

No. 773,606.

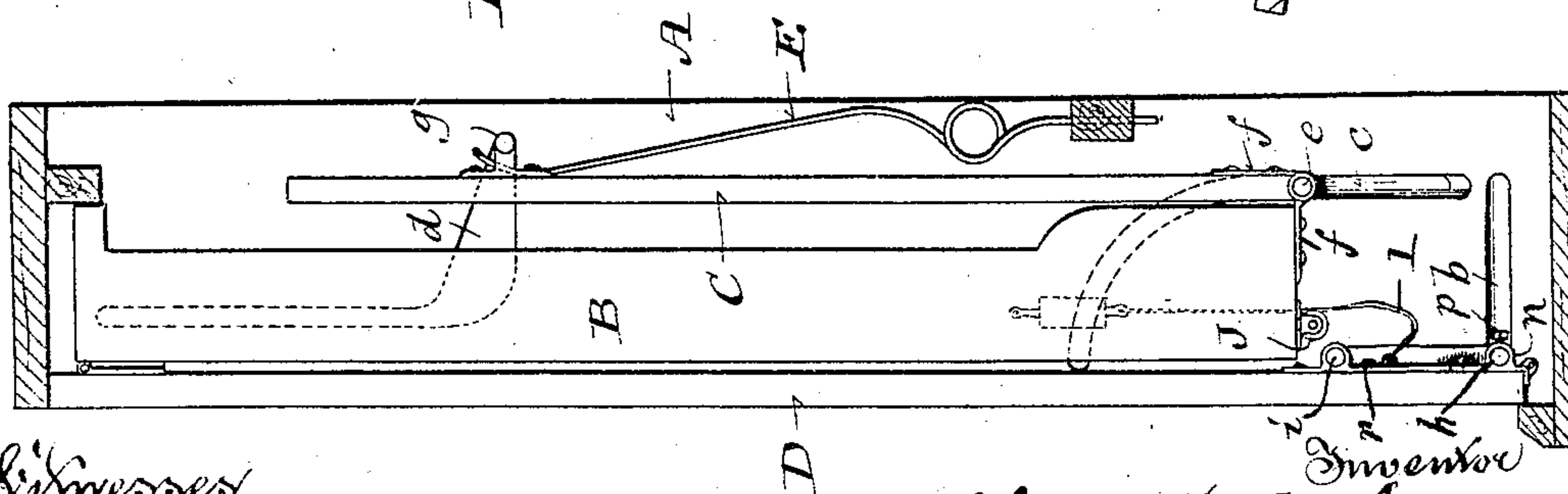
