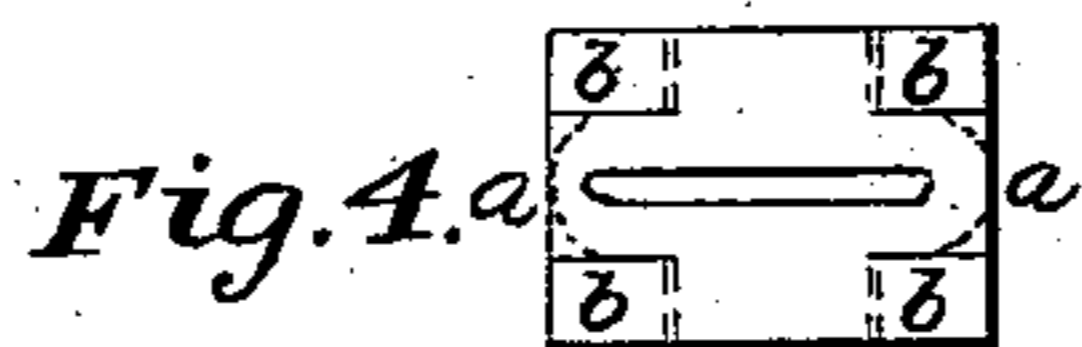
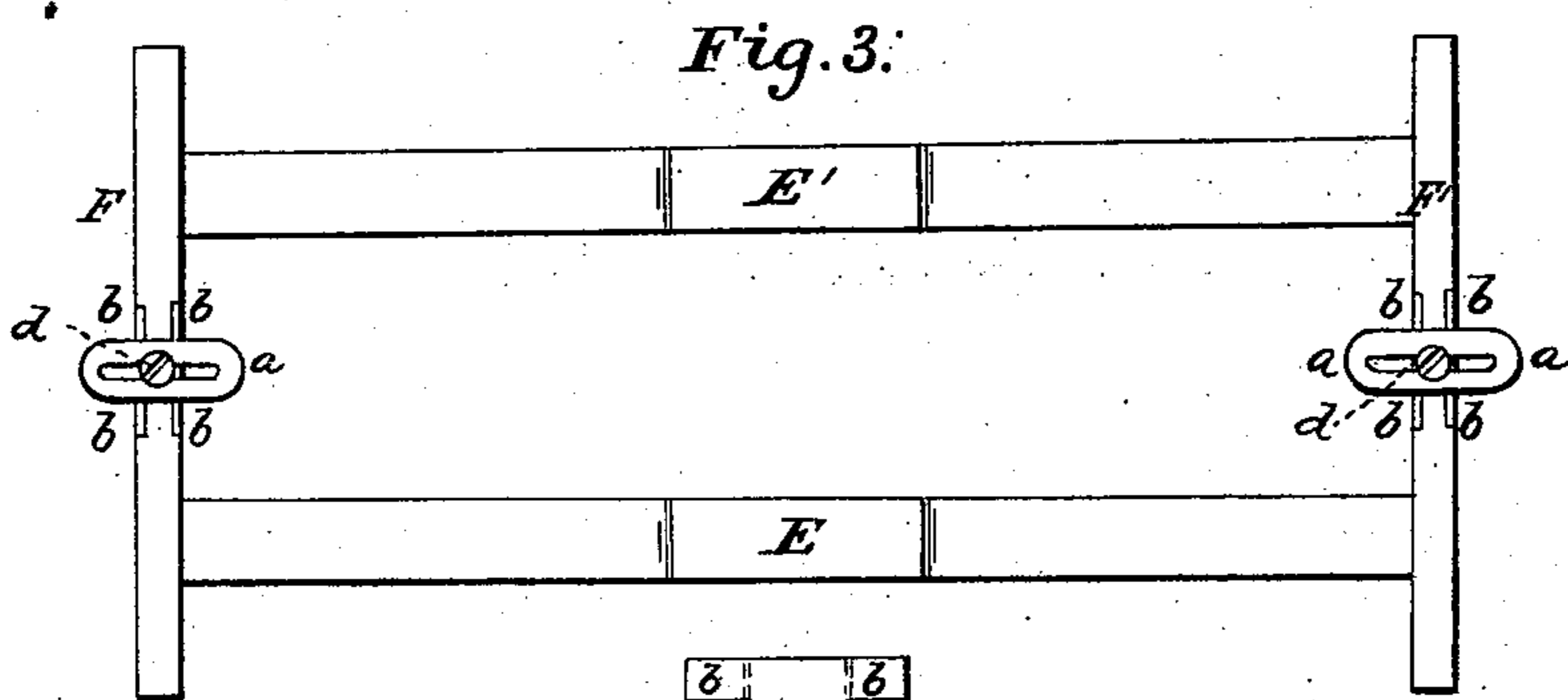
