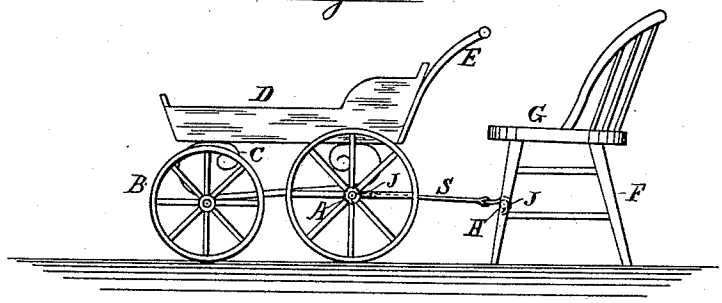
(No Model.)

G. B. ADAMS.

CHILD'S CARRIAGE VIBRATOR.

No. 302,680. Patented July 29, 1884.

Fig. 1.



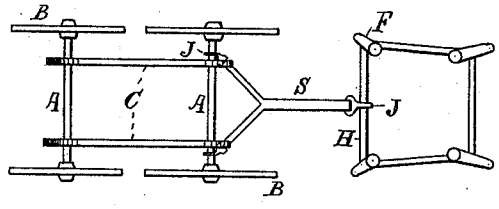


Fig. 2.

Fig. 3.

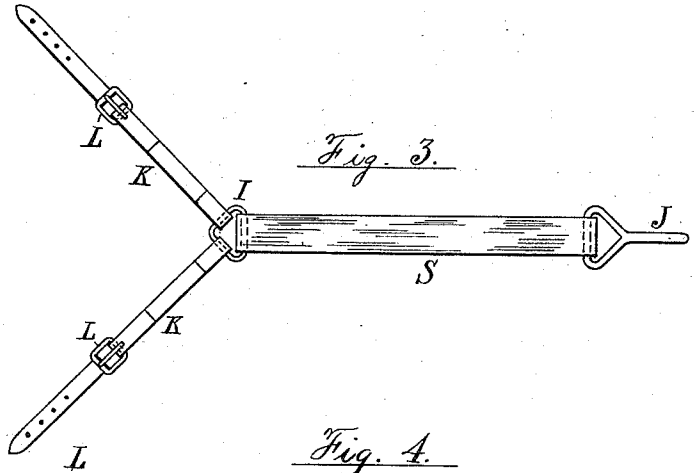


Fig. 4.

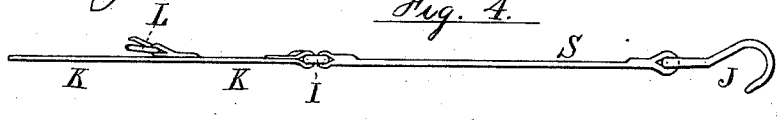




Fig. 5.



Fig. 6.

Attest:

Ls. D. Crane.

W. F. D. Crane.

Inventor.

Geo. B. Adams, per

Thos. S. Crane, atty.

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

GEORGE B. ADAMS, OF NEWARK, NEW JERSEY, ASSIGNOR TO EZRA MARSH, OF SAME PLACE.

CHILD'S CARRIAGE VIBRATOR.

SPECIFICATION forming part of Letters Patent No. 302,680, dated July 29, 1884.

Application filed September 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. ADAMS, a citizen of the United States, residing in Newark, in Essex county, New Jersey, have invented certain new and useful Improvements in a Child's Carriage Vibrator, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

This invention consists in the combination, with a wheeled vehicle, of an elastic strap arranged and operated to secure the vehicle elastically to the seat of the operator. Such elastic straps have been used heretofore in connection with baby-jumpers, or equivalent suspended carriages, but in all such cases the vehicle was not supported upon the floor or ground, as in my invention, and therefore required a firm and safe support above the floor. As such a support could not be usually provided without portable framing, or the application of mechanical skill and proper fixtures, the use of such suspended carriages or baby-carriers has been exceedingly limited. It is also obvious that any suspended carrier is necessarily limited in its use to some spot where the suspending devices are attached, while the combination of the elastic strap, with a vehicle resting upon a level support affords the means of securing the same elastically to any fixed object near the seat of an operator, and of rolling the vehicle to and fro without being restricted to any particular spot. My invention also differs from others in not being operated by the inmate of the vehicle, but in being pushed to and from the operator in a seated position.

