

(No Model.)

2 Sheets—Sheet 1.

W. L. ARMENTROUT.  
BAGGAGE TRUCK.

No. 306,993.

Patented Oct. 21, 1884.

Fig- 1 -

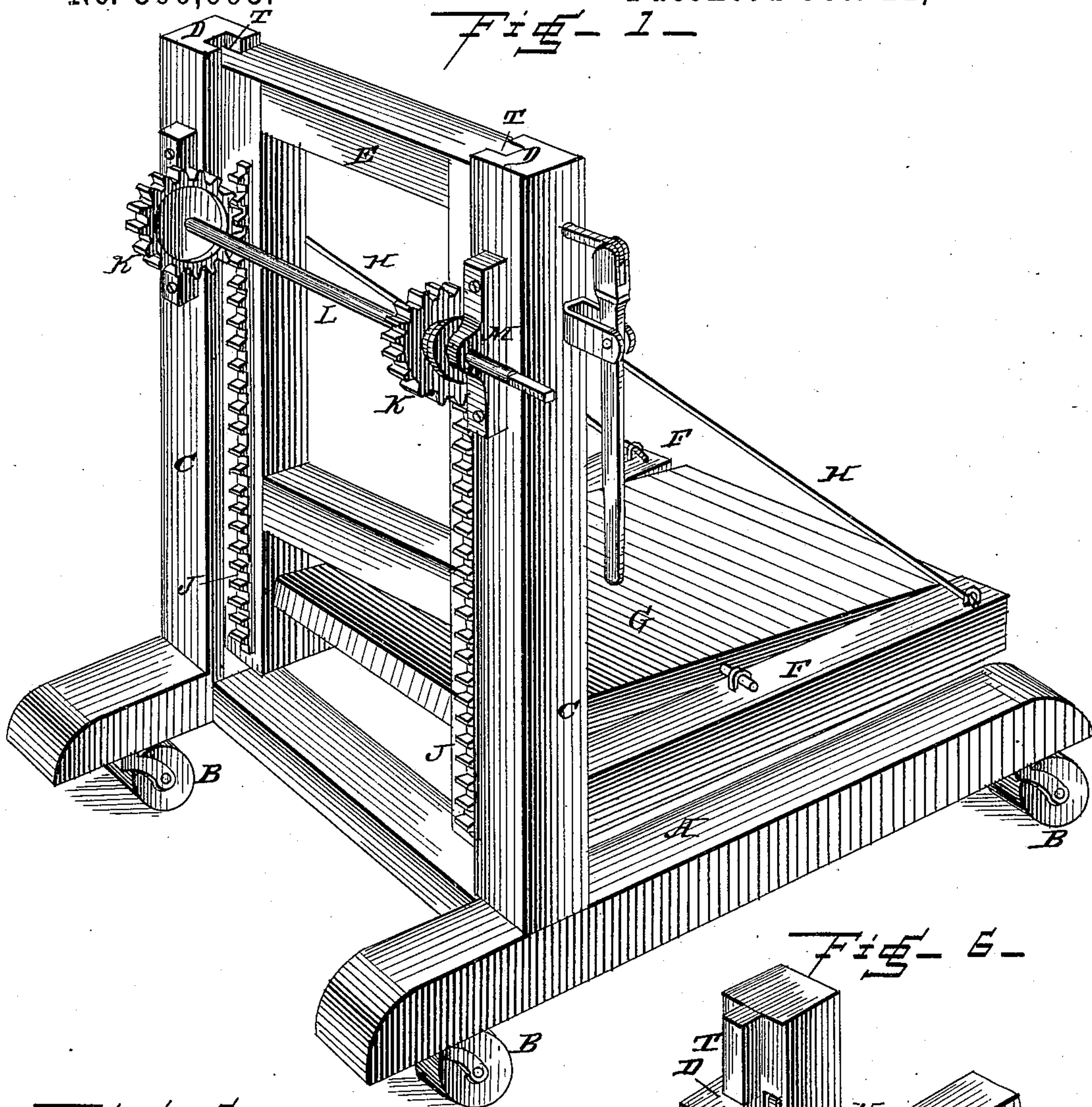


Fig- 6 -

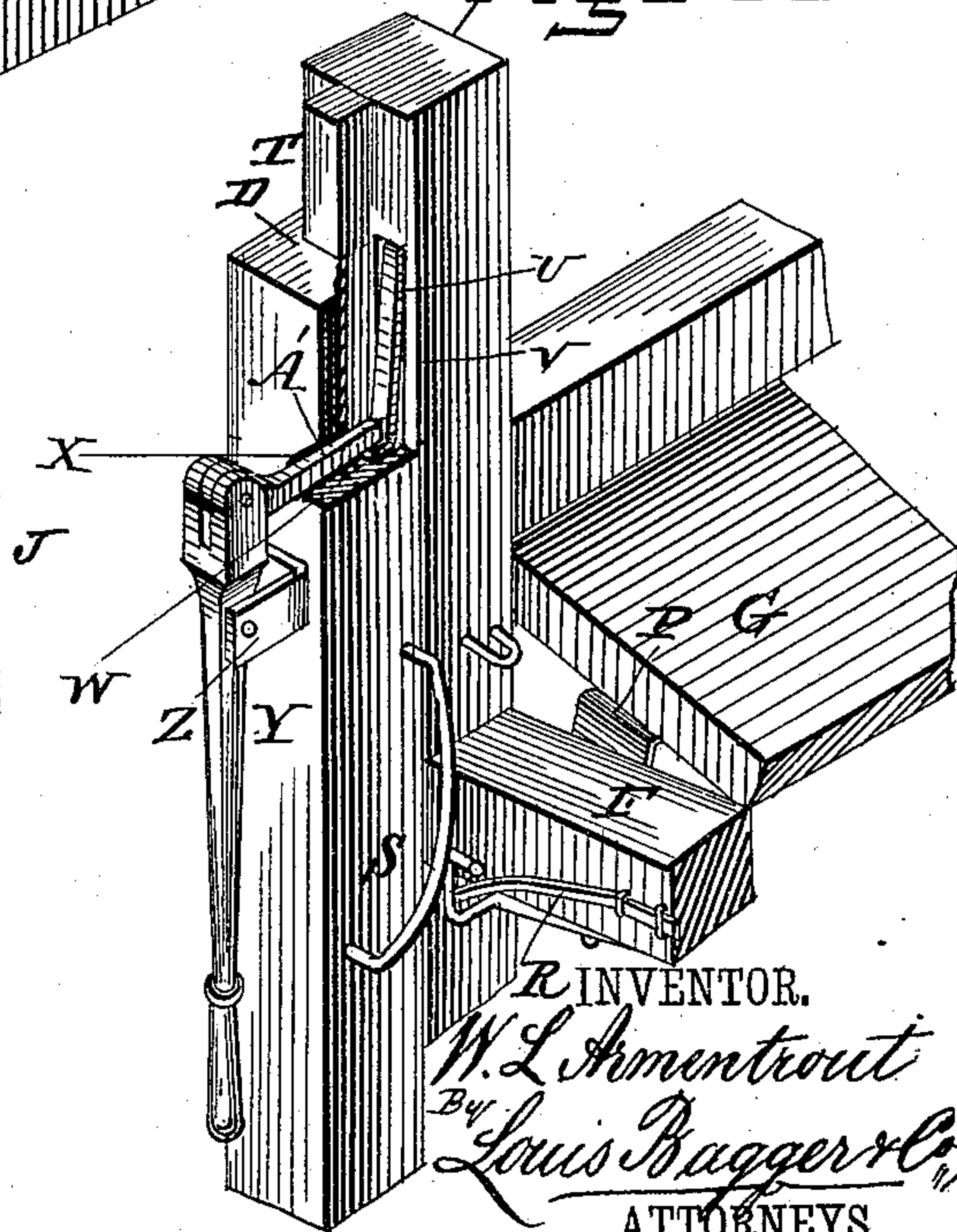
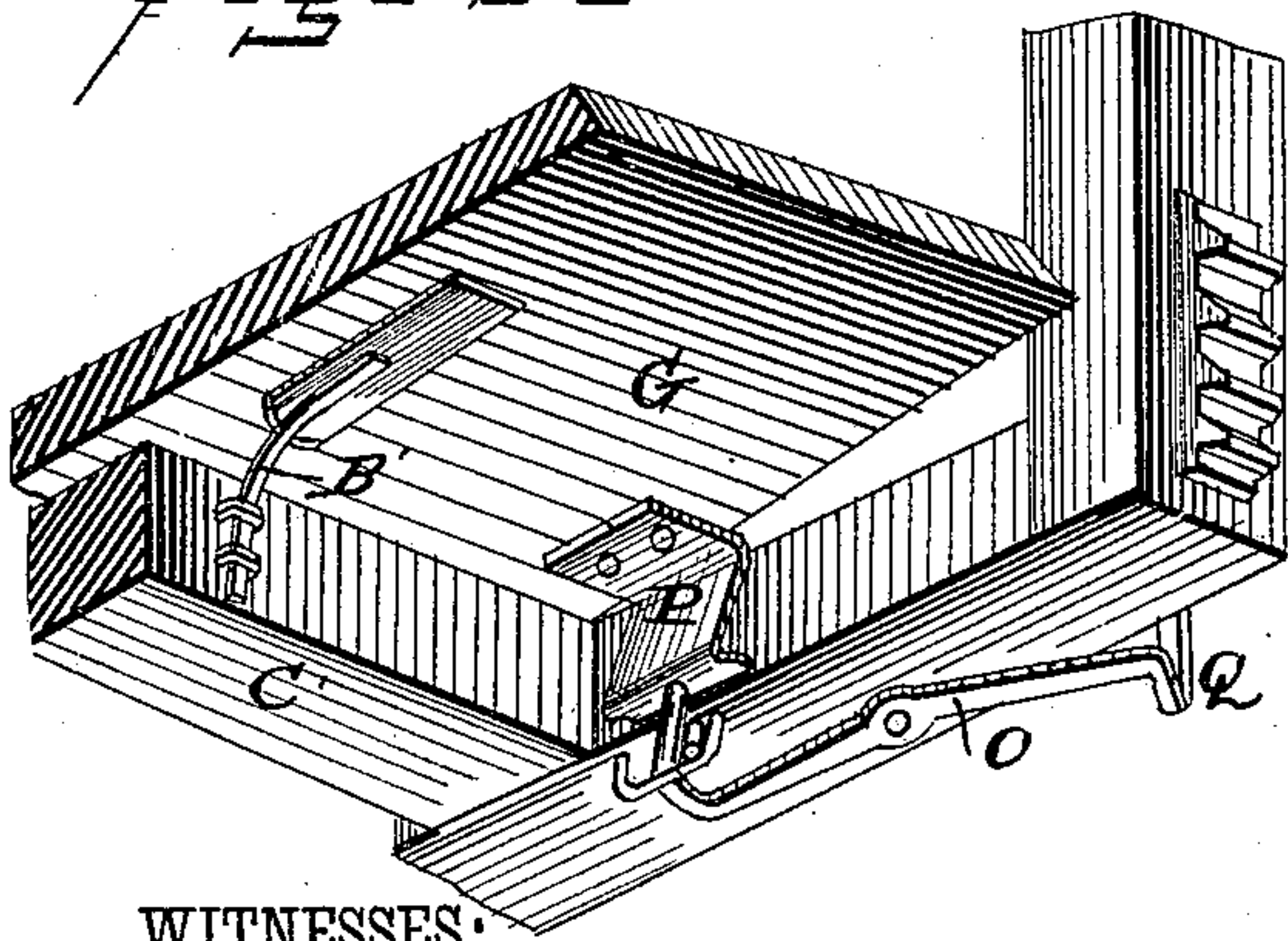


