

(No Model.)

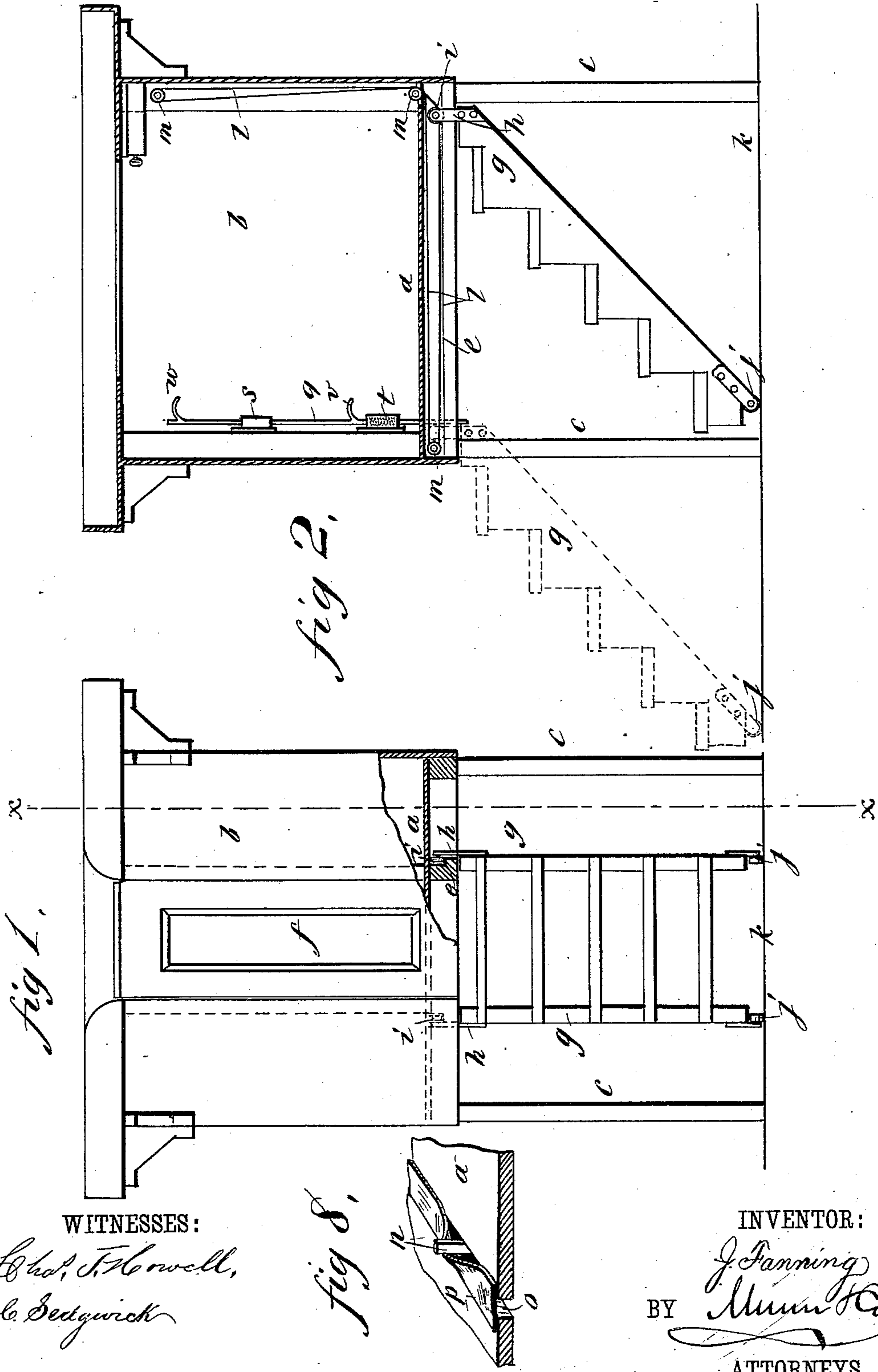
2 Sheets—Sheet 1.