The object of the invention is to provide a means of vibrating or rolling the carriage to and fro by the foot of the operator when seated, thus leaving the hands of the operator disengaged for work or other purposes. As it is customary to thus vibrate the carriage with the hands when the operator is tired of walking and desires to be seated, it will be seen that my invention furnishes a convenient means of attaching the carriage by an elastic connection to the leg or rung of a chair or other object, near the seat of the operator, and thus drawing it toward the latter when pushed by the operator's foot alternately back and forth. The elastic connection may be constructed and applied to the carriage in several modes, three of which are shown in the annexed drawings, in which—

Figure 1 is a side elevation of a chair connected with a child's carriage by my invention. Fig. 2 is a plan of the same with the parts above the connecting-strap removed. Fig. 3 is a plan of the elastic strap and its fastenings enlarged, the construction being somewhat different from that shown in Figs. 1 and 2. Fig. 4 is an edge view of the strap, as shown in Fig. 3; and Fig. 5 is a plan of a strap of still another construction, an edge view of one end of the same being shown in Fig. 6 as looped around a carriage-axle, A.

In the child's carriage, A are the axles; B, the wheels; C, the springs; D, the body, and E the handle. In the chair, F are the legs; G, the seat, and H the rungs.

In Figs. 3 and 4, I is a metallic eye or link for connecting the elastic strap with its fastenings. S is the elastic strap, as in all the views. J is a hook at one end of the strap, to catch upon a fixed object. K K are two leather straps attached to one end of the strap S by the triangular link, I; and L L are buckles provided on the strap to secure the ends to the carriage.

In Figs. 5 and 6 the strap is shown provided at each end with a loop of cord, T, which can be attached to the axle A by a slip-knot or noose, as shown in Fig. 6, or slipped under one leg of a chair, or over any fixed projection near the same, as may be found convenient.

The elastic strap S is shown of flat form, as when made of india-rubber; but it may be made of coiled wire or any suitable elastic material. In Fig. 1 the strap is shown provided with hooks J at both ends, and the strap forked next to the carriage, so that the pressure of the foot could be applied to the axle between the ends K K, and the carriage pushed without pressing it at all sidewise. The ends of the strap upon the chair-rung H and axle A are all provided with hooks, which can be readily attached and detached; but the construction shown in Figs. 3 and 4 is adapted to secure the strap to the carriage in such a man-

ner that it may be always ready for use. For this purpose the strap S is provided with the link I, into which the leather straps K are riveted or sewed, and the latter provided with the buckles L at a suitable distance from the ends, so that the free ends of the straps K can be looped around the axle A and secured in the buckles. The strap thus becomes attached to the carriage as a fixture, and when not in use can be hooked or held up by securing the hook J, at the free end, upon any convenient point in the carriage. The strap is shown attached to the rear axle of the carriage in the drawings, but may be as well attached to the front one, and the occupant of the carriage be thereby kept in sight of the operator.

The strap or spring may be riveted to the carriage or its axle, if preferred, and the fastening thus be made permanent. If provided with a strap and buckle at each end, it may be fastened across the front of the seat to hold the child in when in motion. I am fully aware that an elastic strap is in use as a door-spring, and for analogous purposes, and that such straps have been combined with the top or sides of a baby-jumper to hold or suspend the same elastically.

I do not claim it as new to use an elastic strap in such a combination. I have, however, shown how such a device can only be used at some point when a suspending device has been provided, while my combination is movable to any point, and can be readily put into use wherever the operator desires to be seated for the purposes described. I therefore disclaim the combination of an elastic strap with a vehicle or carrier requiring suspension, and restrict it exclusively to the combination with a wheeled and portable vehicle and a fixed point to which the strap can be attached.

Having thus distinguished my invention from others in which such a strap has been used, I claim the same as follows:

The combination, with the wheeled vehicle, of the elastic strap constructed as herein shown and described, and provided with fastenings, as described, adapted to attach it to a fixed object, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE B. ADAMS.

Witnesses:

ROBERT H. VREELAND,

GEO. B. NEWTON.