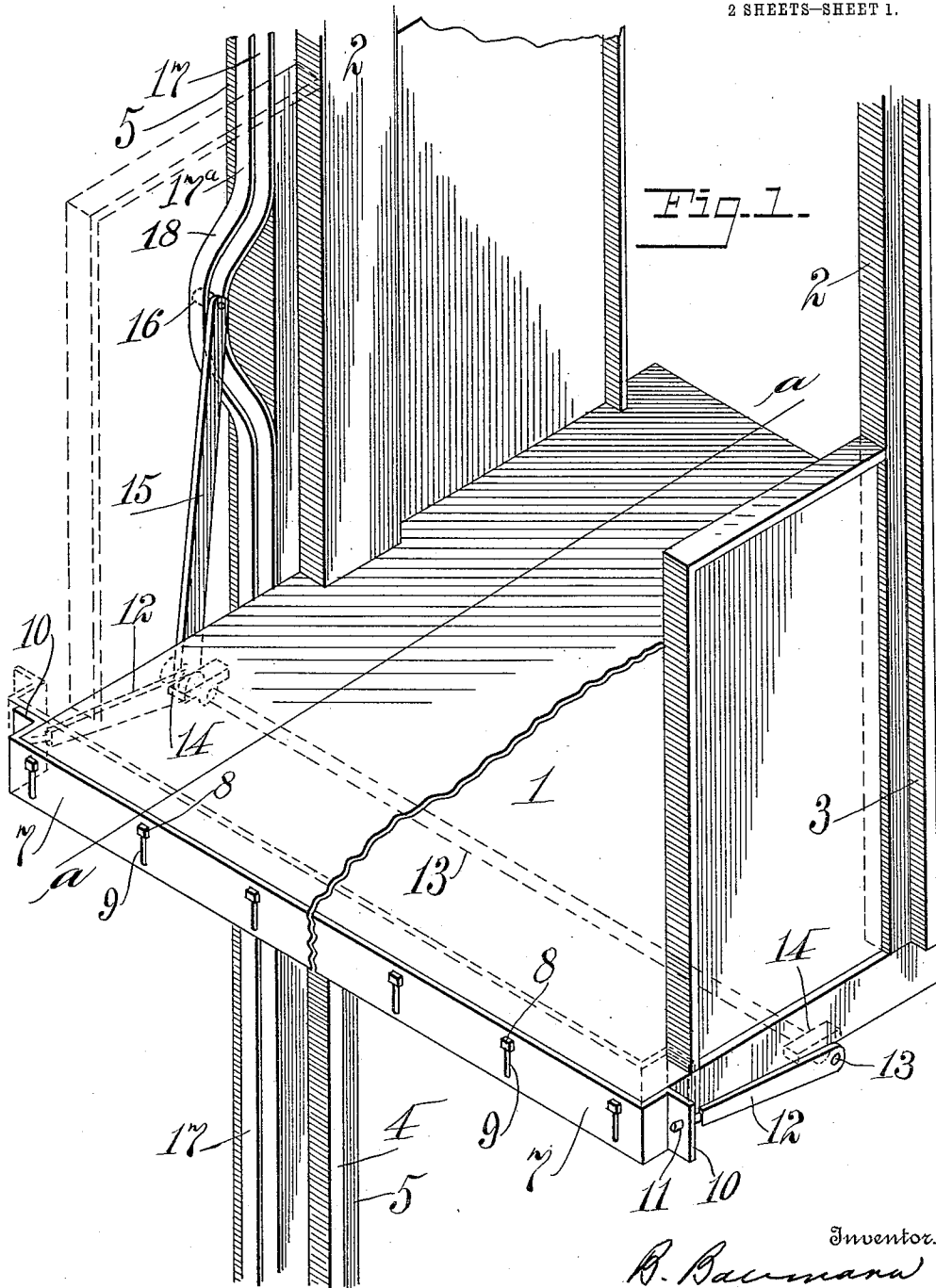


B. BAUMANN & W. M. DAWSON
SAFETY DEVICE FOR ELEVATORS.
APPLICATION FILED OCT. 29, 1912.

1,051,945.

Patented Feb. 4, 1913.

