

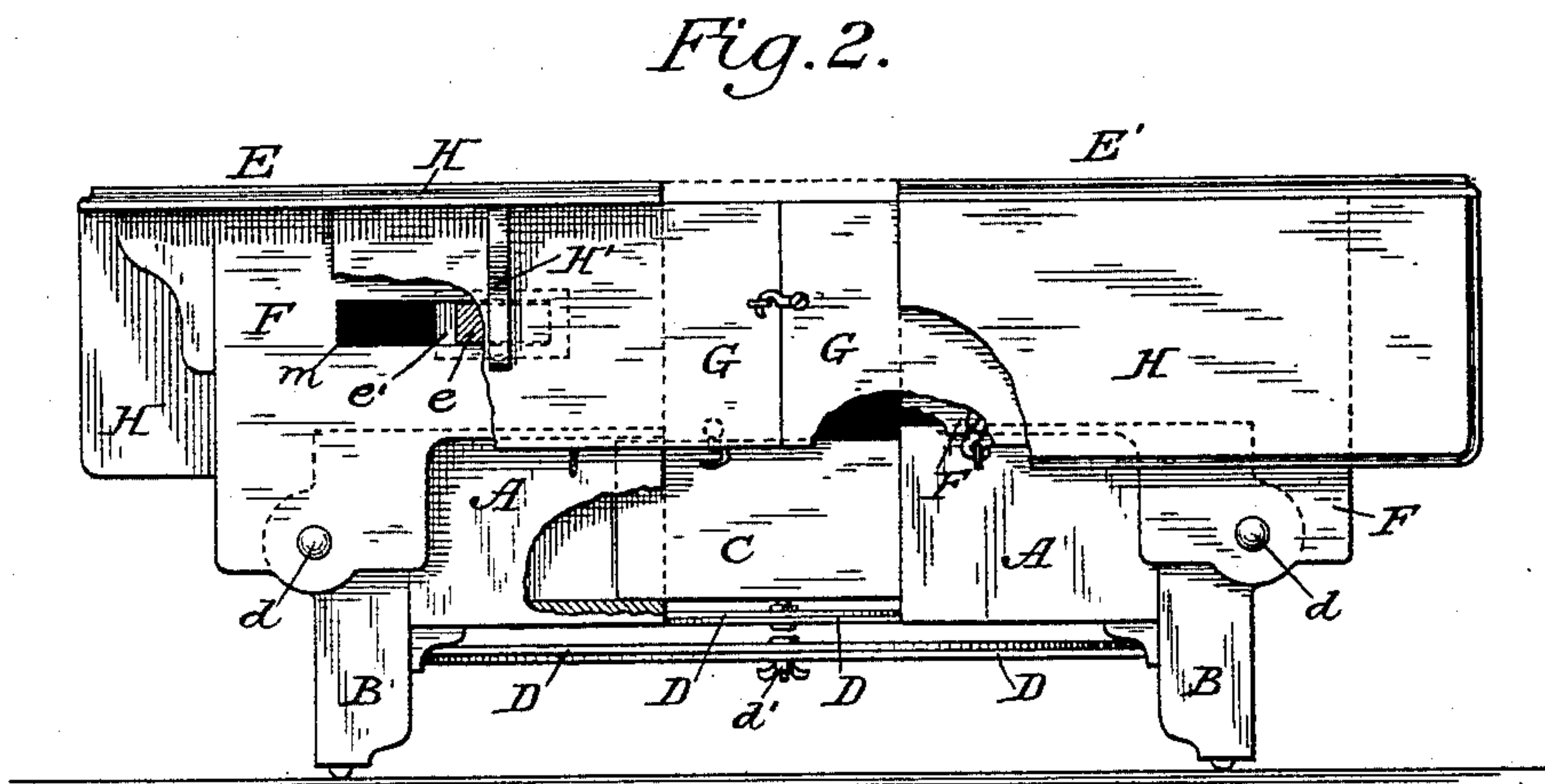
