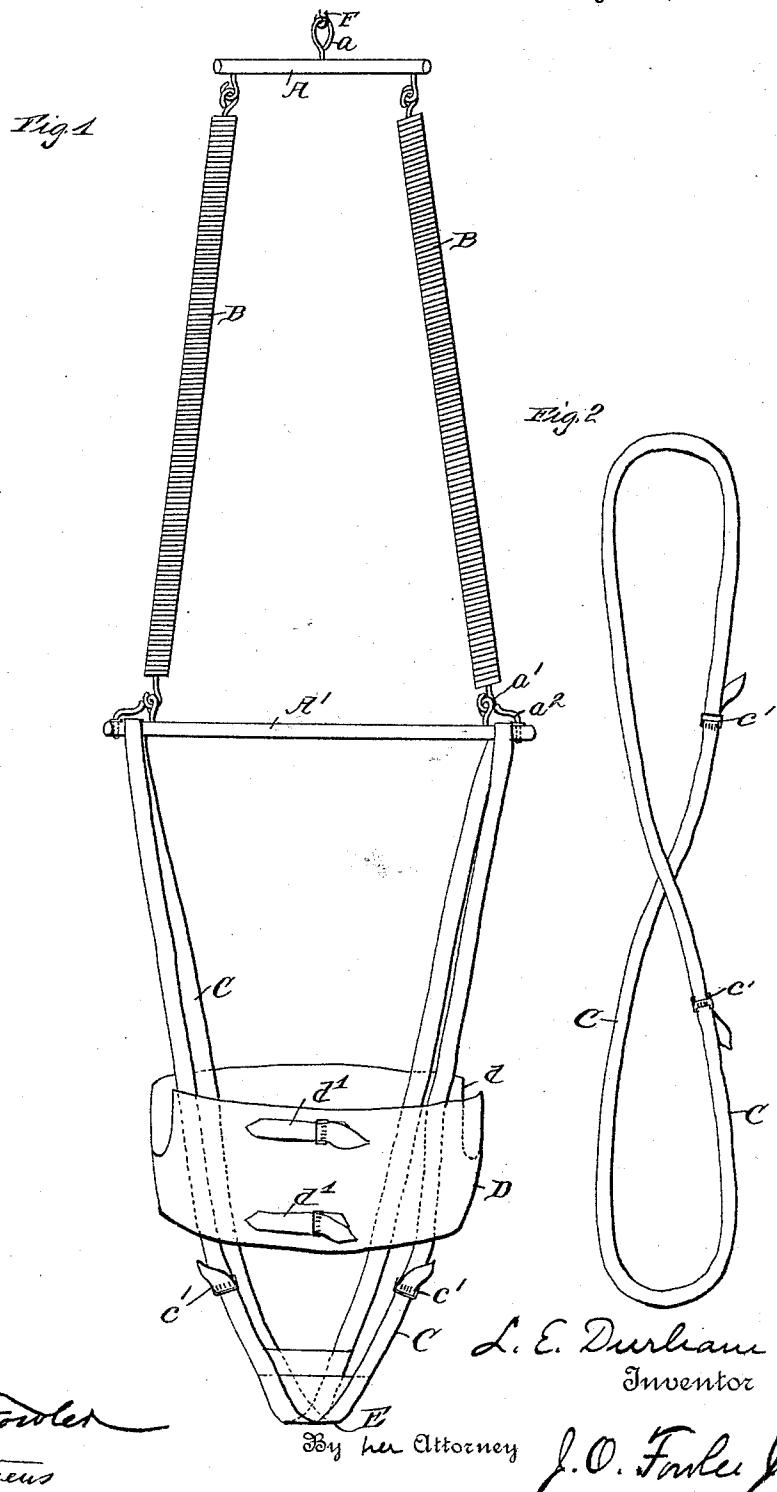


(No Model.)

L. E. DURHAM.
BABY JUMPER.

No. 452,998.

Patented May 26, 1891.



Witnesses

M. M. Fowler
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By her Attorney

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UNITED STATES PATENT OFFICE.

