

W. S. Mayo,

Trunk.

No. 102,291.

Patented Apr. 26. 1870.

Fig. 1.

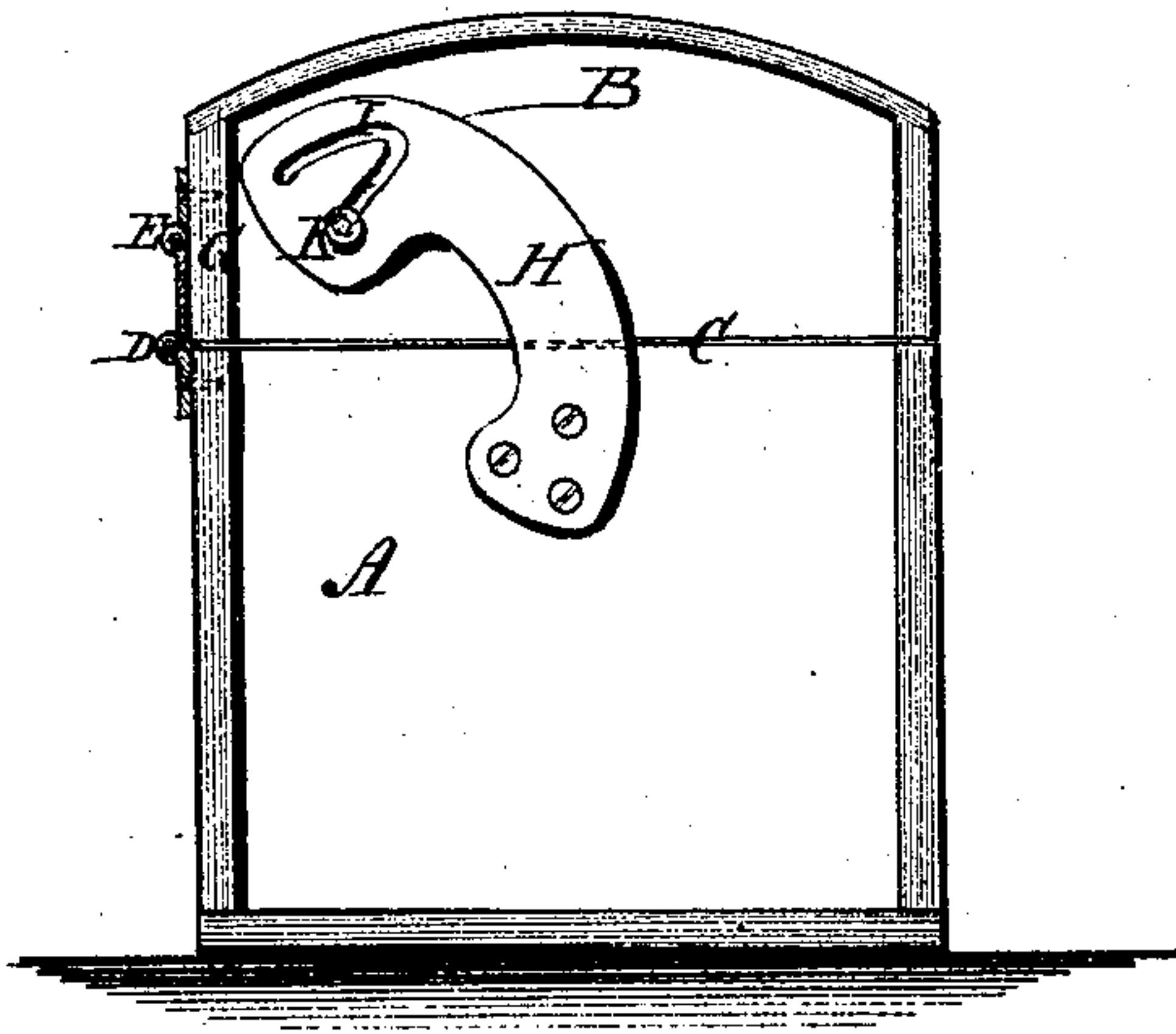
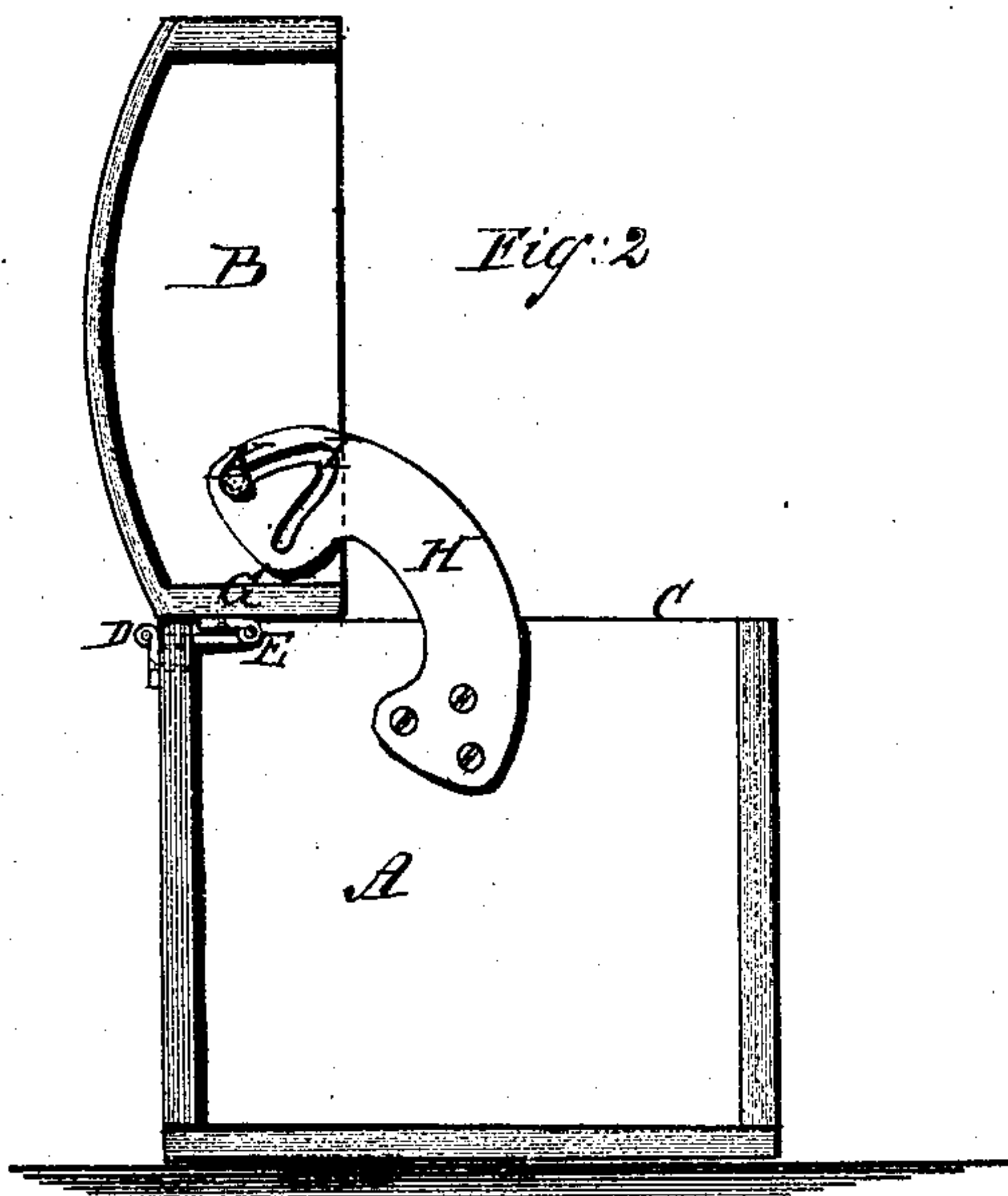


