

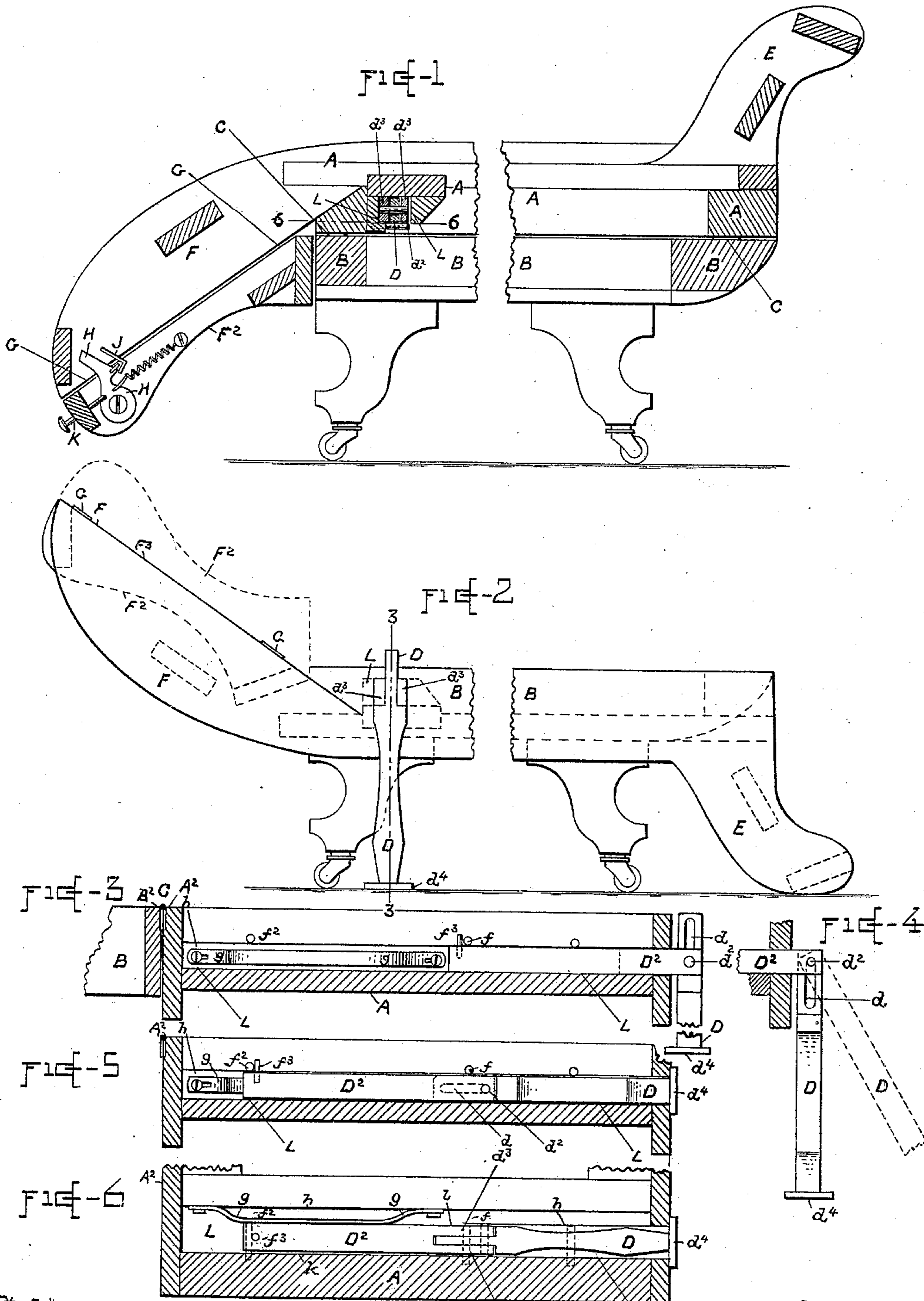
(No Model.)

J. P. MILLER.

COUCH BED.

No. 378,708.

Patented Feb. 28, 1888.



Witnesses
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UNITED STATES PATENT OFFICE.

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COUCH-BED.

SPECIFICATION forming part of Letters Patent No. 378,708, dated February 28, 1888.

Application filed October 11, 1887. Serial No. 251,985. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. MILLER, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Couch-Beds, of which the following is a full, clear, and exact description.

In this improved couch-bed the seat-frame is made in two horizontal sections, from end to end, placed one upon another, and hinged together at and along one side, for the upper section to be opened from the lower section and brought into a horizontal position, suitably supported at and alongside of the lower section, and one end of the upper section is suitably constructed to serve as a head-rest when the two sections are closed upon each other, and the other and opposite end thereof also constructed in opening and closing sections, to serve when opened as a head-rest for both sections of the seat-frame when the upper is opened from and placed alongside of the lower section, as has been stated, all otherwise substantially as hereinafter described.

