

No. 868,186.

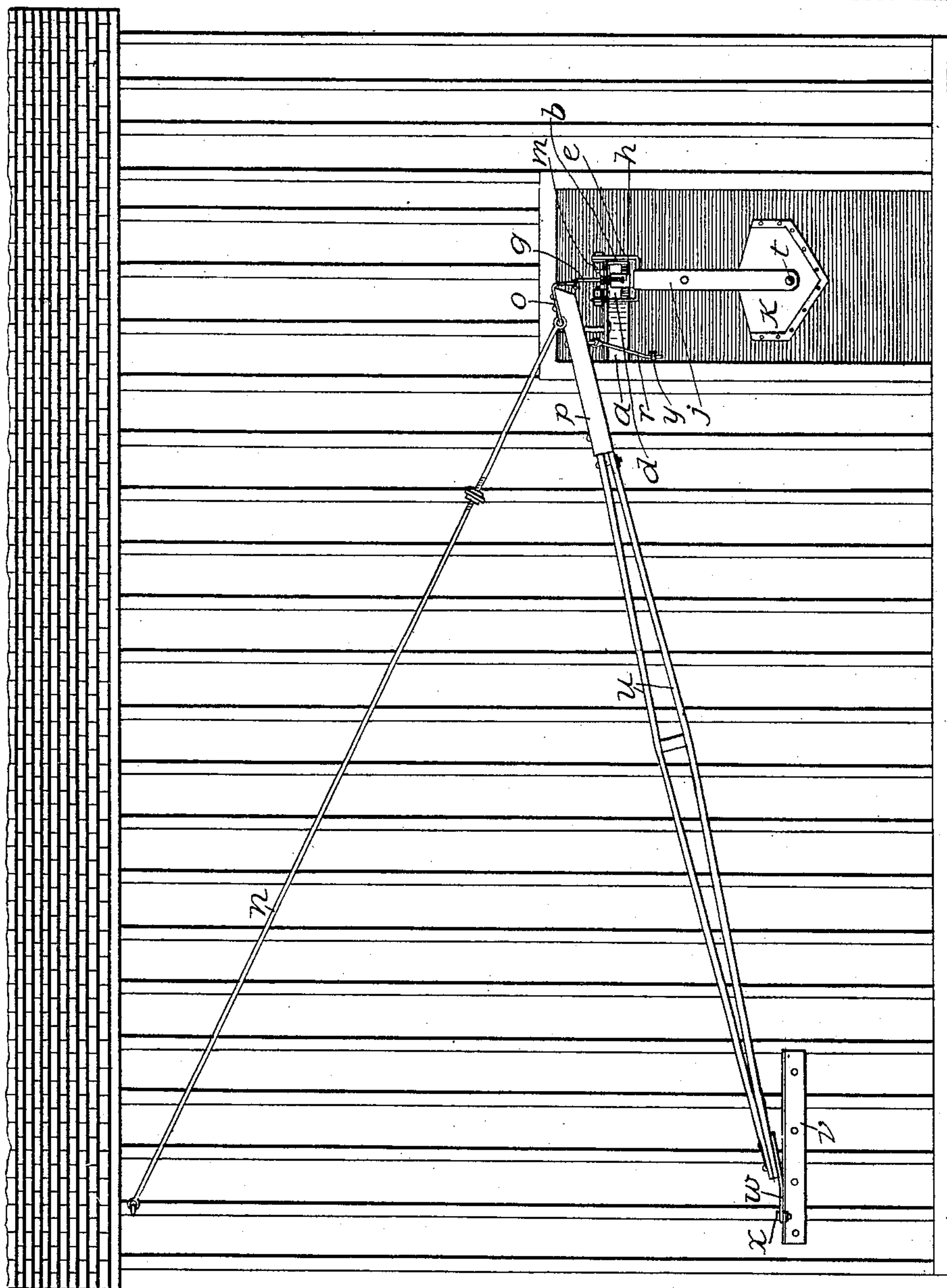
-PATENTED OCT. 15, 1907.

P. H. & H. E. IBLINGS.

ELEVATED CARRIER.

APPLICATION FILED AUG. 30, 1906.

2 SHEETS--SHEET 1.



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Fig. 3.

