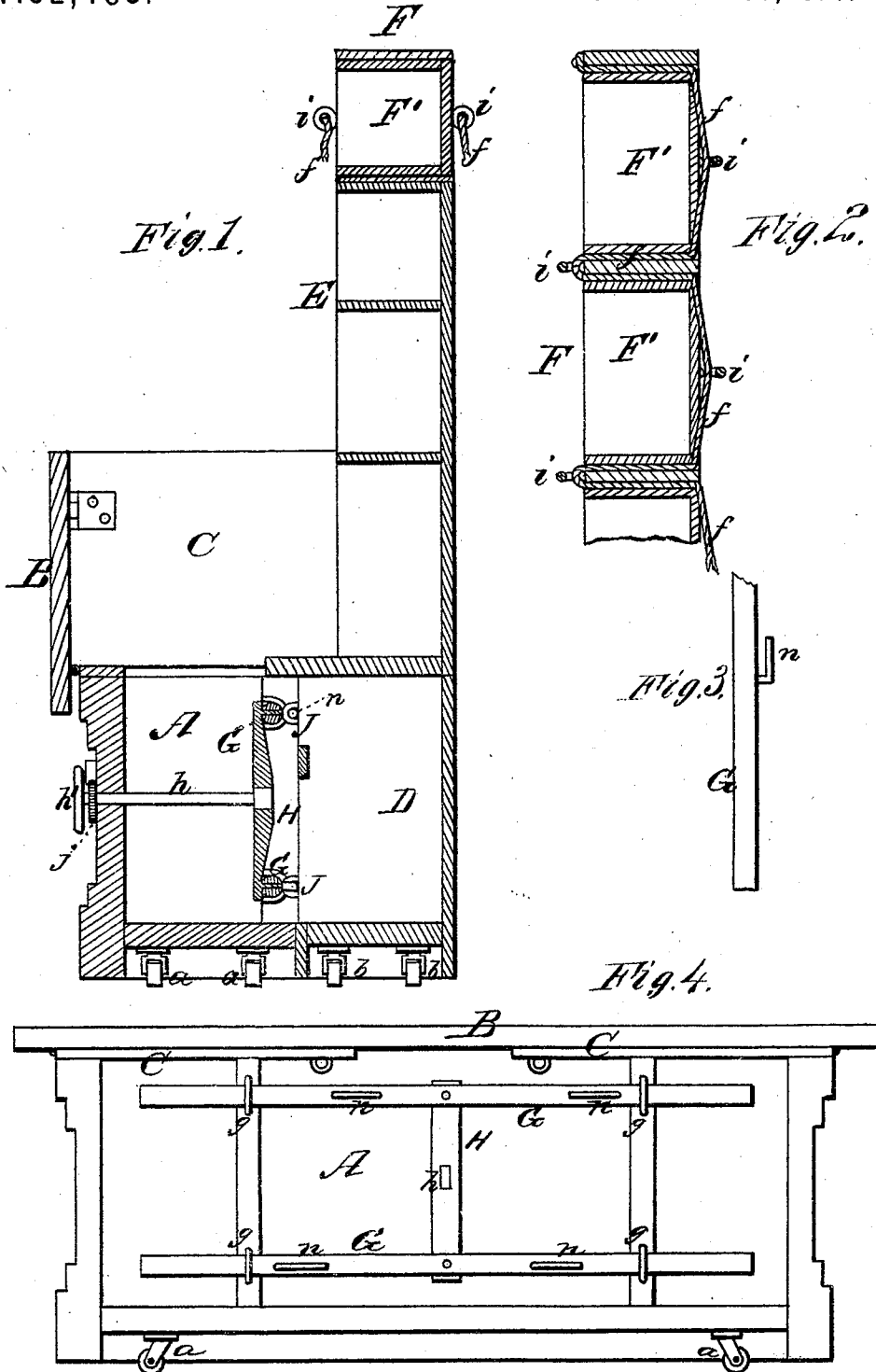


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Movable Store-Counters.

No.152,483.

Patented June 30, 1874.