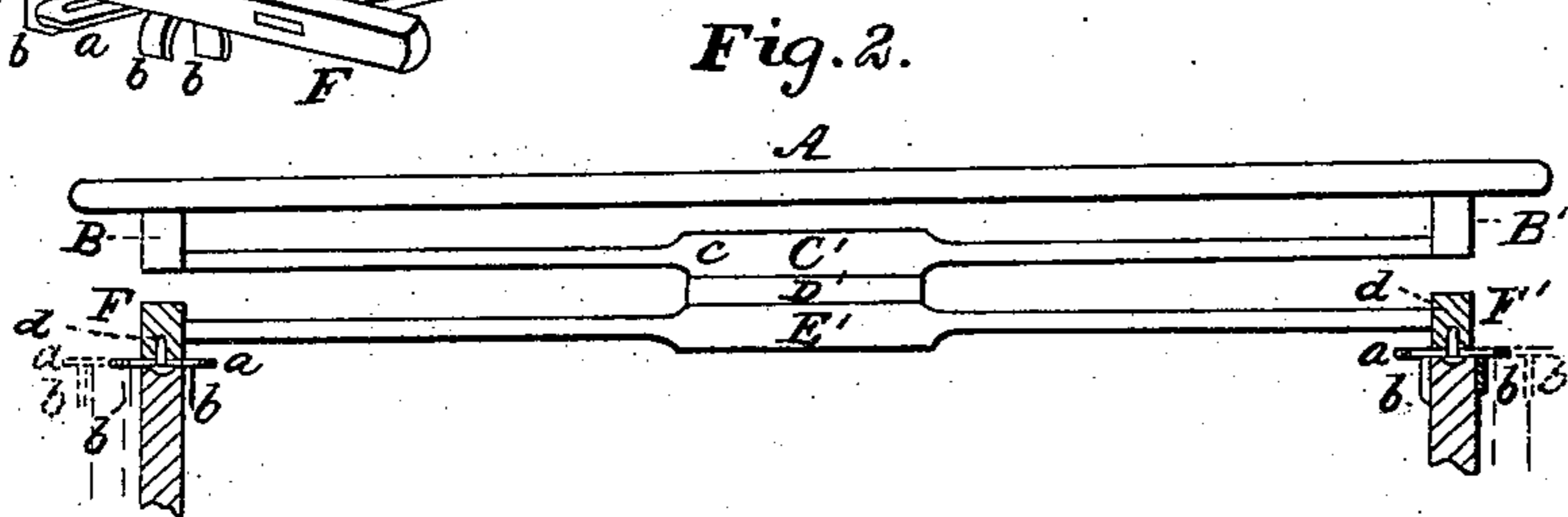
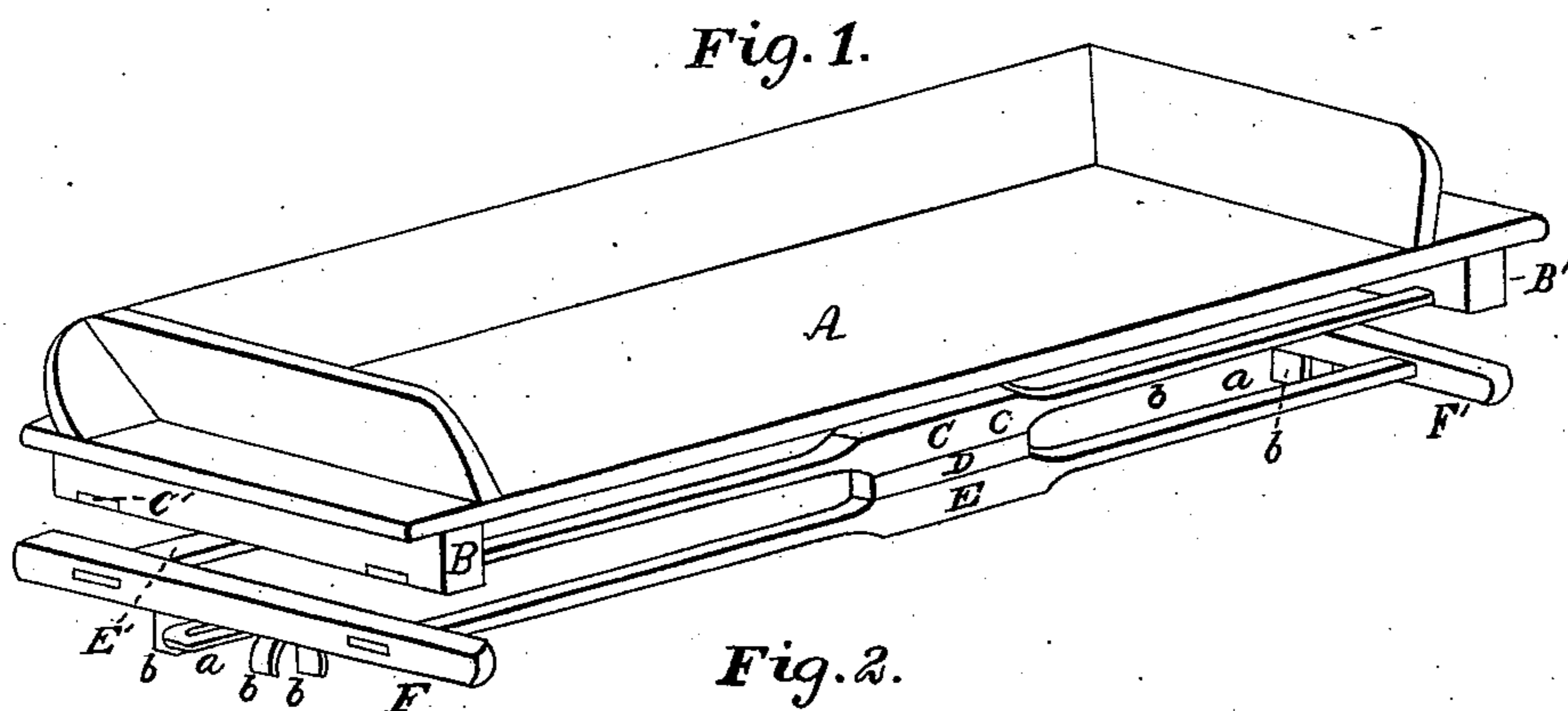