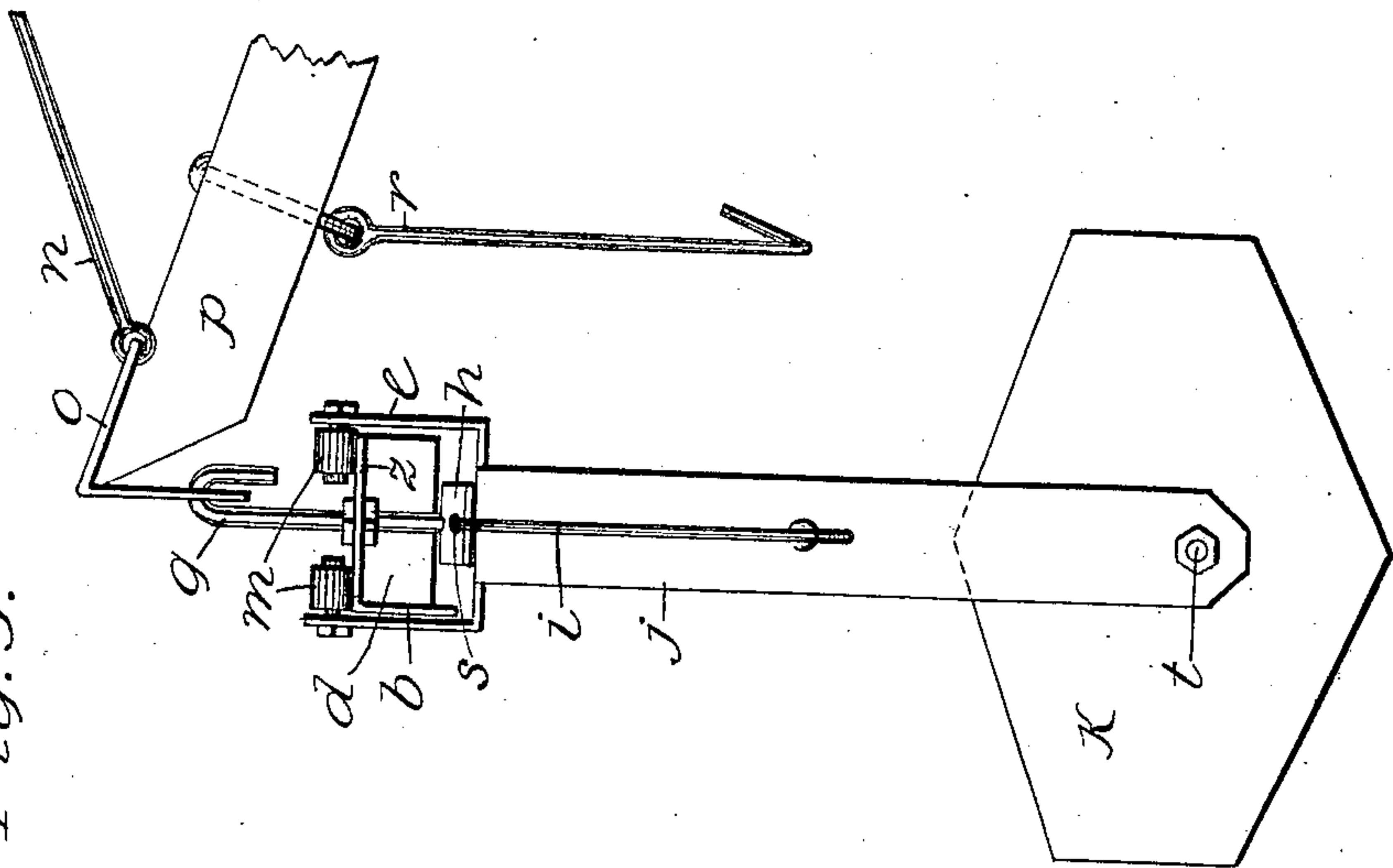