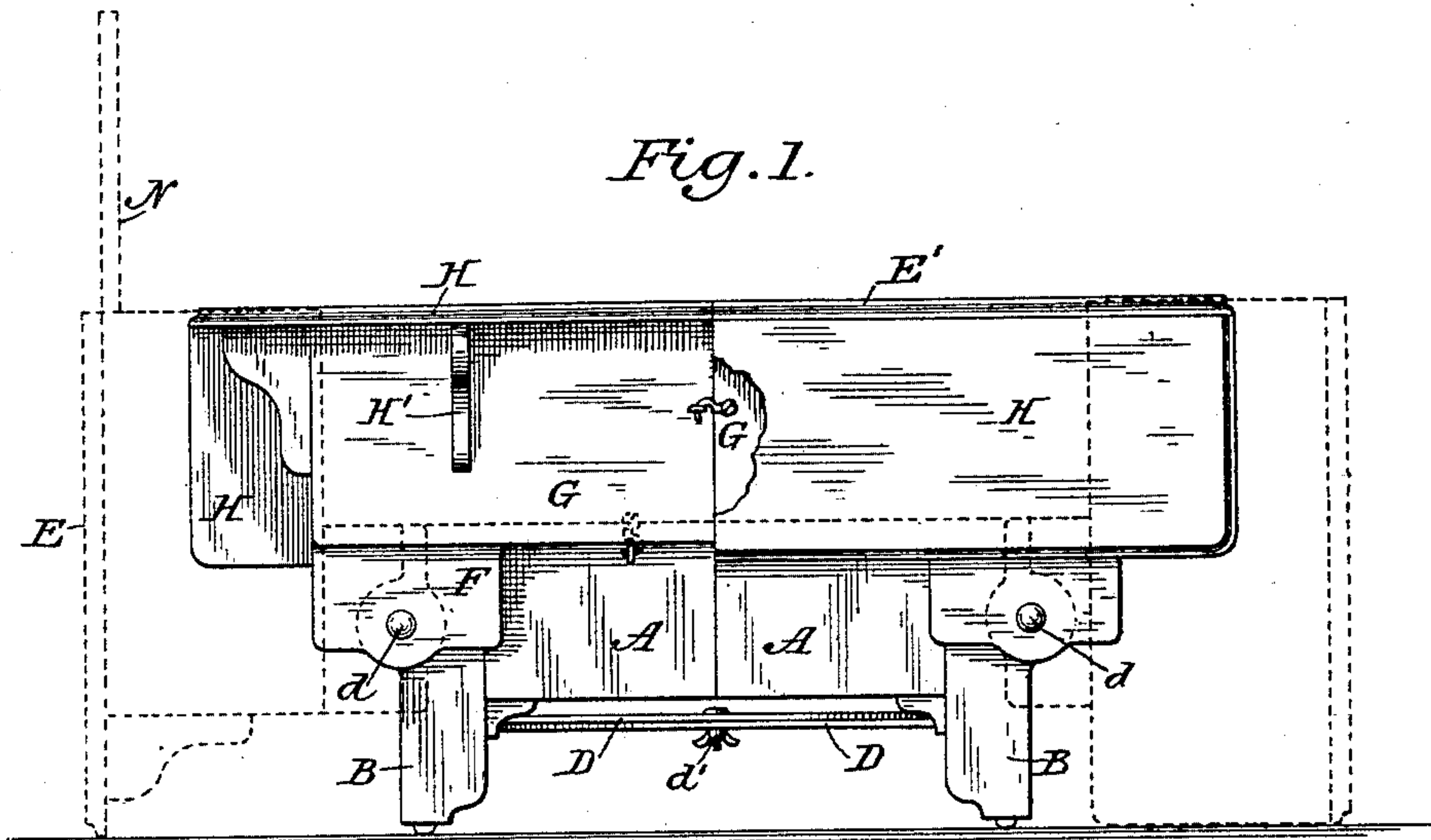
(No Model.)

