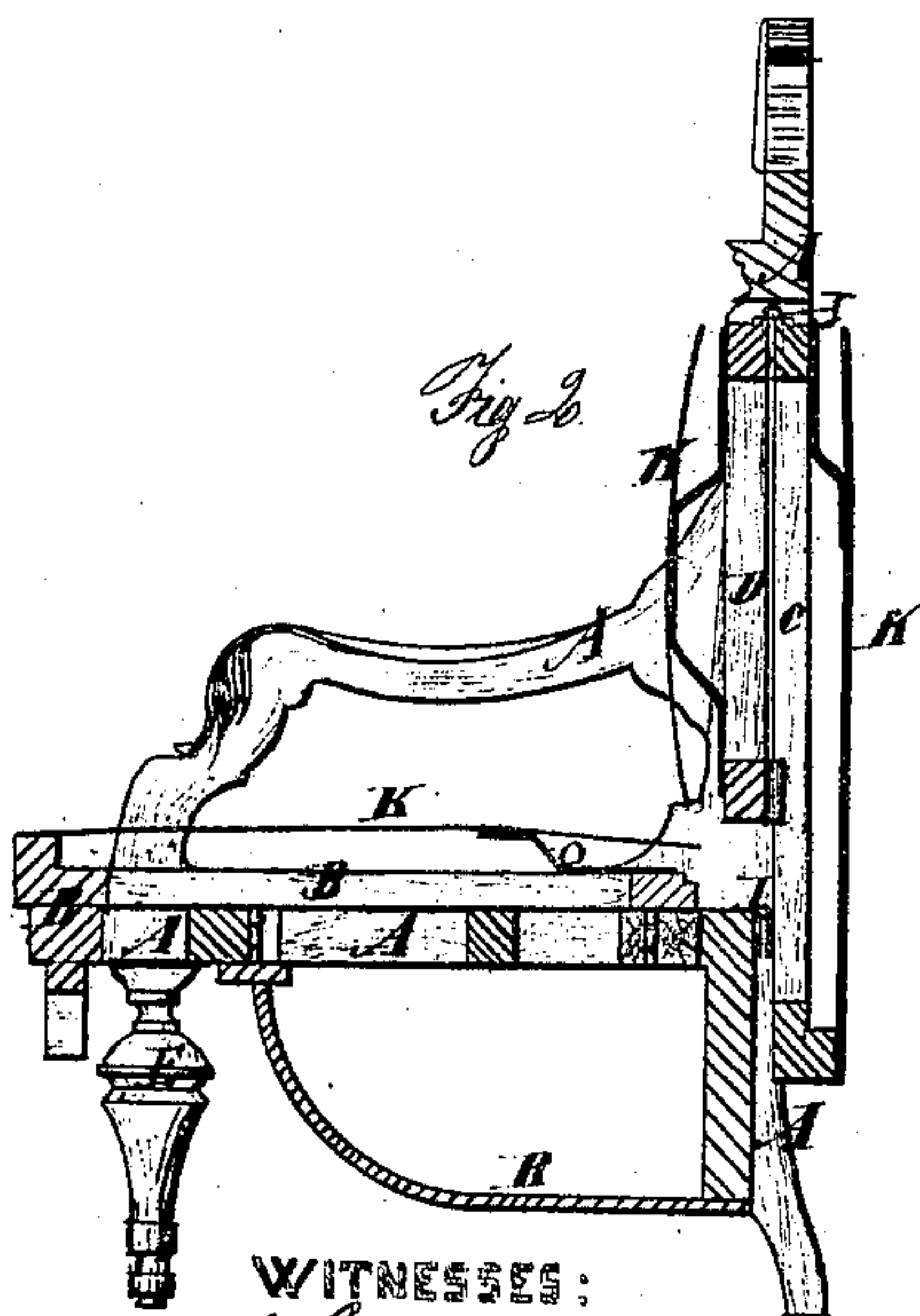