Fig- 5 -



WITNESSES:

*Thos. S. Dieterich*  
*Wm. J. Fecher*

R. INVENTOR.

*W. L. Armentrout*  
By *Louis Baggerly*  
ATTORNEYS.



(No Model.)

2 Sheets—Sheet 2.

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FIG. 2—

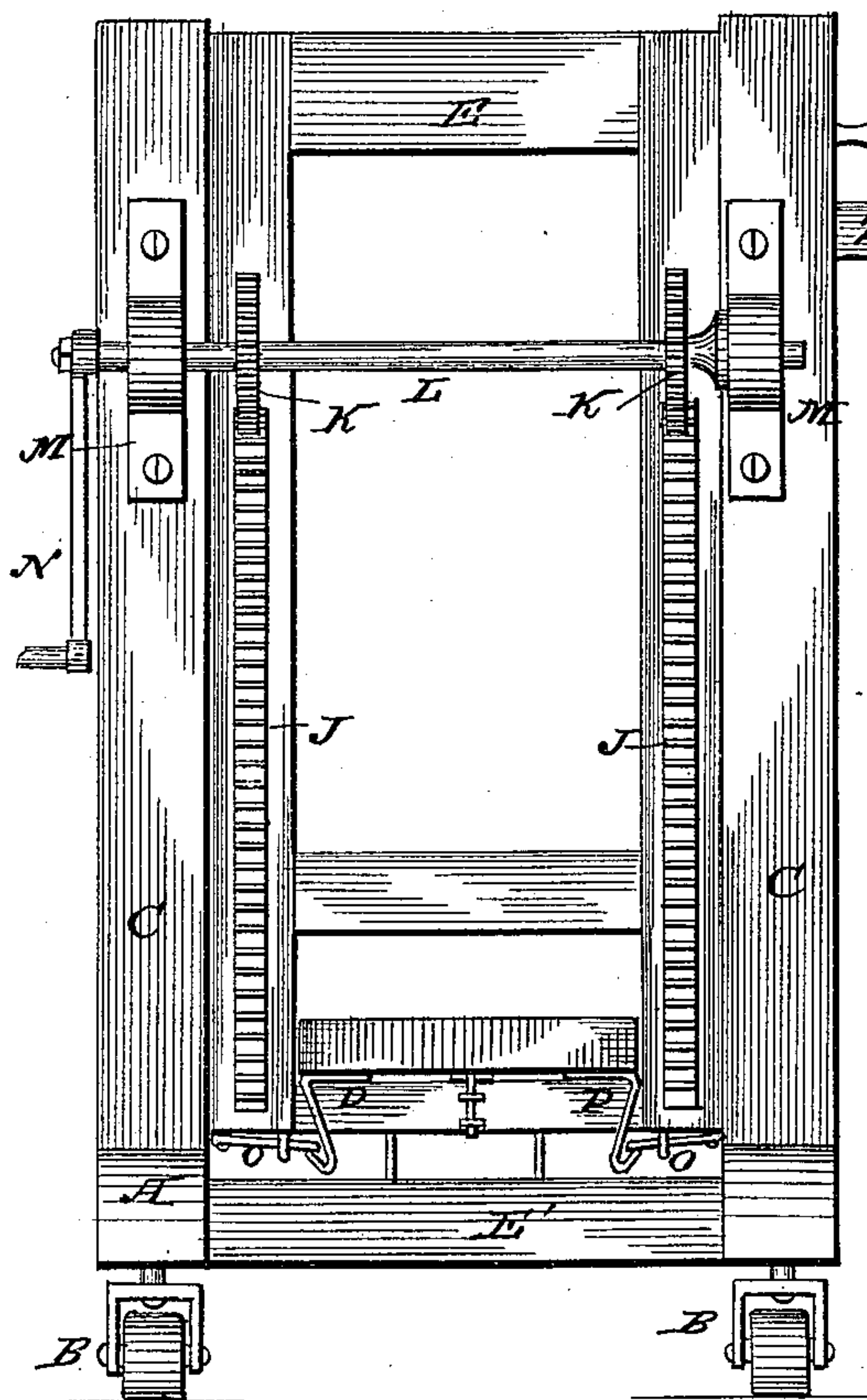


FIG. 3—

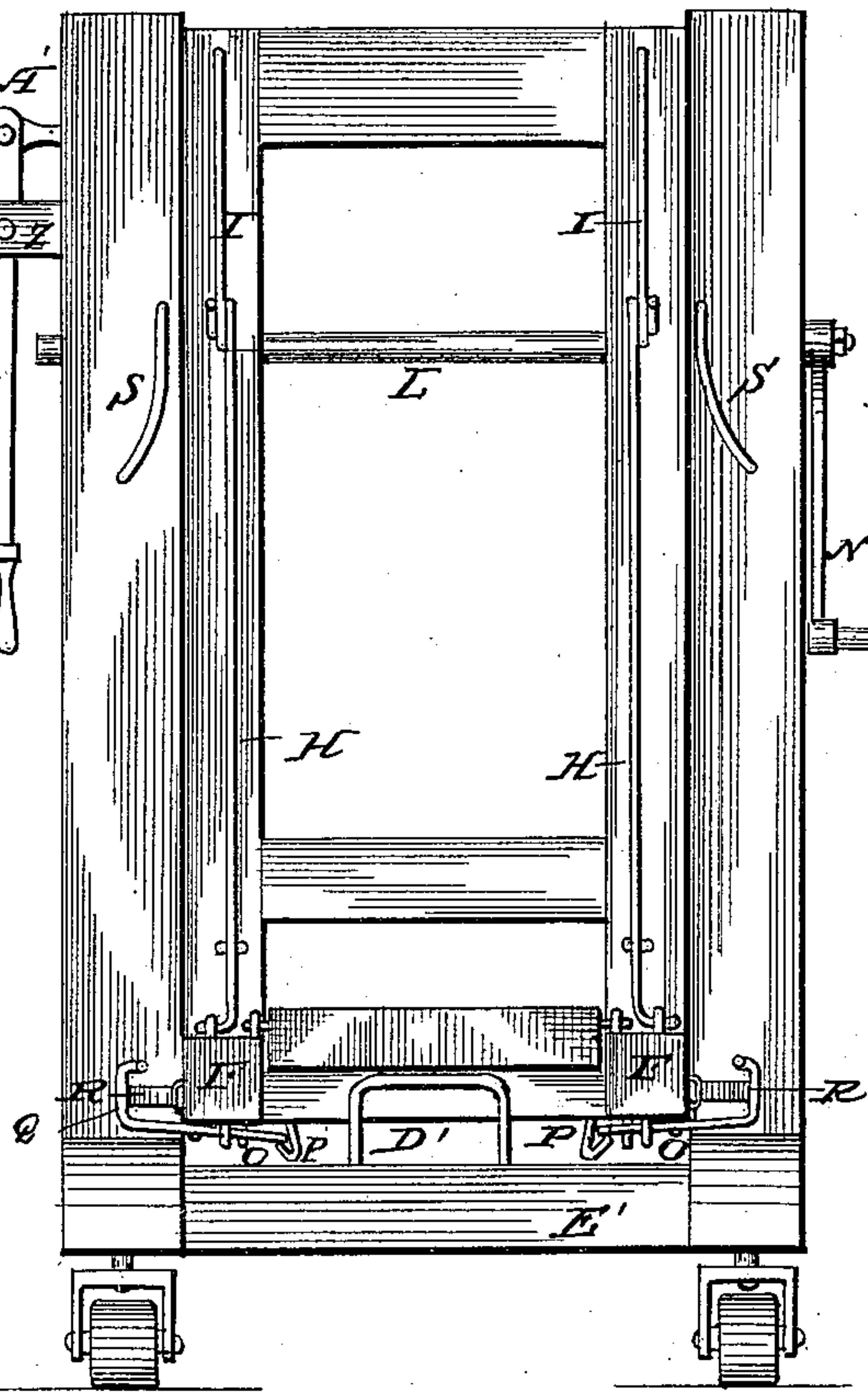
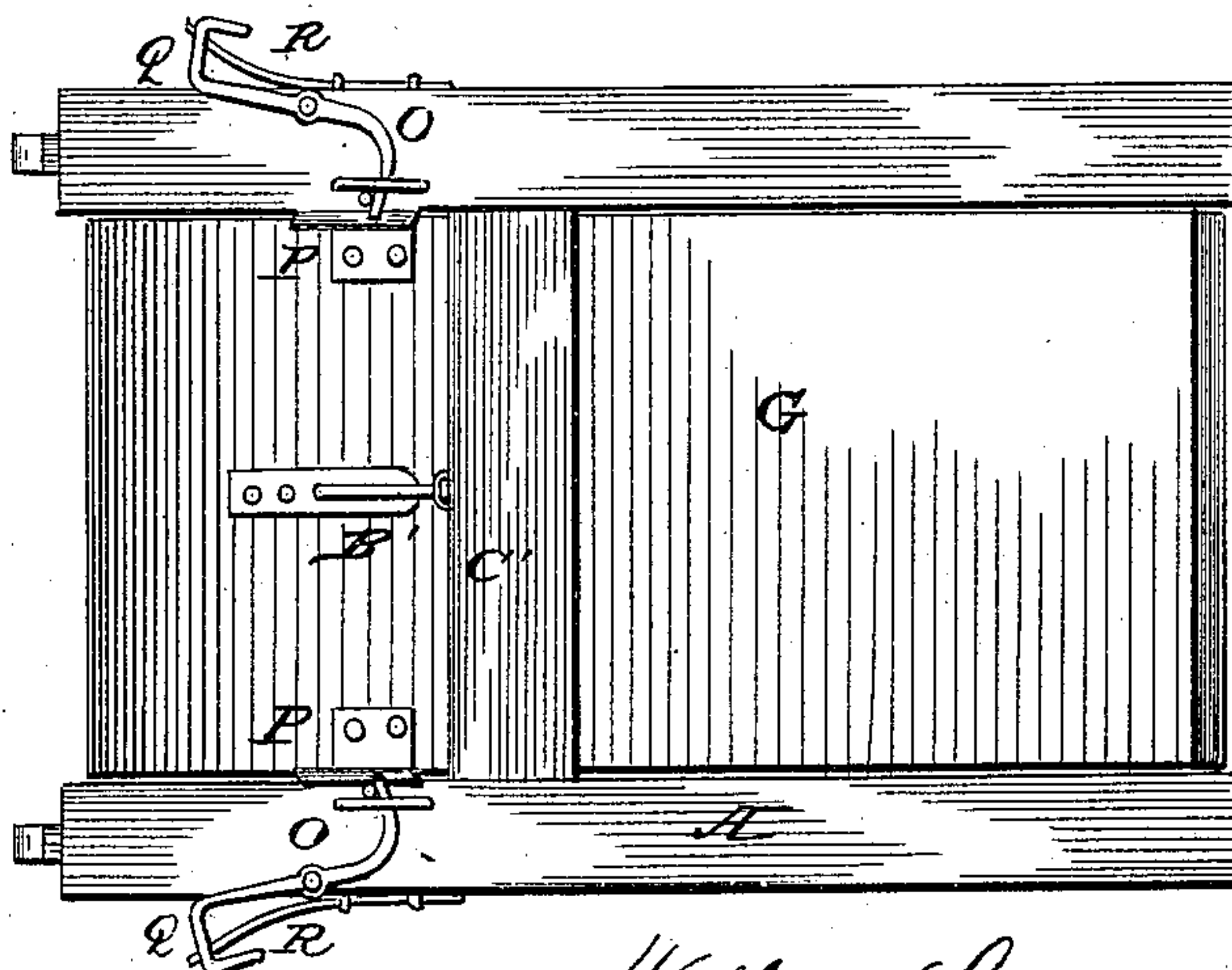