3 Sheets—Sheet 1.

A. C. FÉRON.
COMBINED TABLE AND FOLDING BED.

No. 462,430.

Patented Nov. 3, 1891.



Attest:
A. N. Jespersen.
E. H. Watson

Inventor:
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(No Model.)

3 Sheets—Sheet 2.

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Fig. 3.

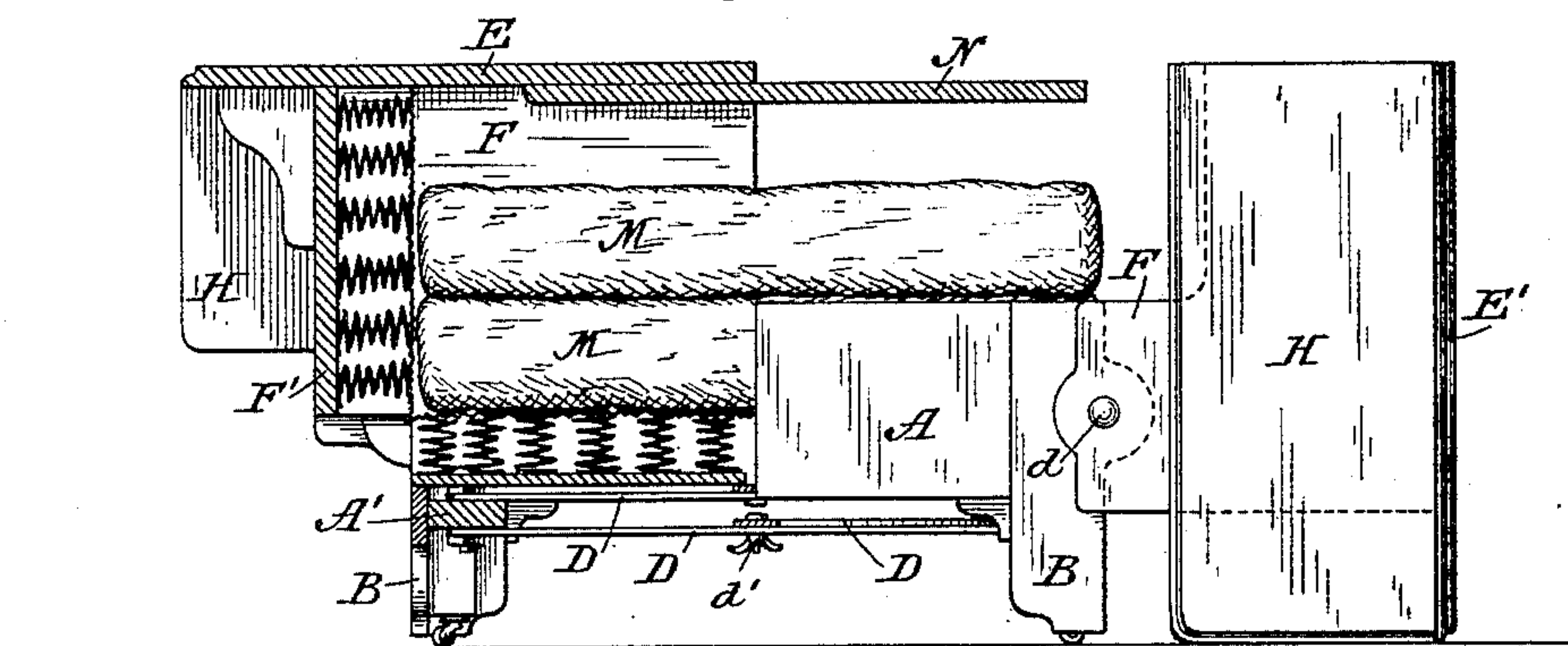
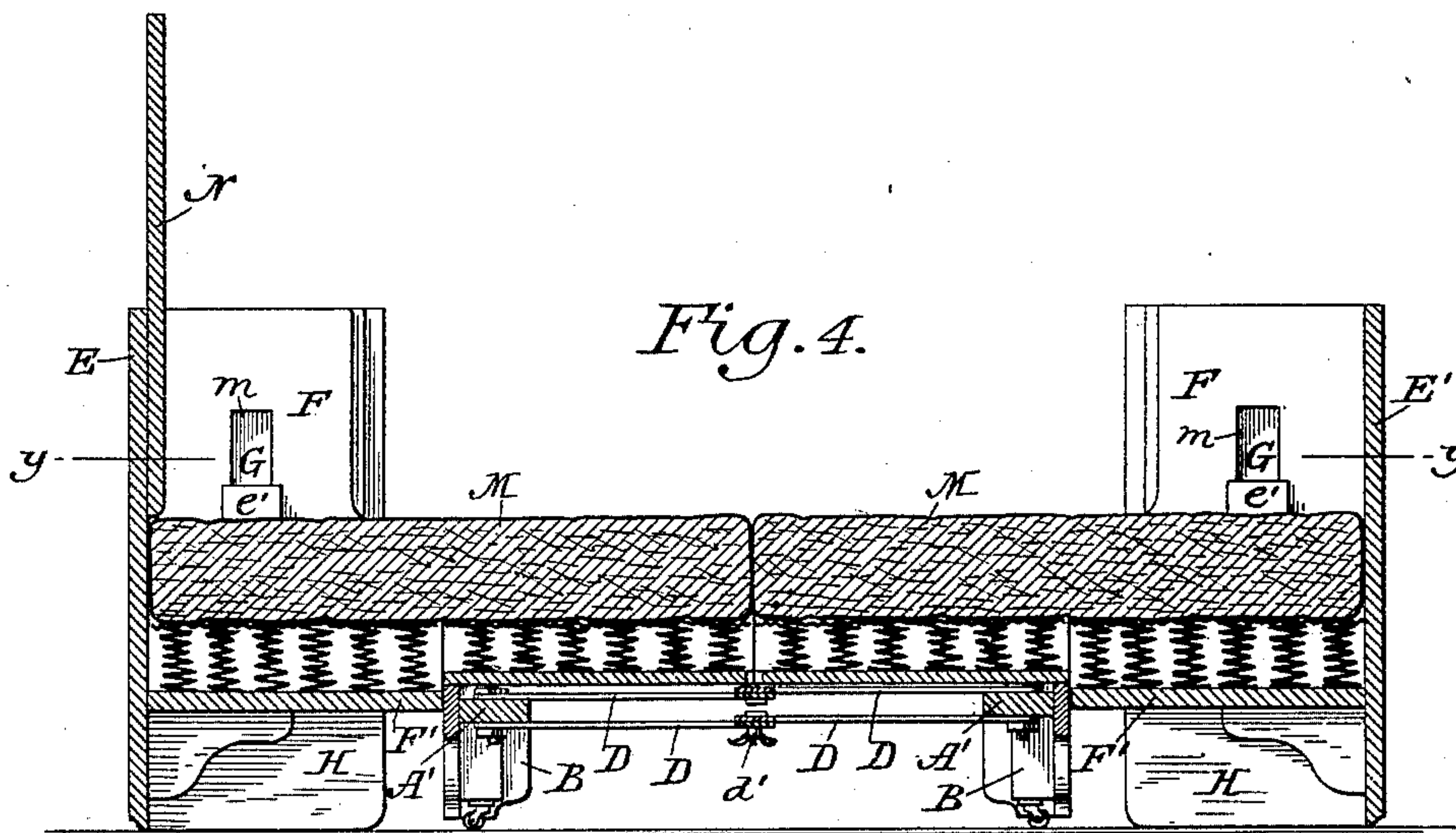


Fig. 4.



