(No Model.)

E. E. HERRINTON & I. C. SMITH.

FOLDING BED.

No. 485,276. Patented Nov. 1, 1892.

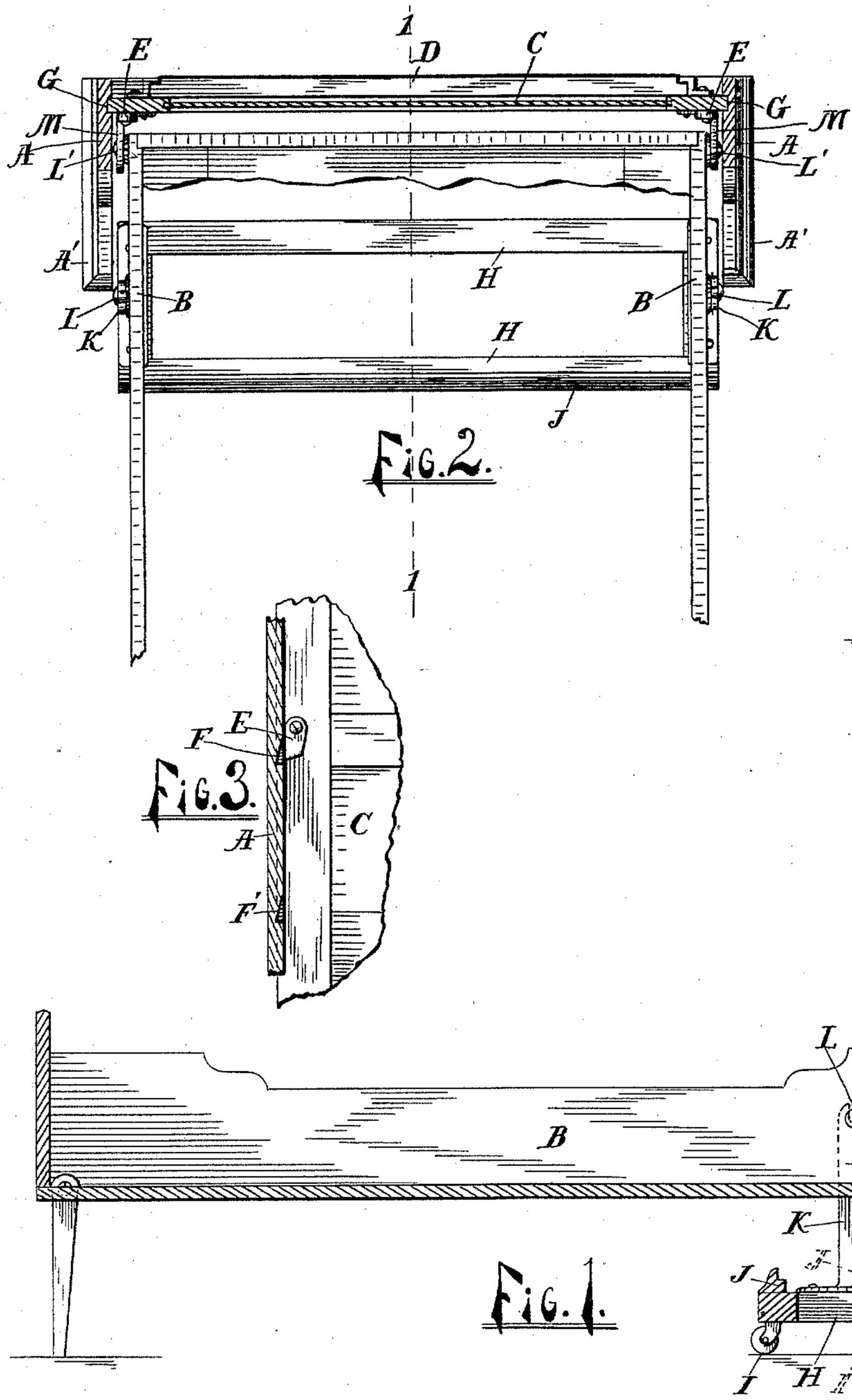

Fig. 2.

Fig. 3.