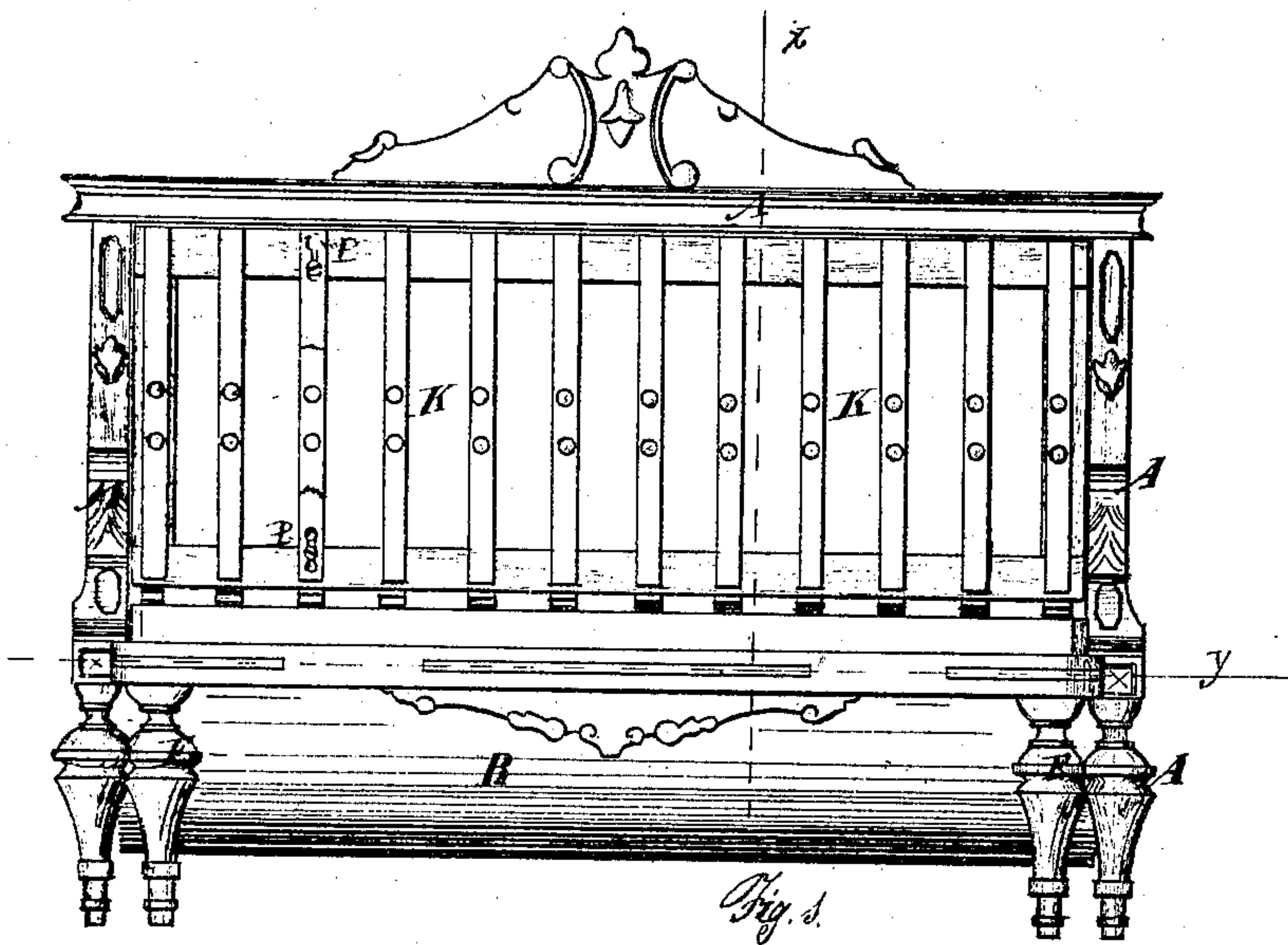