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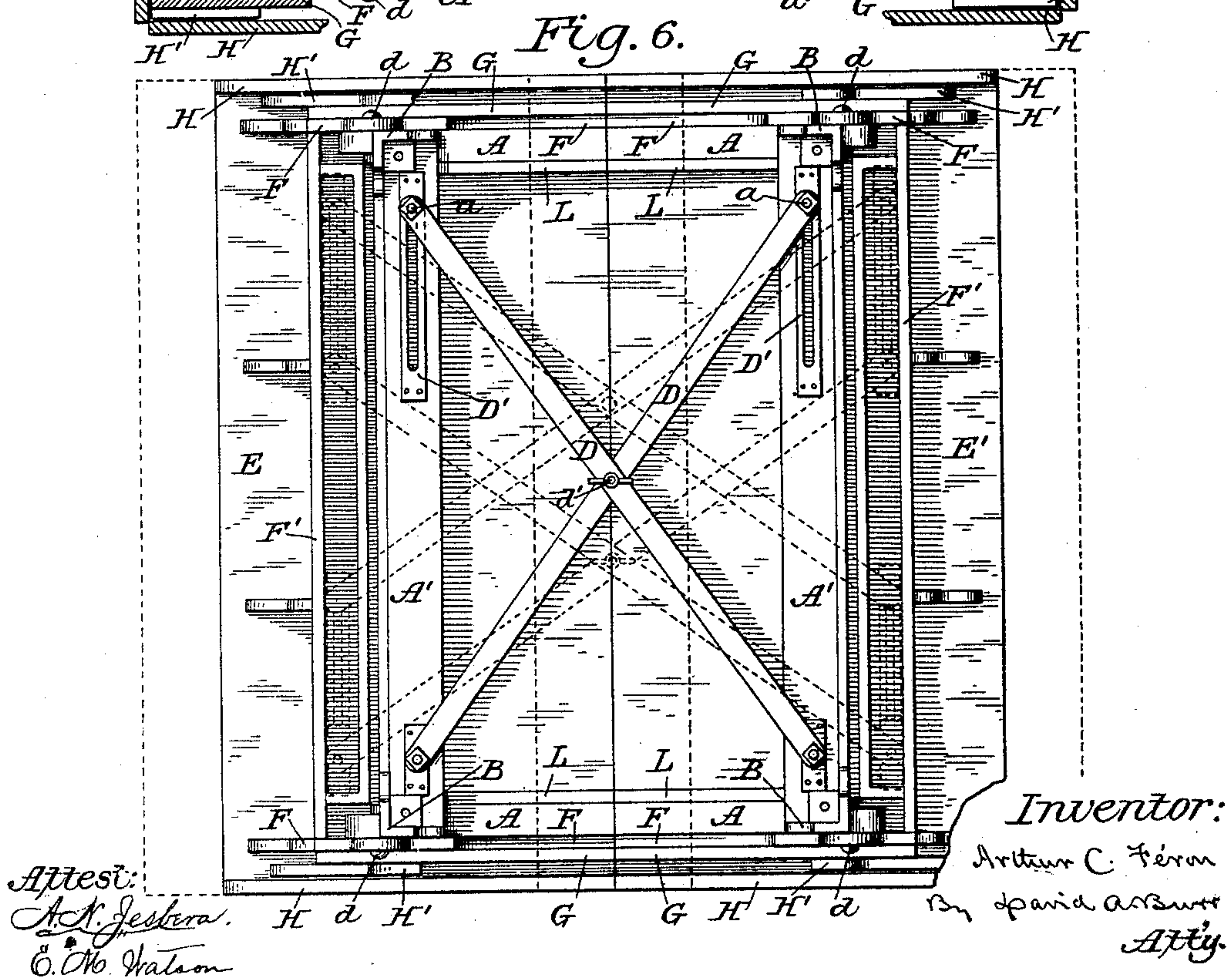
