

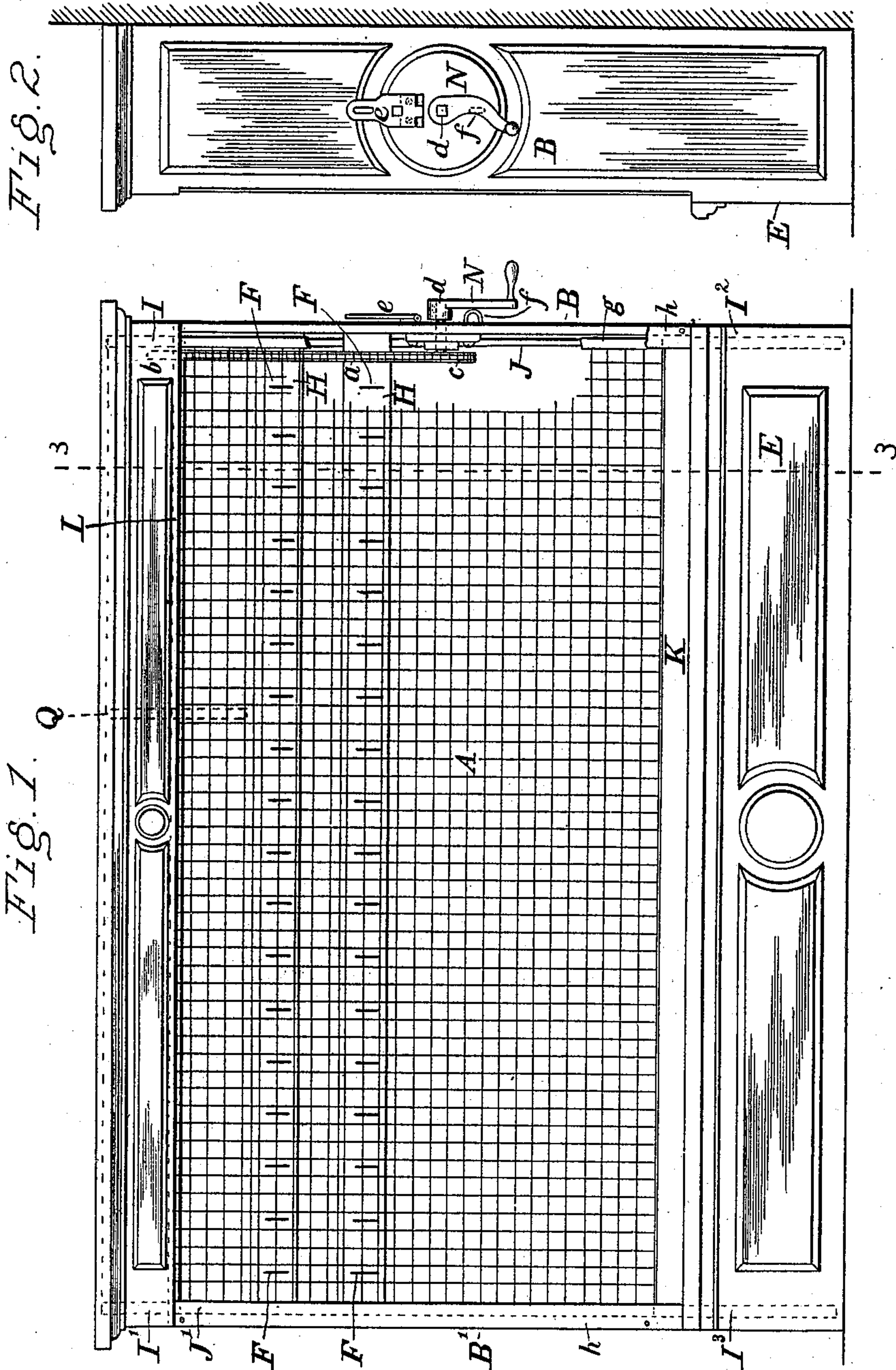
(No Model.)

2 Sheets—Sheet 1.

S. P. MOULTHROP.
WARDROBE.

No. 601,855.

Patented Apr. 5, 1898.



Witnesses.