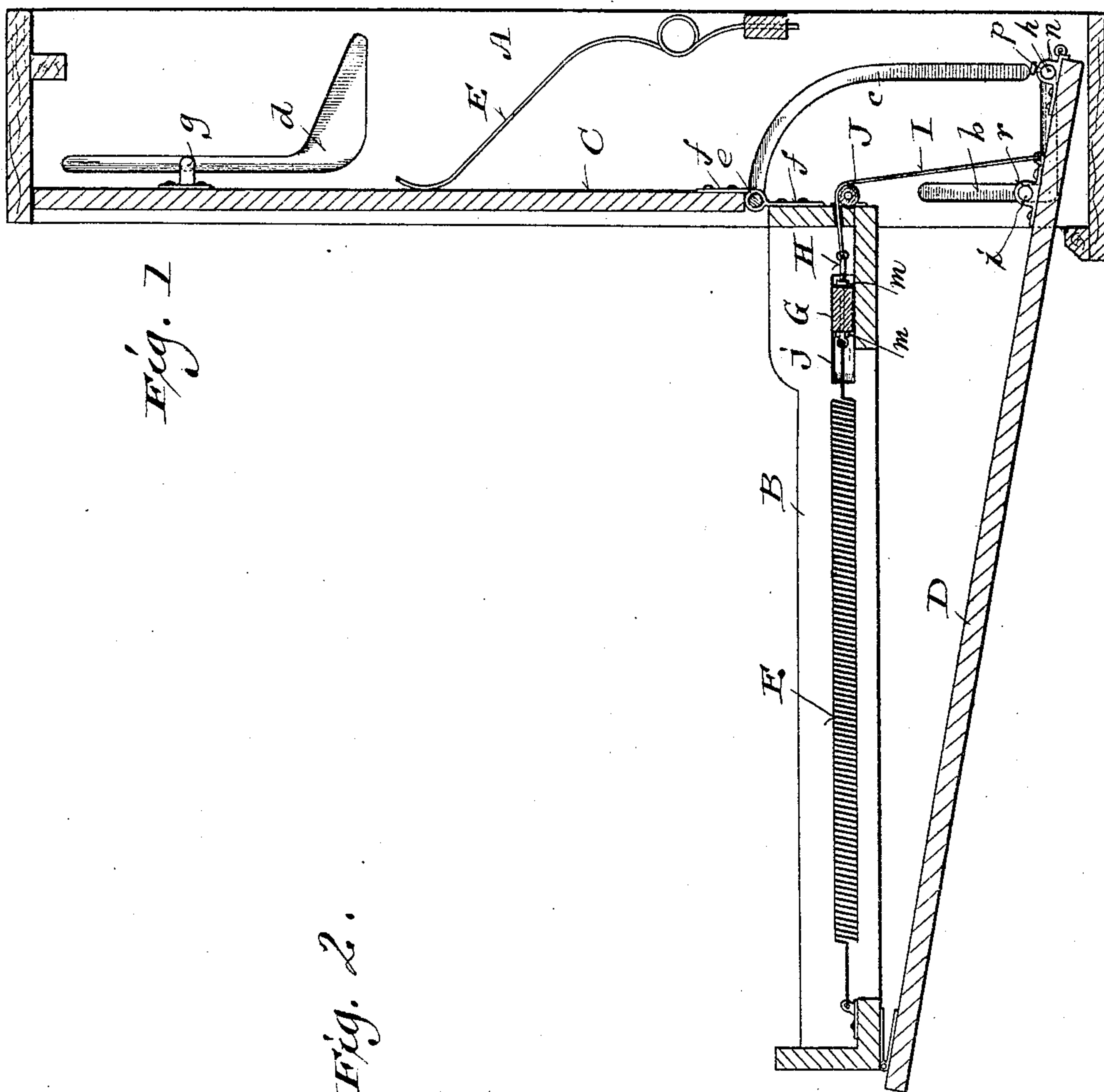
PATENTED NOV. 1, 1904.

