

(No Model.)

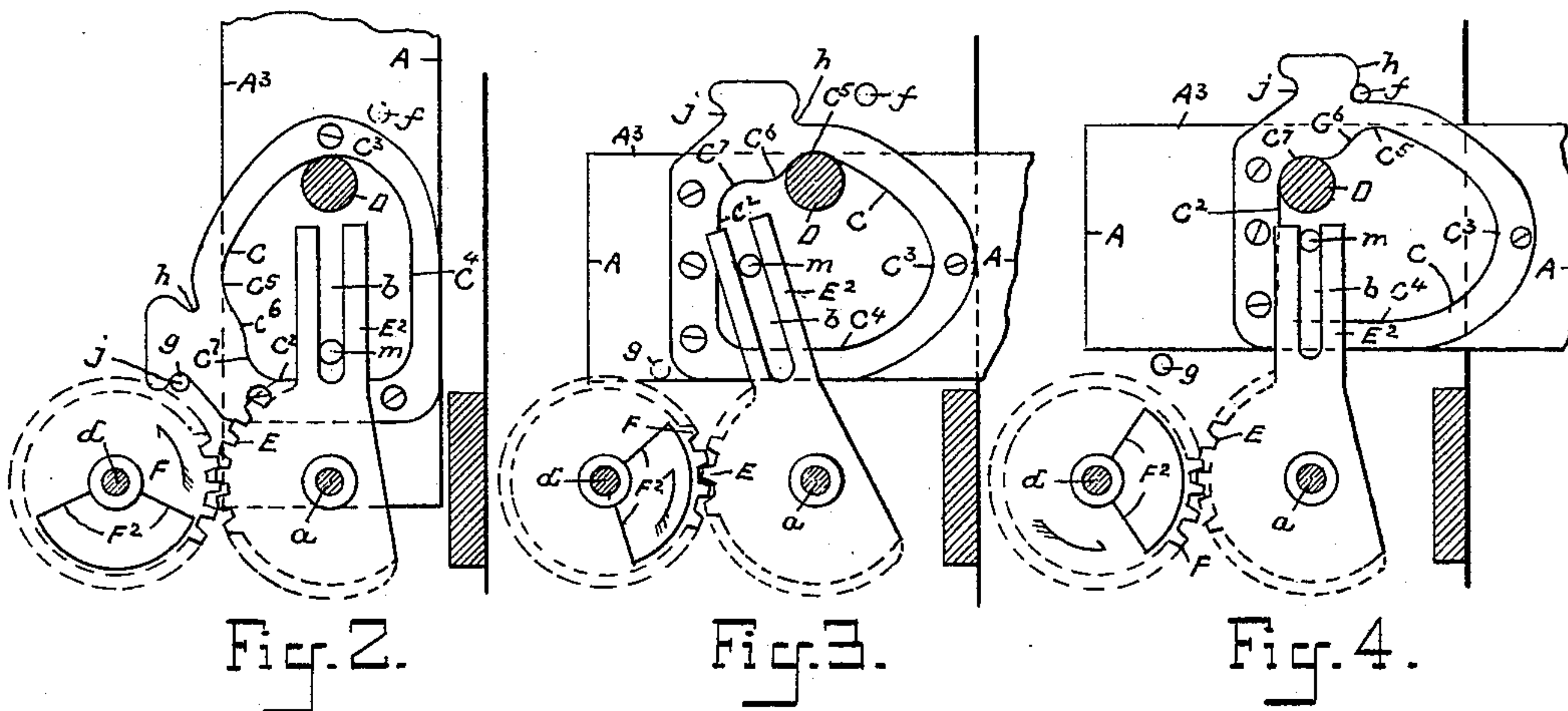
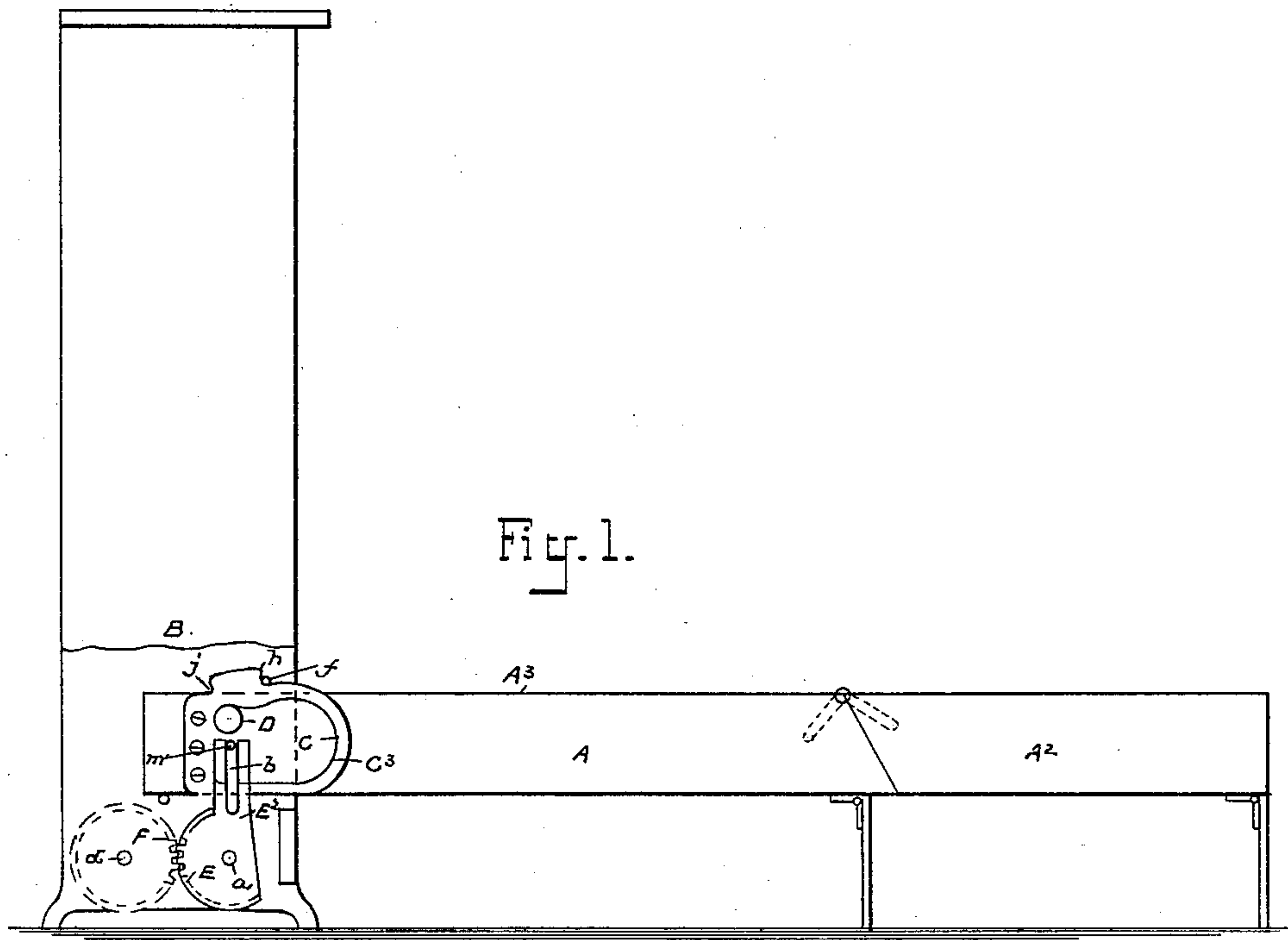
F. GELDOWSKY, Dec'd.