In the drawings forming part of this specification, Figure 1 is a central longitudinal vertical section of the improved couch of this invention, closed and broken out in its central portion. Fig. 2 is a front elevation of the couch with its opening and closing sections opened one from another, and showing in dotted lines the opening and closing section of the head-rest of the couch, when sections of the couch are opened, as closed and opened. Fig. 3 is a transverse vertical section in detail, line 3 3, Fig. 2. Fig. 4 is a detail view, as hereinafter appears. Fig. 5 is a similar section to Fig. 3, but showing the leg of this invention, to support its opened section of the couch, as housed. Fig. 6 is a horizontal section in detail, line 6 6, Fig. 1, but with the section of the couch in which it is housed opened from the other section.

In the drawings, A and B are two horizontal frames, together (closed) making the seat of the couch. These frames are placed, the frame A upon the frame B, and at and along one side, A² and B², of each they are connected together at their opposite end portions by hinges C C, and thus the upper section, A, is adapted to be opened from and closed upon the lower

section, B, and (opened) placed in a horizontal position at and alongside of the lower section, B, the upper section then being supported by a leg, D D², the construction and arrangement of which is a part of this invention, and will be hereinafter fully described.

The upper section, A, at one end has a head-rest, E, of suitable construction and position for use for such purpose when the sections A B are closed upon each other, and at its other and opposite end it has a head-rest, F F², of suitable construction and position for such purpose when the upper section, A, is opened from the lower section, B, as above described, and this head-rest F F², when the sections are closed, extends downward from the seat, the same substantially as the head-rest E extends when upper section, A, is opened from the lower section, B.

The head-rest F F² is in two sections, F F², which are connected together at and along one side, F³, of each by hinges G, to be opened from and closed upon each other, and when the sections A B of the seat are closed upon each other they are so held by means of a spring-catch lever, H, on one section, which engages with a suitable staple, J, on the other section, or other suitable fastening device.

K is a cord attached to the spring-catch H for convenience in operating it to release it from its engagement with the staple J, and thus to free the sections of the head-rest for the one, F², to be opened from the other, F, and when so opened the ends of the sections F F² butt against each other, and thus the opened section F² is supported.

The sections A B of the seat and the sections F F² of the head-rest of the upper section, A, of the seat, respectively opened from each other, as described, double the width of the couch and make it the better suitable for use as a bed, and the two sections of the head-rest make a head-rest for the full width of both sections of the so opened seat-frame of the couch.

The leg D D², hereinbefore referred to, in its length is in two parts, D D², together of suitable length to be used as hereinafter described.

d is a slot at one end and along a portion of the length of the leg part D, and d² is a

transverse pin of the other leg part, D^2 , and this pin enters and crosses said slot d of the leg part D. The slotted end of leg part D lies in and between the tines d^3 of the leg part D^2 , and the two parts of the leg connected together, as described, when the leg is not to be used, lie end to end, lengthwise and continuous with each other in a horizontal groove or way, L, in the upper section, A, of the seat-frame.

When the section A of the seat-frame is opened from the section B and placed in a horizontal position, as has been described, the two-part leg D D^2 is then drawn out of the receiving groove or way L therefor of said section A, and being so drawn out its one and slotted part D is swung upon the transverse pin d^2 of the other part D^2 and brought into vertical position, and at rest at its lower end by its foot-piece d^4 upon the floor, and at its upper end by its pin d^2 against one end of its slot d , then vertical, (the other part D^2 remaining in said groove,) and thus the leg becomes a support to the so opened-out section A, and preferably such support is at the outer side and at both ends of the section; but the head-rest E may be utilized for one support. When the section A of the seat is closed upon the section B, the portion D of the leg which acted as a support to it when opened out, as stated, is swung up, and it and the other portion D^2 of the leg are pushed into and inclosed in said way or groove L of said section A.

The receiving way or groove L for two-part leg D D^2 , above described, is preferably provided with stop-pins $f f^2$ at suitable points to serve as limits, respectively, to the outward and inward movements of the leg through said groove L by the abutment against them of a pin, f^3 , of the leg; and, furthermore,

preferably said guideway has a bent spring, g , secured to it along one of its side walls, $h k$, so as to bear against the edge l of the leg toward said wall, and to exert a yielding lateral pressure upon the leg to confine it against the opposite wall, k , of the way, and thereby to prevent accidental movement or working of the leg outwardly.

The various frames and parts making up the couch herein described are to be suitably covered and upholstered.

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

In a couch, &c., the upper and lower horizontal seat-sections, A B, hinged together at one side, a head-rest, E, at one end and in continuation of the upper seat-section, to serve as a head-rest to the couch, with its seat-sections closed, a head-rest, F F^2 , at the opposite end of the upper seat-section, made in sections, one, F, in continuation of the upper seat-section, and the other, F^2 , hinged at one side to section F, to be closed thereon and opened therefrom, and the two together when opened to be supported and to act as a head-rest for the width of the opened seat-sections A B, in combination with a leg, D D^2 , hinged end to end and mounted in a guideway, L, of the upper seat-section, to be slid in and out thereof, substantially as described, for the purpose specified.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH P. MILLER.

Witnesses:

ALBERT W. BROWN,
FRANCES M. BROWN.