J. FANNING.

CASH DESK.

No. 278,921.

Patented June 5, 1883.



WITNESSES:
Chas. F. Howell,
C. Sedgwick

INVENTOR:
J. Fanning
BY *Munn & Co*
ATTORNEYS.

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2 Sheets—Sheet 2.

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fig 9.

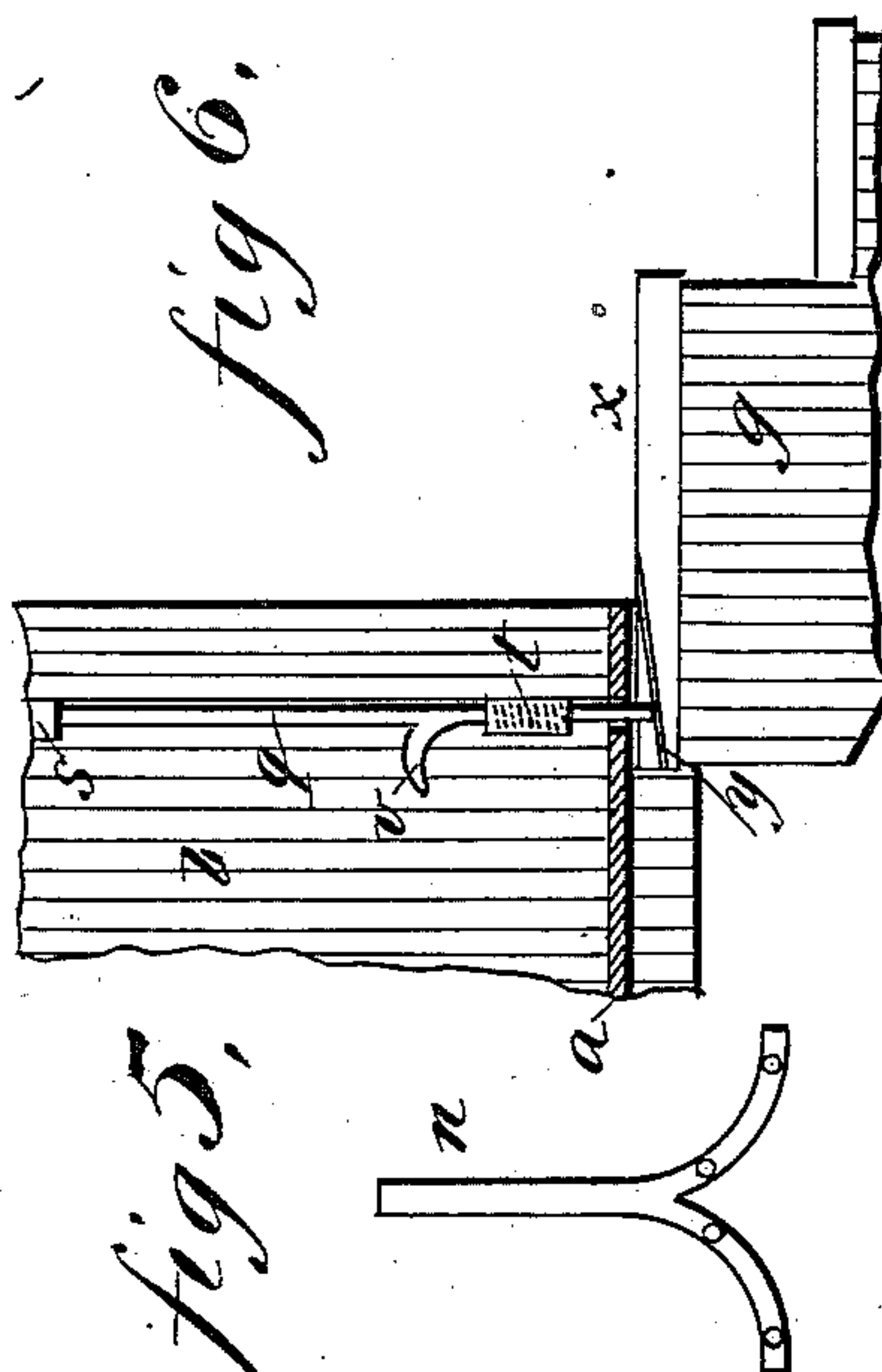
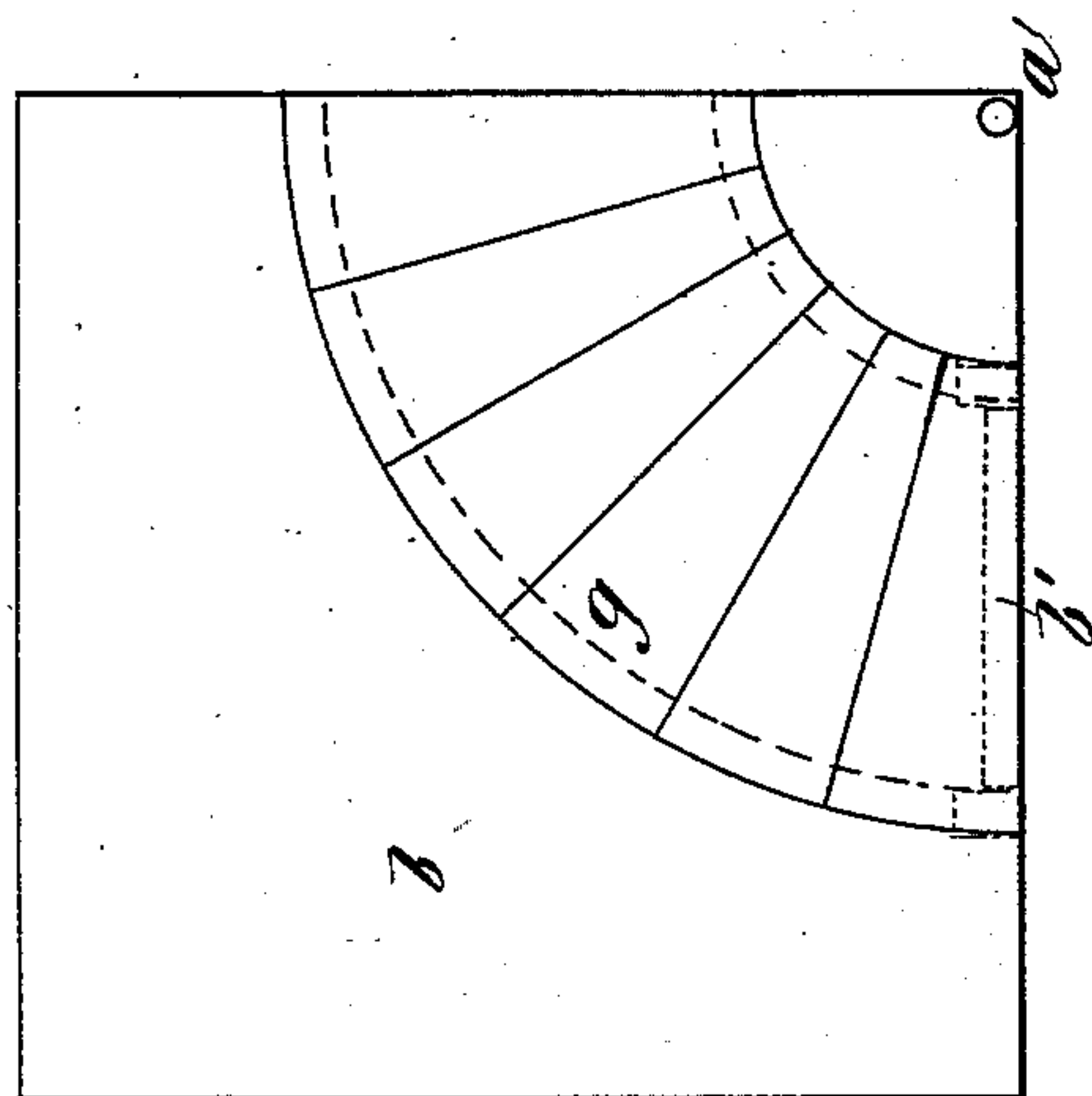


fig 5.

fig 4.

