

(Model.)

J. LUTZ.
WAGON END GATE.

No. 277,303.

Patented May 8, 1883.

Fig. 1.

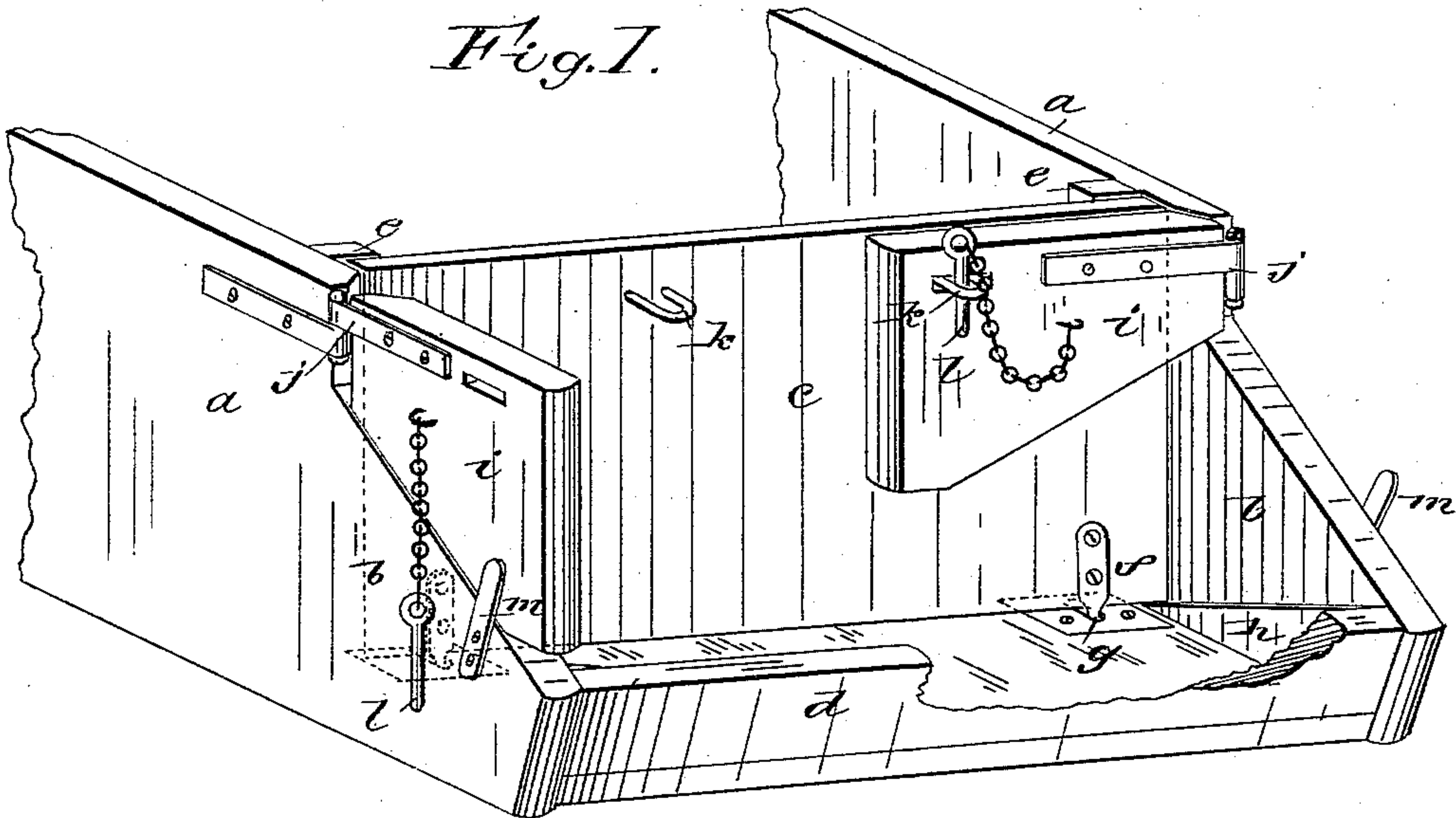


Fig. 2.