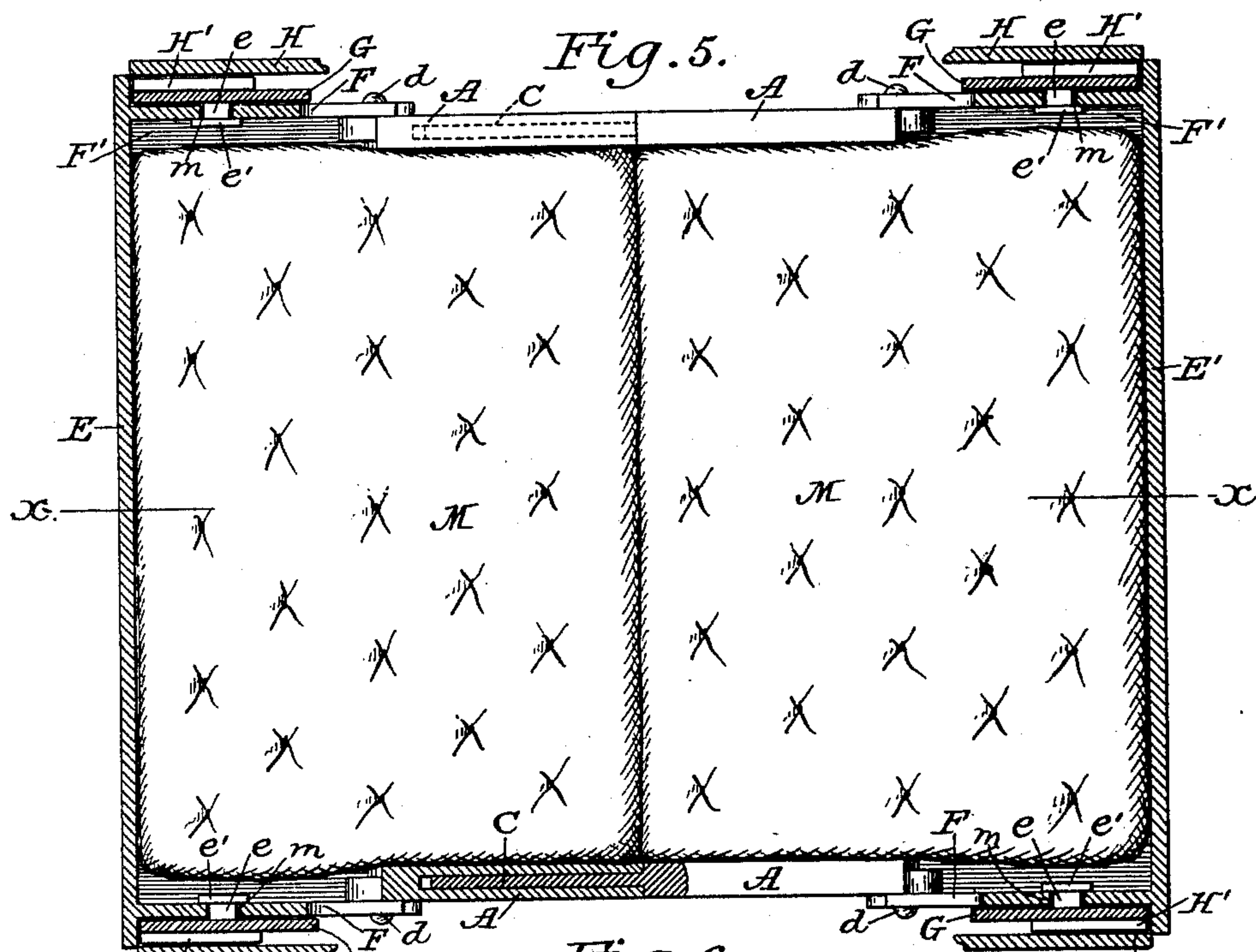
(No Model.)