G. S. Dey.
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Inventor.

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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

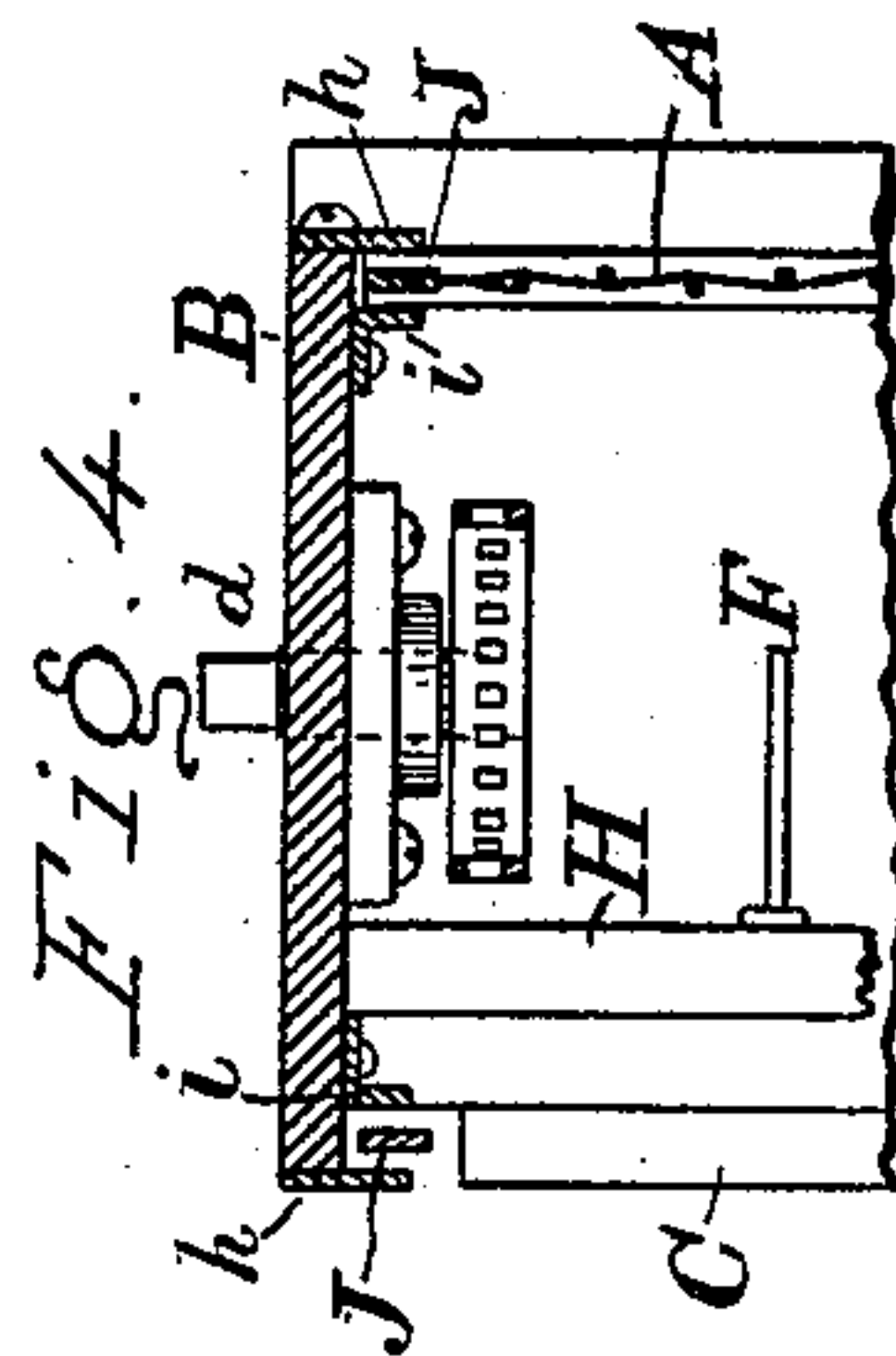
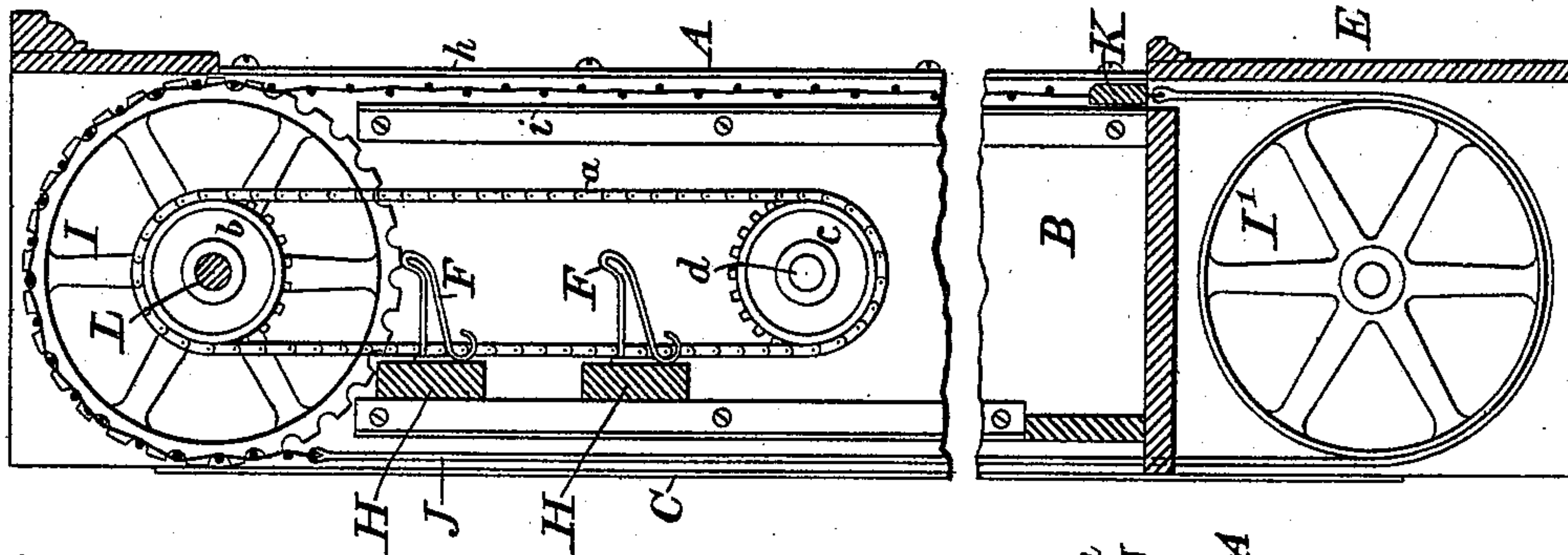
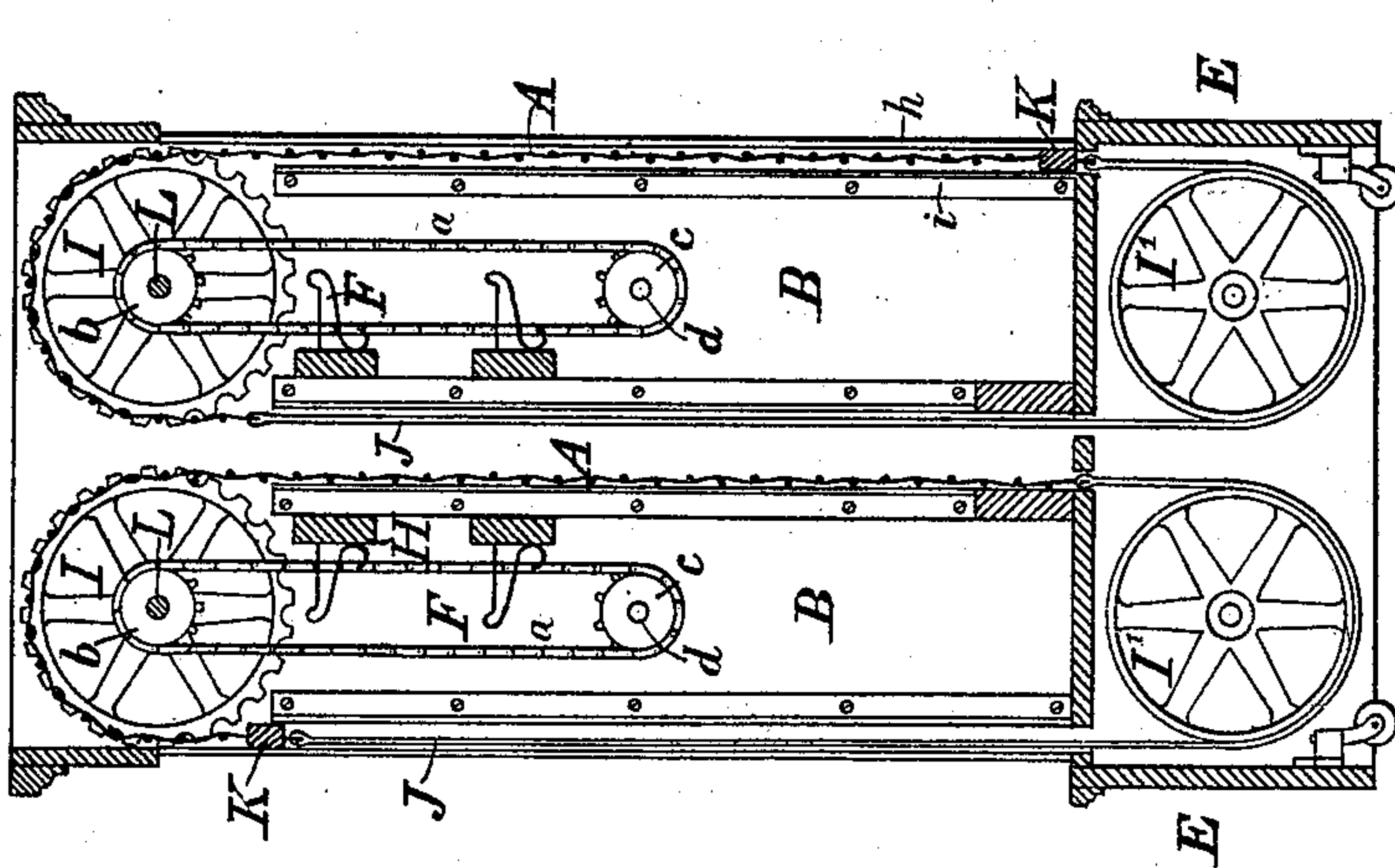


