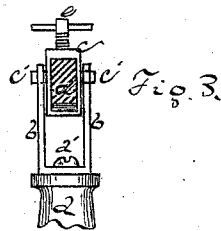
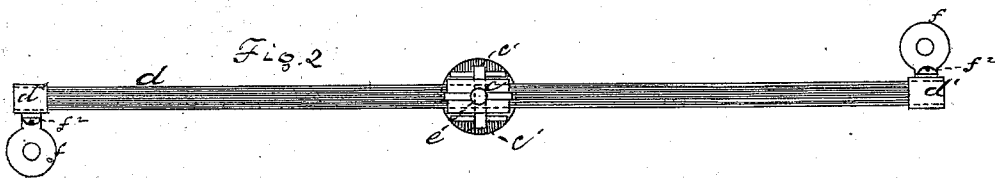
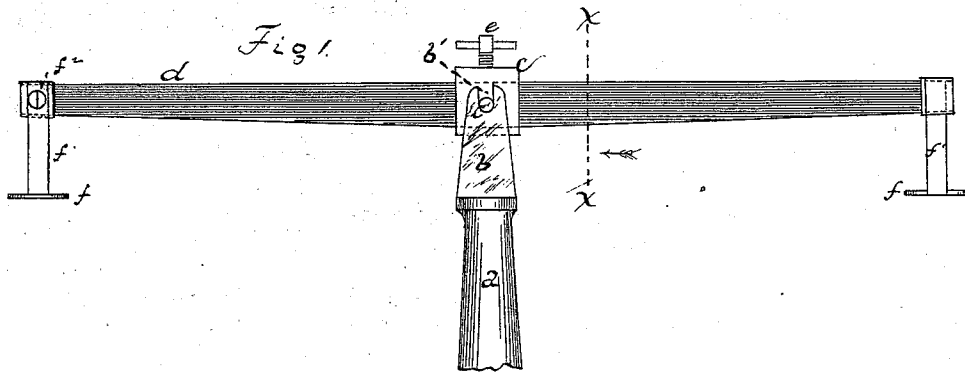


N. J. EATON.
Saw-Saws.

No. 149,847.

Patented April 21, 1874.



Witnesses

John Pollitt.
N. J. Eaton.

Inventor

N. Joseph Eaton.
By Wm. Edgar Simonds,
att'y.

UNITED STATES PATENT OFFICE.

N. JOSEPH EATON, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN SEESAWS.

Specification forming part of Letters Patent No. **149,847**, dated April 21, 1874; application filed March 13, 1874.

To all whom it may concern:

Be it known that I, N. JOSEPH EATON, of Hartford, Hartford county, Connecticut, have invented certain new and useful Improvements pertaining to Seesaws, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a side view of a seesaw embodying my said improvements. Fig. 2 is a top view of the same. Fig. 3 is a view of the same in cross-section on the plane denoted by the dotted line *x x*, looking in the direction indicated by the arrow.

The invention is an apparatus whereby the lever or teeter can be adjusted longitudinally so as to balance persons of different weights, and having seats so pivoted to the ends of the lever as to remain level during the oscillations of the lever.

The letter *a* indicates a supporting-post firmly set on its base, on the top of which is fastened, as by screw *a'*, a socket-piece, *b*, having a horizontal base and two side up-rights. This socket-piece is, by preference, of cast metal. In the tops of the two side up-rights are sockets or bearings *b'*. The letter *c* indicates a mortised block, preferably of cast metal, having two trunnions, *c'*, on the sides, fitting into the bearings or sockets *b'*. Through the mortised block *c* is inserted the lever *d*, there being a screw, *e*, running through the top of the mortised block and bearing on the lever, whereby the lever is secured in place

in the mortised swing-block *c*. The lever can be adjusted longitudinally in the swing-block *c*, and thus made to balance for two persons of different weights. To each end of the lever is pivoted a seat, *f*, depending by an arm, *f'*, swinging on the pin or screw *f''*, driven through into the lever, the ends of which are shod with metal bands *d'*.

I have shown the seats *f* as being flat. They can be made thus, or fashioned so as to partially embrace the person, like the seats of mowing-machines; or the seat proper can be made separate, of any desired pattern, and screwed or otherwise fastened to the flat seats *f*. The two seats are pivoted upon opposite sides of the lever, so that there may be no tendency to turn the lever over upon one side.

I claim as my invention—

1. The combination of the socket-piece *b*, having bearings *b'*, the swing-block *c*, having trunnions *c'*, the screw *e*, and the lever *d*, all constructed, arranged, and designed to operate substantially as described.

2. The combination of the tilting lever *d* with the seats *f*, depending from and pivoted to opposite sides of the lever, substantially as described.

N. JOS. EATON.

Witnesses:

WM. EDGAR SIMONDS,
JOHN POLLITT.