

E. K. GARRETSON & W. FULGHUM.

Bed-Bottoms.

No. 138,630.

Patented May 6, 1873.

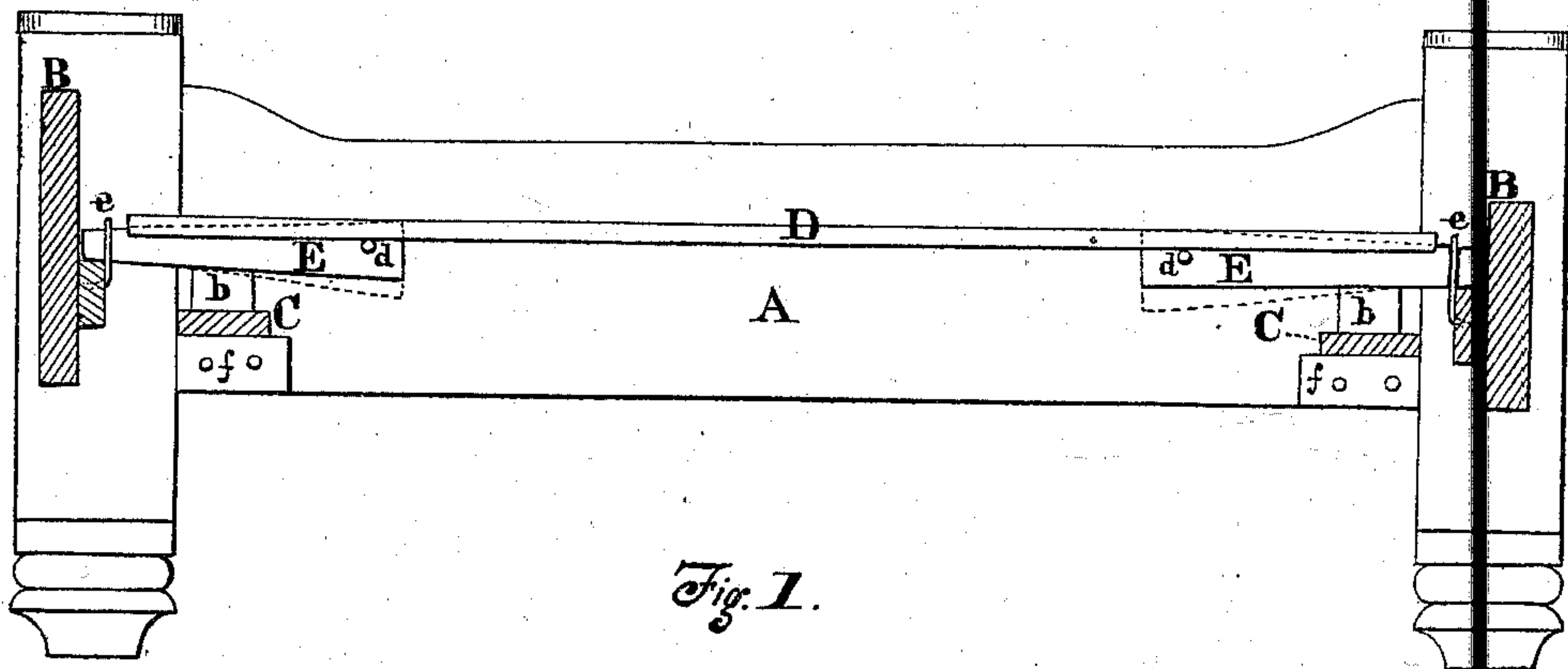


Fig. 1.

