

(No Model.)

F. E. LYON.
BABY JUMPER.

No. 420,948.

Patented Feb. 11, 1890.

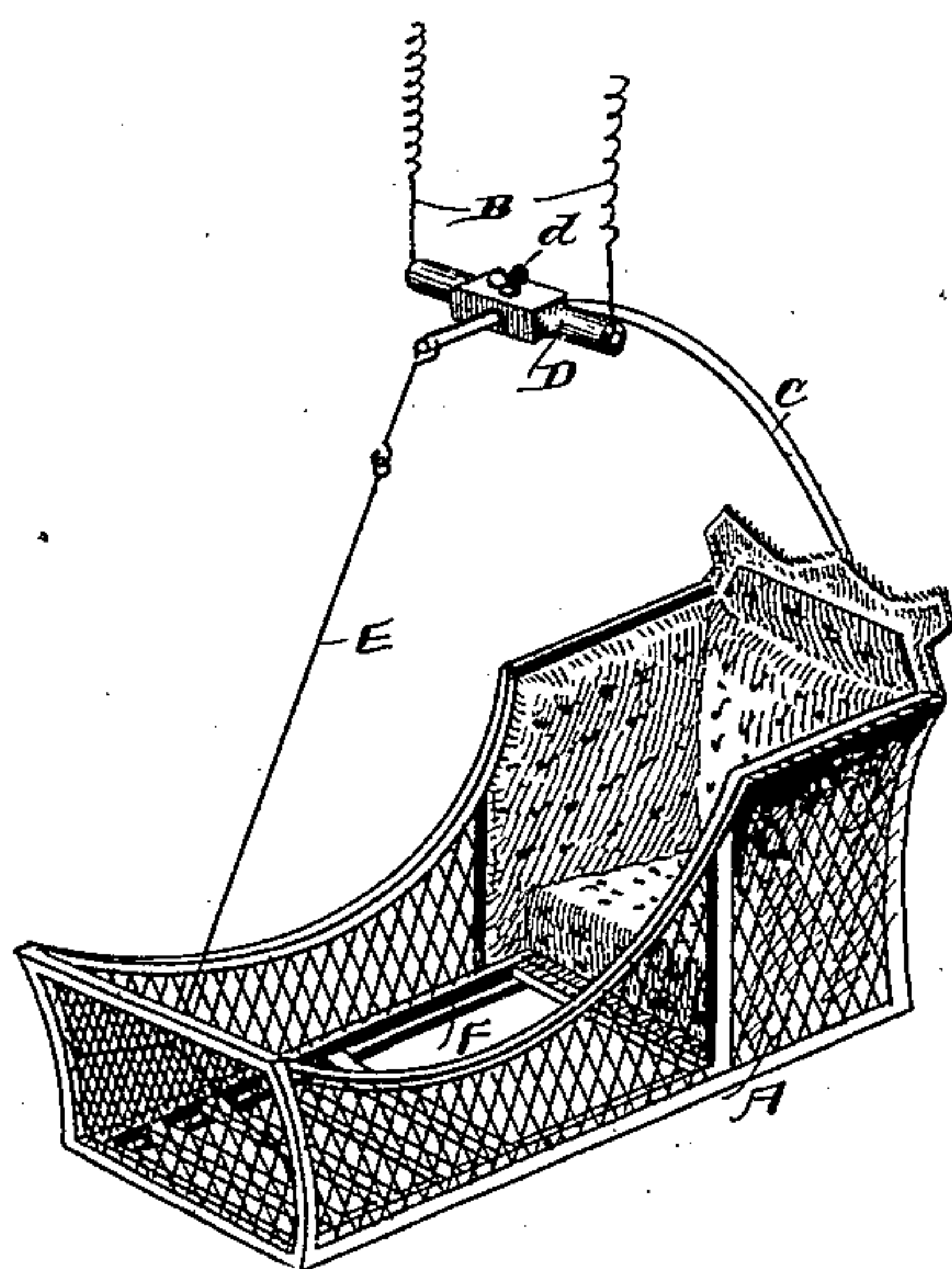


Fig. 1.