C. H. TESCH.
CABINET BEDSTEAD.

APPLICATION FILED DEC. 26, 1903.

NO MODEL.

3 SHEETS—SHEET 1.



Witnesses
Geo. W. Young,
N. E. Elephant

Charles H. Tesch
By H. G. Underwood Atty

Inventor

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3 SHEETS—SHEET 2.

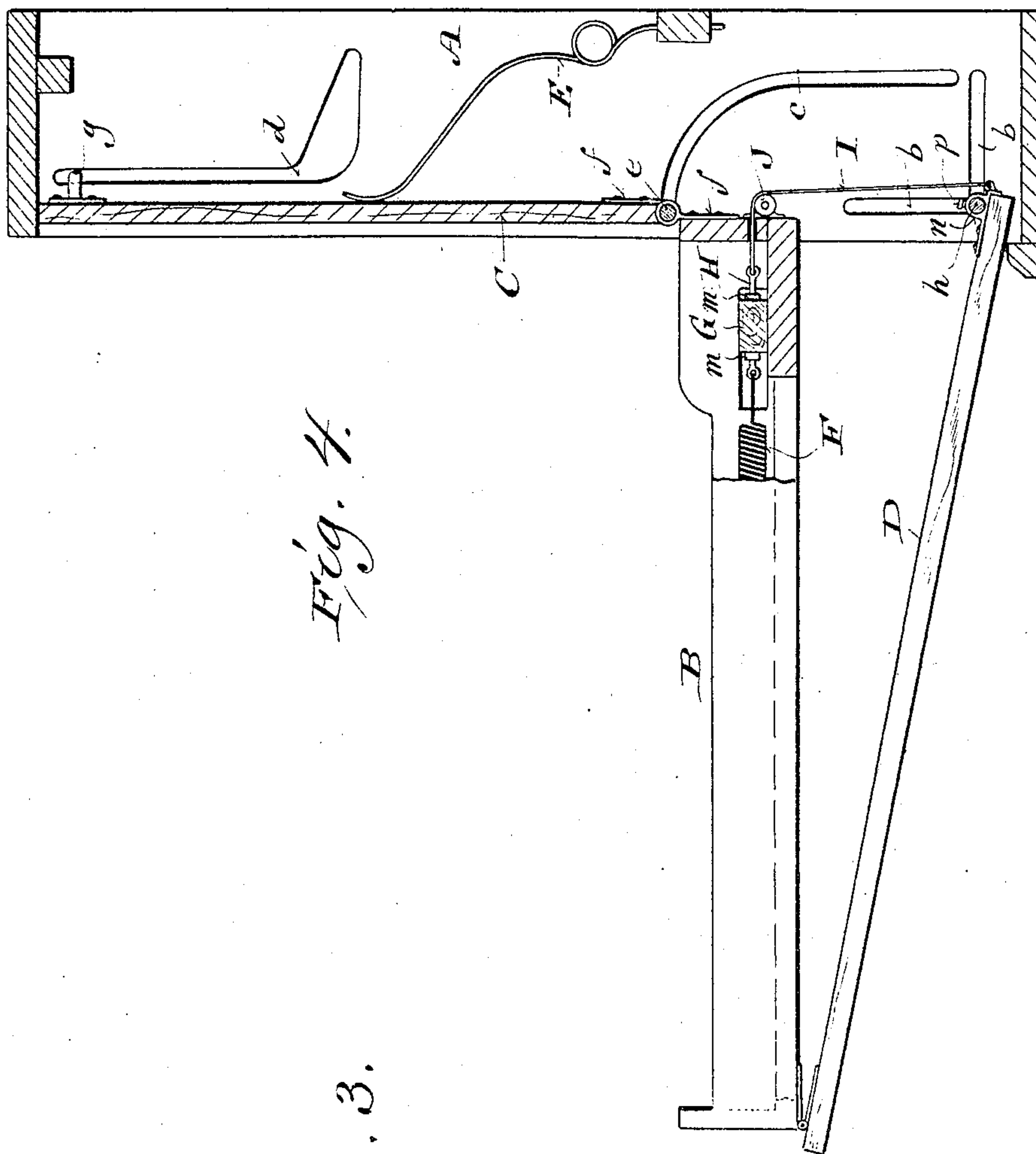


Fig. 4.