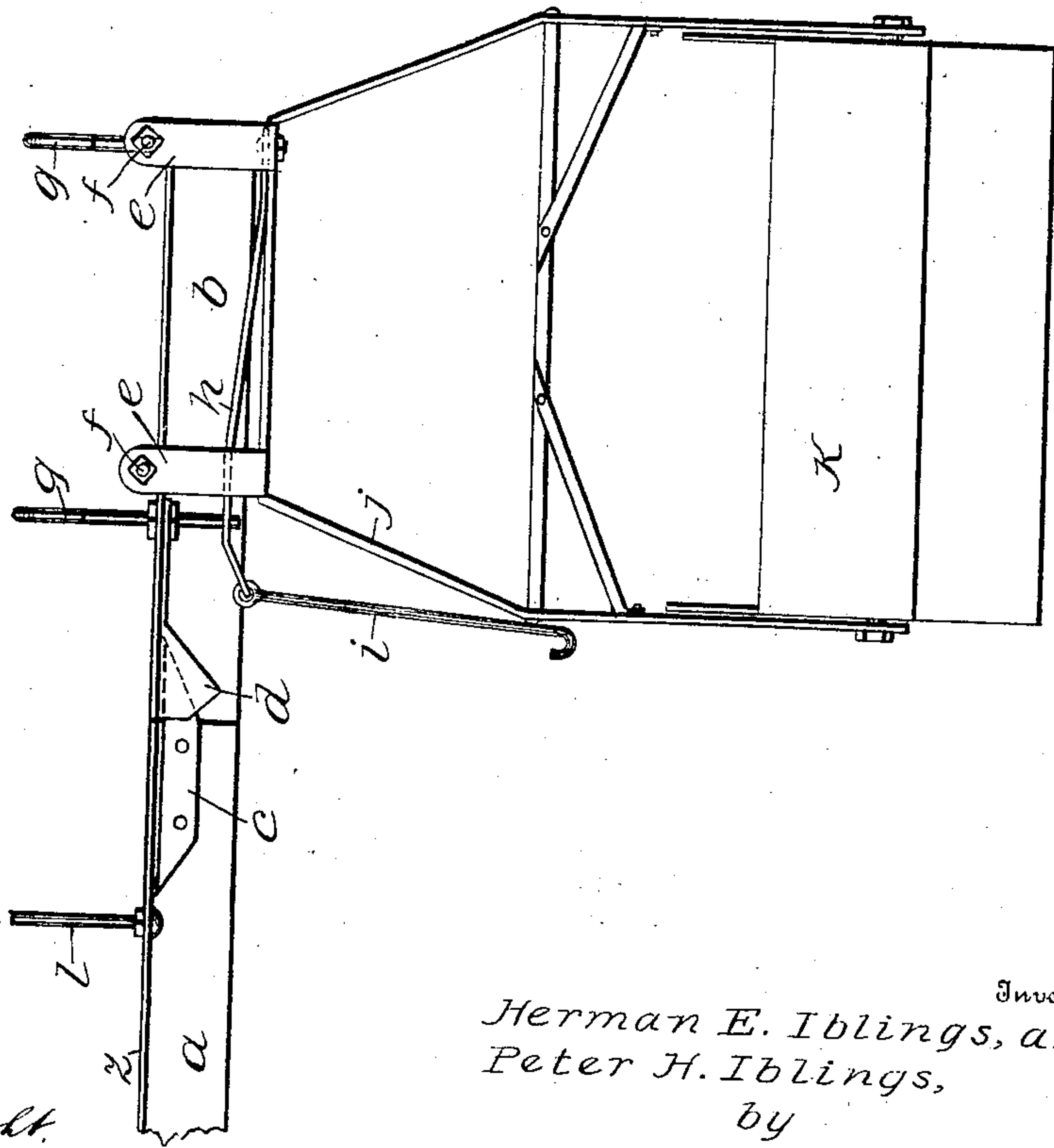