LILLIE E. DURHAM, OF BROOKLYN, NEW YORK.

BABY-JUMPER.

SPECIFICATION forming part of Letters Patent No. 452,998, dated May 26, 1891.

Application filed February 5, 1891. Serial No. 380,389. (No model.)

To all whom it may concern:

Be it known that I, LILLIE E. DURHAM, a citizen of the United States, and a resident of Brooklyn, Kings county, and State of New York, have invented a certain new and useful Improvement in Baby-Jumpers, of which the following is a specification.

My invention relates to that class of articles ordinarily designated as "baby-jumpers," and has for its object the provision of a light portable jumper for children which can be readily applied and removed and folded compactly up and put away when not needed, and which is simple in construction, inexpensive in manufacture, and reliable, safe, and beneficial in its effects in practical use.

To attain the desired end, my invention consists in the construction and arrangement of parts shown, described, and pointed out in the claims.

In the drawings which form a part of this specification, Figure 1 represents a perspective view of an article constructed according to my invention, and Fig. 2 is a detail view, reduced in size, of my flexible supporting-strips.

Like letters of reference wherever they occur indicate corresponding parts in both the views.

Two horizontal cross-bars A A' are connected by intermediate steel springs B, the upper bar A being preferably about one-third the length of the lower one A', the said springs being secured to the two bars near the respective ends thereof. Placed at the ends of the longer bar A' are two guard-hooks a^2 , between which and the ends a' of the coiled springs B a small space is provided for the insertion therein of the flexible strip C. The extremities of this strip C are connected, as by a buckle c' , a loop thus being formed, as shown in Fig. 2. This loop is given a half-twist, and the two ends thereof are passed over and caught upon the bar A' between the springs B and guard-hooks a^2 , as before stated. A narrow strip or saddle-piece E is placed at the lowest point of the depending strip C, where the parts of the loop cross each other on account of the half-twist in the same, and at a suitable distance above the saddle

is located the adjustable wide band D, the ends of which are secured together by buckles d' . This wide band D is adapted and arranged to encircle and support the body of the child, and is ordinarily provided with recessed portions d , located on opposite sides of the same and adapted, upon being placed under the arms of the baby, to sustain a portion of the weight of the child.

In practical use the saddle-piece is passed between the child's legs, the length of the strip C is adjusted by the buckle c' , and the wide band D is fitted snugly around the body, in order to firmly support the back of the child. My appliance may be sustained by a hook in the ceiling or by any other suitable support, and the cord F, by which it is suspended, may be adjusted any required length, so that the toes of the child may just touch the floor. The legs and arms are thus left free, and the child in jumping and throwing out its arms will exercise and develop the various muscles, thereby strengthening and invigorating the whole system.

There is no possibility of any injury happening to any child by the use of this apparatus, as by using the guard-hooks a^2 there is no possibility of the supporting flexible strip C becoming accidentally detached from the cross-bar A', and by a proper adjustment of the cord F any undue strain will be removed from the child's legs, thus preventing any danger of the same becoming bowed.

My appliance may also be used as a hanging chair or as a swing, and after use, when no longer needed, it may be readily removed and compactly folded up, if desired.

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

1. In a baby-jumper, a wide band adapted and arranged to support the body and arms of a child, in combination with a flexible supporting-strip crossed and provided with a depending saddle-piece, substantially as described.

2. In a baby-jumper, a wide band adapted and arranged to support the body and arms of a child, in combination with a flexible supporting-strip crossed and provided with a de-

pending saddle-piece and with a horizontal bar provided near its extremities with guard-hooks, whereby the flexible strip cannot become detached from the bar, and with another bar and intermediate coiled springs, substantially as described.

5 In testimony of the foregoing specification

I do hereby sign the same, in the city of New York, county of New York, and State of New York, this 8th day of January, A. D. 1891.

LILLIE E. DURHAM.

Witnesses:

Wm. M. V. FOWLER,

J. ODELL FOWLER.