2 SHEETS—SHEET 1.



Witnesses
M. S. L. S. L.
M. Galloway

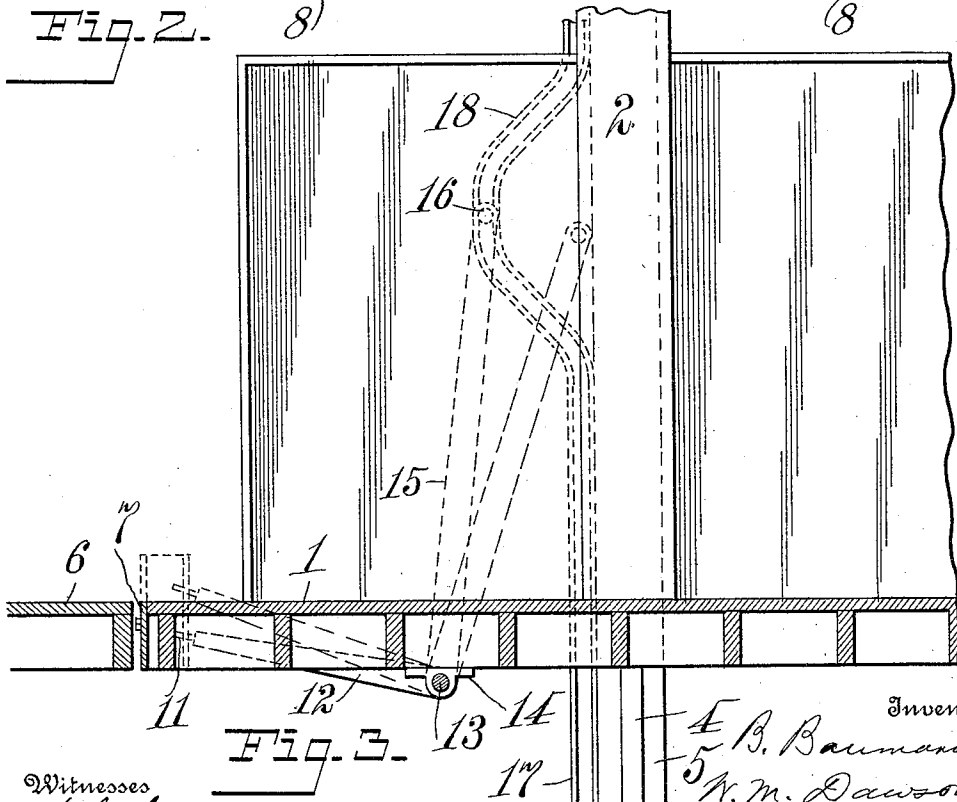
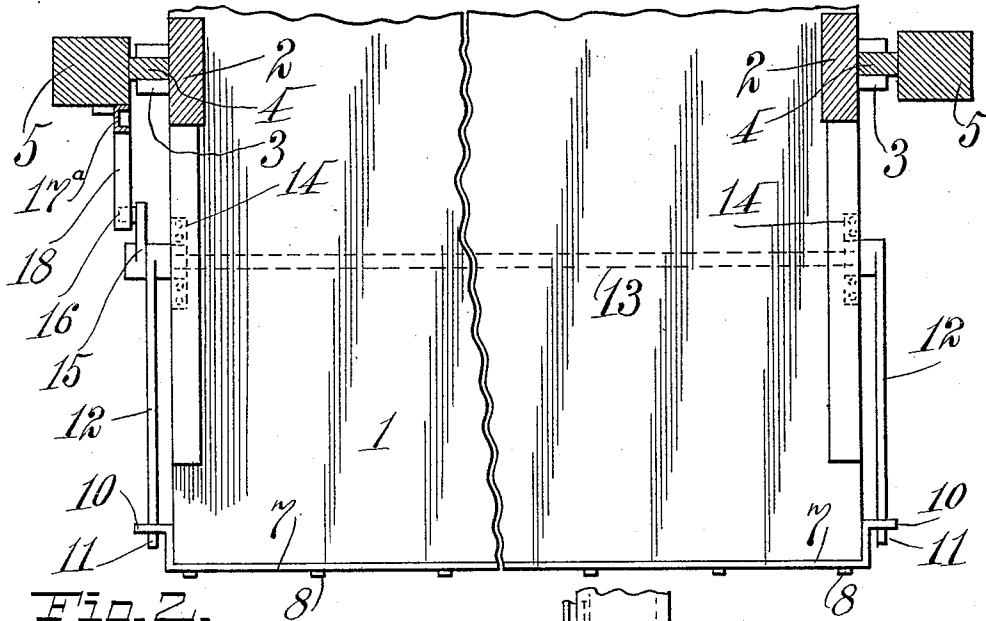
Inventors
B. Baumann
W. M. Dawson
By R. J. McCarty,
their Attorney

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Witnesses
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M. Galloway.