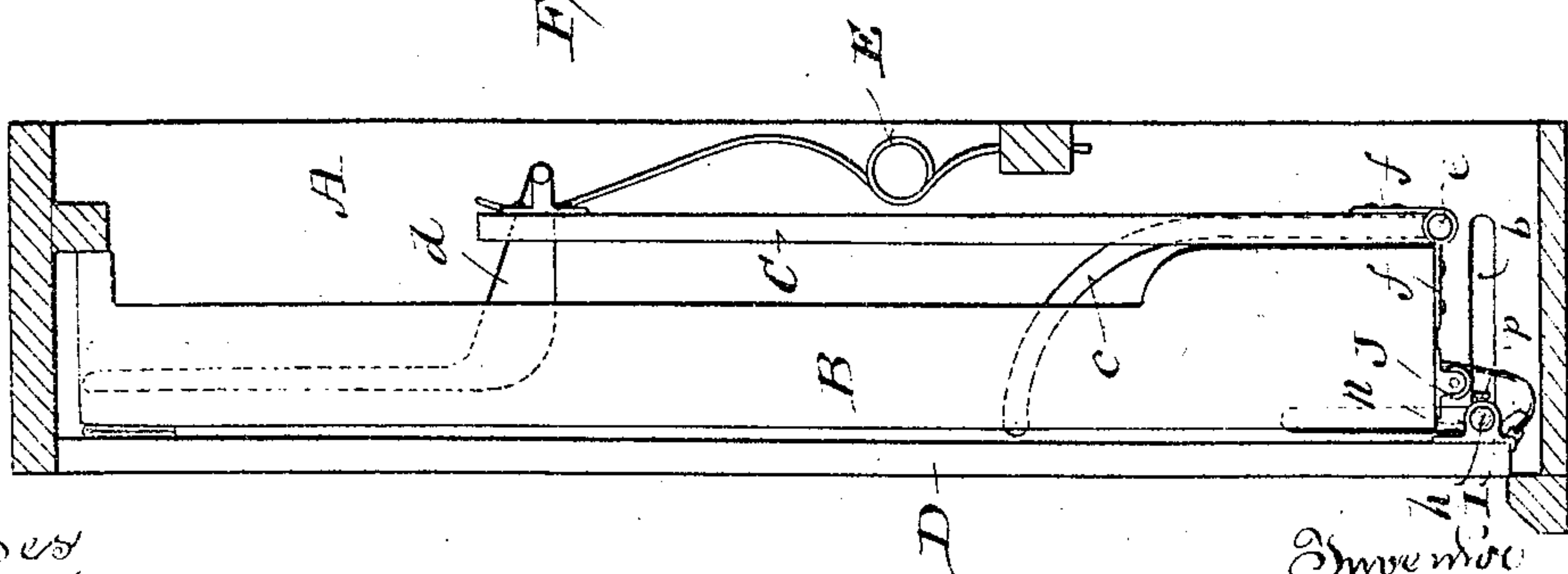


Fig. 3.

