

A. F. Sherman,

Hobby Horse.

N^o 76665.

Patented Apr. 14, 1868.

Fig: 1.

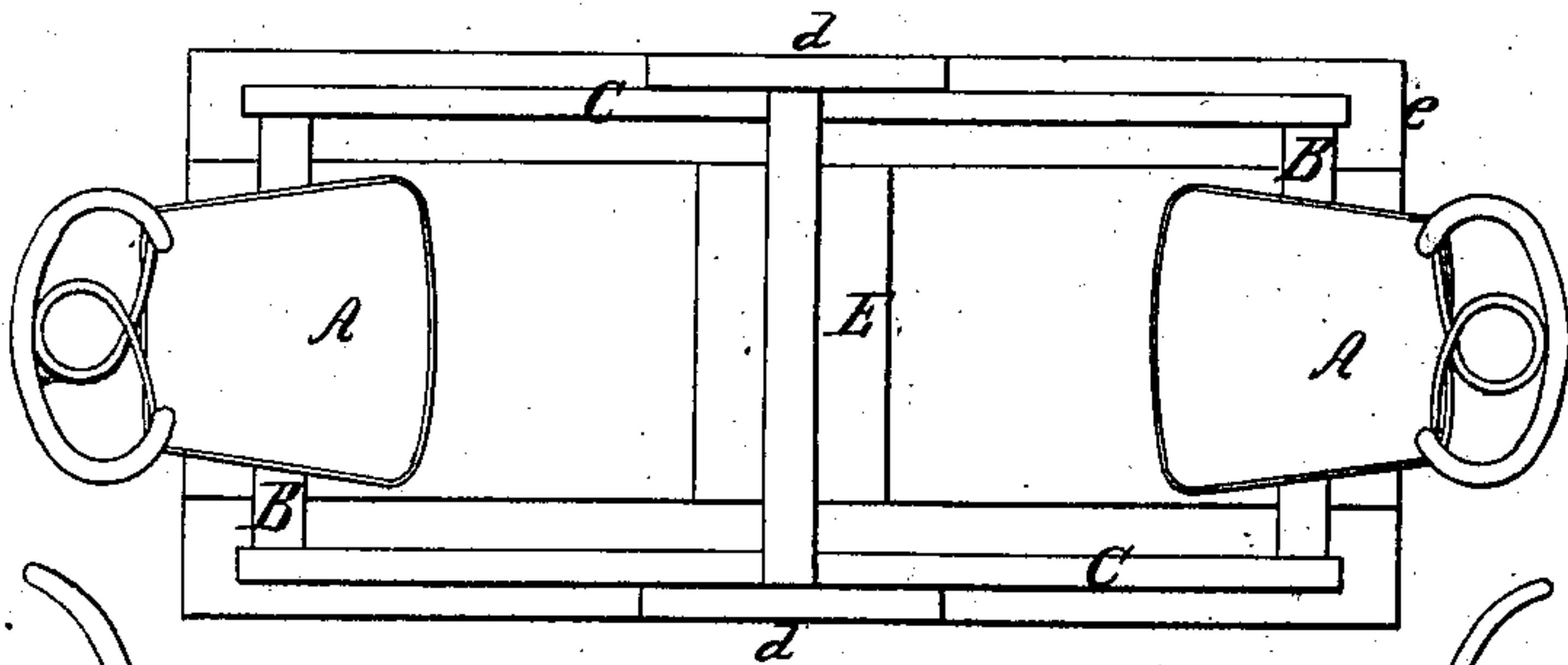


Fig: 2.