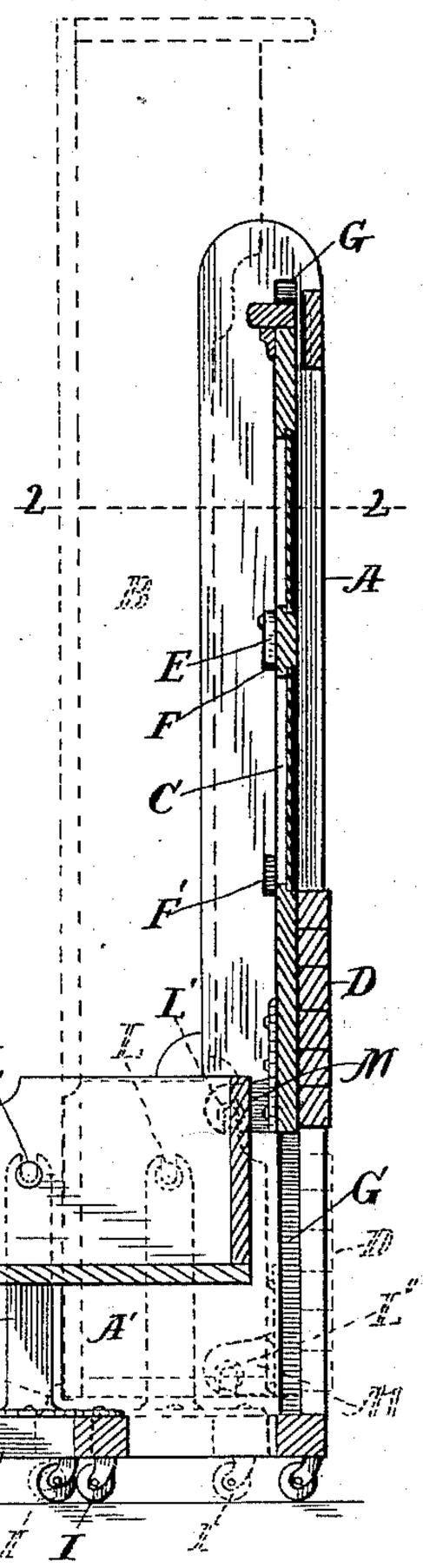

Fig. 1.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD E. HERRINTON AND ISRAEL C. SMITH, OF GRAND RAPIDS, MICHIGAN, ASSIGNORS TO THE GRAND RAPIDS FOLDING BED COMPANY, OF SAME PLACE.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 485,276, dated November 1, 1892.

Application filed December 17, 1891. Serial No. 415,427. (No model.)

To all whom it may concern:

Be it known that we, EDWARD E. HERRINTON and ISRAEL C. SMITH, citizens of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Folding Beds; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in folding beds; and its object is to provide the same with certain new and useful features hereinafter more fully described, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical section on the line 1 1 of Fig. 2 of a device embodying our invention; Fig. 2, a plan view of a portion of the same, the case being in section on the line 2 2 of Fig. 1; and Fig. 3, a detail showing the head-board stops.

Like letters refer to like parts in all of the figures.

A represents the sides of the stationary case having forwardly-projecting base-pieces A′, which sides are connected only at the rear and between which passes the platform H, which is independently mounted on casters I I. Said platform is entirely disconnected from said case and provided with posts K K, having open bearings at their upper ends, which engage the pivot-pins L at each side of the folding section, whereby said section is pivoted upon and supported by said platform H near the head end.

L′ L′ are other pivot-pins near the end of said folding section, which engage downwardly-open bearings in the brackets M M, secured to a vertically-movable head-board C, arranged to slide freely in vertical grooves G G in the sides A A. Said head-board balances the folding section B upon the pivots L L, and is provided with weights D to give it sufficient weight for such purpose. Said head-board is also provided with stops to prevent its descent in said grooves whenever it is desired to detach the folding section B. These stops may be any convenient device for the purpose, that shown being pawls E, pivoted upon said head-board, and notches or ratchets F F′ in the sides A, with which said pawls are engaged to sustain the head-board C.

J is a stop-strip on the front of the platform H, with which the corner of the folding section engages when said section reaches the vertical position.

From the foregoing the operation of our device will be readily understood. By engaging the pawls E with the notches F the head-board will be sustained in an elevated position, when by slightly raising the foot of the section B the pivot-pins L′ will be disconnected from the brackets M and the section B can be moved out, taking the platform with it and being supported thereby. If the bed be nearly closed and said pawls engaged with the notches F′, the head-board will again be sustained thereby, and when the bed is fully closed the section B will, as before, be detached from the head-board and be supported upon the platform H alone, and being sustained in vertical position thereon by the stop J can be moved away from the case. The structure can thus be easily separated, each part being separately mounted upon casters and much more readily moved than when attached.

What we claim is—

1. In a folding bed, a stationary case, an independently supported and movable platform, posts upon said platform, a folding section pivoted to said posts and separately movable with said platform, and a vertically-movable weight in said case detachably connected to said folding section, substantially as described.

2. In a folding bed, a stationary case, a folding section, a vertically-movable head-board, pawls on said head-board engaging notches in said case, downwardly-open bearings on said head-board engaging pivot-pins on the folding section, and a movable and independent platform having posts at each side, provided with open bearings at their upper ends engaging pivots on said folding section, substantially as described.

3. In a folding bed, a stationary case, a ver-

tically-movable head-board, weights attached to the same, stops on said head-board to hold the same in an elevated position, brackets having downwardly-open bearings attached to said head-board, a folding section having pivots engaging said bearings, a platform beneath said section, posts at each side of said platform, having open bearings engaging pivot-pins on said folding section, and a stop on said platform to engage the corner of said section, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

EDWARD E. HERRINTON.
ISRAEL C. SMITH.

Witnesses:
LUTHER V. MOULTON,
GEORGE W. SHOOK.