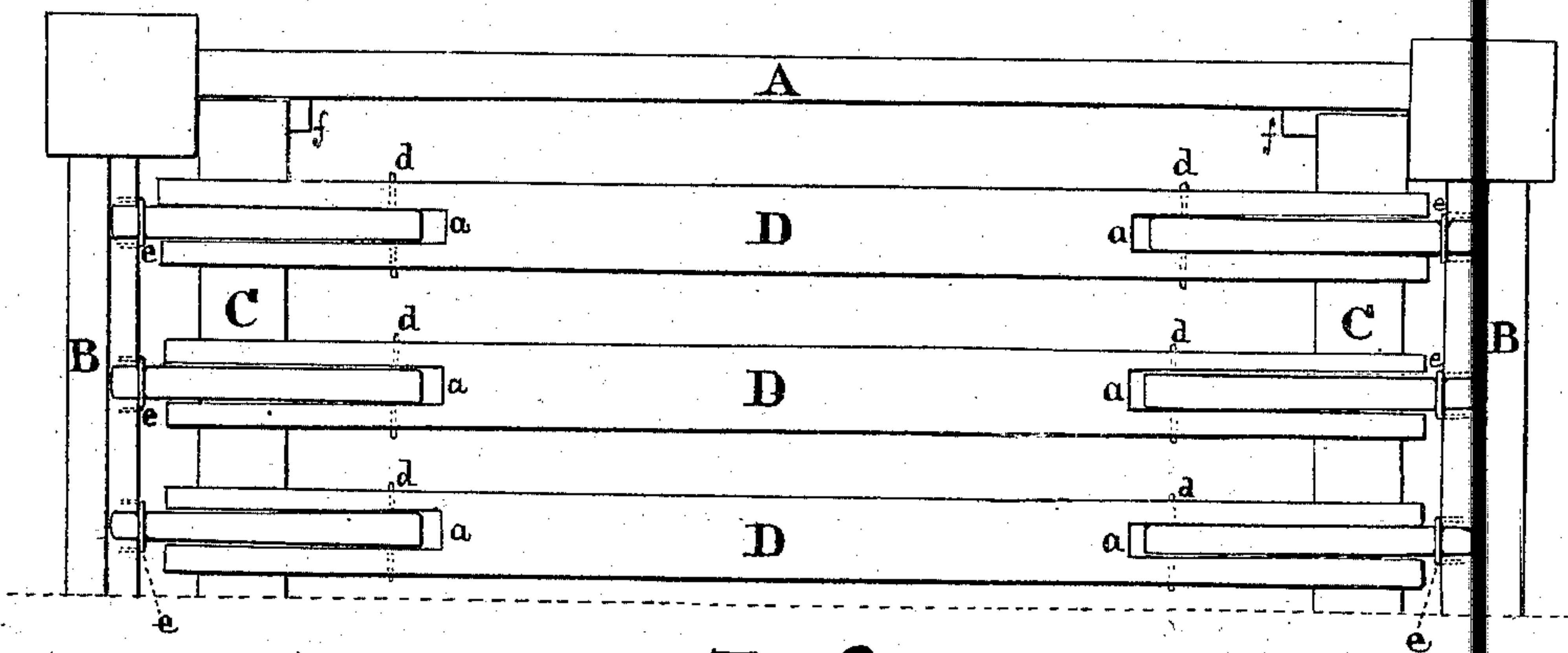


Fig. 2.

Witnesses:
Henry W. Wells
James Thurston.

Eli K. Garrettson
by E. Thurston
his Attorney
Woodard Fulghum
by E. Thurston
his Attorney

UNITED STATES PATENT OFFICE.

ELI K. GARRETSON AND WOODARD FULGHUM, OF WINCHESTER, IND.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **138,630**, dated May 6, 1873; application filed April 29, 1873.

To all whom it may concern:

Be it known that we, ELI K. GARRETSON and WOODARD FULGHUM, both of the town of Winchester, in the county of Randolph, in the State of Indiana, have invented an Improvement in Bottoms for Bedsteads, Lounges, and Seats; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a sectional elevation; Fig. 2, a plan.

This invention consists of a combination of the usual bedstead-slats with a short vibrating lever at each end of said slats, and on which the latter rest. The lever at each end of said slat or slats rests upon a spring or rubber support, which rests in turn upon a cross-bar supported by the bedstead-frame. The further end of each lever enters a staple or other socket on the bed-head or on the foot of the bedstead. This arrangement allows the slats considerable vertical play, and by adjusting the support nearer to or further from the vibrating ends of the levers more or less vertical play is conferred upon them and the supported slats.

One of the forms in which we construct this bed or lounge bottom we will now describe: In the drawing, A A are the sides of the bedstead; B B, the head and foot boards; C C, transverse supports for the levers E E E, which rest at either end on the sides A A, one near the head-board the other near the foot-board, along which they are movable. D D D are several slats extending longitudinally of the bedstead, each slat having slots *a a* at either end to admit from beneath the free end of a short horizontally-placed lever, E, which has a cross pin or head, *d*, on that end, and

on which the divided end of the slat rests. The lever at or near its middle part rests upon a spring, rubber, or other firm elastic support, *b*, sustained by one of the cross-pieces C C. The remoter end of each lever is engaged within a staple, *e*, or similar device to retain that end steadily, but allowing a certain amount of vertical vibration to that end engaged with the slat. The levers may each be set upon rigid supports, and their further ends next the bedstead be engaged by springs or other elastic device or devices, and the intermediate support be moved to such point as will best subserve the required amount of springiness or vertical play.

It will be seen that the slats D D D, resting as they do upon the vibrating ends of their respective levers E E E, are free to move up and down with considerable springiness, or vertical play for their entire length, according to the amount of pressure thereon, and entirely independent of each other in such action. The cross-pieces C C which support the levers are moved along the supporting ledges at each end to adjust the play of their respective levers.

What we claim as our invention is—

The slats D D resting at each end upon a pin, *d*, in a lever, E, the levers E E, the lever-supporting blocks *b b*, block-supports C C, and the staples *e e e*, in combination with the bedstead, sofa, or seat, substantially as and for the purposes described.

In testimony that we claim the foregoing spring-bed or seat-bottom we have hereunto set our hands this 24th day of March, 1873.

ELI K. GARRETSON.

WOODARD FULGHUM.

Witnesses:

I. C. ENNIS,

A. J. STAKEBAKE.