3 Sheets—Sheet 3.

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COMBINED TABLE AND FOLDING BED.

No. 462,430.

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UNITED STATES PATENT OFFICE.

ARTHUR C. FÉRON, OF NEW YORK, N. Y.

COMBINED TABLE AND FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 462,430, dated November 3, 1891.

Application filed January 26, 1891. Serial No. 379,016. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR C. FÉRON, of the city, county, and State of New York, have invented certain new and useful Improvements in a Combined Extension-Table and Folding Bed; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to a combined extension-table and folding bed, and has for its object to simplify the construction of such a piece of furniture and adapt it more completely to its several uses.

It consists in the novel combination and arrangement of the several parts of the table, in manner substantially as hereinafter described, whereby it may be extended or contracted for use as a table and when required be converted into a complete bedstead.

In the accompanying drawings, Figure 1 is a side elevation of my combined folding bed and table when adapted for use as a table, one of the folding side leaves of the table being shown as raised and the other as dropped, the swinging of the table ends into position to form a bed being indicated by dotted lines. Fig. 2 is a similar side elevation showing the table as extended, portions of the leaves and other parts being broken away to illustrate more fully the position of underlying parts. Fig. 3 is a sectional side elevation showing one end of the table turned into normal position for the foot of the bed and illustrating the manner in which the mattresses are stored within the table. Fig. 4 is a central longitudinal section in line *x x* of Fig. 5, showing the table when fully opened out to form the bed, Fig. 5 being a horizontal section in the line *y y* of Fig. 4. Fig. 6 is a bottom view of the combined table and bed when closed as a table, the dotted lines illustrating its extension.

A A are the shorter end pieces, and A' A' the longitudinal side bars, of the basal frame for the table, to the corners of which are secured its legs B B, as shown in Figs. 3, 4, and 6.

To permit of an extension of the table the end pieces A A are divided in the middle and

are coupled by a tongue-piece or tenon-plate C, made to project centrally from the end of one of the divisions of each end piece into a counterpart recess or mortise in the opposite division, as shown in Figs. 2 and 5. The frame is braced to re-enforce it when extended by means of pivoted brace-bars D D, arranged in two sets, the one above and the other below the side bars A' A', as shown in Figs. 3 and 4. The two brace-bars in each set each extend diagonally from the one end of the one side bar over to the opposite end of the other side bar, so that they intersect centrally, as shown in Fig. 6. The intersecting bars D D are pivoted together centrally at their point of intersection by a pivot-pin *d'*, and each is pivoted at one end directly to the one side bar, but is fitted at the other with a bolt *a*, whose head is free to slide in a longitudinally-slotted guide-plate D', secured upon or preferably let into the face of the opposite side bar, so as to allow said end to slide as the table is extended. (See dotted lines in Fig. 6.)

When the table is closed, the two sets of brace-bars lie centrally one directly over the other; but since the free ends of the upper set are placed at the opposite end of the frame from those of the lower set, the two sets are carried in an opposite direction by the extension of the frame, and are thereby made to support both ends thereof, as is shown by the dotted lines in Fig. 6.

The top of the table is divided centrally to permit of its extension, and each division E E' of the top is mounted upon side pieces F F, whose lower ends, extending down on each side of the end pieces A A of the basal frame, are pivoted, as at *d d*, to lugs or projections extending from said end pieces beyond the corners of the frame, so as to bring the pivots *d d* on a line with the corners, as shown in Figs. 1, 2, 3, and 6. The inner ends of these side pieces F F abut when the two divisions E E' of the top of the table abut, as shown in Fig. 6, and they are made of a width to overlap the upper edges of the end pieces A of the basal frame, (see Fig. 2,) so that the central space beneath the table above the base is completely inclosed when the table is closed. To keep the same closed when the table is extended slides G G, corresponding in width with the width of the inner ends of the side pieces F

