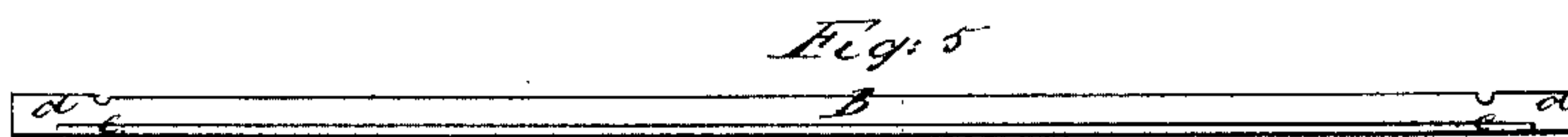
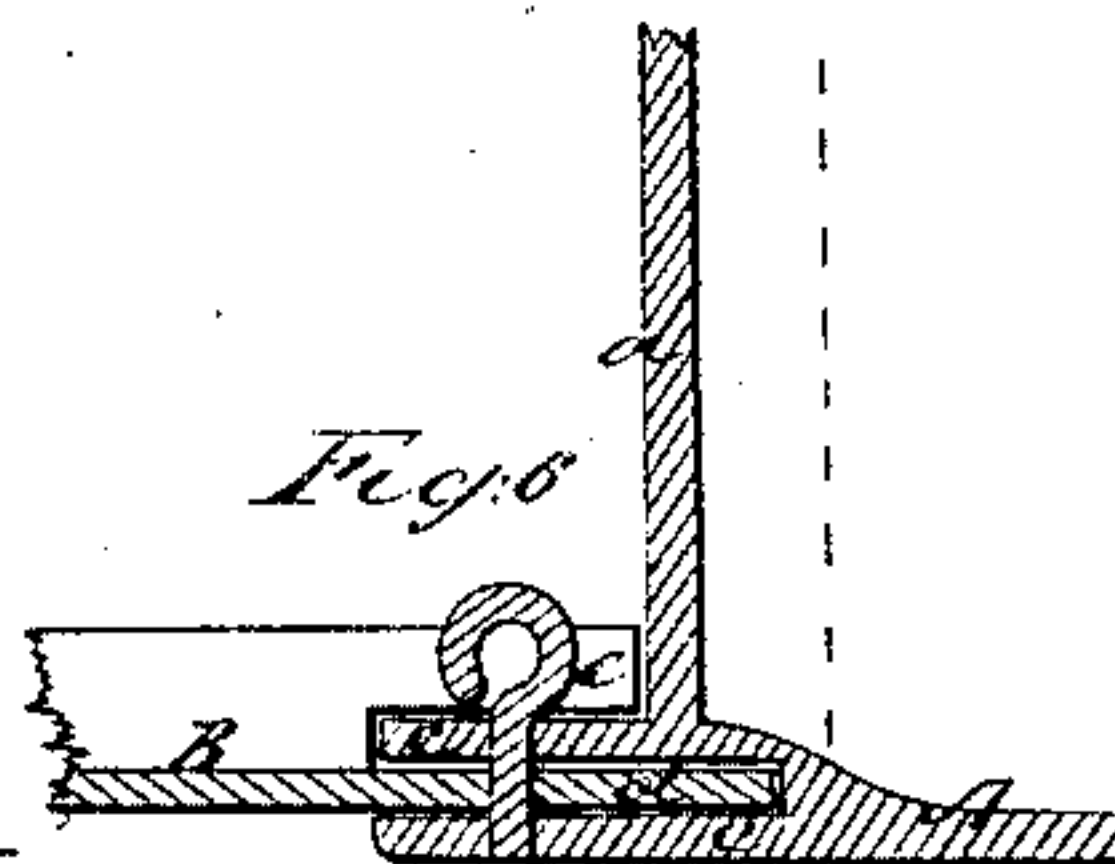
