

A. C. Semple

Bed Bottom,

Nº 19,151.

Patented Feb. 23, 1858.

Fig. 1.

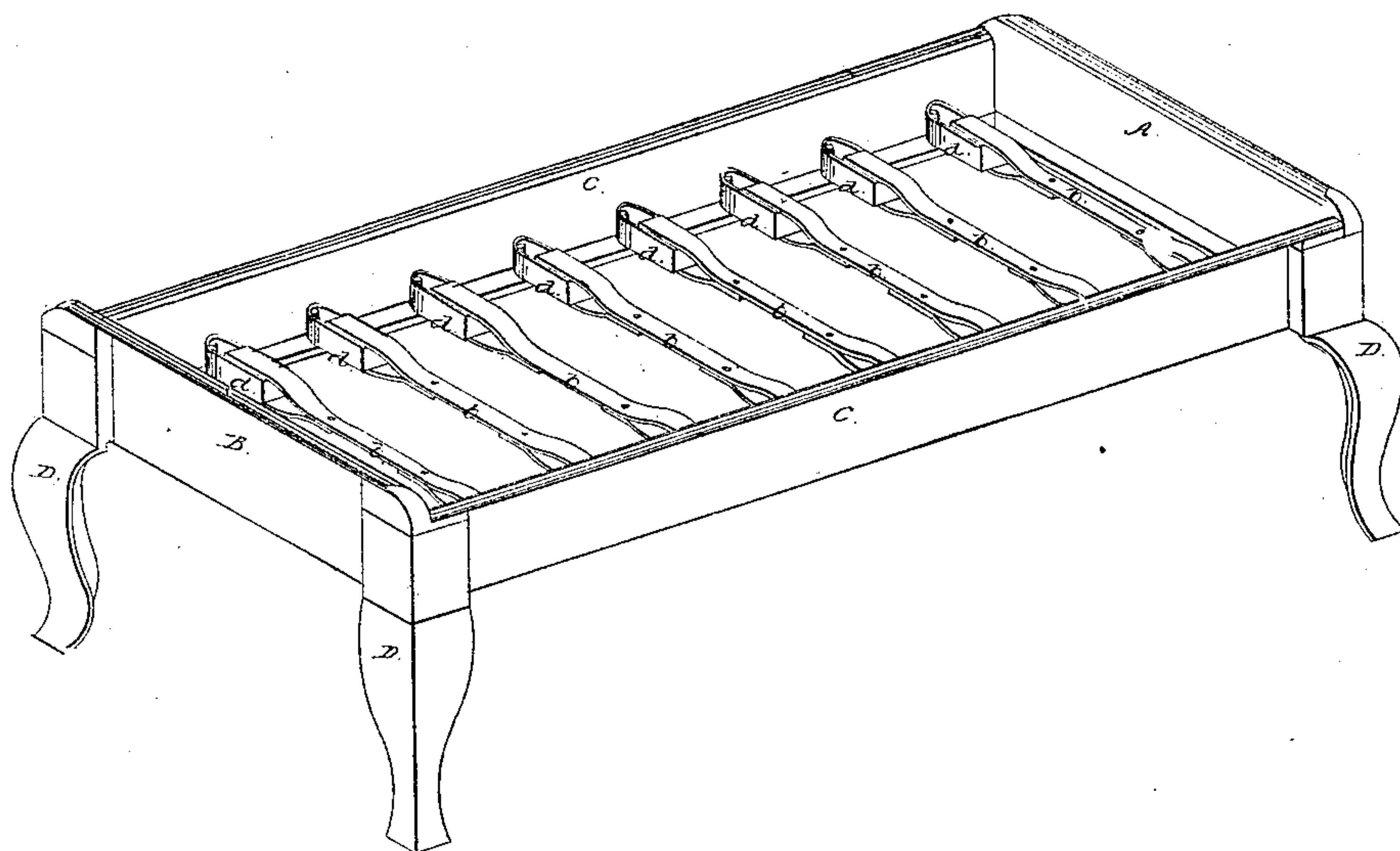


Fig. 2.