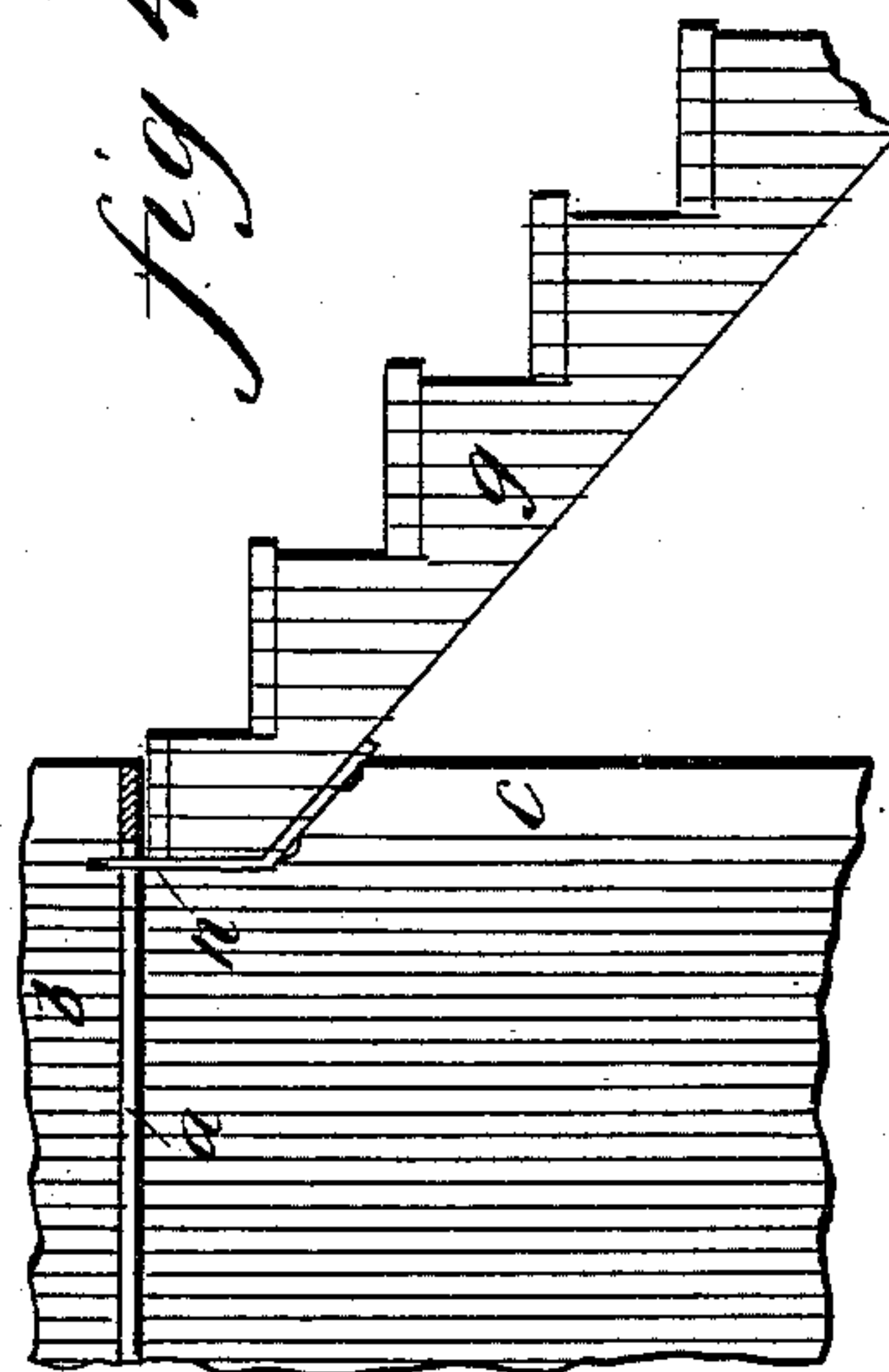
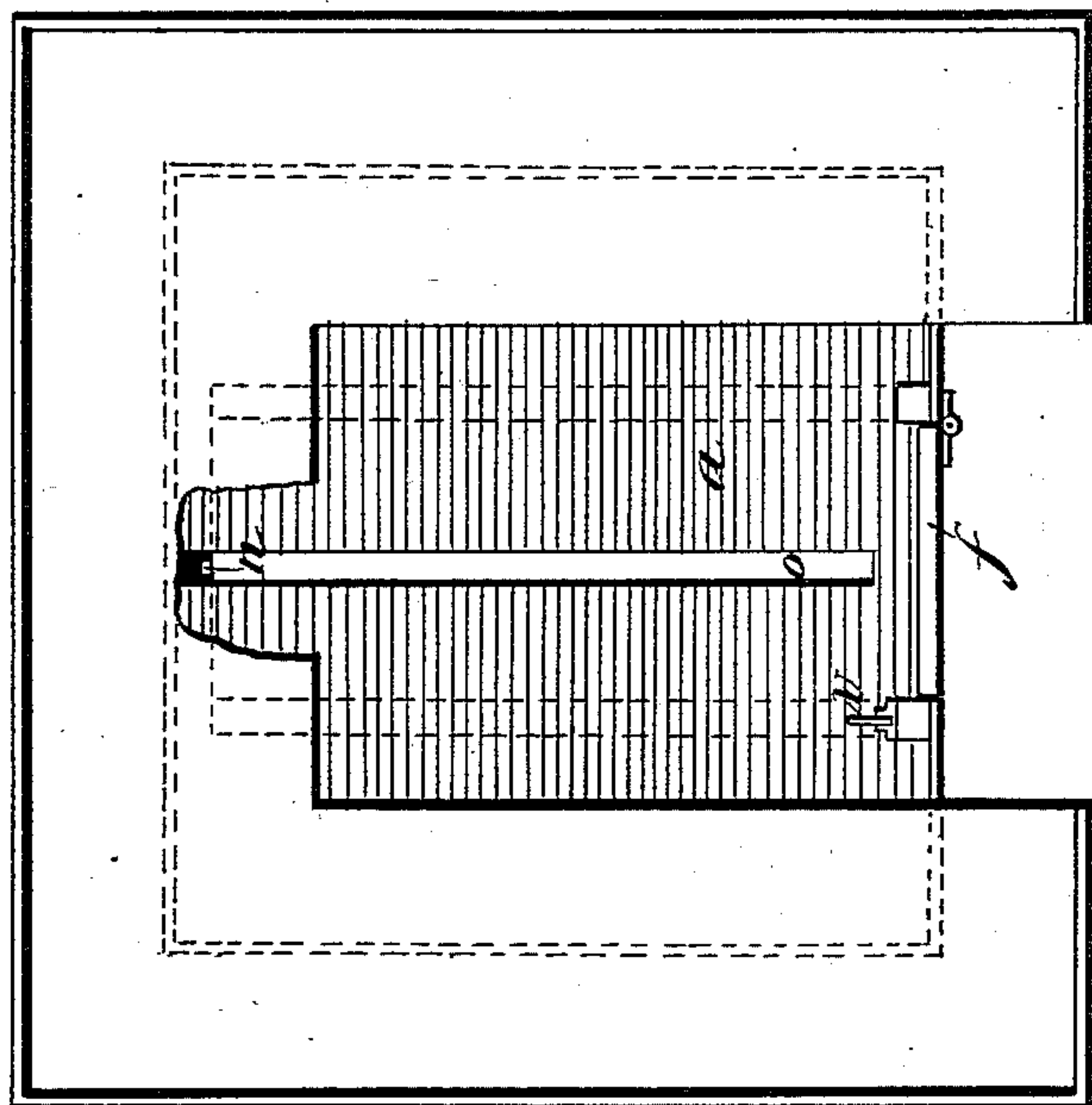