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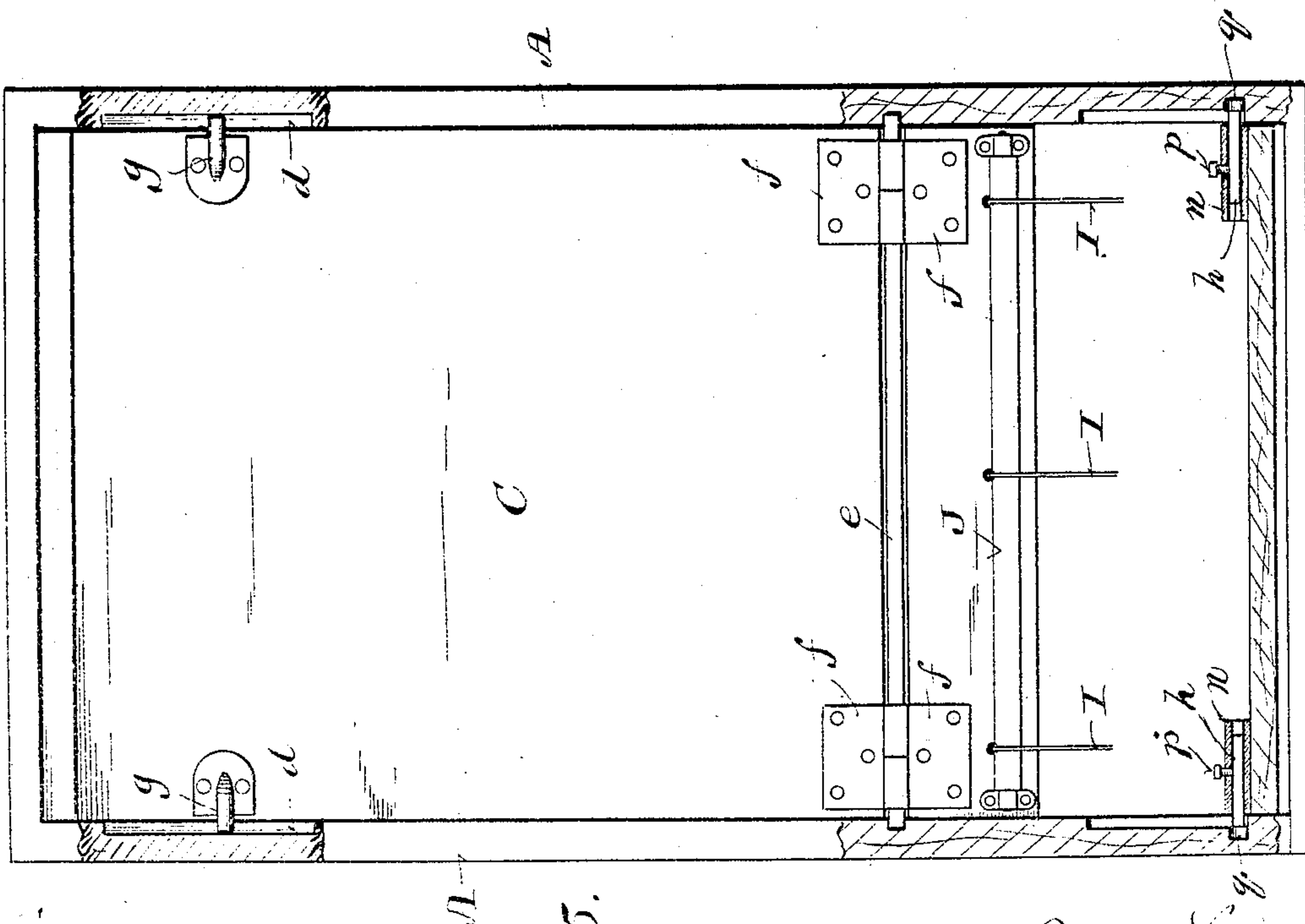