FIG. 4—



WITNESSES:

*Fred. S. Dieterich.*  
*Wm. J. Foster*

*William L. Armentrout*  
INVENTOR.  
By *Louis Ruggers & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

WILLIAM L. ARMENTROUT, OF FREEDOM, INDIANA, ASSIGNOR OF ONE-HALF TO JOHN A. ROBERTSON, OF SAME PLACE.

## BAGGAGE-TRUCK.

SPECIFICATION forming part of Letters Patent No. 306,993, dated October 21, 1884.

Application filed July 5, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM L. ARMENTROUT, a citizen of the United States, and a resident of Freedom, in the county of Owen and State of Indiana, have invented certain new and useful Improvements in Trunk and Baggage Elevators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved baggage-elevator. Fig. 2 is a front view of the same. Fig. 3 is a rear view. Fig. 4 is a bottom view of the platform. Fig. 5 is a perspective detail view (seen from below) of the catch for the tilting portion of the platform; and Fig. 6 is a similar view of the catch for supporting the sliding frame and the platform, and the means for operating the same, showing portions of the vertical standards broken away.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to elevators for raising and transporting baggage, especially adapted to be used at railway-stations, express-offices, warehouses, and similar places; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a frame or platform, mounted on casters B, and provided at one end with two upright posts or standards, C C, the inner sides of which form grooved vertical ways D. A frame, E, slides in these ways, and has two beams or bars, F, projecting from their lower ends, between which bars a tilting platform, G, is pivoted at its middle upon the middles of the bars, and which bars are supported by means of brace-rods H, secured at their lower ends to the outer ends of the bars and at their upper ends to bails I upon the upper ends of the side pieces of the sliding frame. The outer sides of the side pieces of the sliding frame are provided with cogged racks J, which are engaged by pinions K, secured upon a transverse shaft, L, journaled in transverse bearings M upon the outer sides of the