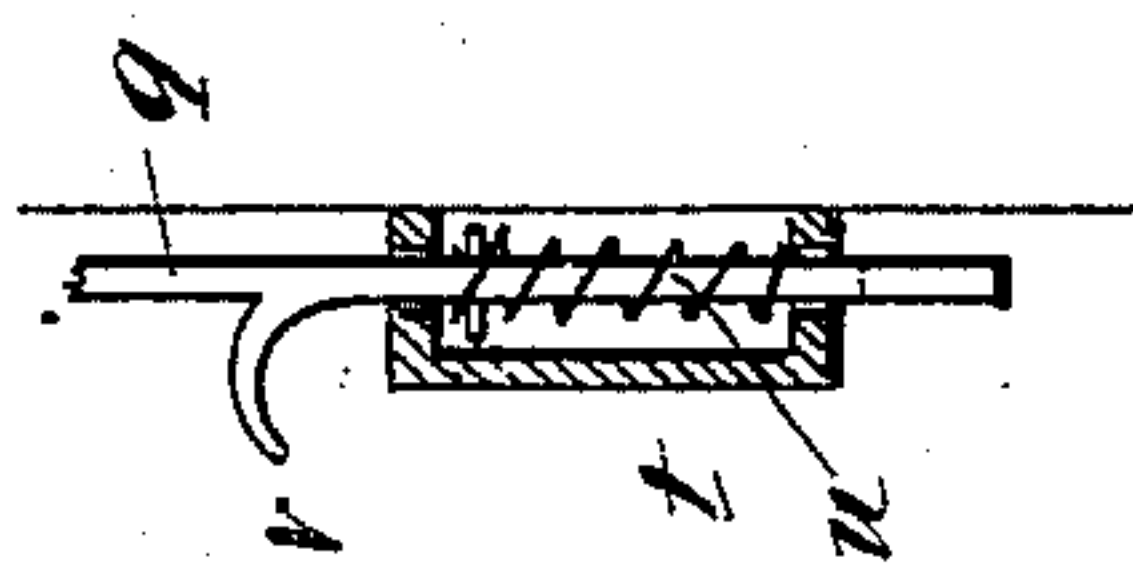
fig 3.



