

WILLIAM FARSON
No. 120,374. **SOFA BEDSTEAD.**

FIG. 1

Patented Oct. 31, 1871.

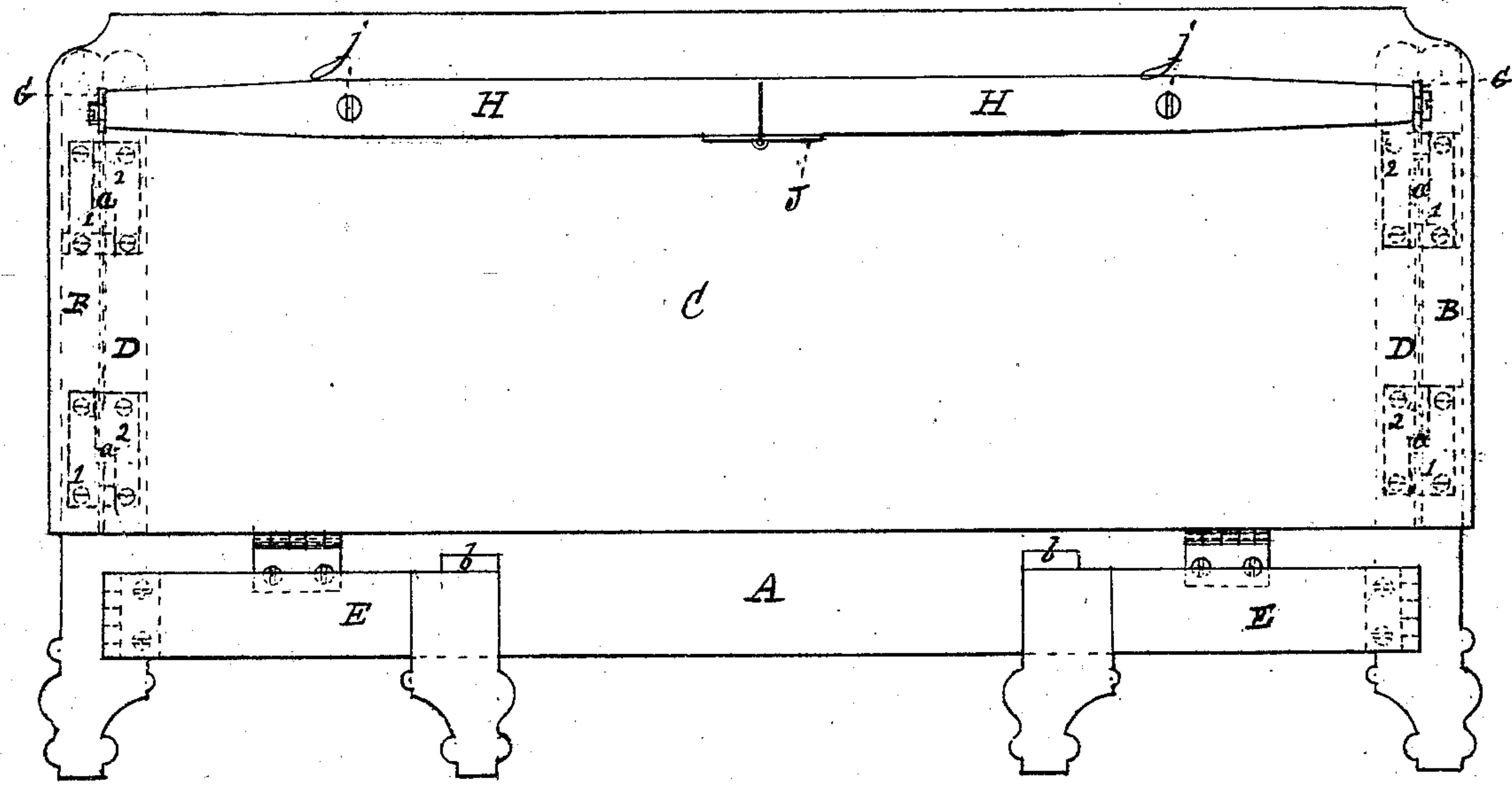
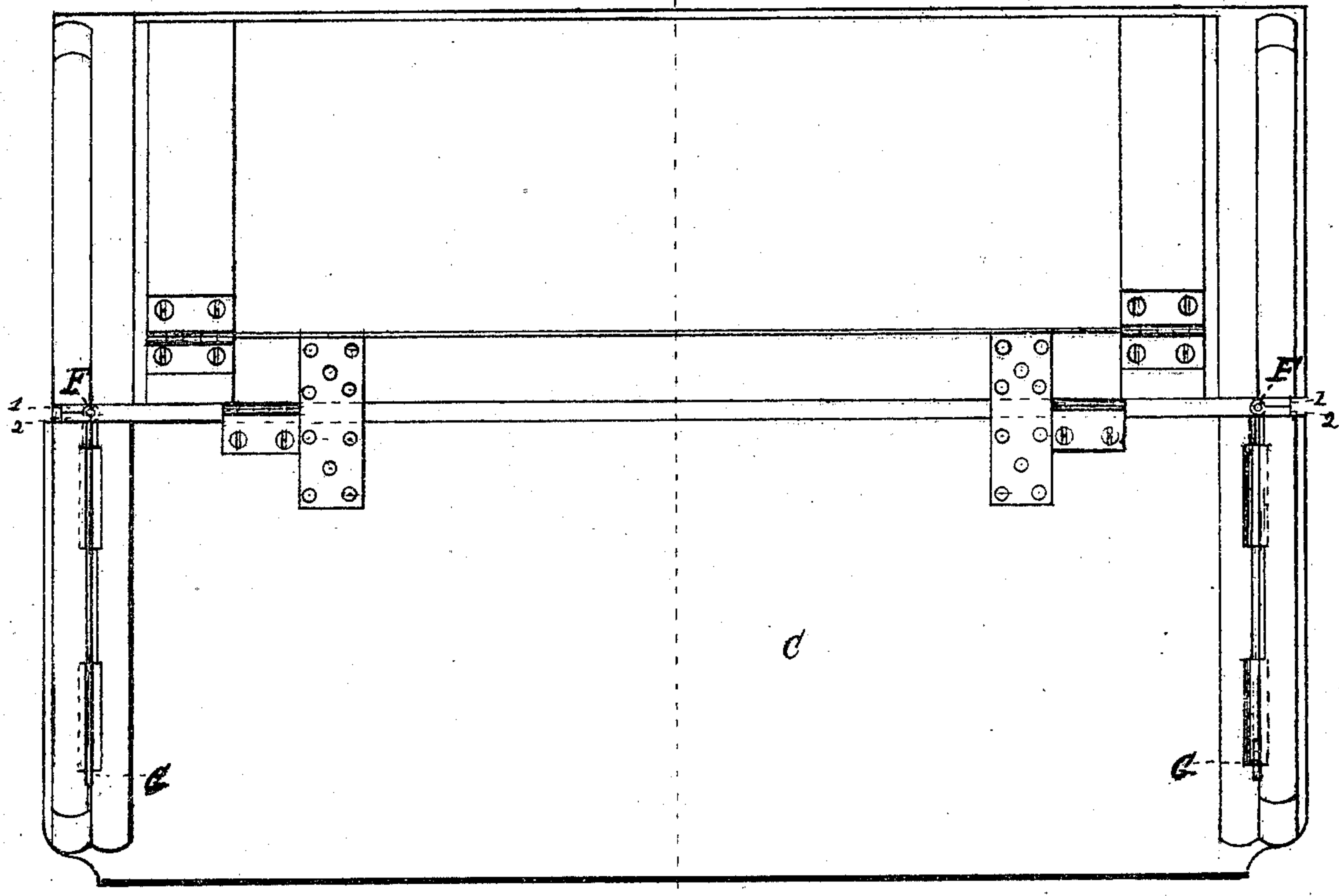


