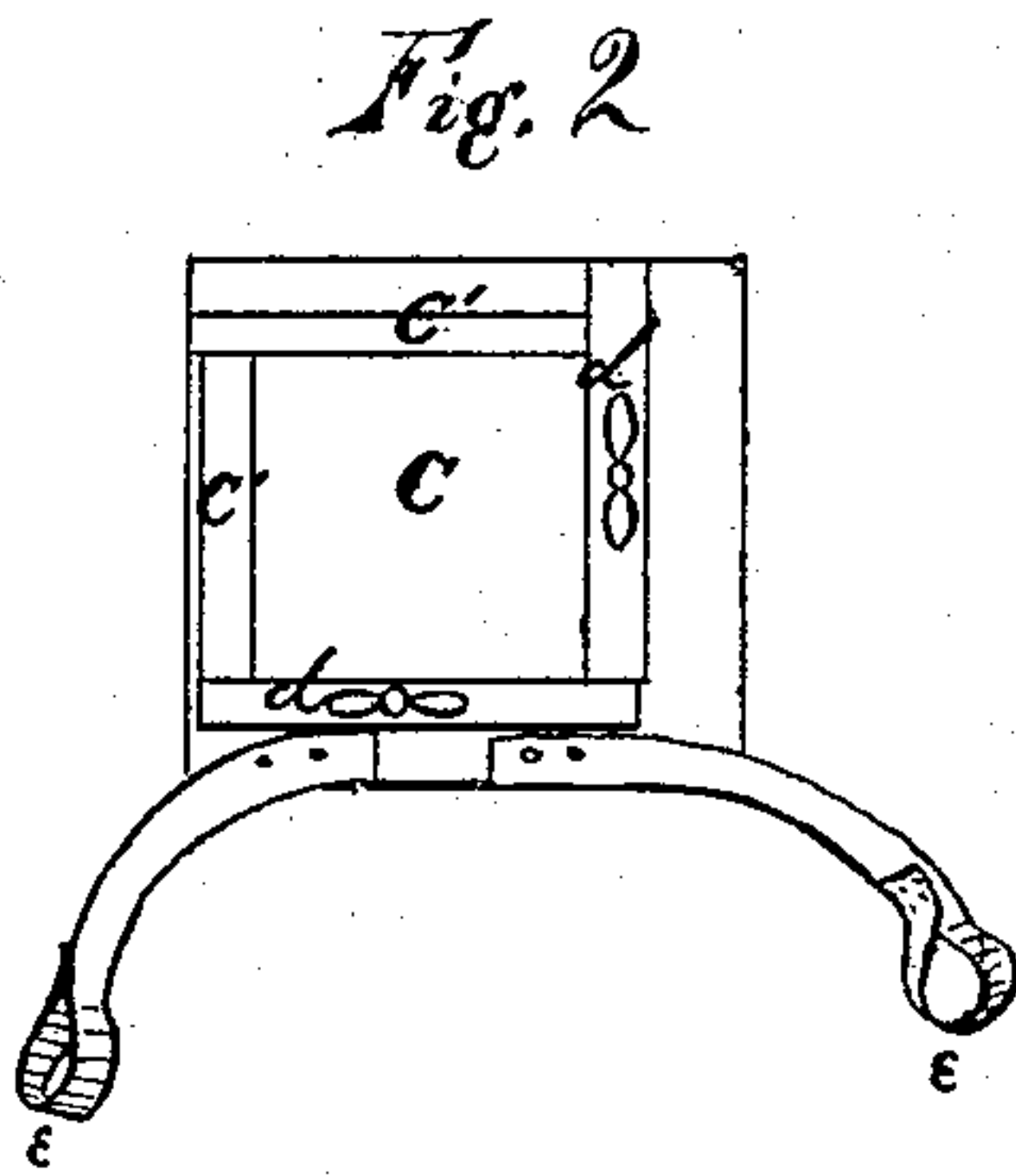
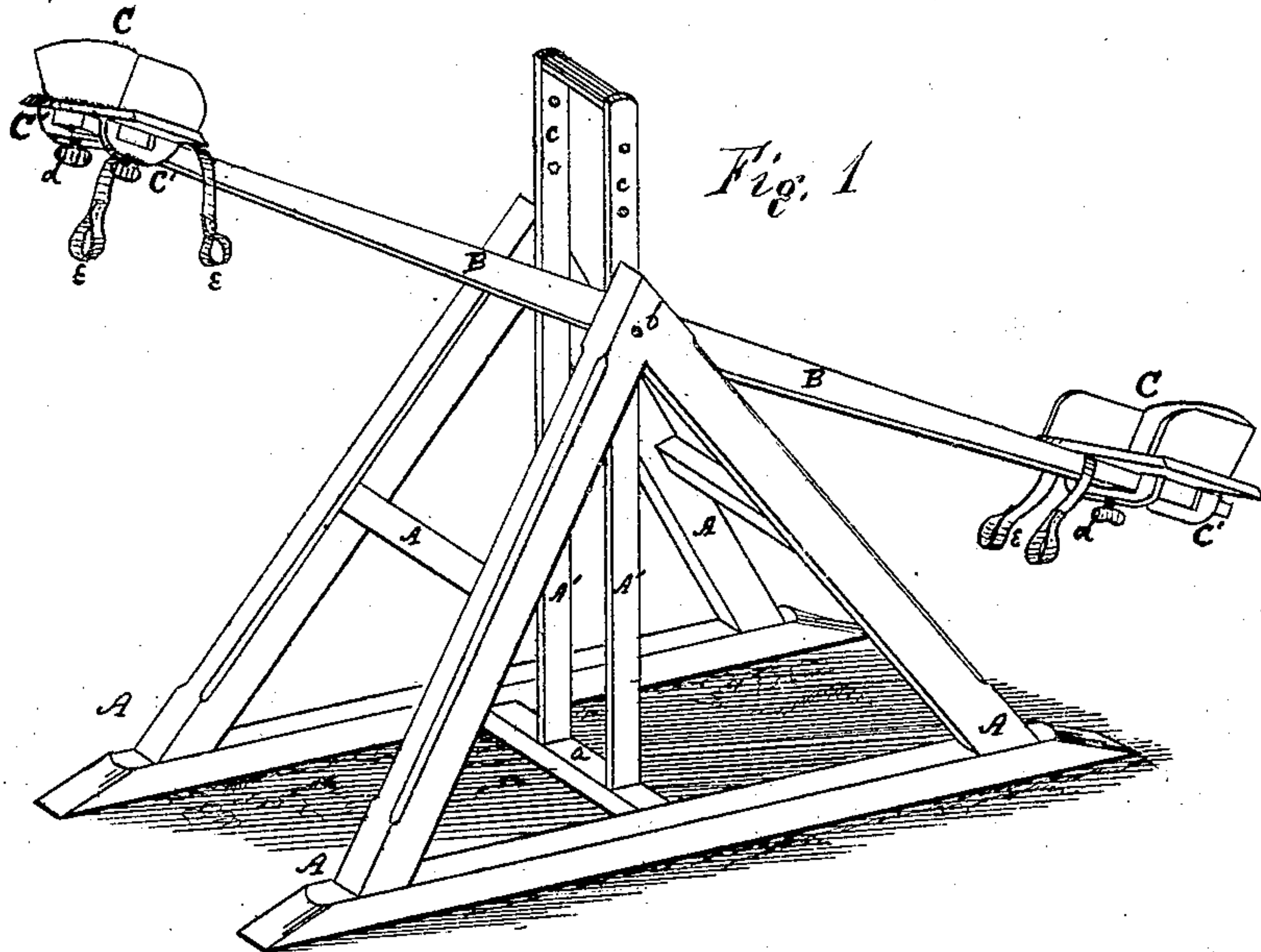