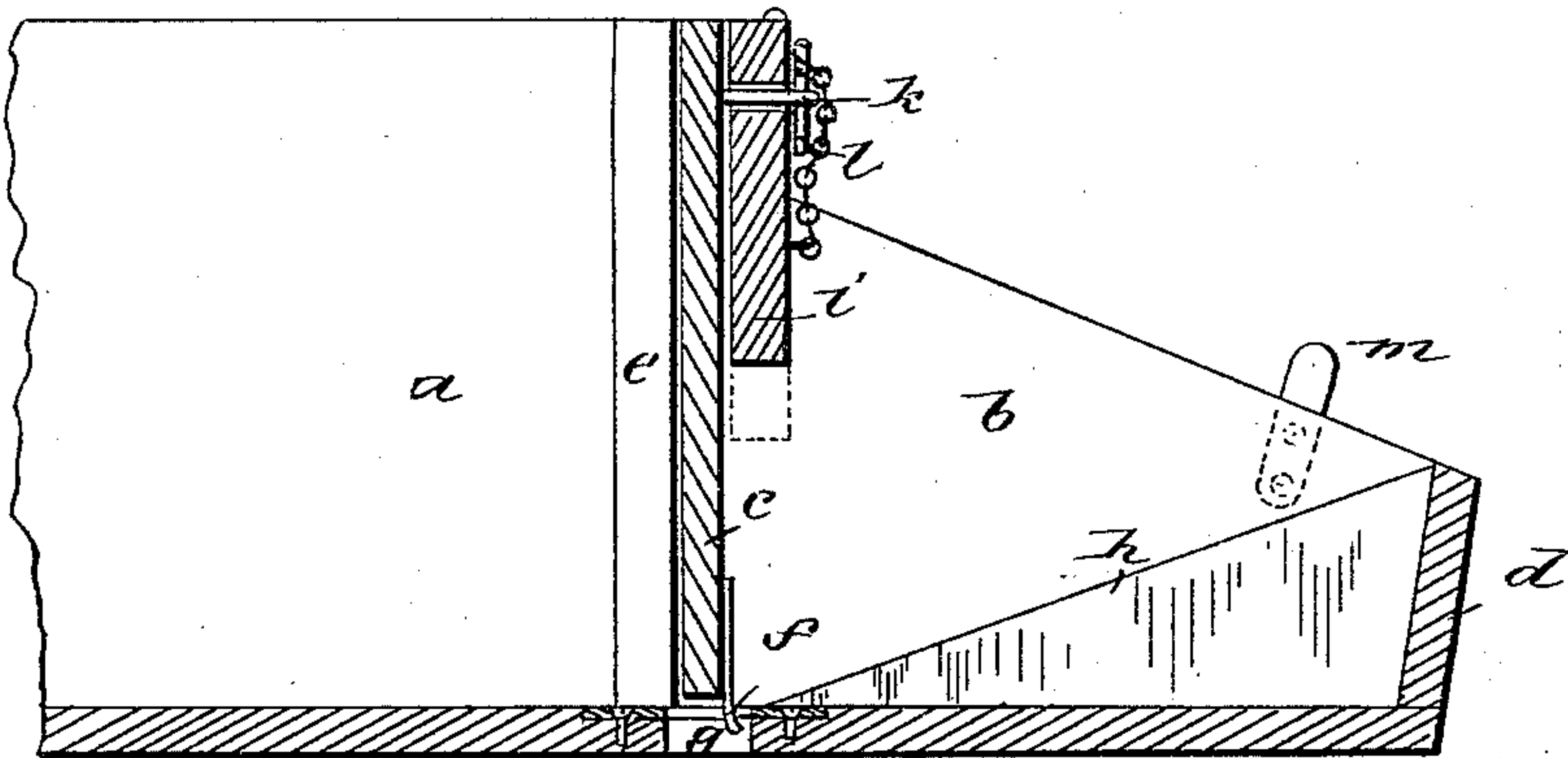
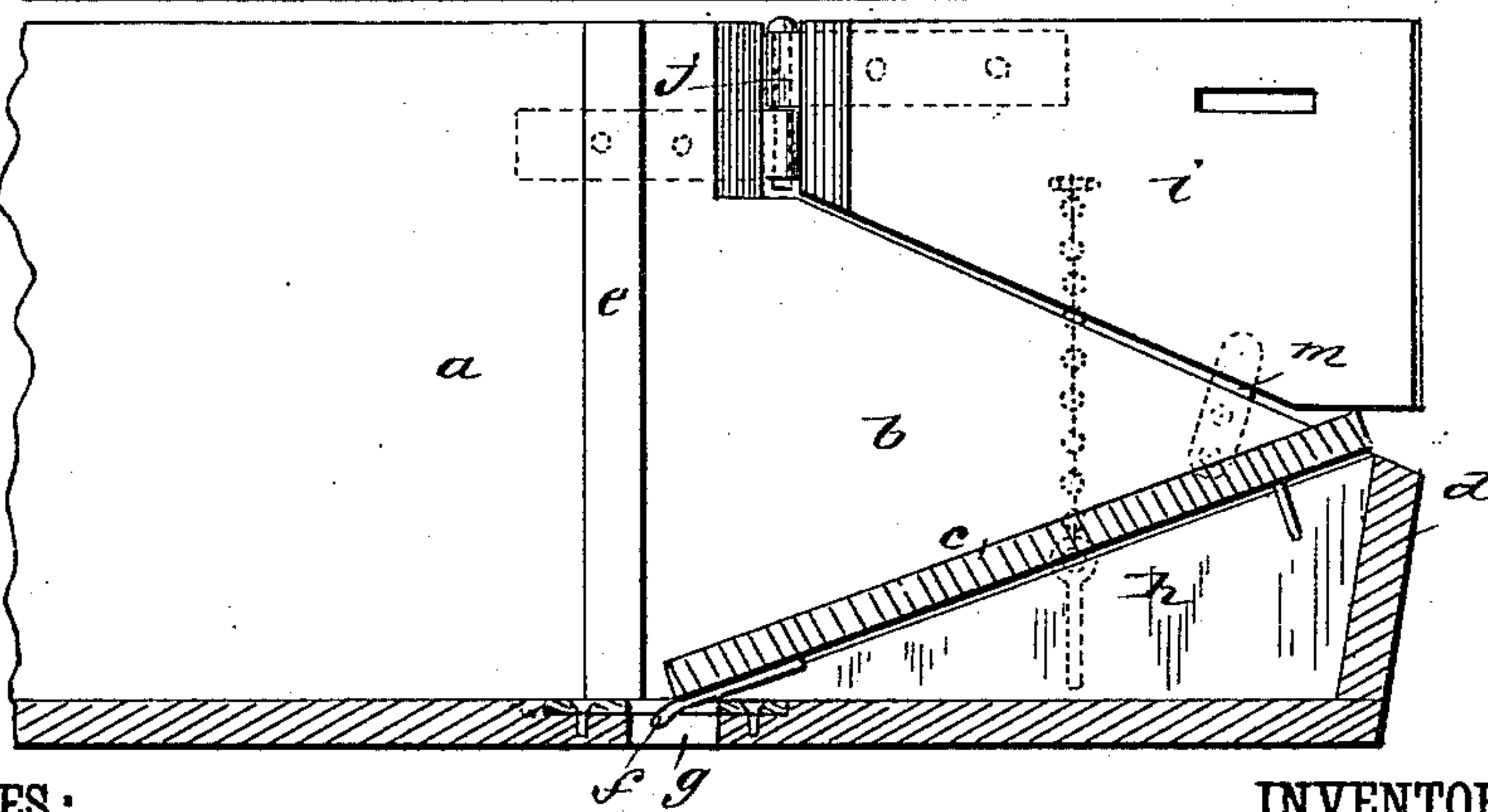