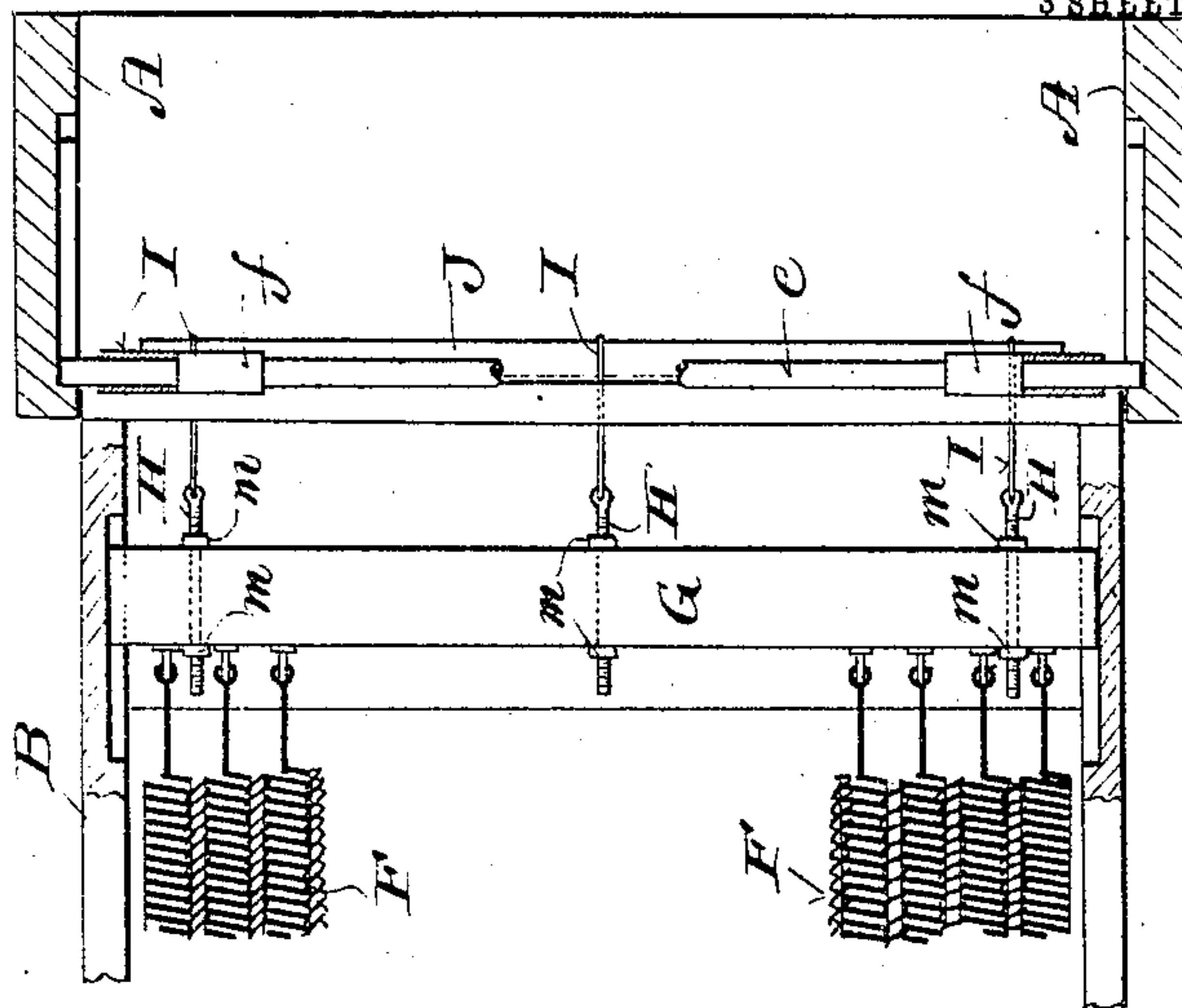
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3 SHEETS—SHEET 3.