Fig. 2.



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# UNITED STATES PATENT OFFICE.

PETER H. IBLINGS, OF PARKERSBURG, AND HERMAN E. IBLINGS, OF WATERLOO, IOWA.

## ELEVATED CARRIER.

No. 868,186.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed August 30, 1906. Serial No. 332,653.

To all whom it may concern:

Be it known that we, PETER H. IBLINGS and HERMAN E. IBLINGS, citizens of the United States of America, and residents of Parkersburg, Butler county, Iowa, and Waterloo, Blackhawk county, Iowa, respectively, have invented certain new and useful Improvements in Elevated Carriers, of which the following is a specification.

Our invention relates to elevated carriers, and the object of our invention is to provide a tiltable wheeled carrier to be conveyed over an elevated track within a stable to a swinging crane outside, for the purpose of carrying out and dumping litter outside of the building. This object we have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the dumping crane with suspended carrier, Fig. 2 is a front elevation of the suspended tiltable carrier, showing its switch-rail, and Fig. 3 is an end elevation of the same, the two latter figures being drawn upon a larger scale than the former.

Similar letters refer to similar parts throughout the several views.

Within a building, such as is shown in Fig. 1, is suspended on fixed hangers *l* an elevated runway *a*, having an upper horizontal flanged member *z* to serve as a bearing surface or track for the wheels of the movable carrier *k*.

A short switch member *b*, capable of being removably connected to the outside or delivery end of the fixed suspended runway *a* is provided, to serve as an intermediate means of support for the carrier carriage *e*, between it and the extremity *p* of the swinging crane *n—u*. This switch-member is formed of a section of angle iron of the same dimensions as the runway *a—z*, and is provided with hooks *g* whereby it may be suspended from the drop-plate *o* on the crane sleeve *p*. The inner end of the said switch member has a hood *d* to receive the extension-plate *c* on the delivery end of the runway *a*, to keep the said switch-member and runway in proper alinement when in contact.

The carriage is composed of a base plate having oppositely placed uprights *e*, said base-plate having also depending hangers *j* in whose lower ends are pivoted the stub-axles *t* of the litter box *k*.

Inwardly directed rollers *m* are rotatably mounted on studs *f* in the upper portions of the uprights *e*, arranged so as to roll over the upper surface of the flange member of the suspended runway. In order to prevent the said carriage from passing off from the switch runway *b* when placed thereon, we have provided a catch *h* on said carriage being a bent resilient plate having one end attached to the upper surface of the outer end of the base-plate, and having its inner end

free and raised a suitable distance above said base-plate to engage the lower end of the downwardly projecting member of the hook *g*. The inner end of said catch *h* is downwardly bent slightly to easily pass under said hood-end, and has a perforation to receive said hook-end. To release said catch *h*, we have provided a finger-hold bar *i*, linked into a perforation *s* in the inner end of said catch-bar. The resiliency of the catch-bar *h* will keep it in engagement with the hook-end *g*, until it is depressed through the action of the finger-hold bar *i*.

The crane is composed of a swinging lever *u*, pivoted on a bolt *x* in the flange of a supporting plate *v* attached to the outer side of the building. The sleeve *p* of said crane is suspended on a rod *n* whose upper end is hooked to a staple set in the upper part of the outside wall of the building.

When the box *k* has been filled with litter within the building, its carriage may be conveyed along the runway *a* to and upon the switch member *b*, the latter being held in contact with said runway *a* by means of the swing-hook *r* on the sleeve *p* hooked over a nail *y* on the door casing. As the carriage passes upon the switch-member *b*, its catch *h* contacts with the lower end of the hook-end *g*, said hook-end slipping into and locking the catch in the position shown in Fig. 2. The hook *r* being then released from the nail *y*, the switch-member *b* may be detached from the runway *a*, and the crane *u* with its suspended carriage then swung outward to the desired location for the deposition of the contents of the tiltable box *k*.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A device of the character described, comprising in combination a fixed suspended rail having a pointed delivery end, a movable rail section having at one end a shoe adapted to engage the pointed end of the fixed rail, a trolley-carriage adapted to move over and upon said rails, a tiltable receptacle suspended from said carriage, a crane, and detachable means for removably securing said carriage to said movable rail section.

2. A device of the character described, comprising in combination a fixed suspended rail having a pointed delivery end, a movable rail section having at one end a shoe adapted to receive the pointed end of said fixed rail, a trolley-carriage adapted to move over and upon said rails, a tiltable receptacle suspended from said carriage, a swing-crane, detachable means for removably securing said carriage to said movable rail section, and detachable means for securing said crane in one position to hold said fixed rail point and movable rail shoe in engagement.

Signed at Waterloo, Iowa, this 11th day of Aug. 1906.

PETER H. IBLINGS,  
HERMAN E. IBLINGS.

Witnesses:

M. E. KENNEDY,  
G. C. KENNEDY.