Fig. 3.



WITNESSES:

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JOHN LUTZ, OF XENIA, OHIO.

WAGON END-GATE.

SPECIFICATION forming part of Letters Patent No. 277,303, dated May 8, 1883.

Application filed January 6, 1883. (Model.)

To all whom it may concern:

Be it known that I, JOHN LUTZ, of Xenia, Greene county, Ohio, have invented a new and Improved End-Gate, of which the following is a full, clear, and exact description.

My invention consists of an improved end-gate contrivance for wagon-boxes, designed to facilitate the removal of the same, in order to enable the shovel or scoop to be used to better advantage in the first part of the removal of the load than the present arrangements afford, the said contrivance consisting, essentially, of the end-board arranged to swing down from the top backward to an inclined position on a lower end-board or other supports of an extension of the box, and between side wings, which, together with the said end-board, retain the contents of the box while allowing the shovel to be used, all as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the rear portion of a wagon-box with the improved end gate or board contrivance of my invention. Fig. 2 is a longitudinal sectional elevation of the same with the end-board closed up as for carrying the load, and Fig. 3 is a sectional elevation of the same with the end-board and wings adjusted for shoveling out the load.

For the use of my improved end-board contrivance I propose to employ a wagon-box whose sides *a* have the sloping end extension, *b*, backward of the place for the end board or gate proper, *c*, and, if desired, have the narrow end-board *d* connected to them, with which box I arrange the said end-board back of the cleats *e*, and so that it can swing down backward on pivots preferably consisting of studs or hooks *f*, fitted in slots *g* of the bottom of the box, and rest on the inclines *h* and the top of end-board *d* when it is wanted to enable the shovel to be used for discharging a load of corn-ears, potatoes, apples, and other mate-

rials into which the shovel cannot be directly thrust without damage to them, and to prevent the contents of the box from escaping over the upper edge of the inclined extensions *b*. When the gate is let down I attach the side wings, *i*, to the ends of the sides *a*, above the inclines, by hinge-joints *j*, so as to utilize them for securing the end-board *c* by swinging up behind it and fastening to it by staples *k* and pins *l* when the end-board is to be secured in the normal position, and so that said wings may swing back over extensions *b*, and be there confined by buttons or cleats *m*, and thus prevent any of the contents of the box from escaping over said extension.

To enable the wings to be taken off readily in case it is preferred to use any other fastening device for the end-board *c*, as a strong bar of iron, the hinge-joints *j* are made readily detachable, as strap-hinges are commonly made, by lifting the wings up. The connection of the end-board *c* to the bottom of the wagon-body by the points *f* and slots *g* also facilitates the detachment of the end-board when desired.

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

1. The combination, with the sides *a* of a wagon-body, having the end-board *d* and the inclines *h*, of the end-gate *c*, provided with the studs or hooks *f*, working in slots *g* in the bottom of the body, the hinged wings *i*, and means for securing them to the end-gate, substantially as herein shown and described.

2. The combination, with the sides *a*, having sloping extensions *b*, and the end-gate *c*, of the wings *i*, having inclined lower edges and hinged to the end of the sides above the sloping extension, the cleats or buttons *m*, and the staples and pins *k l*, substantially as herein shown and described.

JOHN LUTZ.

Witnesses:

A. G. WILSON,
ALEX. W. BROWN.