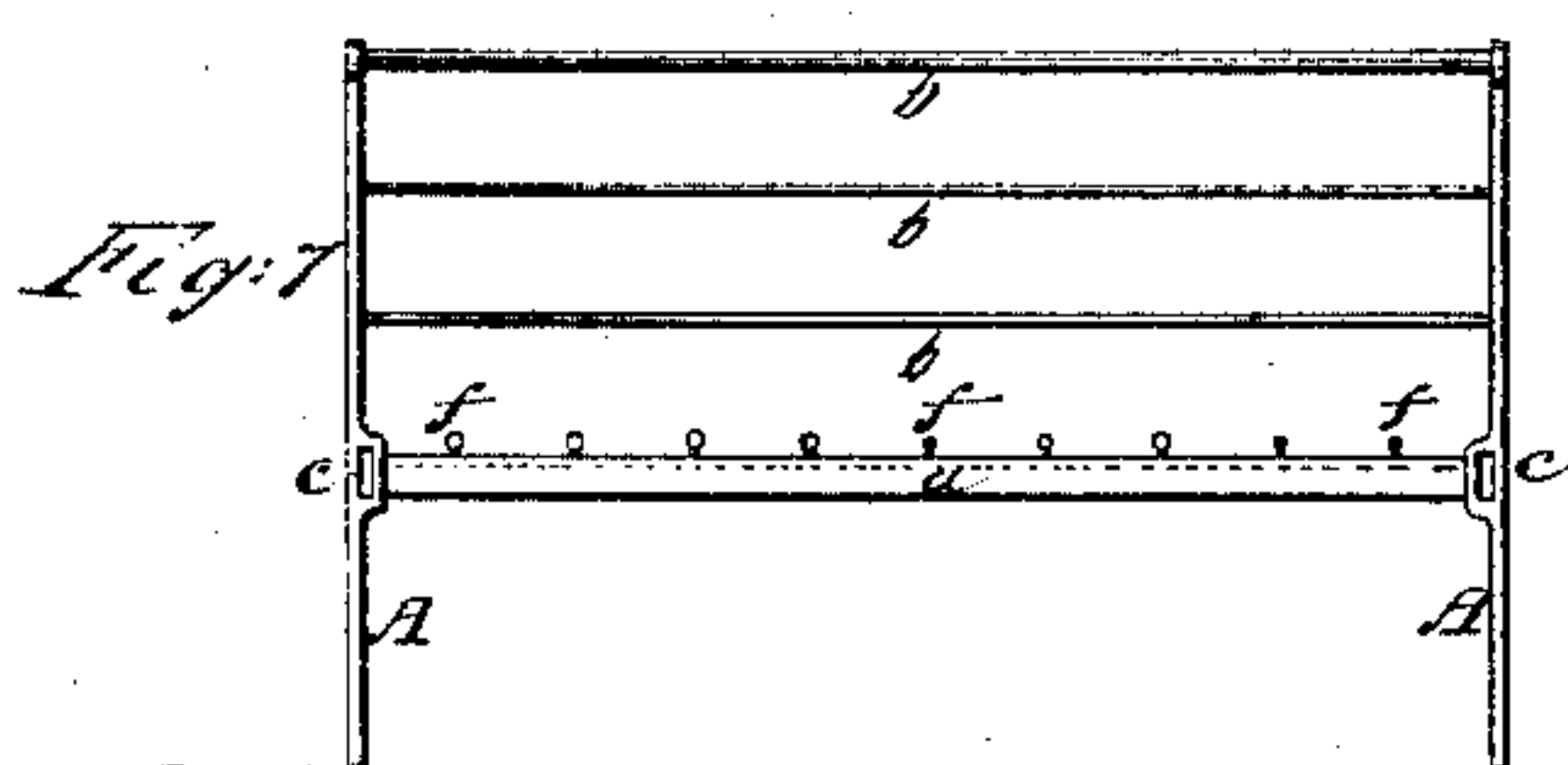