Fig. 2.



Witnesses:

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WILLIAM S. MAYO, OF POUGHKEEPSIE, NEW YORK.

Letters Patent No. 102,291, dated April 26, 1870.

IMPROVEMENT IN TRUNKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, WILLIAM S. MAYO, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Trunks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in trunks, and consists in so arranging the top, in connection with the bottom, that when raised up to a vertical position, the back of the top will be moved forward about the distance of the height of the said back part, and rest on the top of the bottom part in the said vertical position, and be held against falling backward.

The object of the said arrangement is to enable me to raise the top while the trunk is standing against or nearly up to the wall, without drawing it forward to make room for it to project rearward, as is required for the trunks as now constructed.

Also, to preserve the hinges against the damage consequent upon the falling back of the top, common to the old arrangement; and

Also, to enable me to utilize the space of the said tops for holding the contents of the trunks, while open, more conveniently than can now be done.

Figure 1 is a transverse section of a closed trunk, having one arrangement of apparatus for carrying out my invention, and

Figure 2 is a similar section of the said trunk in the open position.

Similar letters of reference indicate corresponding parts.

A is the bottom, and B the top, divided on the line C.

In this example the back of the top is a plane-surface, so that, when raised and moved forward, it will rest fairly on the top of A.

To admit of this forward movement the hinges are double-jointed, one joint, D, being attached so as to coincide with the line C, and the other, E, at the center of the vertical line of the back G.

For causing this movement of the top, I have in this instance attached the plates H, with cam-grooves I in their upper ends, to the inner surfaces of the ends of the bottom, and arranged in the ends of the tops

the studs K, to work in the said cam-slots, which are shaped to correspond with the movements which the studs must take when the top moves inward in this way, and consequently cause the said movement.

Instead of this arrangement I may attach the plates H to the covers, with the slotted ends projecting downward, and taking on pins attached to the bottom, or the plates attached to the top may have pins working into slotted plates attached to the bottom.

In either of these latter cases the slots would be shaped on lines varying from the lines of the slots I, but the said slots being suitably shaped, the result would be the same.

Other equivalent arrangements of means for causing this movement of the cover may be adopted, as desired, and I do not, therefore, limit myself to any particular arrangement.

Other arrangements of the hinges may also be made; for instance, long staples may be driven in the top edges of the ends extending from the rear toward the front, and other staples attached to the tops with eyes engaging the first staples, and arranged to slide back and forth on them, may be used, or slotted plates on the ends of the trunks, and trunnions or journals on the covers, and working in the slots, may be used, the said slots being formed on the lines which the trunnions would traverse when the cover makes the said forward movement.

The said invention is also applicable to wash-stands and other articles of furniture having tops opening in like manner.

Having thus described my invention,

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

1. The trunk, wash-stand, or other similar article, with its cover hinged in the manner specified, so that said cover will move forward when being opened, and rest on its back when open, substantially in the manner herein described.

2. The combination of the double-jointed hinges, slotted plates, and studs K, substantially as and for the purpose specified.

The above specification of my invention signed by me this 30th day of December, 1869.

WM. S. MAYO.

Witnesses:

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ALEX. F. ROBERTS.