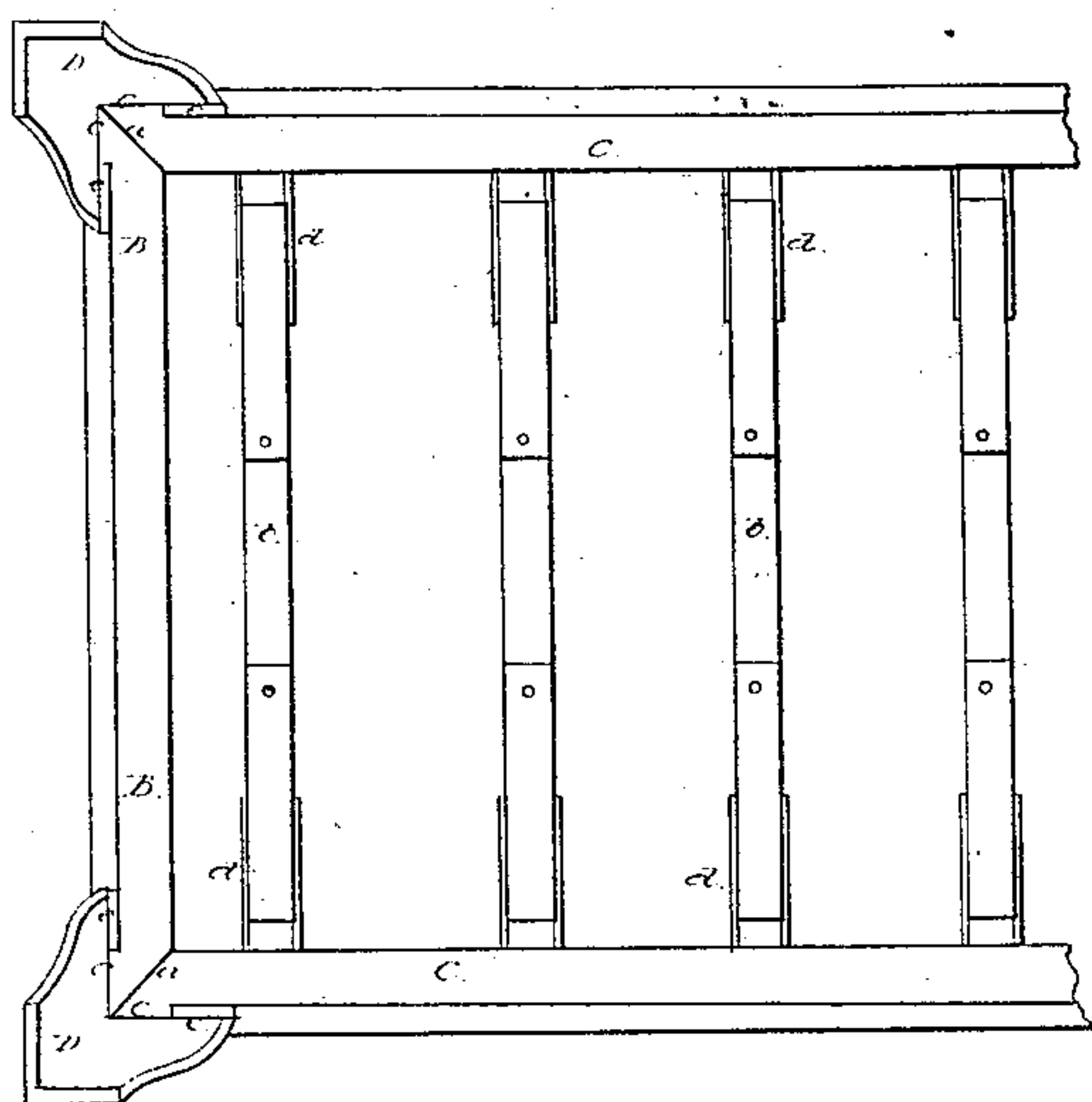
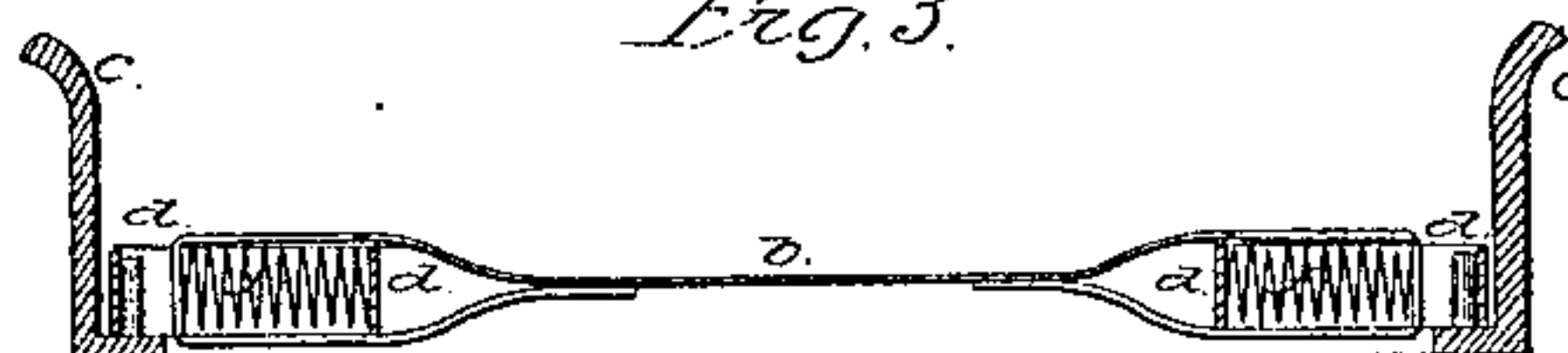