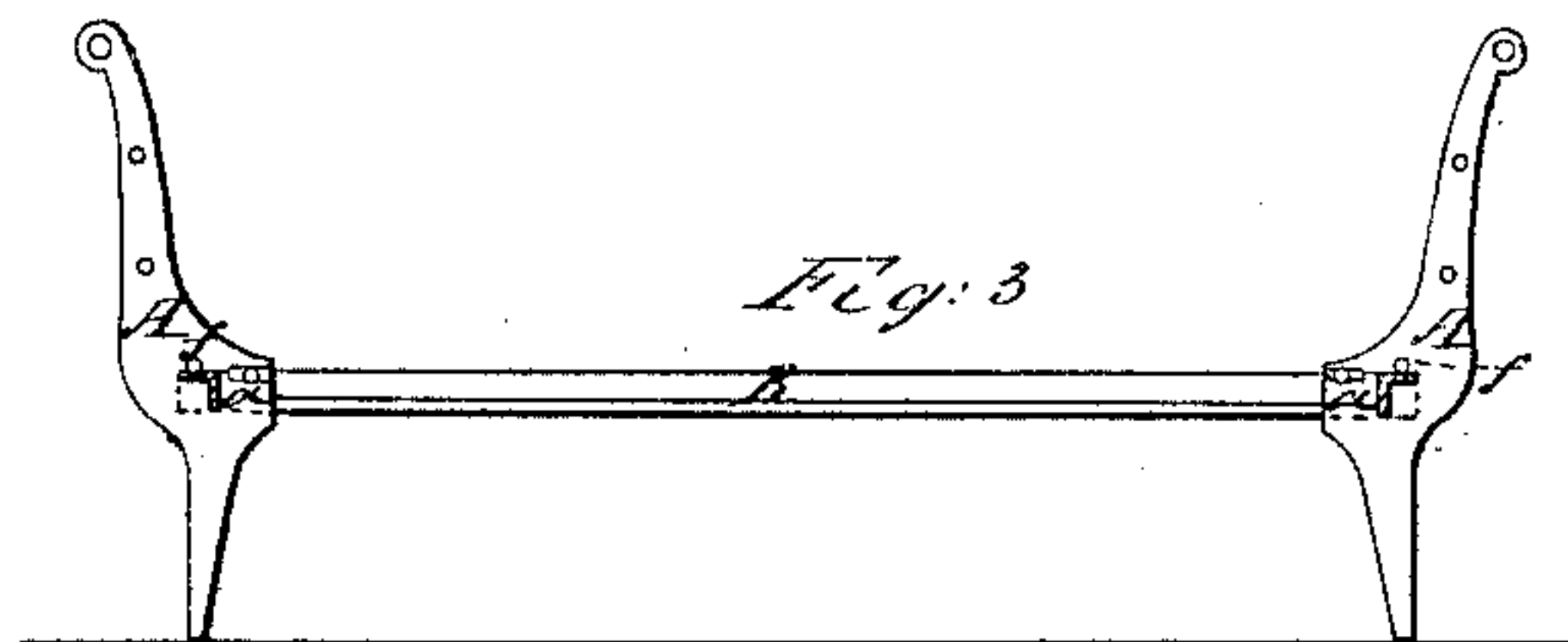
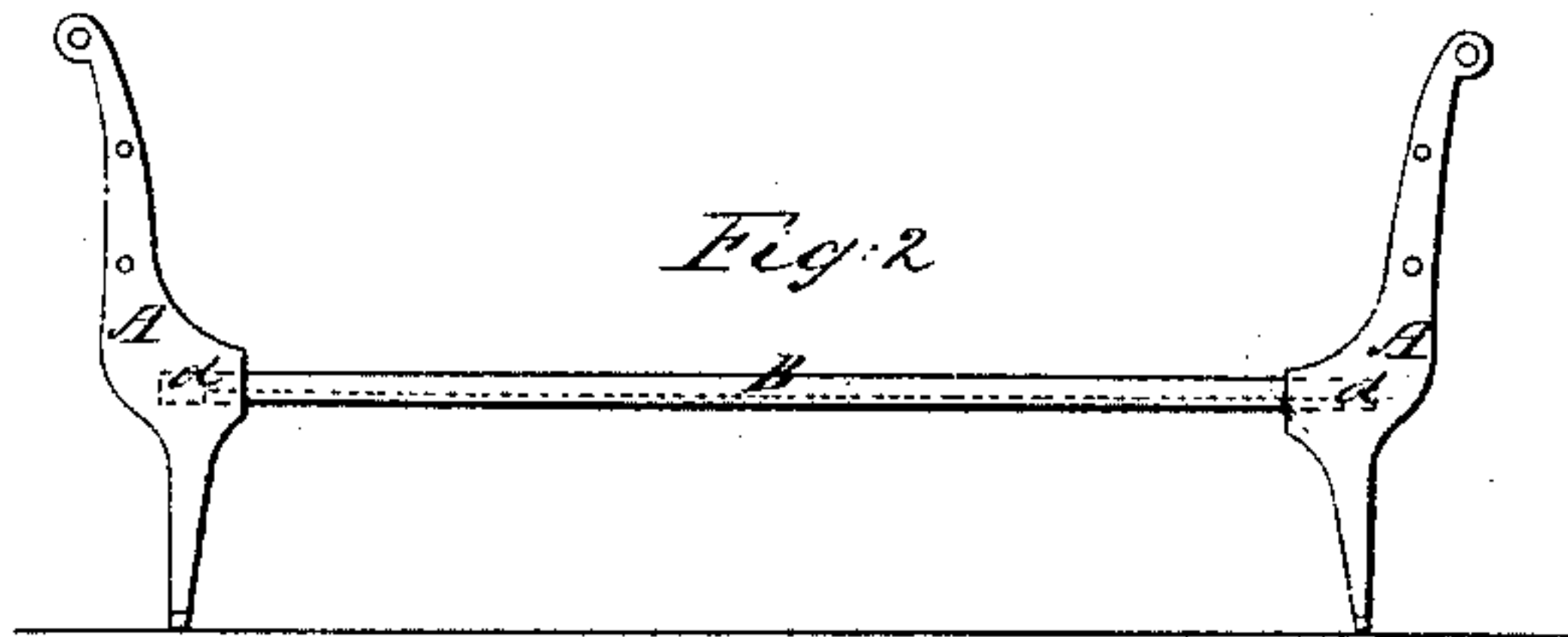