G. J. SMALE.  
Tilting-Machines.

No. 135,250.

Patented Jan. 28, 1873.



Witnesses

George A. Bowers.  
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# UNITED STATES PATENT OFFICE.

GEORGE J. SMALE, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN TILTING-MACHINES.

Specification forming part of Letters Patent No. 135,250, dated January 28, 1873.

*To all whom it may concern:*

Be it known that I, GEORGE J. SMALE, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Portable Seesaws, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming a part hereof, and in which—

Figure 1 represents an isometrical perspective of my improved portable seesaw, and Fig. 2 a bottom view of one of the adjustable seats.

My invention consists of seats constructed in the manner hereinafter described, and adjustably attached to a balancing-bar arranged upon a suitable support.

In the drawing, A A' represent the supporting-frame. A' A' are perforated upright bars forming a part of the frame. B is the balancing-beam, and C C are seats adjustable thereon. The frame A A' is made so as to stand firmly on the ground or floor, and the upright bars are braced either by being set in mortises in a cross-beam of the frame, as shown at *a*, or by means of a rod or bolt passing through the frame and upright bars, as shown at *b*, or in both of these ways, as shown in Fig. 1. The balancing-bar is supported by the rod or bolt *b*, which may be passed through any of the perforations *c* in order to support the beam at any desired height; or a second rod or bolt may be employed for this purpose,

and the bolt *b* remain in the position shown so as to more effectually support the upright bars. The seats C C are provided with slotted cross-bars C' C', so that they may be adjusted upon the balancing-beam in such a manner that persons of different weight may balance each other, and sit either astride the beam or sidewise. *d d* are set-screws entering the slotted bars C' C', so that the seats may be retained in any position upon the balancing-beam. *e e* are stirrups attached to the seats.

The frame is so constructed and arranged together that it may be readily set up and taken apart; the seats are removable from the balancing-beam, and the latter detachable from the frame. By this means the whole device is readily portable, and, by reason of its adjustability, it may be used by children of various ages, and either in the parlor or doorway.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The seats C C, constructed substantially as described, and adjustably attached to the balancing-bar B, arranged upon a suitable support, substantially as and for the purposes specified.

GEORGE J. SMALE.

Witnesses:

N. C. GRIDLEY,  
F. F. WARNER.