Fig. 5.



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UNITED STATES PATENT OFFICE.

SAMUEL P. MOULTHROP, OF ROCHESTER, NEW YORK.

WARDROBE.

SPECIFICATION forming part of Letters Patent No. 601,855, dated April 5, 1898.

Application filed September 13, 1897. Serial No. 651,530. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL P. MOULTHROP, a citizen of the United States, residing at Rochester, in the State of New York, have invented certain Improvements in Wardrobes, of which the following is a specification; reference being had to the accompanying drawings.

My invention relates to improvements in the construction of wardrobes designed more particularly for schools, academies, &c., but capable of use for other purposes.

My improvements are fully described and illustrated in the following specification and the accompanying drawings, the novel features thereof being specified in the claims annexed to the said specification.

In the accompanying drawings, representing my improved wardrobe, Figure 1 is a front elevation. Fig. 2 is an end elevation. Fig. 3 is a vertical section on the line 3 3, Fig. 1, looking toward the right. Fig. 4 is a partial horizontal section. Fig. 5 is a transverse vertical section of a double wardrobe.

In the construction of my improved wardrobe I provide a suitable casing of any required dimensions, open at the front, and consisting of the ends B B', back C, and base E. Within the casing I arrange one or more rows of hooks F, adapted to support the usual articles of wearing-apparel. These hooks may be either directly affixed to the back of the casing or they may, as shown, be applied to a cross bar or bars H, which are themselves supported by the ends of the casing. A is a flexible screen, made of perforated sheet metal, wire-netting, or other suitable material, which is drawn down to close the front of the casing when it is desired to protect the articles therein. This screen is supported on and travels around the pulleys I I' I² I³, its ends being connected together by the flexible bands J J', located just inside the ends of the casing. The screen is provided at either or both ends with the bar K, which stiffens its edge and holds it in proper position during its movement. The bands J J' are attached at one end to the bar K and at the other end to the flexible screen, the bands running around the lower pulleys I' I³ and serving to keep the screen in contact with the upper pulleys. Any suitable means may be employed

for tightening up the bands. The upper pulleys may be smooth, but I prefer to provide them with teeth of dimensions adapted to engage with the openings in the screen and to secure its proper movement. The upper pulleys I I' are supported on the shaft L, which extends lengthwise of the casing, being journaled in its ends. The shaft L is rotated in either direction by the chain *a* and sprockets *b* and *c*. A crank or handle N is provided with a shaft *d*, which passes through the end of the case and carries the sprocket *c*. This crank serves to shift the screen in either direction to open or close the front of the casing. In order to lock the screen, I make the crank N detachable from its shaft *d* and provide the hasp *e*, which is folded over the end of the shaft *d*, which is squared or otherwise shaped so that it cannot revolve when the hasp is engaged with it. The hasp is secured to the staple *f* by a padlock or other suitable device. Any other preferred means of securing the screen in the closed position may be employed.