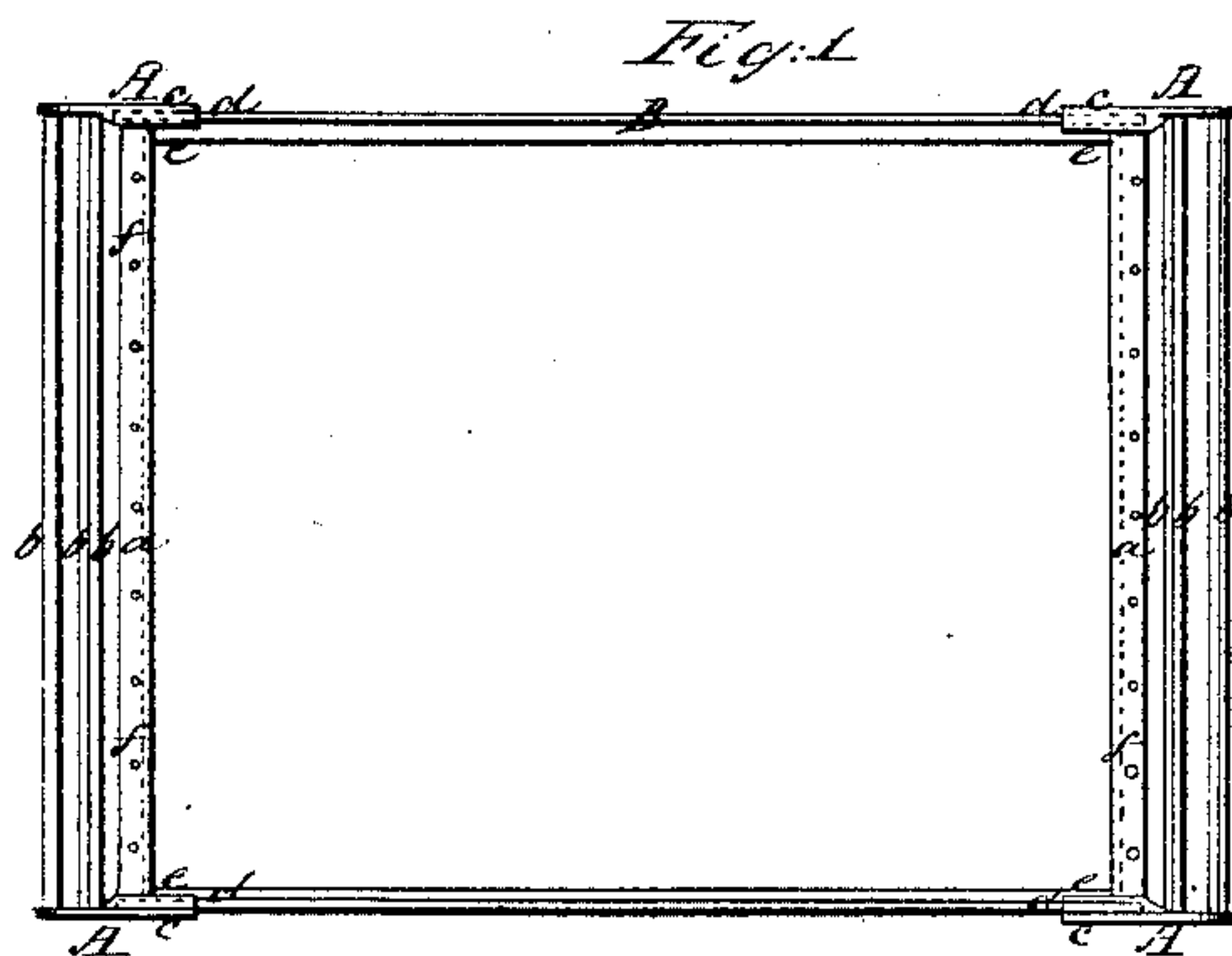