Fig. 6.



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Fig. 5.

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UNITED STATES PATENT OFFICE.

CHARLES H. TESCH, OF MILWAUKEE, WISCONSIN.

CABINET-BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 773,606, dated November 1, 1904.

Application filed December 26, 1903. Serial No. 186,525. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. TESCH, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Cabinet-Bedsteads; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its main object to provide simple economical cabinet-bedsteads; and it consists in certain peculiarities of construction and combination of parts hereinafter particularly set forth, with reference to the accompanying drawings, and subsequently claimed.

Figure 1 of the drawings represents a vertical sectional view of a cabinet-bedstead in accordance with my invention, the legless bed-frame and cabinet-door of same being swung down on movable projections; Fig. 2, a similar view illustrating said frame and door swung up; Fig. 3, a view similar to that of the second figure, illustrating a cabinet-door arranged to swing on fixed pivot projections; Fig. 4, a view similar to that of the first figure, illustrating the fixed pivot cabinet-door swung down with the bed-frame hinged thereto; Fig. 5, a partly-sectional rear elevation of what is shown in the second figure; and Fig. 6, a plan view of a fragment of the bedstead, partly in horizontal section.

Referring by letter to the drawings, A indicates each of a pair of parallel upright portions of a cabinet, that may be a closet-like recess in a wall or made with an adjustable bed-frame and coöperative parts to be portable furniture, its length being in either a vertical or horizontal direction, according to the demands of the trade. Each of the uprights A of the cabinet is shown provided with a lower right-angle groove *b* and a compound quadrantal and vertical groove *c*, these grooves in practice being in said uprights themselves or in fixtures attachable thereto. Another groove, *d*, is provided in each of the uprights A or in a fixture attachable thereto, and this groove is a compound of vertical and horizontal, its horizontal portion being herein shown gradually contracted toward the rear

for the purpose hereinafter specified. Engaging the grooves *c* aforesaid are the ends of a rod *e*, that serves as a pintle for the leaves *f* of hinges connecting the bed-frame B with a bedclothes-stop C, and this stop is provided with lugs *g*, that have their play in the grooves *d*, above specified. Each hinge may have a separate pintle extended into a groove *c* or the bed-frame may be provided with groove-engaging projections independent of the hinges without departure from the scope of my invention.

The bed-frame B is hinged to a door D for the cabinet, and this door is provided with projections *h*, that are either permanent as pivots in the angle of the grooves *b* aforesaid or movable in the horizontal portions of said grooves, and if these projections are thus movable said door will be provided with other projections, *i*, arranged to have play in the vertical portions of said grooves. The bed-frame and door being of approximately the same length or width vertically of the cabinet, the projections *h* of said door are employed as fixed pivots in the arrangement above specified; but if the door be of considerably greater length or width than said bed-frame vertically of the cabinet the projections *h* will be movable in the horizontal portions of the grooves *b* and the projections *i* employed in engagement with the vertical portions of said grooves to thus permit of hinging the aforesaid bed-frame close to what is the upper edge of said door. This being the case, the extra length or width of the door recedes into the cabinet when said door is swung down. The bed-frame being swung down with the cabinet-door, it is braced by the same in horizontal position, no other support, such as a folding leg or legs, being necessary for the outer portion of said frame. When the cabinet-door and bed-frame are raised, the lugs *g* of the bedclothes-stop C move down and to the rear in the grooves *d* aforesaid, the rear movement of said stop being against the resistance of springs E, attached to each of the uprights A or a bar connecting the same. Outward movement of the aforesaid stop due to spring-pressure is facilitated by inclining the upper edges of the horizontal portions of

the grooves *d* to thus gradually contract the same toward the rear, as above specified. The bedclothes-stop may be made solid to close the cabinet above the bed-frame when the latter is swung down with the door of said cabinet, this being its preferred form. The play of the hinge-pintle ends or other projecting devices of the bed-frame is greatest in the grooves *c* when said frame and the door *D* are of approximately the same dimensions vertically of the cabinet and least when the proportions of said frame and door are otherwise, as above specified.

A preferably spring-wire mattress *F* is employed in connection with the bed-frame and a bar *G*, guided in slots *j* of the same, the bar being provided with eyebolts *H*, connected to the cabinet-door or fixtures thereon by flexible devices, such as straps *I*, herein shown supported on a roller *J*, journaled in bearing-brackets on the bed-frame, and by means of the bar-opposing nuts *m* on the eyebolts the slack of the flexible devices is regulated, this slack occurring when said bed-frame is swung up. The mattress serves to counterbalance the weight of the bed-frame and cabinet-door, its greatest tension occurring when said frame and door are swung down, at which time there is draw of the flexible devices *I* on the inner end of the door. From the foregoing it will be understood that there is separation of the bed-frame and cabinet-door at the ends of same farthest from their hinge connection when they are swung down, and the draft on the counterbalance begins when the slack of the flexible devices aforesaid is taken up.

The projections *h* of the cabinet-door are herein shown as being preferably pins adjustable in brackets *n*, fast on said door, set-screws *p* being employed to hold the pins in adjusted position, and when these pins are to serve as fixed pivots for the aforesaid door they will be adjusted to engage sockets *q*, provided in the cabinet-uprights *A* or fixtures thereon parallel to the angles of the grooves *b*, such sockets being shown in Fig. 5. The projections *i* of the cabinet-door are also preferably pins arranged in brackets *r*, fast on said door.