I. H. CHAPPELL.

Wagon Seat.

No. 87,026.

Patented Feb. 16, 1869.



Witnesses:

Samuel Smith  
Henry Thomas

Inventor:

Isaac H. Chappell  
By Alex. A. C. Maule,  
manager  
for Thos. S. Sprague



ISAAC H. CHAPPELL, OF DECATUR, ILLINOIS.

Letters Patent No. 87,026, dated February 16, 1869.

IMPROVEMENT IN WAGON-SEATS.

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, ISAAC H. CHAPPELL, of Decatur, in the county of Macon, and State of Illinois, have invented a new and useful Improvement in Wagon-Seats; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and use the same, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 is a perspective view of my improved wagon-seat;

Figure 2 is a partially-sectional end view of part of it; and

Figure 3 is a bottom view of the springs.

Figure 4 is a detached view of the manner of forming my improved clamp.

Like letters of reference indicate like parts in the several figures.

The nature of my invention consists in a peculiar and cheap construction of springs for wagon-seats, and also in a novel holdfast, by means of which to secure the same seat to different-sized wagons.

A, in the drawings, may represent the seat of a wagon, being secured on the cross-pieces B B', which again rest on springs C C', the centre of which is enlarged, as shown at c, which enlarged portions are fastened on blocks D D'.

These blocks D D' are supported by springs E E', similar to the springs C C', and also provided with enlarged central portions c', all of which are made of wood.

The ends of the springs E E' are secured in or to cross-pieces F F', to the under side of which are secured the holdfasts or clamps, which seize over and slide on the sides of the wagon or carriage, and hold the seat to the same.

These clamps consist of the slotted plates a, provided at their sides with downward projections b, which seize over the sides of the wagon.

A screw, d, having a large head, passes through the

slot in plate a, into the pieces F F', in such a manner that the plate a can, by loosening the screw d, be moved in or out, in a direction at right angles with pieces F F', and thus the same seat be made to fit narrower or wider wagons, as clearly shown in fig. 2.

I prefer to cut the clamp out of sheet-metal, in a form as shown in fig. 4.

Cuts e are made so as to form the plate a, which is provided with a slot, and the pieces f, thus formed, are bent up to form right angles, and form the clamps proper.

My improved wooden springs are especially adaptable for furniture and hire-wagons and country-carriages, all of which are subject to a considerable amount of jolting, and to which the seat is now commonly immovably fastened. They are durable, and constructed easily and cheaply, and by the improved clamp, I am not only enabled to provide a wagon-seat of the kind I have described, with springs, but can attach it to wagons of different width without the least trouble.

Having thus described my invention,

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

1. The straight wooden springs C C' and E E', with their enlarged central portions c c', in combination with the central blocks D D', when constructed, arranged, and operating substantially as and for the purpose herein set forth.

2. An adjustable clamp for adapting a wagon-seat to wagons of different widths, substantially as and for the purposes set forth.

3. The combination of the springs C C', E E', blocks D D', cross-pieces F F', and clamps a b, with a wagon-seat, substantially as and for the purposes set forth.

ISAAC H. CHAPPELL.

Witnesses:

J. D. W. GIDEON,

J. M. LOWRY.