upright posts at their upper ends, and provided with a crank, N, or similar means for revolving it. The under side of the tilting platform is provided at its edges, near the inner end, with two downwardly-projecting hooked or shouldered lips, P, or catches, and two levers, O O, are pivoted upon the under sides of the bars supporting the tilting platform, and engage the shoulders of the said catches with their inwardly-bent ends, while their other ends are bent outward and upward, as shown at Q, and bear against springs R, secured upon the sides of the platform-supporting bars, and forcing the ends of said levers outward. The inner sides of the upright posts, or the sides facing the tilting platform, are provided with two curved bails or flanges, S S, diverging at their lower ends, secured at the upper portion of the upright posts. The side pieces of the sliding frame have projecting flanges T fitting in the ways in the upright posts, and one of the side pieces has a recess, U, near the lower end of the same, in which recess a doubled spring, V, is placed, which spring has the lower end of its outer arm bent outward to form a catch, the doubled end of the spring pointing upward, and the inner sides of one of the posts has a recess, W, near its upper end, at the side of the way in it, which recess is continued through the upright as a perforation, X, and the outwardly-bent end of the spring may catch and bear against the lower side of this recess. A lever, Y, is pivoted between brackets Z upon the side of the upright post, and has a bolt, A', pivoted to its end, which bolt passes through the perforation in the upper portion of the post, and it will be seen that when the sliding frame is raised so as to allow the the outwardly-bent end of the spring at its lower end to catch into the recess near the upper end of the upright post, the said spring will hold the sliding frame raised, and that by forcing the bolt by means of the lever to bear against the end of the spring the outwardly-bent end may be forced out of the recess, allowing the frame to be lowered. A spring, B', is secured to a cross-piece, C', between the inner portions of the arms supporting the tilting platform, and bears against the under side of the upwardly-tilting portion of the same, and a bail, D', projects upward from a cross-piece,



E', connecting the side pieces of the caster-mounted frame, and is adapted to bear against the under side of the downwardly-tilting portion of the platform, forcing it upward, so as to have the hooked lips or catches near the inner end of the platform engage the inwardly-bent ends of the levers upon the under sides of the platform-supporting beams; and it will be seen that when the sliding frame is raised by means of the rack-bars and the shaft having the pinions the outer ends of these levers will be forced inward by the flanges or oblique curved bails upon the upright posts near their upper ends, releasing the hooked lips and allowing the platform to be tilted, which will cause the article placed upon the platform to slide off.

It will be seen that this apparatus may have a trunk or other piece of baggage or merchandise placed upon its platform, be rolled upon its casters to any place desired, when the platform may be raised and automatically tripped, allowing the said trunk or other piece of baggage or merchandise to slide off the platform. Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of a platform mounted upon casters, having two upright posts at one end provided with ways upon their facing sides, a frame sliding in the said ways, provided upon one side of its side pieces with vertical rack-bars, and having two parallel bars projecting from its lower end parallel with the platform, a tilting platform pivoted between the said bars, means for retaining and tripping the said platform, substantially as described, a shaft journaled transversely upon the upper ends of the upright posts, and having pinions engaging the rack-bars upon the sliding frame, and a crank for turning it, and means, substantially as described, for retaining the said sliding frame when raised, as and for the purpose shown and set forth.

2. The combination of the platform or frame mounted on casters, and having two upright posts at one end formed with ways in their facing sides, a frame sliding in the said ways, having a recess near the lower end of one of its side pieces in the side facing the inner side of one of the uprights, and having two horizontal supporting bars or beams projecting from its lower end parallel with the frame or platform and with each other, rack-bars secured upon the outer sides of the side pieces of the sliding frame, a transverse shaft journaled near the upper ends of the upright posts, and provided with pinions meshing with the rack-bars and with a crank, a tilting platform pivoted between the horizontal supporting-beams of the sliding frame, hooked lips projecting from the inner portion of the side edges of the tilting platform, levers pivoted upon the under side of the supporting-beams, and having inwardly-bent inner ends engaging the lips and up and outwardly bent outer ends having springs forcing them out, oblique curved bails or flanges secured near the upper ends of the uprights, adapted to engage the outer and upwardly bent ends of the levers, a spring secured with its doubled end pointing upward in the recess in the side piece of the sliding frame, and having an outwardly-bent end, and a lever pivoted upon one of the uprights near its upper end, and having a bolt pivoted to one end passing through a perforation and recess in the upper end of the upright, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

WILLIAM L. ARMENTROUT.

Witnesses:

CLEMENT V. McBRIDE,  
R. K. YARDLEY.