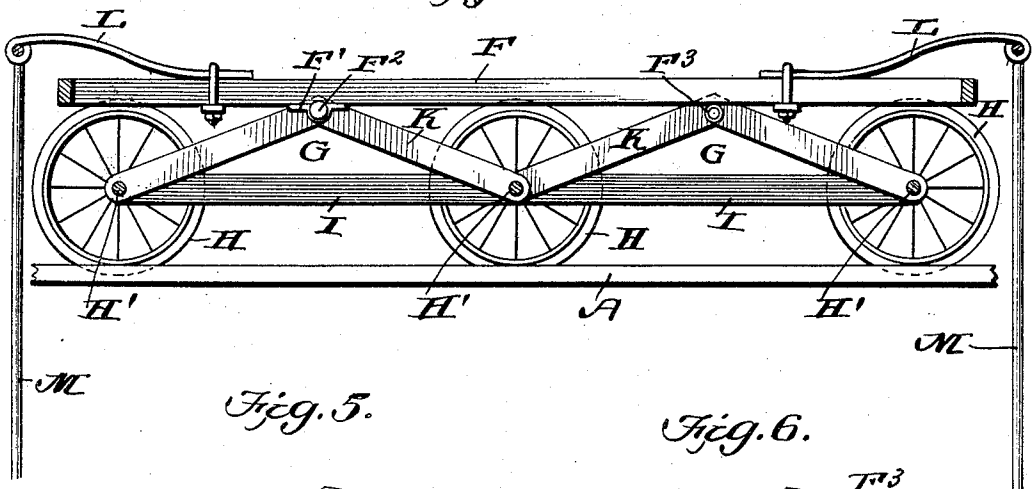


Fig. 5.

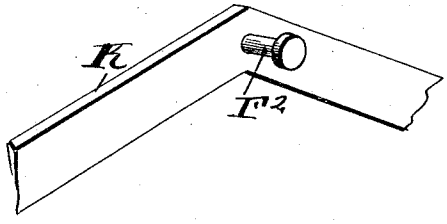


Fig. 6.

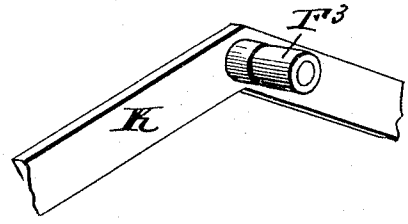


Fig. 4.

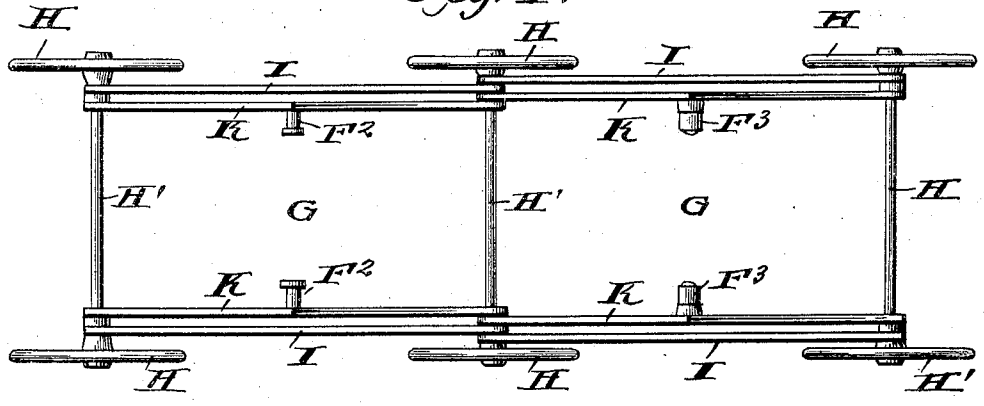
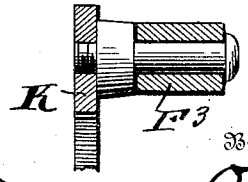


Fig. 7



Witnesses

W. D. Bloundel,

Agnes Shaw.

Inventor

L. F. Wilson,

By O'Meara & Brock,

Attorneys

PHOTO LITHOGRAPHED BY ZACHLTT & WILHELMS LITHO. & PTG. CO. NEW YORK.

No. 778,935. Patented January 3, 1905.

UNITED STATES PATENT OFFICE.

LEWIS F. WILSON, OF GRANGEVILLE, IDAHO.