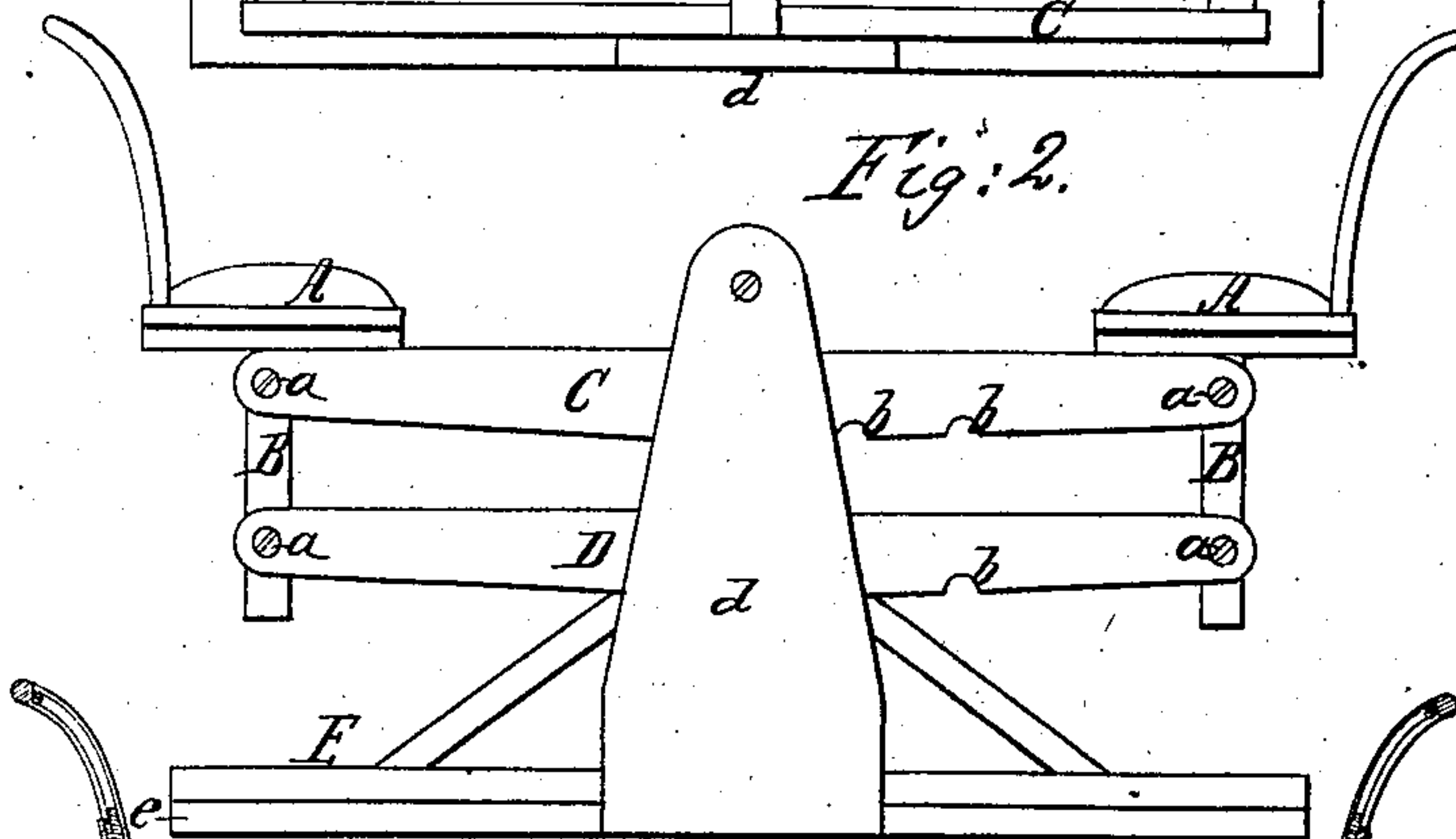
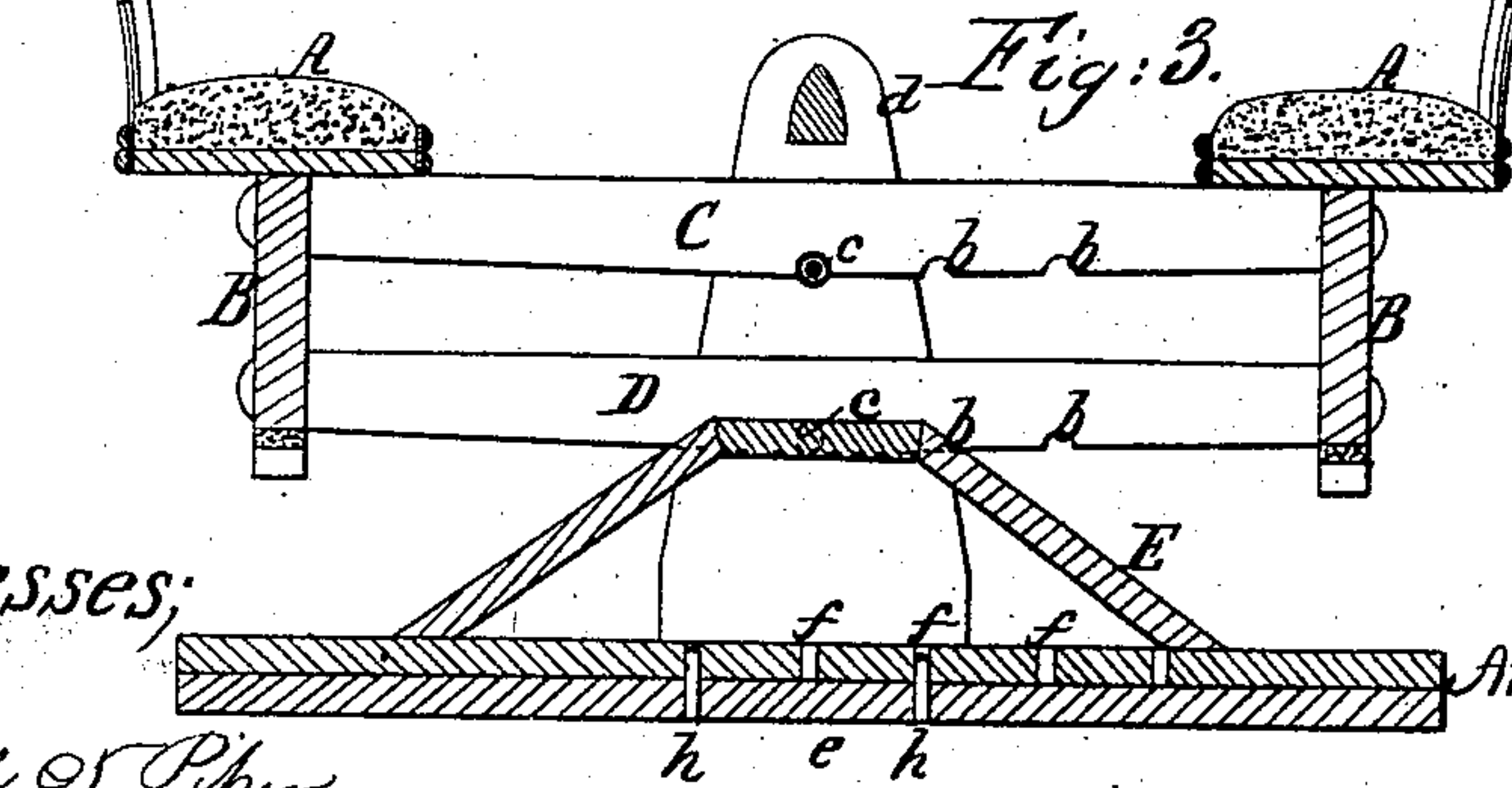


