

G. K. MITCHELL.
DUMB WAITER.
APPLICATION FILED APR. 17, 1913.

1,065,463.

Patented June 24, 1913.

Fig. 1.

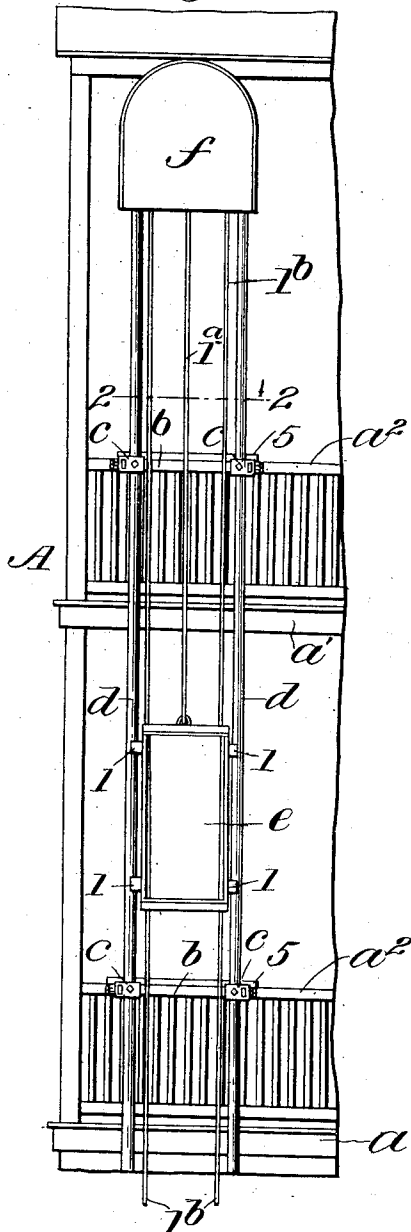


Fig. 2.

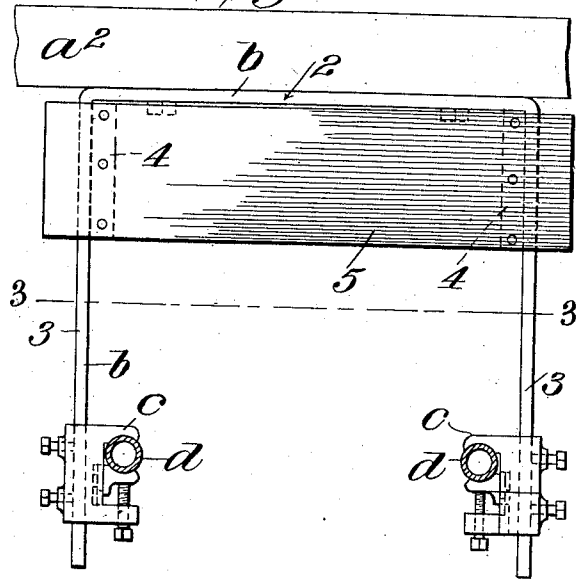
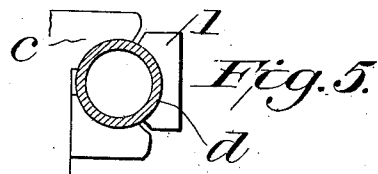
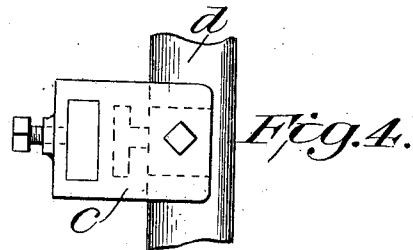
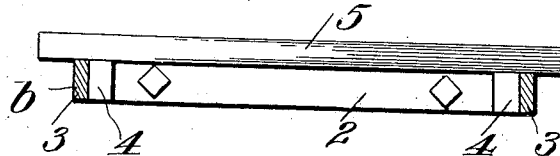


Fig. 3.



WITNESSES

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GUY K. MITCHELL, OF BALTIMORE, MARYLAND.

DUMB-WAITER.

1,065,463.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GUY K. MITCHELL, citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Dumb-Waiters, of which the following is a specification.

This invention comprises improvements in dumb waiters especially adapted for outdoor use and where the building to which it is applied is not provided with a shaft or hatchway for a dumb waiter.