FIG. 2



WITNESSES

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INVENTOR

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WILLIAM FARSON

SOFA BEDSTEAD

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SHEET N^o 2

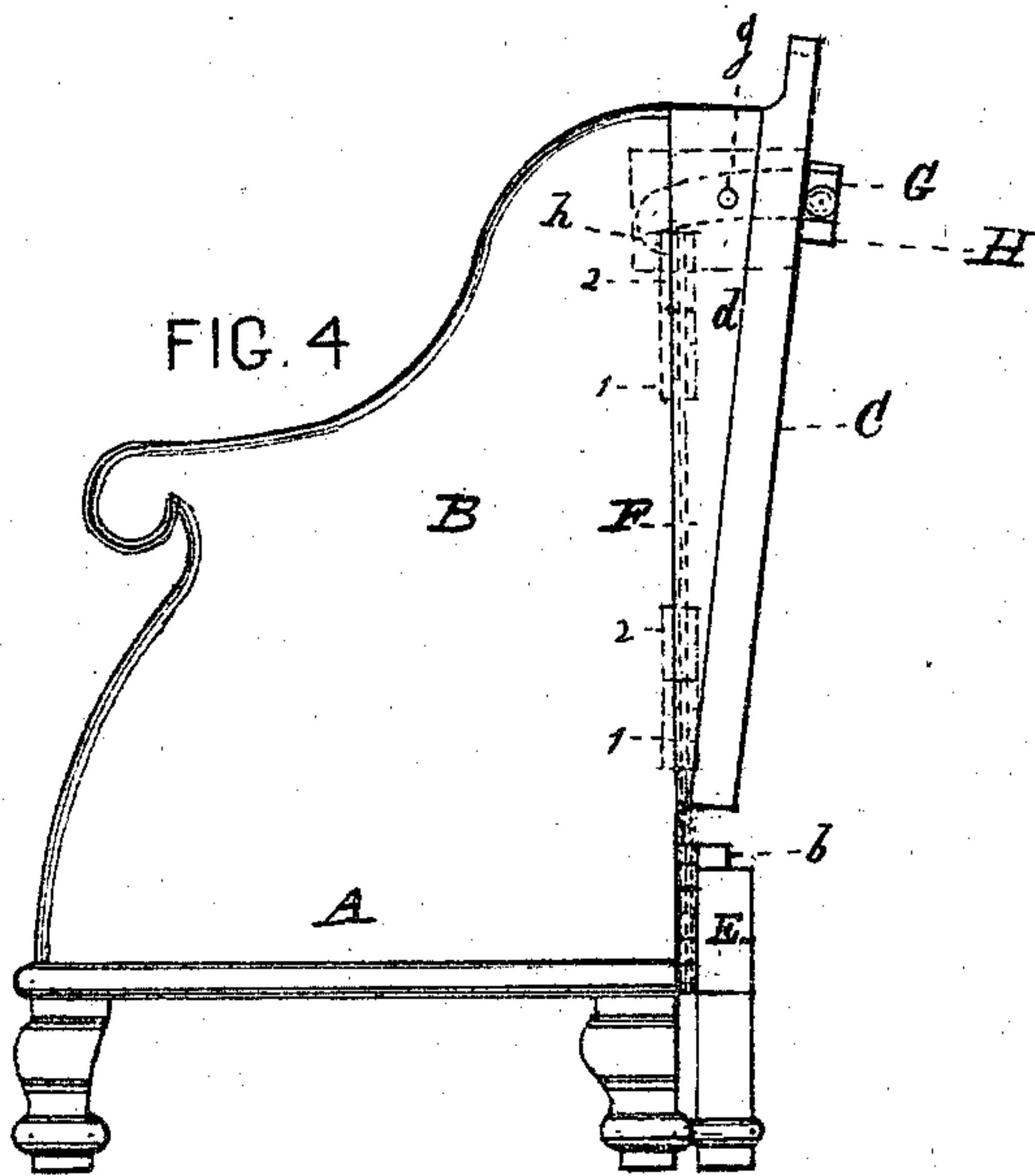
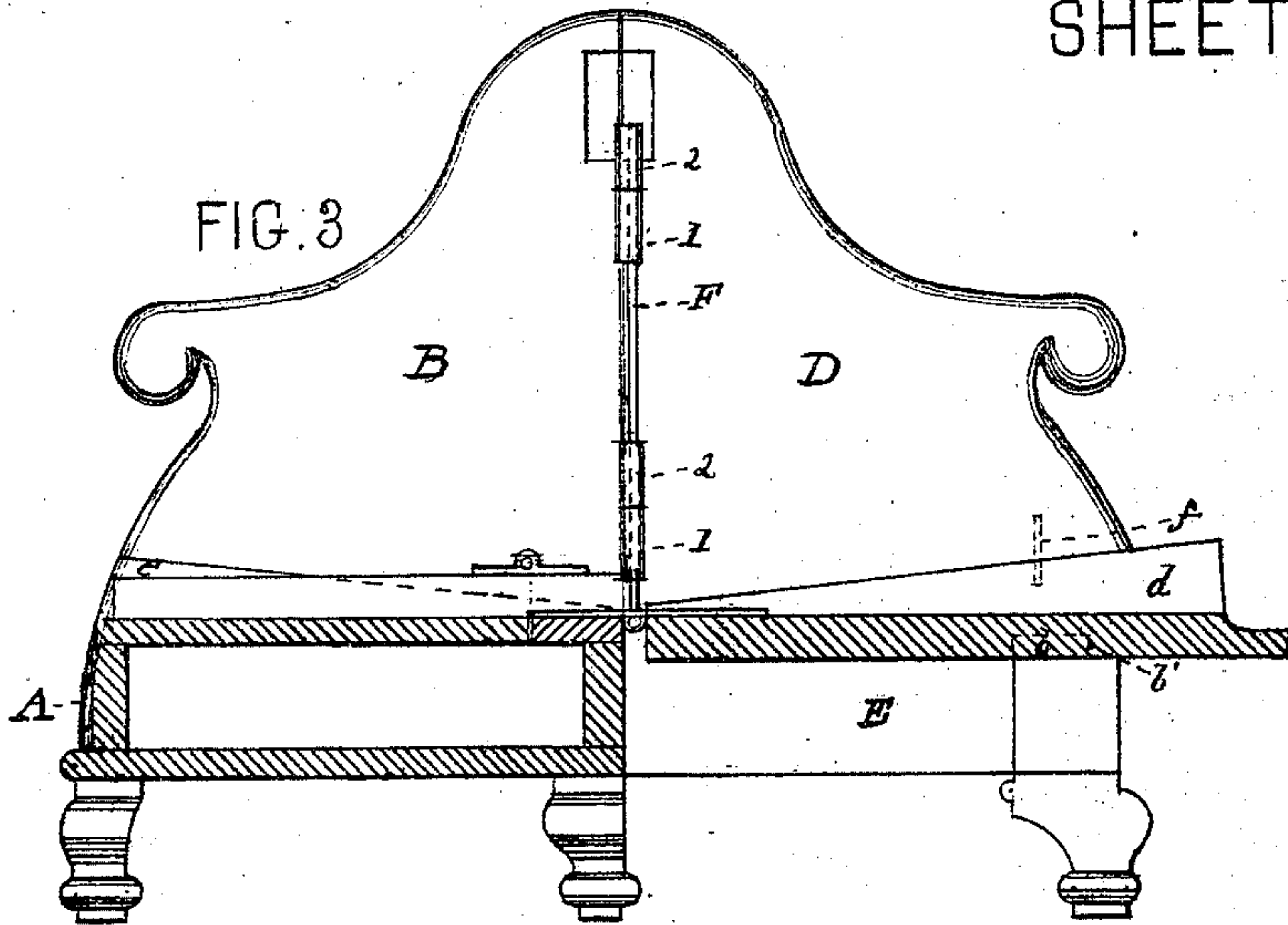