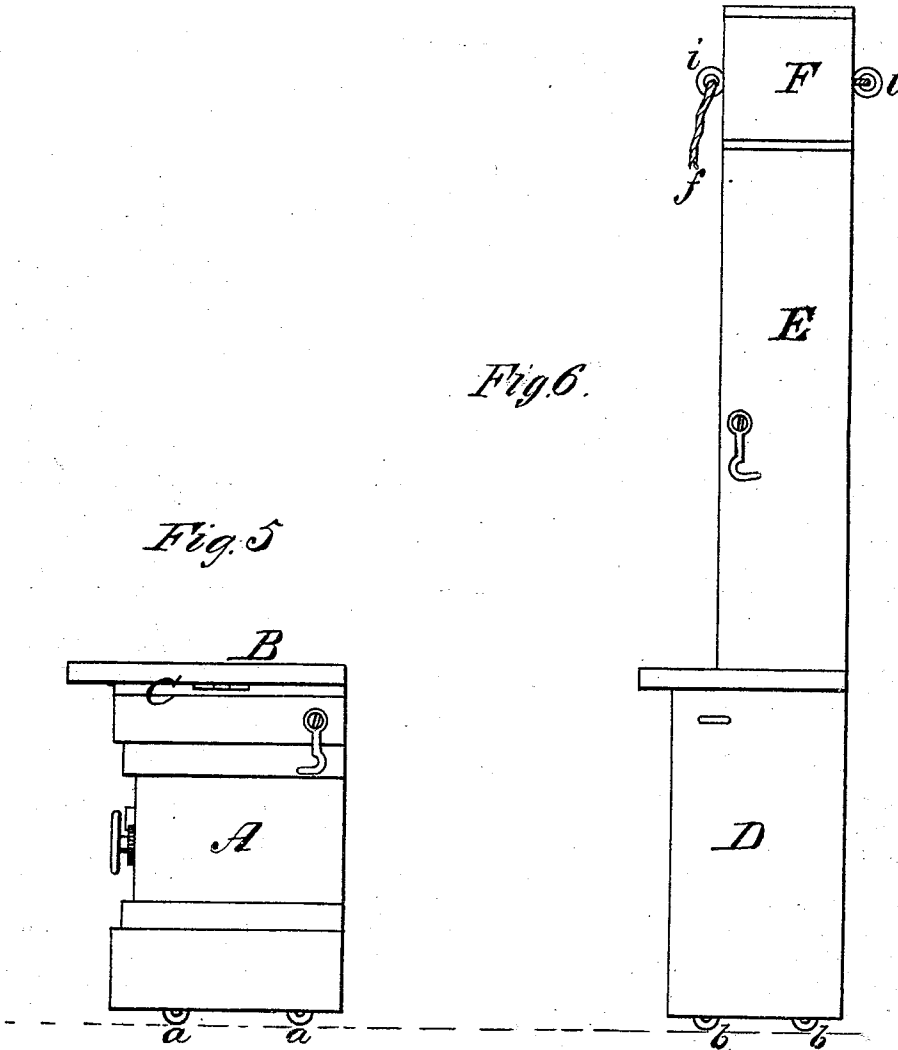
Witnesses.
E. H. Bates
George C. Upham.

Inventor.
Joseph Grimes.
Chipman, Rowlett & Co. attys.

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Clipman, Horner & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

JOSEPH GRIMES, OF NORTH GROVES, INDIANA.

IMPROVEMENT IN MOVABLE STORE-COUNTERS.

Specification forming part of Letters Patent No. **152,483**, dated June 30, 1874; application filed April 23, 1874.

To all whom it may concern:

Be it known that I, JOSEPH GRIMES, of North Groves, in the county of Miami and State of Indiana, have invented a new and valuable Improvement in Movable Counters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view, and Fig. 2 a detailed sectional view, of my counter. Fig. 3 is a detail, and Fig. 4 a plan, view of the same. Figs. 5 and 6 are end views.

This invention relates to counters and shelving for stores, wherein it is desired to readily remove them and the goods on them in case of fire.

The nature of my invention and improvement consists in providing a counter, and the shelving behind the same, with rollers or wheels, and also with a contrivance by which they can be bolted together, and thus moved out of a store in case of fire; also, in a counter-top which is hinged to the body of the counter, and provided with folding hinged ends, for the purpose of affording, when erected, a receptacle for holding goods which are removed from the higher shelves. My invention further consists in combining, with stationary shelves and my movable or rolling counter and its shelves, certain means whereby the goods on said stationary shelves can be instantly discharged from them into the body of the counter, as will be hereinafter explained.

The following is a description of my improvements:

In the annexed drawings, A designates a counter, which is mounted on castor-wheels *a a*, and B is the top of this counter, which is connected to the front edge thereof by means of hinges, and is constructed with hinged ends C, which fold under it, as shown in Figs. 4 and 5. D designates the back counter, which is also mounted on wheels or rollers *b b*, and

on which shelving E is constructed, so as to be movable with it.

Above the shelving E stationary shelving F is constructed, in which I apply dischargers F' of rectangular form. These dischargers are movable together by means of a rope, *f*, which is passed through eyes *i i*, fixed on the backs of the dischargers, and to the front edges of the partitions which are between them, as shown in Fig. 2.

By pulling on one end of the rope *f* all the dischargers in a nest can be moved forward, thereby discharging the goods from the shelf.

In the event of a fire breaking out in a store, the front and back counters A D are adjusted together, and the top B and its wings C C are erected as shown in Fig. 1, thereby forming a receptacle for the goods discharged from the stationary shelves.

When the counters are adjusted together they are firmly secured in such position by the following simple contrivance: G G designate two horizontal bars, which are allowed to receive endwise movements through guides *g*, fixed to the rear edges of uprights applied to the counter A. These bars G G are movable in opposite directions by means of a connecting-piece, H, which is pivoted to them, and centrally secured to a horizontal rod, *h*, which extends through the front of the counter, and has a hand-wheel, *h'*, secured to its front end, as shown in Fig. 1.

By means of a ratchet and pawl, *j*, or other equivalent device, the parts can be held firmly after adjustment.

The bars G G have hooks *n n* fixed to them, which, by engaging with eyes fixed to the front edges of the uprights applied to the back counter D, will secure the two counters together.

It will be seen from the above description that in case of fire all the goods in a store, together with the counters and most of the shelving, can be quickly drawn out of the store, and saved from destruction and injury.

What I claim as new, and desire to secure by Letters Patent, is—

1. The front and back counters mounted

on wheels, in combination with a device for locking together the open sides of said counters, substantially as described.

2. The combination, with the counters A D, of the hinged top B and ends C, as and for the purpose described.

3. Dischargers F', in combination with shelving F, and operated substantially as and for the purposes described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH GRIMES.

Witnesses:

GEORGE E. UPHAM,
FRANK J. MASL.