Dwelling houses of two or more stories are frequently converted into apartment houses, and a dumb waiter service then becomes necessary to deliver commodities to the different floors. As such dwelling houses are not usually provided with dumb waiters or shafts therefor, a dumb waiter suitable for outdoor use is desirable for such buildings.

The purpose of my invention is to provide a dumb waiter particularly adapted for such situations and which may be constructed and assembled with a minimum amount of labor.

In the accompanying drawing, Figure 1 is a front elevation of a dumb waiter embodying my improvements, showing also portions of a building to which the guides are attached; Fig. 2 is a section through the guides on the line 2—2 of Fig. 1; Fig. 3 is a section through one of the guide brackets on the line 3—3 of Fig. 2; Fig. 4 is a detail showing one of the guide clamps in end view and a portion of one of the guides; and, Fig. 5 is a detail view showing one of the guides in section with portions of one of the clamps and one of the shoes for engaging the guides to position the car.

Referring to the drawing, A indicates a building having several stories provided with porches *a* and *a'* and railings *a''* at the edges of the porches. To these railings are connected brackets *b* provided with clamps *c* which engage a pair of vertically arranged guides *d* and hold the guides parallel with one another adjacent to the porches. A car *e* is provided with shoes *1* which engage the guides to keep the car in position between the guides. The hoisting mechanism (not shown) is contained within a hood *f* secured to and extending over the upper ends of the guides, this hood protecting the hoisting drum, sheave and brake from the weather. The car is suspended upon a hoisting rope

1^a and is movable up and down by means of an endless hand rope 1^b, in the usual manner.

Dumb waiters are usually arranged in shafts or hatchways within buildings where the guides for the car may be secured to shaft walls without difficulty. For outdoor use special devices must be employed for holding the guides rigidly and parallel with one another. For this purpose, I provide brackets *b*, each made from a flat iron or steel bar, having a straight central portion 2 adapted to be bolted to the porch railing *a''*, or other part of the building, and having its end portions 3 bent substantially at right angles to the central portion so as to project forwardly in the same direction. Upon these arms are arranged the adjustable clamps *c* for gripping the upright guides *d*, which guides, as shown, consist of metal tubes, anchored at their lower ends in a suitable support, which may be a cement foundation in the ground.

In assembling the dumb waiter the brackets are secured by their central portions to the porch rails, window sills, or other parts of the building, and the clamps are placed upon the forwardly projecting arms 3. The tubular guides are then erected and gripped by the clamps, and the latter are adjusted to the proper distances from the back-piece to permit the car to pass. In order to adjust and maintain the proper lateral distance between the guides with a minimum amount of labor, wooden cleats 4 are secured to the inner sides of the arms 3, adjacent their connections with the back-piece 2; a gage is then placed between the forward ends of the arms to set them the required distance apart, and then, while they are thus held by the gage, a wooden sill 5 is fastened securely by nails or screws to the cleats 4. When the gage is removed the sill will hold the arms 3 the proper distance apart. This sill, after the dumb waiter has been erected, forms a convenient landing shelf or platform at the porch rail or window, upon which articles taken from or to be placed upon the car may rest. Ordinarily, it will be sufficient to provide one bracket for each story of the building, but, if desired, other brackets may be placed between the stories.

What I claim is:

1. In a dumb waiter, the combination with upright guides for the car, of means

for holding the guides parallel with one another comprising a bracket consisting of a metal bar having its central portion adapted for attachment to a building, and having
5 its end portions bent substantially at right angles to the central portion and extending outwardly in the same direction from the central portion, cleats secured to said end portions adjacent the bends in the bar, and
10 a sill or shelf secured to said cleats; and means for connecting said guides to said end portions.

2. In a dumb waiter, the combination with upright guides for the car, of means
15 for holding the guides parallel with one another comprising a bracket consisting of a

metal bar having its central portion adapted for attachment to a building, and having its end portions bent substantially at right angles to the central portion and extending outwardly in the same direction
20 from the central portion, cleats secured to said end portions adjacent the bends in the bar, and a sill or shelf secured to said cleats; and clamps, adjustable longitudinally on
25 said arms and adapted to grip the guides.

In testimony whereof I have affixed my signature, in presence of two witnesses.

GUY K. MITCHELL.

Witnesses:

FRANK TUCKER,
K. H. ROGERS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."