F and of the same length as said side pieces, are fitted upon the outer face thereof and held in position by means of tongues *e*, projecting therefrom through longitudinal slots (see at 5 *m*, Fig. 2) in the side pieces F, so as to be free to move longitudinally therein, these tongues being fitted with enlarged heads *e'* on the inner side of the slots, as shown in Figs. 2, 4, and 5. When by an extension of the table 10 the inner end of the side pieces F F are separated, the slides G G are moved inward until their ends abut so as to close the opening, as shown in Fig. 2. The outer ends of the side pieces under each division of the table-top 15 are connected by the pieces F' F', which complete the inclosure of the space under the top of the table. The ends of the table-top may be fitted with folding leaves H H, hinged thereto in the customary manner, and swinging brackets H' are hinged to the slides G G 20 to open out for the support of said leaves when they are lifted, as is shown at the left in Figs. 1 and 2. Cleats L L are fitted against the inner faces of the end pieces A A of the 25 basal frame on a line with the tops of the side bars A' of the frame, to uphold slats and springs or a woven-wire bottom or other supporting device for a mattress.

The table is converted into a bed by swinging the connected end pieces F F, carrying 30 the two divisions E E' of the table-top, over each upon its pivots *d d*, so as to carry the top piece from a horizontal position, as shown in Figs. 1 and 2, to a vertical position, as 35 shown in Figs. 3 and 4 and in dotted lines, Fig. 1. The top pieces E and E' thus become, respectively, the head and foot boards of the bedstead, and the connecting-pieces F' F', being brought to a horizontal position in line 40 with the side bars of the basal frame, constitute an extension of the bed-bottom resting upon said bars, and springs or other supports for the mattress are provided upon the pieces F F' to correspond with those on the 45 basal frame, so as to present a uniform surface for the mattress from head to foot of the bed, as shown in Fig. 4. The mattress M may be made in two sections, as shown in 50 Figs. 3 and 4, the two sections being placed one upon the other over the basal frame when the table is closed, as shown in Fig. 3, and placed side by side when the bed is opened out, as shown in Fig. 4.

An auxiliary head-piece N may be secured 55 under one of the divisions of the table-top to extend under the opposite division E' when

the table is closed, as shown in Fig. 3, but which will, when the bed is opened, serve as a high head-board for the same, as shown in Fig. 4. 60

I do not claim, broadly, a folding bed whose head and foot boards are so pivoted as to swing from a vertical to a horizontal position and, meeting in the last position, form a stand or table, as folding beds of this character are 65 not new; but in all such devices heretofore constructed the bed when closed has formed a stand or table of such height as to be useless for the more general and customary uses of a table. 70

The purpose of my invention is to provide a neat ornamental table adapted for use as a dining-table and all other customary purposes, and which will admit of extension, when need be, and may also be converted into 75 a comfortable bedstead, the furniture thereof being self-contained within the table.

I claim as my invention—

1. The combination, in a combined extension-table and folding bed, of the extendible 80 basal or foot frame formed in two divisions, connected by jointed extendible inclosing end pieces, in combination with swinging top pieces hinged thereto having sliding end pieces to extend inwardly beyond the top 85 pieces and overlap the jointed end pieces of the frame when the table is extended, and thereby inclose the central space therein, substantially in the manner and for the purpose herein set forth. 90

2. The combination, in a combined extension-table and folding bed, with an extendible basal or foot frame and with table-tops severally pivoted to the outer corners of each division of said basal frame to meet in a horizontal plane above the frame and swing over 95 into a vertical plane on either side thereof, the leaves hinged to the ends of said table-tops, the slides fitted under each end of each table-top to close the openings between the 100 divisions of the table when it is extended, and the brackets hinged to said slides to support the hinged leaves when opened out, all substantially in the manner and for the purpose herein set forth. 105

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR C. FÉRON.

Witnesses:

A. N. JESBERA,
E. M. WATSON.