2. Sheets. Sheet. 1  
C. J. McAlister,

Sofa Bedstead

No. 104,176.

Patented June 14, 1870.



WITNESSES:

Lewis L. Coburn  
J. H. Munday

INVENTOR:

Charles J. McAlister

C. J. McAlister,

2. Sheets, Sheet 2

Sofa Bedstead.

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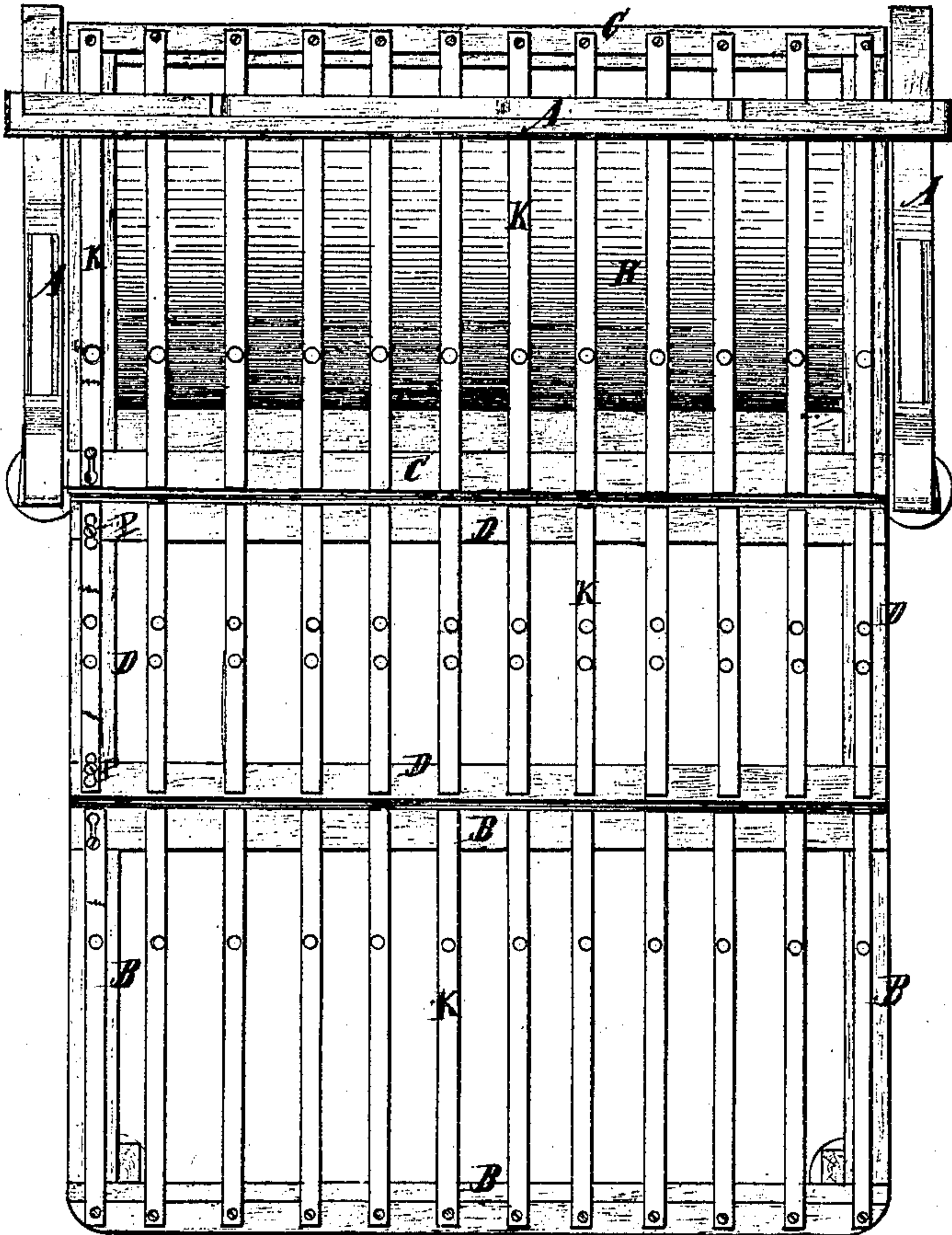


Fig. 3.

