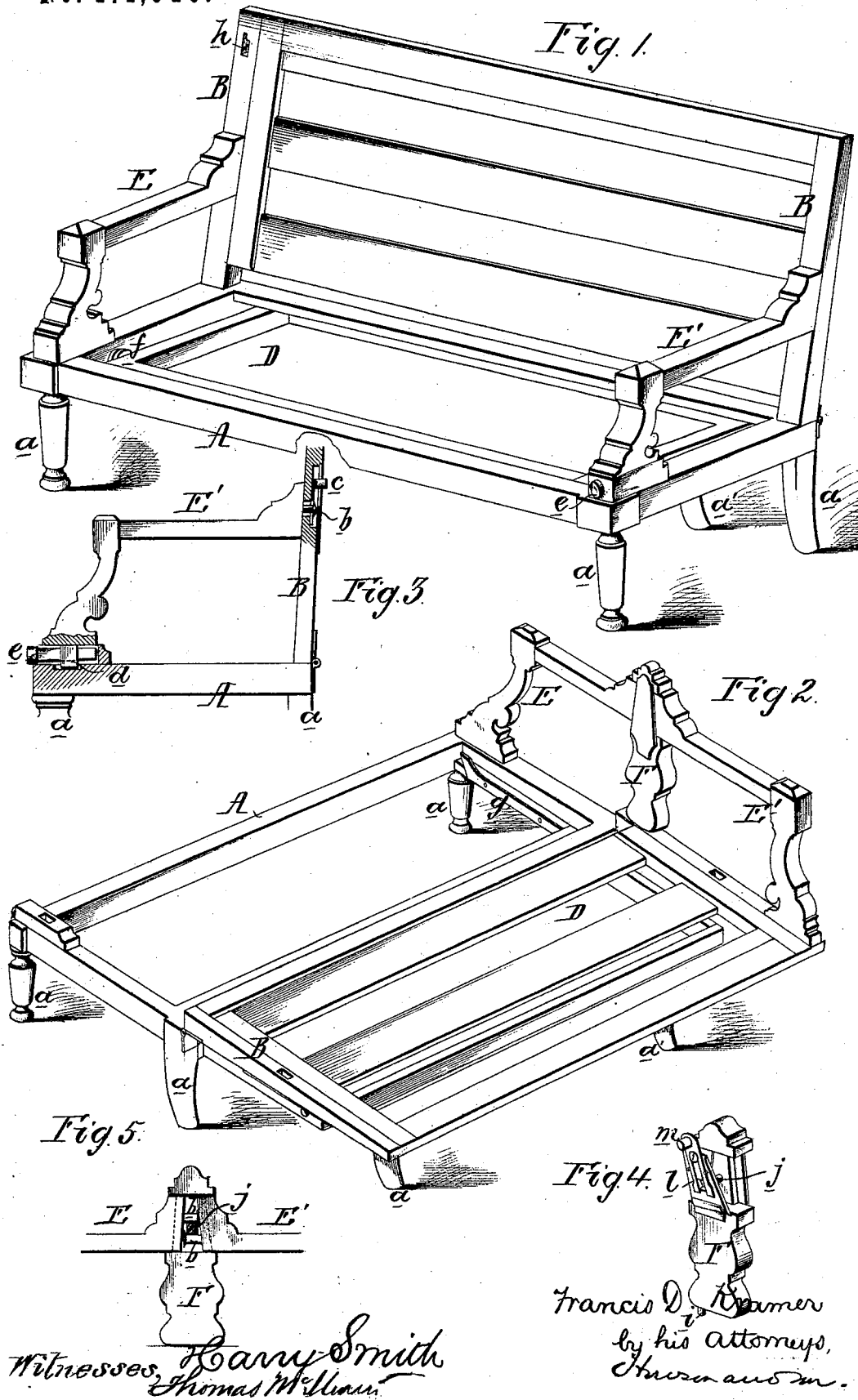


F. D. KRAMER.
SOFA-BEDSTEAD.

No. 171,940.