M. C. GELDOWSKY, Executrix.

WARDROBE BEDSTEAD.

No. 482,122.

Patented Sept. 6, 1892.



Witnesses.

Marion E. Brown.

Mary A. Storer.

Inventor.

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Executrix of
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UNITED STATES PATENT OFFICE.

MARTHA C. GELDOWSKY, EXECUTRIX OF FERDINAND GELDOWSKY,
DECEASED, OF CAMBRIDGE, MASSACHUSETTS.

WARDROBE-BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 482,122, dated September 6, 1892.

Application filed December 16, 1890. Serial No. 374,950. (No model.)

To all whom it may concern:

Be it known that FERDINAND GELDOWSKY, deceased, late of the city of Cambridge, in the county of Middlesex and State of Massachusetts, and a citizen of the United States of America, did invent certain new and useful Improvements in Mantel-Beds, of which the following is a full, clear, and exact description.

This invention relates to that class of folding beds which have the bed-frame divided transversely into sections hinged end to end and have one section hung on a stand or base, preferably in the shape of a casing for the bed-sections folded upon each other, so that the folded bed-sections can be swung from a horizontal to a vertical position, and vice versa, suitable legs being provided to support the sections when in a horizontal position.

The invention consists in a novel hanging of the bed-frame on the base, all as hereinafter particularly described, and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a side elevation of the bed-frame opened out and of a base or casing therefor, which at its lower portion is broken away to show the hanging of the inner section of the bed-frame to it. Figs. 2, 3, and 4 are views in detail of the camway, Fig. 1, enlarged, and in different positions of it, as will hereinafter appear.

In the drawings, A and A² represent the hinged rails at one side of the two end-to-end hinged sections of a sectional folding bed-frame, and B is a base. (Shown as extended upward and making a casing for said sections when they are folded upon each other and swung upward into said casing, and all and otherwise the same as ordinary and well known, except as to the hanging of the inner section of the bed-frame to said base and as to other features to be now described.)

