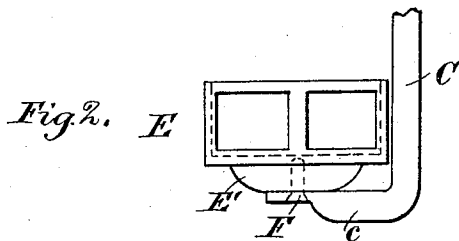
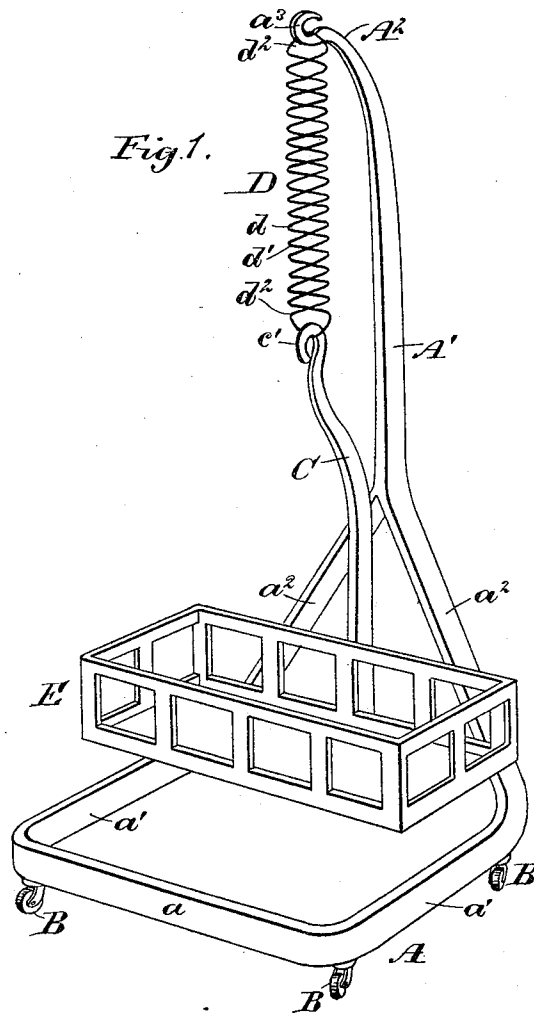


(No Model.)

C. L. BARNHART.
BABY JUMPER.

No. 459,670.

Patented Sept. 15, 1891.



WITNESSES:

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CLARENCE L. BARNHART, OF FLINT, MICHIGAN.

BABY-JUMPER.

SPECIFICATION forming part of Letters Patent No. 459,670, dated September 15, 1891.

Application filed April 22, 1891. Serial No. 389,973. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE L. BARNHART, of Flint, in the county of Genesee and State of Michigan, have invented a new and Improved Baby-Jumper, of which the following is a full, clear, and exact description.

The object of the invention is to provide an efficient spring-actuated baby-jumper simple and durable in construction and effective in operation.

The invention consists in the novel construction and combination of parts, as hereinafter particularly described, and defined in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of a baby-jumper embodying my invention and Fig. 2 is a detail end view of the crib and a portion of its supporting-hanger.

In constructing a baby-jumper embodying my invention I provide a base A of skeleton form, comprising a front bar *a* and the side bars *a'*, the same being provided with a suitable number of casters B to enable the jumper to be readily moved from place to place, as desired. At the rear end the side bars *a'* of the base A are projected upwardly and inwardly, as at *a²*, the upper meeting ends being welded or riveted to and serving to support a standard A'. At its upper end the standard A' extends forwardly to form the overhanging arm A², the extreme outer end of which lies in about the horizontal plane and terminates in an eye or a hook *a³*. From the outer end of the arm A² as thus formed the hanger C, having an eye *c'* at its upper end, is suspended through the medium of a spring D of novel construction, the crib E being held on the horizontally-ranging lower end *c* of the hanger C.

The crib E is preferably made of light or

thin material, and that it may be thus made the connection with the arm *c* is effected through the medium of a screw or screws F, passing through a block E', or an equivalent enlargement, interposed between the arm *c* and the bottom of the crib, the said block or its equivalent thus serving to strengthen the connection at the point of strain.

The spring D is of the spiral variety and is formed of two strands of wire *d d'*, the terminals of which are joined to form loops *d²* at the ends of the spring, which engage the eye *a³* of the standard and the eye *c'* of the hanger. With this form of spring increased strength and increased elasticity is obtained, and the crib will be kept in motion for an increased length of time.

The casters B on the base enable the jumper to be moved about with ease, and the whole structure is light, durable, and efficient and involves a comparatively small cost in its manufacture.

By the term "crib" as herein used I mean any device for holding or supporting the child, such as a chair, a frame, or straps for holding the child.

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

In a baby-jumper, the base A, having the front cross-bar *a* and having its side arms *a'* continued inwardly and upwardly to form the standard A', the said standard overhanging at its upper end, as at A², a spiral spring D, suspended from said overhanging end, a hanger-arm C, suspended from said spring and formed with a rigid horizontal seat which extends and is supported at one side of said hanger-arm, and a crib E, secured to said horizontal seat, all in combination substantially as described.

CLARENCE L. BARNHART.

Witnesses:

E. M. CLARK,
F. W. HANAFORD.