

M. Stephan,

Baby Sumpster.

No. 100083.

Patented Feb. 22. 1870.

Fig. 1.

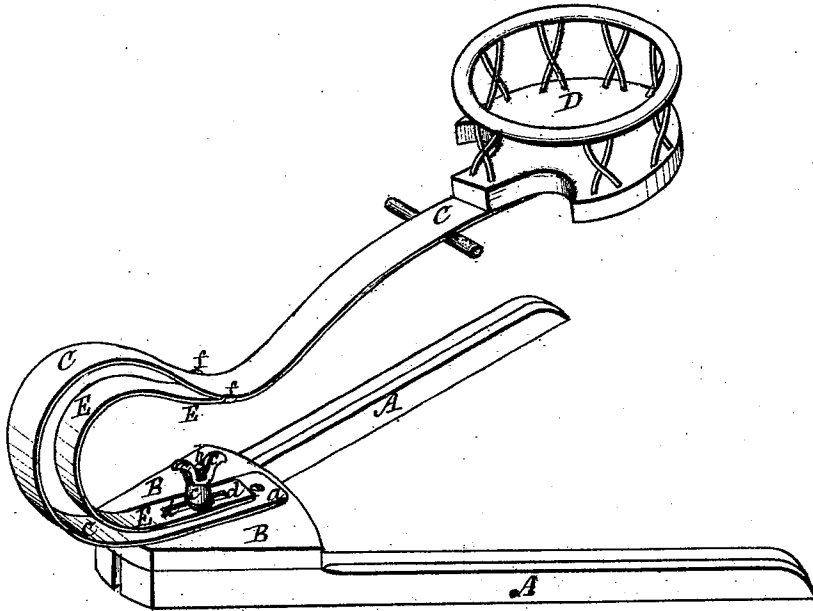
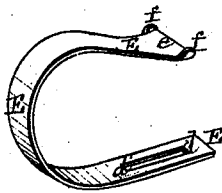


Fig. 2.



Witnesses
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United States Patent Office.

MATHIAS STEPHAN, OF CANTON, OHIO.

Letters Patent No. 100,083, dated February 22, 1870.

IMPROVED SPRING-CHAIR FOR CHILDREN.

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, MATHIAS STEPHAN, of Canton, in the county of Stark, and State of Ohio, have invented certain new and useful Improvements in Baby-Jumpers, or Children's Spring-Chairs or Seats; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 represents a perspective view of the jumper or chair complete, and

Figure 2 represents an auxiliary or adjustable fulcra spring for regulating the elasticity of the main plate-spring to the weight it is designed to carry.

My invention consists in combining with a bent plate-spring, upon the free end of which a chair, seat, cradle, or other contrivance for holding a child, is placed, an adjustable fulcra-spring, for regulating the tension of the plate-spring to the weight to be carried by it.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

A frame or base-piece, A, is first provided, that will be firm enough to resist the weight and strain upon it without tipping over or upsetting.

A frame of a V-form answers a very good purpose.

Upon the head B of this frame is fastened one end, *a*, of a bent spring, C, which, first curving upward and forward, is then turned rearward, and upon its extreme rear portion carries a chair, D; or, instead of a chair, a cradle, or any other thing on or in which a child may sit or lie.

Under the bend or curve of this plate-spring C there

is arranged an auxiliary adjustable fulcra-spring, E, which is held to the base-piece A by a clamp-screw, *b*, and thumb-nut *c*, said screw passing through a slot, *d*.

This spring E may be curved to correspond in a general way to the curve of the plate-spring, within or under which it is placed.

The upper end of the spring E has upon it a palm, *e*, upon which the plate-spring rests, and turned-up guides or lugs *f f*, for holding itself to and under said plate-spring.

When the tension of the plate-spring is to be regulated or adjusted to the weight of the child or person who for the time being uses the chair, cradle, or seat, the thumb-nut *c* is run up, the spring E freed, and then, by moving it forward or back, the plate-spring is made more or less elastic or flexible, the so moving of said spring changing the fulcra of the plate-spring, but upon an elastic point or medium, the palm of the auxiliary spring being upon its free end, and receiving and supporting the plate-spring there.

Having thus fully described my invention,

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

In combination with the plate-spring C, the auxiliary and adjustable fulcra-spring E, for the purpose of regulating the tension of said plate-spring to the weight to be carried by it, substantially as described and represented.

MATHIAS STEPHAN.

Witnesses:

LEM. SLUSSER,
JOHN M. MYERS.