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UNITED STATES PATENT OFFICE.

BERNARD BAUMANN AND WILLIAM M. DAWSON, OF DAYTON, OHIO.

SAFETY DEVICE FOR ELEVATORS.

1,051,945.

Specification of Letters Patent.

Patented Feb. 4, 1913.

Application filed October 29, 1912. Serial No. 728,503.

To all whom it may concern:

Be it known that we, BERNARD BAUMANN and WILLIAM M. DAWSON, citizens of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Safety Devices for Elevators; and we do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in safety devices for cars and consisting of a foot-guard adapted to prevent the foot of a person standing on the floor of the elevator car from projecting beyond the edge of the floor.

The object of the invention is to provide a device of this character which is simple in construction, efficient in operation and which positively raises and lowers and holds the foot-guard in a raised or lowered position without the use of springs or weights.

Referring to the accompanying drawings, Figure 1 is a perspective view of an elevator provided with our improvements; Fig. 2 is a top plan view and Fig. 3 is a section on the line *a-a* of Fig. 1.

In the specification and drawings, similar reference characters indicate corresponding parts.

Referring more particularly to the drawings, 1 represents the platform of an elevator car from which upwardly extend side members 2—2, provided with recessed guides 3—3 which slide on stationary uprights or guides 4—4 on upright members 5—5. The uprights 5—5 extend the height of the building in which the elevator is placed and act as guides for the elevator car in a well known manner. The elevator car may be raised and lowered by any of the well known means commonly used and which it is not deemed necessary to illustrate or describe. When the elevator platform 1 is between any two floors 6, in ascending or descending, the following device is provided to prevent the foot overstepping the edge of said platform and thus insures the safety of passengers against falling off the elevator platform or getting their feet caught between

the elevator platform and a floor. Arranged along one edge of the elevator platform or floor 1 is a vertically sliding guard consisting of a plate 7. This guard 7 is movable on guide pins 8 which are received by elongated openings 9 in the said plate or guard. The ends 10 of plate or guard 7 are extended in different planes to receive the ends 11 of arms 12 which are mounted on a rock shaft 13. The said shaft 13 is mounted in bearings 14 on the under side of the elevator platform. When the said shaft 13 is rocked, the plate or guard 7 is raised or lowered to and from the position shown in dotted lines in Figs. 1 and 3. When in the position shown in dotted lines, it acts as a stop for the foot of the passenger. The shaft 13 is rocked as follows: Mounted on one end thereof is a lever 15 which carries a roller 16. The said roller 16 rides in a cam race 17 in bar 17^a secured to one of the upright members 5. The bar 17^a has a deflected portion 18 at each floor which provide cams which are adapted to shift the lever 15 inwardly and outwardly and to thereby rock the shaft 13 to raise or lower the foot-guard 7. Each deflected portion of the bar is so located with reference to the floors of the building that the foot-guard 7 will be depressed when the floor of the elevator is level with a floor of the building. The control of the lever 15, it will be seen, is at all times positive and likewise the movement of the foot-guard, therefore, the liability of the foot-guard to fail to receive a proper movement at any time is avoided.

We claim,

1. In a safety device for elevators, a vertically movable foot-guard mounted adjacent to the ingress and egress side of the elevator platform, a rock shaft mounted beneath the elevator platform, an upright stationary bar mounted on a side of the elevator shaft and having a groove therein, said bar being deflected at points adjacent to the floors of the building to provide a series of cams, a lever connection between said bar and said rock shaft, and connections between said rock shaft and the foot-guard, whereby said foot-guard is raised and lowered, substantially as specified.

2. In a safety device for elevators, the combination with an elevator, of a foot-guard slidably mounted on the ingress and egress side of the platform of said elevator,

the ends of said foot-guard being extended
in planes which lie rearwardly of the edge
of said platform, a rock shaft mounted on
the lower side of the elevator platform, arms
5 extending from said rock shaft and con-
nected with the extended ends of the foot-
guard, a grooved upright having cam por-
tions, and a shifting lever connected to said
rock shaft and controlled by said grooved

upright and the cam portions thereof, sub- 10
stantially as specified.

In testimony whereof we affix our signa-
tures, in presence of two witnesses.

BERNARD BAUMANN.
WILLIAM M. DAWSON.

Witnesses:

M. GALLOWAY,
MATTHEW SIEBLER.

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