WITNESSES:

Chas. T. Howell,
C. Sedgwick

fig 1.



INVENTOR:

J. Fanning
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UNITED STATES PATENT OFFICE.

JAMES FANNING, OF SALEM, MASSACHUSETTS.

CASH-DESK.

SPECIFICATION forming part of Letters Patent No. 278,921, dated June 5, 1883.

Application filed April 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES FANNING, of Salem, in the county of Essex and State of Massachusetts, have invented a new and Improved Cash-Desk, of which the following is a full, clear, and exact description.

My invention relates to the elevated desk used with the mechanical cash-carrier system now in vogue; and it consists of a contrivance of the stairs for entering and leaving it, to slide under it when not required for use, and to be shifted from under it for use, together with means by which the occupant of the desk may conveniently shift the stairs as required, the object being to economize floor-space in the store, all as hereinafter fully described.

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 front elevation of my improved cash-desk, with a part in section. Fig. 2 is a sectional elevation of Fig. 1 on the line *x x*. Fig. 3 is a top view of the desk. Fig. 4 is a detail in section, showing the stairs shifted out into the position for use. Fig. 5 is a detail of a device by which the occupant of the desk may shift the stairs with his foot. Fig. 6 is a detail of the desk and stairs, showing a locking-bolt to secure the stairs in the position for use. Fig. 7 is a detail of the locking-bolt. Fig. 8 is a detail of the foot device in perspective view, and Fig. 9 is a diagram showing the similar application of circular stairs to the elevated cash-desk.