Patented Jan. 11, 1876.



Witnesses, *Harry Smith*
Thomas Williams

Francis D. Kramer
by his attorneys,
Harmon and Co.

UNITED STATES PATENT OFFICE.

FRANCIS D. KRAMER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SOFA-BEDSTEADS.

Specification forming part of Letters Patent No. 171,940, dated January 11, 1876; application filed May 21, 1875.

To all whom it may concern:

Be it known that I, FRANCIS D. KRAMER, of Philadelphia, Pennsylvania, have invented certain Improvements in Sofa-Bedsteads, of which the following is a specification:

The object of my invention is to construct a sofa which can be readily transformed into a bedstead; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of the frame of a sofa constructed according to my invention; Fig. 2, the same as it appears when arranged as a bedstead; and Figs. 3, 4, and 5, detached views illustrating some of the features of my invention.

A is the bottom frame of the sofa, and is supported upon four legs, *a*, in the usual manner. The back B of the sofa is hinged to the bottom frame A at each end, and within the frame is a drawer, D, which can be moved in and out, as hereinafter described. The sofa has two arms, E and E', one of which, E', is made detachable, in order that, in conjunction with the center-piece F and the arm E, it may form a head-board for the bedstead. The back of the sofa is secured to these arms, in the present instance, by means of the sliding bolts *c* and flanged pins *b*, the arm E' being preferably secured to the bottom frame A by a flanged projection, *d*, and wedge-pin *e*. The tray or drawer D is intended for the reception of bed-clothes, &c., and is provided at the rear with feet *a'*, and at each side, near its front end, with a roller, *f*, which runs upon a rail, *g*, secured to the side piece of the bottom frame A, and is slightly raised at the front, as shown in Fig. 2, so that when the tray D is contained within the bottom of the sofa, as shown in Fig. 1, its front edge will be so lifted that it will be hidden from view by the front strip of the frame A.

When a sofa is desired, the parts are arranged as shown in Fig. 1, the arms being secured to the frame, and the tray arranged under the seat; but when it is desired to transform the sofa into a bedstead, the arm E is first released from the back, and the arm E' entirely removed from the frame of the sofa. The tray D is then drawn out, and the back B turned on its hinges until it rests in a hori-

zontal position on the said tray. When in this position the projection *d* of the arm E' is inserted in an opening, *h*, in one of the side strips of the back B, and the ends of both arms E and E' are inserted in and secured to a center-piece, F, as shown in Fig. 2, so as to form a head-board for the bedstead. This center-piece F consists of an ornamental standard, having at the bottom a pin, *i*, adapted to an opening in the side strip of the back frame, and near the top an opening, into which the ends of the arms E and E' can fit snugly. The arms are secured to the center-piece by a pin, *j*, which crosses the opening of the said center-piece, and bears against the pins *b* of the arms, as shown in Fig. 5, the flanged heads of the pins *b* effectually preventing the withdrawal of the arms. One side of the opening in the center-piece F is covered by a hinged strip, *l*, which is slotted, and carries a sliding slotted plate, *m*, as shown in Fig. 4. When this strip is elevated, so as to cover the opening, the head of the pin *j*, which is flanged, projects through the slot, so that by depressing the plate *m* the movement of the pin *j* is prevented, and the secure attachment of the arms to the center-piece insured.

I do not desire to claim, broadly, the combination of a detachable arm with the hinged back and main frame of a sofa-bed; but

I claim as my invention—

1. The combination of the frame A, back B, and arms E E' with a center-piece, F, arranged substantially as described.

2. The center-piece F, in which are combined an opening for the reception of the ends of the arms E E', a flanged pin, *j*, extending across said opening, and the hinged and slotted strip *l*, carrying a sliding plate, *m*, all substantially as and for the purpose described.

3. The combination of the movable tray D and its rollers *f* with the rails *g*, secured to the side strips of the frame A, and having their front ends raised, as and for the purpose herein set forth.

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

FRANCIS D. KRAMER.

Witnesses:

HUBERT HOWSON,
HARRY SMITH.