A table-top or other support may be substituted for the bed-frame in some instances.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A cabinet having a swing-door that opens downward, a bed-frame in connection with the cabinet and its door to swing with the latter, means counterbalancing weight of the door and bed-frame, and a spring-controlled bedclothes-stop that is hinged to said bed-frame and has loose play in the cabinet.

2. A cabinet having a swing-door that opens downward, a bed-frame in connection with the cabinet and its door to swing with the latter,

a spring-mattress connected to the bed-frame, a bar having play in said frame and also connected to the mattress to draw on the same, and flexible devices in connection with the bar and lower portion of said door.

3. A cabinet having a swing-door that opens downward, a bed-frame in connection with the cabinet and its door to swing with the latter, a bar engaging slots in the bed-frame, a spring-wire mattress in adjustable tension connection with said bed-frame and bar, and flexible devices in connection with the bar and lower portion of the door.

4. A cabinet having parallel uprights thereof provided with lower vertical grooves, horizontal grooves and compound quadrantal and vertical grooves; a downwardly-opening door provided with projections movable in the vertical and horizontal grooves aforesaid, a bed-frame hinged to the upper portion of the door and provided with projections engaging the aforesaid compound quadrantal and vertical grooves, and means counterbalancing weight of said door and frame.

5. A cabinet having parallel uprights thereof provided with lower vertical grooves, horizontal grooves and compound quadrantal and vertical grooves; a downwardly-opening door provided with projections movable in the vertical and horizontal grooves aforesaid, a bed-frame hinged to the upper portion of the door and provided with projections engaging the aforesaid compound quadrantal and vertical grooves, means counterbalancing weight of said door and frame, a spring-controlled bedclothes-stop hinged to the bed-frame, and lugs extending from said stop into upper compound vertical and horizontal grooves with which said cabinet-uprights are provided.

6. A cabinet having a swing-door that opens downward, a bed-frame in connection with the cabinet and its door to swing with the latter, the connections of said door and frame being such that there is separation of the inner portions of same in a vertical direction when swung down, a spring-counterbalance with the frame, and means connecting the counterbalance with said door, whereby there is automatic tension of said counterbalance due to downward swing of the aforesaid frame and door.

7. A cabinet having a swing-door that opens downward, a bed-frame in pivotal connection with the cabinet and hinge connection with the door to have vertical play simultaneous with outward swing from vertical to horizontal position, and a spring-counterbalance in connection with the frame and door, automatic tension of the counterbalance being due to movement of said frame from vertical to horizontal position.

8. A cabinet having a swing-door that opens downward, a bed-frame in pivotal connection with the cabinet and hinge connection with the door to have vertical play simultaneous

with outward swing from vertical to horizontal position, and a spring-mattress in connection with the frame and door, automatic tension being imparted to the mattress due to movement of said frame from vertical to horizontal position.

9. A cabinet, a bed-frame in connection with the cabinet to have vertical play simultaneous with outward swing from vertical to horizontal position, a flexible mattress in connection with the frame, and suitably-supported straps in adjustable connection at one end thereof with the mattress to pull on the same in its movement from vertical to horizontal position.

10. A cabinet having a swing-door that opens downward, a support in connection with the cabinet and hinge connection with the door to have vertical play simultaneous with outward swing from vertical to horizontal position, and a spring-counterbalance in connection with said support and door, automatic tension of the counterbalance being due to

movement of the aforesaid support from vertical to horizontal position.

11. A cabinet having a swing-door that opens downward, a support in connection with the cabinet and its door to swing with the latter, the connections of said door and support being such that there is separation of the inner portions of same in a vertical direction when swung down, a spring-counterbalance with said support, and means connecting the counterbalance with said door, whereby there is automatic tension of said counterbalance due to downward swing of the aforesaid support and door.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLES H. TESCH.

Witnesses:

N. E. OLIPHANT,
HUGO FAHL.