J. M. French,

Bedstead,

N^o 37,163.

Patented Dec. 16, 1862.



Witnesses
R. H. Gray
J. R. Hale Jr

Inventor
James M. French

UNITED STATES PATENT OFFICE.

JAMES M. FRENCH, OF EAST CAMBRIDGE, MASSACHUSETTS.

IMPROVED IRON BEDSTEAD.

Specification forming part of Letters Patent No. 37,163, dated December 16, 1862.

To all whom it may concern:

Be it known that I, JAMES M. FRENCH, a citizen of the United States of America, and a resident of East Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Iron Bedsteads; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a longitudinal section, of a bedstead provided or constructed in accordance with my invention. Fig. 4 is a top view, and Fig. 5 is a side elevation, of one of its rails. Fig. 6 is a horizontal section of part of one of the rails, and part of the head or foot frame immediately adjacent thereto. Fig. 7 is an inner side elevation of one of the head and foot frames.

The object I have had in view in making my invention was to produce a strong and durable iron bedstead, having its rails made of what is usually termed "angle-iron." In order to effect this, I construct the bedstead with separate head and foot frames, and so that each of them shall have two mortises for the reception of tenons projecting from the two rails, and I also provide each of the rails alongside of each of its tenons with what may be termed an "auxiliary overlapping bearer," which, when the rail is inserted in one of the head and foot frames, runs alongside of or overlaps the inner surface of the part in which the mortise is formed, and abuts against the inner side of the adjacent cross-rail of the posts of the frame, and by so doing operating not only to prevent the tenon from being bent or broken, but to greatly stiffen or render stable the whole bedstead.

In the drawings, A A A A are the bedstead-posts, two of which at the head and two of which at the foot of the bedstead are connected together by an angle cross-bar, *a*, and three or any other suitable number of round rods, *b b b*, the whole being arranged as shown in the drawings. Each post is made with a

mortise, *c*, which projects inward beyond the angle-iron bar *a*, as shown in the drawings, and is intended to receive one of two tenons, *d d*, extended from the ends of each of the two rails B B. Besides this tenon, there is at each end of each of the said rails B B a projection or bearer, *e*, which, when the tenon is within its mortise, shoots by or overlaps the mortise projection or bears against it and abuts against the angle-iron bar *a*, the whole being as shown in the drawings. A pin passed through each tenon and its mortise will suffice to hold the rails and the posts of the head and foot frames together. Each cross-bar *a* is provided with a series of buttons or studs, *f f*, which serve to connect the sacking or its equivalent to the bedstead. If necessary, each of the side rails may be supplied with similar devices or their equivalents.

By constructing the bedstead in manner as above described I am enabled to make a very substantial and durable one of iron. Furthermore, each of the bearers *e e* operates to prevent its tenon from being bent or broken off in a lateral direction.

I do not claim the attaching of the post and rail of a bedstead by a tenon and mortise, as I am well aware that this is not new; nor do I claim making a rail of what is termed "angle-iron."

I claim—

The improved bedstead as made, not only with its angle-iron rails B B and head and foot frames connected by tenons and mortises, but with each of the said rails furnished with bearers *e e*, constructed and arranged with respect to the tenons and mortises and the lower bars of the head and foot frames in manner and so as to operate therewith substantially as specified.

In testimony whereof I have hereunto set my signature.

JAMES M. FRENCH.

Witnesses:

R. H. EDDY,
F. P. HALE, Jr.