Under the floor *a* of the elevated cash-desk *b*, mounted on legs *c*, I arrange a pair of rails, *e*, traversing it from front to back, and at either side of the door *f*, on which rails I suspend the upper end of the stair-stringers *g* by bars *h* and rollers *i* in any approved arrangement, also providing the stringers with rollers *j* at the lower end in any suitable way to run along the store-floor *k*, the said rails and rollers being so contrived that the stairs may be shifted back under the desk or forward to the front, according as may be required, and as represented in Fig. 2.

For enabling the person occupying the desk to shift the stairs back after entering and forward when desiring to leave, I arrange the endless cord *l* and pulleys *m*, in connection with

said stairs, as shown, or in any approved way, whereby he may, while in the desk, shift the stairs by pulling the cord one way or the other, according to the way he desires the stairs to shift. The cord is connected by both ends to some part of the stairs—say the bracket *n*—and arranged over the pulleys *m* suitably to run along the place where it is to be pulled, and also along the course the bracket runs by which the cord is attached to the stairs. To enable the operator to shift the stairs by the foot, I propose to extend the bracket *n* up through a slot, *o*, in the floor *a* suitably for the purpose, and may cover the slot by a strip of rubber, *p*, or other suitable web of flexible material.

To fasten the steps shifted out for use and prevent them from being accidentally shifted back when required for use, I propose to arrange a spring-bolt, *q*, in suitable supports, *s t*, and in relation to the stairs so that it will drop behind the top, as represented in Fig. 2, to lock them in position. The bolt will be provided with a spring, *u*, to thrust it down when the stairs are shifted forward, also with two handles, *v* and *w*, for lifting it up, the upper handle to be used by the occupant of the desk and the lower handle by one standing on the floor. The bolt may rest on the rail *x*, after being raised, until the top of the stairs passes from under it, and the rail may be sloped at *y* to avoid lifting the bolt the full height of the rail.

In case a circular stair is used it may be arranged to swing on a pivot, say, at *a'*, the door being at *b'*; or, if preferred, it may be made to slide the same as the other. In this case, when the stairs swing, the rails attached to the floor of the desk, and on which the stairs are suspended, will be circular to correspond with the direction of the movements of the stairs.

I do not limit myself to any particular arrangement.

Any suitable jointed or flexible hand-rail adapted to be folded down and set up readily may be applied to the stairs, if desired.

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

1. The combination, with a cash-desk supported in an elevated position above the store-floor, of stairs extending from the main floor to the floor of the desk, and being arranged, in combination with rails under the floor of the

desk and with rollers on the floor, to slide under the desk and from under it, substantially as described.

2. The combination, with an elevated desk, of stairs suspended by rails under the floor of the desk, and being movable along said rails for extending and retiring said stairs, also the endless cord *l* and rollers *m*, arranged to enable the occupant of the desk to shift the stairs, substantially as described.

3. The combination, with an elevated desk, of stairs suspended by rails under the floor of the desk, and being movable along said rails for extending and retiring said stairs, also a fastening-bolt, *q*, to secure the stairs in the position for use, substantially as described.

4. The combination, with an elevated desk, of stairs suspended by rails under the floor of the desk, and being movable along said rails

for extending and retiring said stairs, also a fastening-bolt, *q*, to secure the stairs in position, said bolt having a handle, *w*, for use by the occupant of the desk, and another handle, *v*, located for use by a person on the main floor, substantially as described.

5. The combination, with an elevated desk, of stairs suspended by rails under the floor of the desk, and being movable along said rails for extending and retiring said stairs, also a bracket, *n*, attached to the stairs and extending through a slot in the floor of the desk, for shifting the stairs by the foot, substantially as described.

JAMES FANNING.

Witnesses:

JNO. J. GRAY,
CHARLES ODELL.