ELEVATED CARRIER.

SPECIFICATION forming part of Letters Patent No. 778,935, dated January 3, 1905.

Application filed December 24, 1903. Serial No. 186,416.

To all whom it may concern:

Be it known that I, LEWIS F. WILSON, a citizen of the United States, residing at Grangeville, in the county of Idaho and State of Idaho, have invented a new and useful Elevated Carrier, of which the following is a specification.

This invention relates generally to elevated carriers, and more particularly to one intended for use in large-sized dining-rooms for the purpose of quickly and easily transporting or moving a number of dishes from one end of the dining-room to the other, thereby avoiding the necessity of a waiter or attendant carrying trays through the dining-room; and with this object in view the invention consists in the employment of a track suspended from the ceiling, said track having a carriage movable thereon, said carriage being provided with rubber wheels for the purpose of rendering the movement of said carriage noiseless.

The invention consists also in suspending a rack from said carriage, said rack being of such construction that a number of dishes can be carried thereon at one time; and the invention consists also in making the connection between the carriage and rack of such construction that any unevenness in the track will be compensated for and not communicated to the rack, thereby preventing spilling of any liquids carried in the rack.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a detail perspective view illustrating my invention. Fig. 2 is a detail view taken through the track and truck and showing the manner of suspending the track and rack. Fig. 3 is a sectional elevation of the carriage. Fig. 4 is a top plan view of the trucks. Figs. 5, 6, and 7 are detail views showing the manner of connecting and supporting the frame upon the trucks.

In carrying out my invention I employ flanged rails A, which constitute the track upon which the carriage moves, said carriage carrying the rack. The rails A are connected to rods B, depending from the ceiling, said rods being connected by cross-bars C, and the track is braced by means of oblique brace-bars D, which are connected to the rails at D′ and connected to the depending bars at D^2, and these oblique brace-bars are connected to oblique bars E, which are connected to the depending bars at E′ and at their upper ends are connected to the cross-bar C.

The carriage comprises a rectangular-shaped frame F, which is arranged upon the trucks G, said trucks being supported upon rubber-tire wheels H, said wheels being mounted upon the axles or shafts H′. Each truck comprises the horizontal side bars I and the angular side bars K, said horizontal and angular side bars being pivotally connected to the axles, and it will be noted that the central axle serves as the pivotal connection for the two trucks. I prefer to employ two trucks and pivotally connect them, so that the carriage can pass easily over any uneven portions of the track without materially affecting the frame F, which rests upon the angular side bars of the truck, said frame being connected to the side bars of one truck by means of a clip F′, which surrounds a stub-shaft F^2, carried at the angle of the said side bars, and the other set of angular side bars are provided with rollers F^3, upon which the opposite end portion of the frame rests. Spring-arms L are connected to the frame F adjacent the ends and project beyond said ends, and connected to the outer ends of said spring-arms are the depending ends of the depending rods M, which constitute the corner-posts of the rack N, said rack having a plurality of shelves O, upon which the dishes and other articles to be transported are arranged.

The track is suspended from the ceiling, and the course thereof will depend entirely upon the shape of the dining-room. The carriage carrying the rack is arranged upon this track, and the dishes can be carried into or out of the dining-room and also moved from one end of the dining-room to the other and in a noiseless manner, thereby greatly facilitating the handling of the dishes, dispensing with waiters for this purpose, and greatly expediting the service of meals. It will thus be

seen that I provide an elevated carrier of the kind described capable of accomplishing all of the objects hereinbefore mentioned.

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

1. The combination with a track, of the truck-sections moving thereon, said truck-sections being hinged together, the frame resting upon the truck-sections, spring-arms connected to the frame, and the rack suspended from said spring-arms.

2. The combination with the track suspended and braced as described, of the trucks pivotally connected to each other, the frame pivotally connected to one of the trucks and resting upon the other truck, the spring-arms attached to the frame and projecting beyond the ends of the same, and the rack suspended from said spring-arms, as set forth.

3. The combination with the track suspended from the ceiling, of the trucks movable thereon, said trucks being connected to each other and movable vertically independent of each other, a frame hinged to one of the trucks and resting upon a roller carried by the other truck, the spring-arms connected to the frame adjacent the ends and projecting beyond said ends, and the rack suspended from said arms, as set forth.

LEWIS F. WILSON.

Witnesses:
JULIUS S. SMITH,
WILLIAM A. HALL.