Fig: 3.



Witnesses;

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United States Patent Office.

AMORY F. SHERMAN, OF ROXBURY, MASSACHUSETTS.

Letters Patent No. 76,665, dated April 14, 1868.

SEE-SAW, OR TILTING-APPARATUS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, AMORY F. SHERMAN, of Roxbury, in the county of Norfolk, and State of Massachusetts, have invented a new and useful Tilt or Tilting-Apparatus, for the exercise and amusement of children or others; 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,

Figure 2 a side elevation, and

Figure 3 a longitudinal section of it.

The main purpose of my invention is to cause the seats of a "tilt" to remain in horizontal positions at whatever angle of inclination the tilt may take while in use.

In the drawings, A A denote two seats or chairs, fixed on the upper edges of two vertical boards, B B, such boards being joined by means of two sets of parallel bars, C C, D D, arranged against the ends of the boards, and connected thereto by screws or joint-pins, as shown at *a a*, each bar, at or near its ends, being so applied to the boards, and being capable of turning on such screw or joint-pin.

The several bars have notches formed within their lower edges, as shown at *b b b*, in the drawings, such notches being to receive pins or screws, *c c*, projecting from two posts or standards, *d d*, extending vertically from a base-board, *e*.

On the said base-board there is placed a double-inclined plane foot-rest, E, formed as represented in the drawings. A series of holes, *fff*, made in the bottom board *g* of the foot-rest, enables such rest to be adjusted lengthwise, with reference to the chairs, and upon studs *h h* extended up from the base-board, such studs serving to hold the foot-rest in place on the base-board after any such adjustment of the said foot-rest.

To the lower edge of each of the boards B B, an anti-concussion buffer or block or piece of India rubber, or its equivalent, is fixed, the same being for the purpose of relieving the tilt from the effects of sudden jars, when the tilt may bring up against the bottom board of the foot-rest.

The notches in the parallel bars are to enable the series of them, with the chairs, to be moved on the supporting pins, so as to adjust the leverage to the weights on the chairs, when two persons of different weights may be sitting on them.

This tilt, while in operation, will cause the seats or chairs to maintain their horizontal positions.

What I claim as my invention, is—

The combination of the tilt-seats or chairs, and a means, substantially as described, of maintaining them in horizontal positions, while the tilt may be in action.

I also claim the parallel tilting-bars, as made with notches, or equivalents, in their lower edges, as and for the purpose described.

I also claim the arrangement and combination of the adjustable double-inclined plane foot-rest, with the seats or chairs, and the tilting parallel-motion bars and boards applied to such chairs and standards, as explained.

I also claim the combination and arrangement of the anti-concussion buffers with the tilt, as described.

AMORY F. SHERMAN.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.