C is a camway held on the inner end portion of the side rail A of the inner bed-section.

D is a horizontal stud held on the base B, and projected into and on which said camway bears or travels.

E is a vertical segmental gear hung on a horizontal axial pin *a* of said base and having a projecting arm E², with a radial slot *b*, engaging a projected pin *m* of the bed-section, and F is another vertical segmental gear hung on a horizontal axial pin *d* of said base and weighted at F² and in mesh with the first-mentioned segmental gear E.

f g are horizontally-projected stop-pins held on the base and to act in co-operation with abutment-notches *h j* of the bed-section, as will hereinafter appear.

The devices described, while shown as to one side rail only of the inner bed-frame section, are, as is obvious, similarly repeated as to the other side rail of the same section. The camway C is endless, and in one diameter it is lengthwise of and in the other diameter it is transversely to the side rail of the bed-frame section to which it is attached. The end C² of the camway toward the inner end of the side rail A is straight, and the opposite end C³ is a rounded concave, at one end having a straight continuation C⁴ to the straight end C² of the camway and at the other end a rounded concavity C⁵, continued in a rounded convexity or bulge C⁶, in turn continued in a rounded concavity C⁷, similar to the rounded concavity C⁵, and thereat joining said straight end C² of the camway. The rounded concavities C⁵ C⁷ and the rounded convexity or bulge C⁶ are toward the edge A³ of the rail of the bed-section, that with the bed-section upright on the base A is at the rear of the base, and that with the bed-section horizontal is uppermost.

The camway described bears and travels on the fixed stud D before referred to, and this stud is located so that with the bed-section upright on the base the rounded concave end C³ of the camway is then at a bearing thereon and with the bed-section horizontally projected from the base the straight end C² and rounded concavity C⁵ of the camway are then at a bearing thereon. In moving the bed-section into a vertical from a horizontal position, and vice versa, the camway will at all times be at a bearing and rest on the stud D, allowing and securing by its rounded bulge C⁶ and rounded concavities C⁵ C⁷ on opposite sides thereof, in the one instance, first a drop followed by a lift of the bed-section, and in the other instance a lift followed by a drop of the bed-section. The bed-section as it is swung as described is moved lengthwise on the base,

in its downward swing outward from and in its upward swing downward into the base. The outward and downward movements of the bed-section relative to its base, as described, are limited—the outward by the abutment and engagement of the notch *h* of the bed-section with the stop-pin *f* of the base and the inward by the abutment and engagement of the notch *j* with the stop-pin *g* of the base. The swinging outward and downward movements of the bed-section, as explained, actuates the meshing segmental gears *E F*, thereby, as the gear *F* is weighted, securing a counter-balance of the load or weight of the bed section or sections on swinging them relative to the base, as has been explained.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. The combination, with a bed-frame and the base therefor, of a camway which is held on the side rail of said bed-frame and has straight and rounded concave opposite end portions *C² C³*, a straight portion *C⁴* along one of its sides and joining said ends *C² C³*, rounded concave portions *C⁵ C⁷* and a rounded convex portion *C⁶* between said concave portions and severally along the other of its sides and joining each other and said end portions *C² C³*, and a stud *D*, held on said base and having said camway bearing thereon, as described, for the purposes specified.

2. The combination, with a bed-frame and the base therefor, of a camway which is held on the side rail of said bed-frame and has straight and rounded concave opposite end portions *C² C³*, a straight portion *C⁴* along one of its sides and joining said ends *C² C³*, rounded

concave portions *C⁵ C⁷* and a rounded convex portion *C⁶* between said concave portions and severally along the other of its sides and joining each other and said end portions *C² C³*, a stud *D*, held on said base and having said camway bearing thereon, weighted gears *F* and gear *E*, both hung on said base and meshing each other, and the gear *E* having a slotted arm or extension *E²*, and a stud *m* on side rail of bed-frame and engaging said slotted arm, as described, for the purposes specified.

3. The combination, with a bed-frame and the base therefor, of a camway which is held on the side rail of said bed-frame and has straight and rounded concave opposite end portions *C² C³*, a straight portion *C⁴* along one of its sides and joining said ends *C² C³*, rounded concave portions *C⁵ C⁷* and a rounded convex portion *C⁶* between said concave portions and severally along the other of its sides and joining each other and said end portions *C² C³*, a stud *D*, held on said base and having said camway bearing thereon, stops *h j* on the side rail of the bed-frame, and stops *f g* on the base, adapted to act in co-operation, as described, for the purposes specified.

In testimony whereof I, MARTHA C. GELDOWSKY, as executrix of the last will and testament of said FERDINAND GELDOWSKY, deceased, have hereunto set my hand in the presence of two subscribing witnesses.

MARTHA C. GELDOWSKY,
Executrix.

Witnesses:

ALBERT W. BROWN,
FRANCES M. BROWN.