In wardrobes of considerable length one or more pulleys Q, Fig. 1, are applied to the shaft L at suitable distances from the ends to support the screen, and corresponding pulleys and bands may be employed in the base, if required. In most cases I prefer to fasten both the pulleys I I' to the shaft L, so that the screen is driven at both ends; but the screen may be driven at one end only, in which case the shaft L may be omitted, the pulleys turning on suitable studs affixed to the ends of the casing.

The edges of the screen are preferably provided with a suitable flexible binding *g*, which may be of metal, and suitable guides *h* and *i* are attached to the casing to insure its proper movement and support it in place. Similar guides may be employed for the bands J. The back of the casing may be of sheet metal, perforated, or of wire-netting, or, as indicated in Fig. 2, the casing may be placed against the wall of the room in which my improved wardrobe is designed to be used.

In order to facilitate the ventilation, I leave the top of my improved wardrobe open or cover it with a suitable perforated screen. The screen is made of sufficient length to close the front and top of the case, both of which

are, except for the screens, left open to provide for the inward and upward circulation of air through the wardrobe and around its contents.

5 The binding *g*, situated between the guides *h* *i*, prevents access to the edge, whereby it might be bent to admit the hand or arm of a meddler.

The bar *K* holds the screen widthwise and
10 keeps the binding in the concealed ways between the guides. It also constitutes a stop and is arrested in one direction by the floor or partition of the wardrobe, which is provided with passages sufficient for the bands,
15 but not wide enough to admit the passage of the bar, and it is arrested in the other direction by a sprocket-wheel and the casing.

The base may be provided with doors and employed to store overshoes or other articles.

20 In Fig. 5 I have represented a double wardrobe containing my improvements, one side being shown as closed and the other open. The construction is similar to that already described.

25 My improved wardrobe is cheap and durable, affords free ventilation, and effectually protects the clothes or articles placed within it.

I claim—

30 1. The combination with a suitable casing, open at its top and at the front, of the perforated movable flexible screen coextensive with said front and top openings and adapted to be shifted vertically up and down to open
35 and close the front, suitable pulleys revolving on horizontal axes in the upper and lower parts of the casing, the flexible bands connecting the ends of the flexible screen and passing around said pulleys, and means for
40 operating the flexible screen, substantially as described.

2. The combination with a suitable casing open at its top and at the front, of the perforated movable flexible screen adapted to be

shifted vertically up and down to open and 45 close the front, suitable pulleys revolving on horizontal axes in the upper and lower parts of the casing, the flexible bands connecting the ends of the flexible screen and passing around said pulleys, means for operating the 50 flexible screen, a floor or partition having openings for the passage of the bands, and a bar *K* to hold the screen extended laterally and serve as a stop at the floor, substantially as described. 55

3. The combination with a suitable casing open at its top and at the front, of the perforated movable flexible screen adapted to be shifted vertically up and down to open and 60 close the front, suitable pulleys revolving on horizontal axes in the upper and lower parts of the casing, the flexible bands connecting the ends of the flexible screen and passing around said pulleys, means for operating the 65 flexible screen, a floor or partition having openings for the passage of the bands, a bar *K* to hold the screen extended laterally and serve as a stop at the floor, guides *h*, *i*, and binding *g*, substantially as described.

4. In combination, a suitable casing open 70 at its top and at the front, and having a horizontal partition forming a lower compartment, a door for said compartment, a perforated movable flexible screen adapted to be shifted vertically up and down to open and 75 close the front, stops on said screen, suitable pulleys revolving on horizontal axes in the upper part of the casing and in the lower compartment near the ends of said casing, flexible bands connecting the ends of the flexible 80 screen and passing around said pulleys in the lower compartment, and means for operating the flexible screen, substantially as described.

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Witnesses:

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