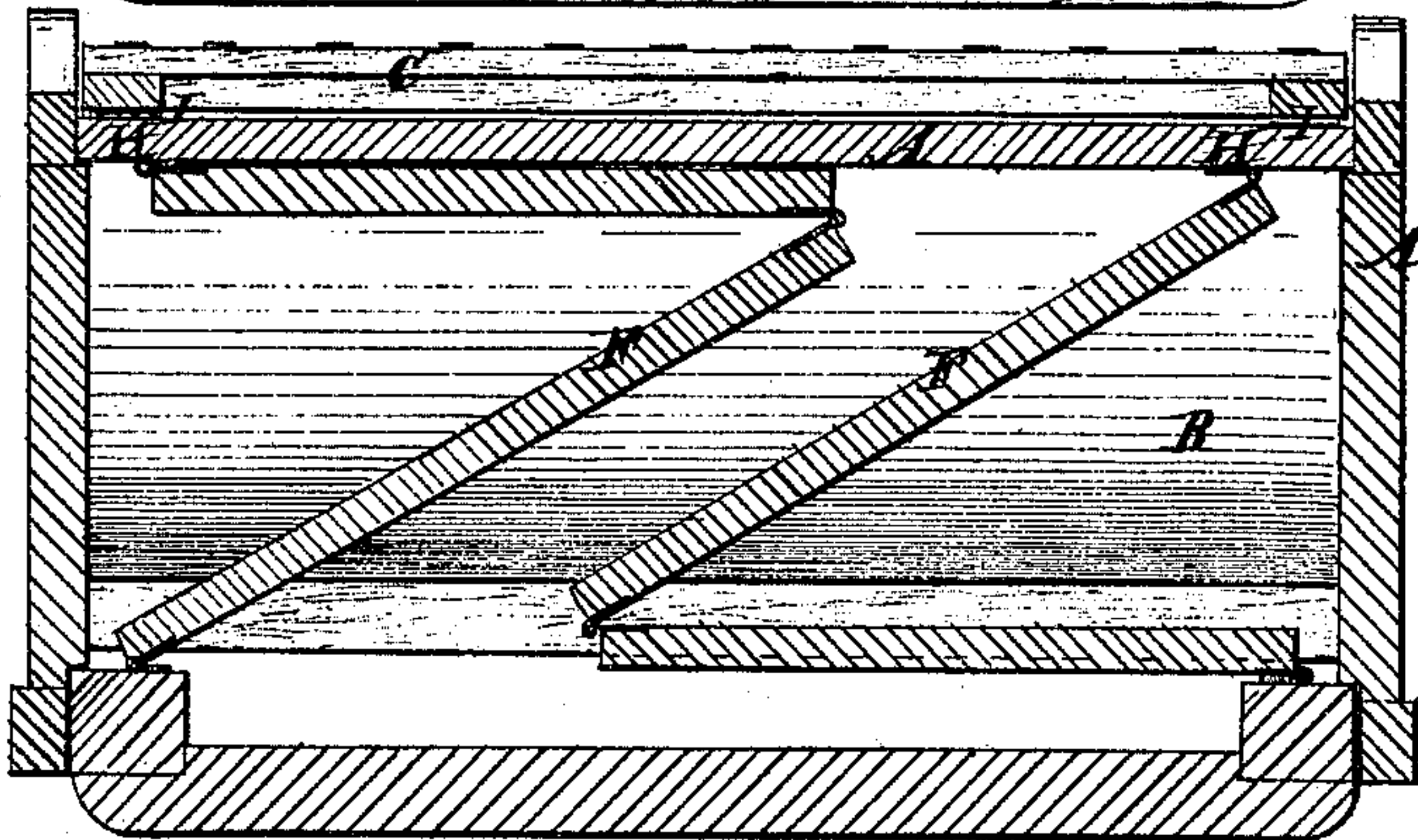


Fig. 4.

INVENTOR:

Charles J. McAlister

WITNESSES:

Lewis L. Coburn

J. Munday



# United States Patent Office.

CHARLES J. McALISTER, OF CHICAGO, ILLINOIS.

Letters Patent No. 104,176, dated June 14, 1870.

## IMPROVED SOFA AND BEDSTEAD.

The Schedule referred to in these Letters Patent and making part of the same

*To all whom it may concern:*

Be it known that I, CHARLES J. McALISTER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful "Improved Combined Sofa and Bedstead;" and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing and the letters and figures marked thereon, which form a part of this specification, and in which—

Figure 1 represents a front elevation of the sofa;

Figure 2, a transverse sectional view at the line *x*;

Figure 3, a top or plan view of the bedstead; and

Figure 4, a horizontal sectional view of the sofa, taken at the line *y*.