Fig. 3.



UNITED STATES PATENT OFFICE.

A. C. SEMPLE, OF NEW YORK, N. Y.

FASTENING OF CAST-IRON BEDSTEADS.

Specification of Letters Patent No. 19,451, dated February 23, 1858.

To all whom it may concern:

Be it known that I, AMZI C. SEMPLE, of the city, county, and State of New York, have invented certain new and useful Improvements in the Manner of Constructing Cast-Iron Bedsteads and other Similar Furniture; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1. represents a perspective view of a bedstead, sofa, or lounge frame; Fig. 2. represents a view of the bottom part of said frame, to better show its fastenings. Fig. 3. represents a vertical transverse section through the sides or rails of the bedstead.

Similar letters of reference where they occur in the several figures denote like parts of the bedstead, in all of them.

My invention relates to the particular manner of uniting the rails and supports of bedsteads, sofas or lounges by forming the fastenings on the pieces composing the frame.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

A, B, may represent the head and foot rail, or board of an ordinary bedstead, and C, C, the sides or rails thereof.

D, D, D, D, are the legs or supports upon which the frame composed of A, B, C, C, rests—they mutually holding each other together, as will be seen by reference to Fig. 2, where *a* shows the end and side rails as meeting in a miter-joint. *c, c*, are projections cast on the end and side rails, close to the miter *a*, and *e, e*, are other projections cast upon the inner sides of the legs or supports D, and which catch behind the projections *c, c* on the rails the supports extending entirely around the corner—thus a simple and effectual fastening is made by the rails and supports themselves, without one additional piece or part to connect them together. The taking down and setting up of a bedstead of this kind, is readily done, without a screw driver, or any thing other than what is cast onto the parts themselves. There is a ledge on the inner under sides of the rails or

sides, in which studs or pins are arranged for holding the slats which compose the sagging bottom of the bedstead. These slats are made of hoop or band iron, and so as to hold and contain their own springs, without further additional appliances than the slat itself affords, so that there is nothing to lose, break, or have repaired, or that requires any mechanical skill in setting up or taking down. Its simplicity placing it within the control of any one. A strip of band or hoop iron has two loops formed on it—one at each end, and the ends of the band riveted down. This forms the center portion *b* of the slat. Through these loops are passed other strips, which are bent around into a loop and riveted, which form the end pieces *d*, of the slat; these end pieces catching over the pins or studs in the rails, hold themselves thus in place. When the loops on the center piece *b*, and those on the end pieces *d*, are thus put together they form a box closed at all of its sides, and within this box, I place the spiral spring *f*, (or a rubber spring if preferred), where it is securely held by the closed sides of the box, and thus requires no other fastening or support of any kind. By simply unhooking the loops *d*, and turning them around in the loops of the center piece *b*, the springs may be lifted out, or put in place at any time.

The rails of this kind of bedstead may be in light open work, and ornamented or plain. The supports D, may be furnished with casters, upon which it may be easily moved, the whole forming a light, durable, cheap, and cleanly bedstead.

Having thus fully described the nature and object of my invention, what I claim therein as new and desire to secure by Letters Patent is—

Fastening the corners of bedsteads, and other similar furniture, by the miter joint and the projections on the rails or sides, and the projections on the legs or supports catching behind them by which the parts form their own fastening and mutually support each other substantially as set forth.

A. C. SEMPLE.

Witnesses:

A. B. STOUGHTON,
E. COHEN.