FIG. 5



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM FARSON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SOFA-BEDSTEADS.

Specification forming part of Letters Patent No. 120,374, dated October 31, 1871; antedated October 17, 1871.

To all whom it may concern:

Be it known that I, WILLIAM FARSON, of the city of Philadelphia and State of Pennsylvania, have invented certain Improvements in Sofa-Bedsteads, of which the following is a specification:

The nature of my invention consists of the following features: The back-board of the sofa is hinged so as to turn down and form a part of the support for the bed, and is provided with catches to connect it with the standing arms when thrown upward in its elevated position, as shown in my patent dated January 18, 1870. With the face of the board are combined double horizontal levers hinged together at their middle ends, and so connected with the arms of the confining lever-catches as to be operated simultaneously by a single operation, so that the catches may be confined to hold the back in its elevated position by moving the levers with one hand when their connected ends are grasped or released for lowering the back to its horizontal position to extend the support for the bed, as will be hereinafter described. The sofa is provided with double arms at each end, one stationary, and the other arranged to swing backward over the back-board when the latter is in its horizontal position. The swinging arms are connected with the stationary arms by means of slip-hinges connected with a vertical wire, and so arranged as to admit of the said swinging arm being elevated to clear the mattress when swung back. The back-board is provided with wedge-formed strips at its ends, which in coming against the perpendicular back edges of the standing arms give the proper incline to the back. The lower edges of the swinging arms have a reversed inclination to that of the inclines on the back, so as to cause said parts to fit together when the arms are swung outward.

To enable others to make and use my improved sofa-bedstead, I will now give a full description thereof.

In the accompanying drawing, which makes a part of this specification, Figure 1 is a back elevation of the sofa-bedstead. Fig. 2 is a plan view of the same when the back is lowered to its horizontal position for the reception of the bed. (The bed is omitted in the drawing to show the improvements more clearly.) Fig. 3 is a cross-section at the line *xx* of Fig. 2. Fig. 4 is an end

view of the sofa. Fig. 5 is a view of one of the hinges *a*.

Like letters in all the figures indicate the same parts.

A is the bottom frame of the sofa. B B are permanent ends connected therewith. C is the back-board of the sofa. D D are swinging arms which make a finish with the arms B B to which they are connected by means of hinges *a*, when in the position seen in Fig. 1. The ends of the bedstead are extended over the board C by the said arms, as seen in Figs. 2 and 3, when said board is turned down into its horizontal position to receive the mattress. At each end of the sofa there is a fly, E, hinged to the bottom frame A, to be swung outward to support the board C. The upper edge of the fly is provided with a dowel, *b*, which connects with a corresponding mortise, *b'*, in the back-board C, to hold the fly securely in position. To the said board C are confined wedge-shaped pieces *d d*, to give an inclination to the back when in its elevated position. The swinging arms D have a reversed inclination at their lower edge so as to fit the former inclines when brought into connection therewith. The standing pieces *e e*, which make a finish with the arms D D when folded against the ends B B, are of corresponding inclination on their upper edges to that of the lower edges of the arms, so as to give a permanent support to the same. In order to admit of the arms D D being elevated so as to swing over the mattress the hinges are made in two pieces, as shown in detail in Fig. 5, the parts 1 being fast to the standing arm B, and the fly part 2 to the swinging arm D. A single wire, F, at each end of the sofa, is connected with the fly parts 2 2 of the hinge, and slides in the eyes of the parts 1 1 as the swinging arm is elevated to clear the mattress as it is swung around to the position seen in Figs. 2 and 3, or when brought back to the position seen in Fig. 1. The lower edges of the said arms are provided with dowels *f*, which fit in corresponding holes in the inclines to hold the arms in their backward position. The back-board C is securely connected with the ends B B of the sofa when in its elevated position by means of the lever-catches G G, which are hung on the pivots *g*, the catch part *h* of the levers falling in front of the top hinge, as seen in Fig. 4. This combination and arrangement of the

lever-catches is shown in my patent dated January 18, 1870, above referred to. The said lever-catches are in my present invention, however, operated by means of a novel device, which consists of the double levers H H. The levers turn on the fulcrum-pins *j j*. They are connected at their inner ends by means of the hinge J.

The connected ends of the levers are elevated by grasping them with one hand to depress the outer ends of the catch-levers G G, and thus disengage them from the upper end of the upper hinges *a* to admit of the back C being brought into its horizontal position, as seen in Figs. 2 and 3. When the back is returned to its elevated position the catches are brought into connection with the hinges by pressing the levers H H down into the position shown in Fig. 1.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination and arrangement of the double levers H H with the back-board C and catch-levers G G for locking and unlocking the back-board, substantially in the manner and for the purpose above described.

2. The combination of the slip-hinges *a*, composed of the parts 1 and 2 and vertical wire F, with the arms B D, the said parts being constructed and arranged to operate substantially as and for the purpose above set forth.

In testimony whereof I have hereunto set my hand and seal this 28th day of March, 1871.

WILLIAM FARSON. [L. S.]

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.

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