My improvement relates to that class of invention which consists in making a convenient and durable piece of furniture, that can be readily folded into an ordinary upholstered sofa, or unfolded into an easy, comfortable spring-bottom bedstead, thus making one article of furniture answer for both purposes.

The nature of my invention consists in a novel spring to be applied to a combined sofa-bedstead, as more fully hereafter set forth.

It further consists in the combination of the jointed extension pieces, the sofa-frame and seat, and the rigid frames, all more fully hereafter described, with the springs.

I make a strong, durable sofa-frame, A, with the posts, arms, and legs, and all its different parts made in any of the usual styles or patterns.

I make three separate frames, B, C, and D, one of which, B, has two legs, E, attached to one side of it, and it is attached to the main sofa-frame A by the hinged extension pieces F, and forms the seat of the sofa, as clearly shown in fig. 2.

When the extension arms are folded, as shown in fig. 4, by taking hold of the frame B it can be drawn out from the sofa-frame to the position shown in fig. 2, the folding extension arms straightened so as to form a support for the other frames, which are swung down, as hereafter described, to form the bed-bottom.

The extension arms F being hinged to the back cross-piece H of the sofa-frame and to the legs E of the frame B, they have a bearing at the front of the sofa, when they are drawn out, which strengthens them and prevents the liability of their being broken.

The frame C is hinged to the sofa-frame A at I, and the frame D is hinged to the frame C at J, in such a manner that, when the frames are swung down, as hereafter described, to form a part of the bed-bottom, the frames will lie side by side.

When these frames are swung up, as shown in figs. 1 and 2, they constitute the upholstered part of the back of the sofa.

There are springs K attached to the frames, and the frames are upholstered in any suitable style of upholstery, covering the springs, so that the seat and both sides of the back of the sofa are furnished with spring upholstery, and when the seat is drawn

out, and frames C and D are swung down, as shown in fig. 3, these same surfaces constitute a spring mattress for a bed.

The frame D is made narrower than C, so that it will not interfere with the upholstering of the seat, and the frame C can be extended down as low as desired, to give length to the bed, and also to present a good appearance when folded as a sofa.

The springs which I use are constructed in a novel manner. They are made of tempered steel, and are supported by one or more bent pieces O.

These bent pieces are secured to the frame by screws, there being holes in the bent pieces large enough for the heads of the screws to pass through, and slots P, leading from the holes, which are not large enough for the heads of the screws, but which will receive the stem of the screw.

It will be seen that this fastening enables one to secure the springs in place by passing the screw-head through the hole in the spring, and then slipping the spring laterally, so as to bring the screw into the slot P.

One end of these bent pieces O is riveted to the main part of the spring. These bent pieces are also tempered steel, and form a part of the spring.

These springs will operate very well by attaching one end directly to the frame, and using only one bent piece, O, under the opposite end, attached as above described, as that allows the spring to give when a weight is placed upon it, by the slat slipping on the screw.

This form of spring forms a flat surface, and when attached to the top of the frame will spring down to the frame, so as to occupy no space, excepting the thickness of a single plate, and still present an even surface, which no other spring will do.

I make a receptacle, R, beneath the sofa-frame for the bed-clothes. It must be made only large enough to receive the bed-clothes, since the upholstery of the sofa makes a spring mattress for the bed, thereby dispensing with the necessity of having a mattress to stow away when the sofa is used.

The jointed extension pieces are made so as to fold laterally, and, when folded, as clearly shown in fig. 2, are under the sofa seat or frame B, entirely out of the way.

Having thus fully described the construction and operation of my combined sofa and bedstead,

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

1. The springs K and the bent supports O, when constructed and operating substantially as and for the purposes set forth.

2. The combination of the jointed extension pieces F, frames A and B, the rigid frames C and D, with the springs K and bent supports O, substantially as and for the purpose specified and shown.

Witnesses: CHARLES J. McALISTER.

LEWIS L. COBURN,

J. W. MUNDAY.