Fig. 3.

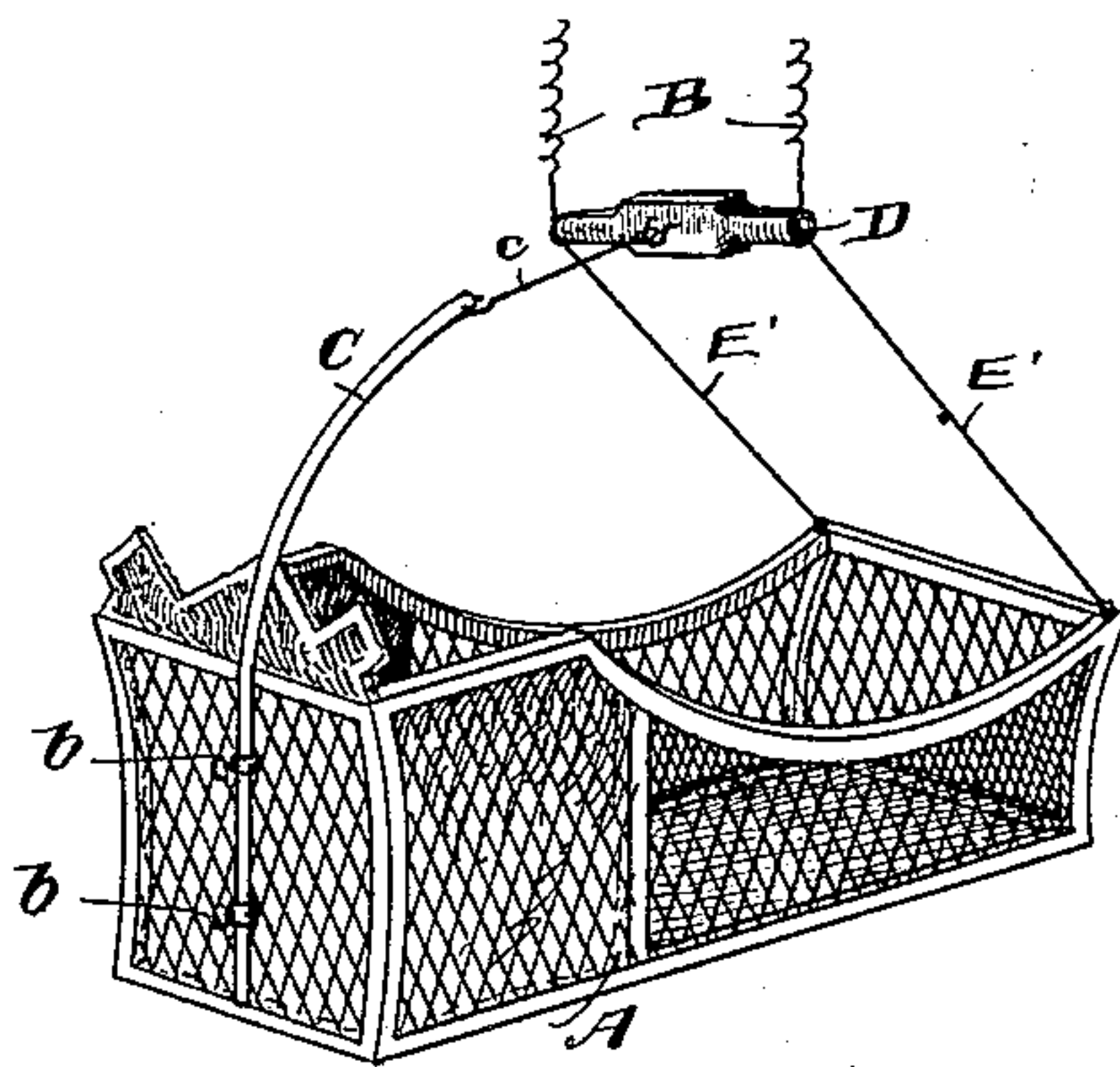
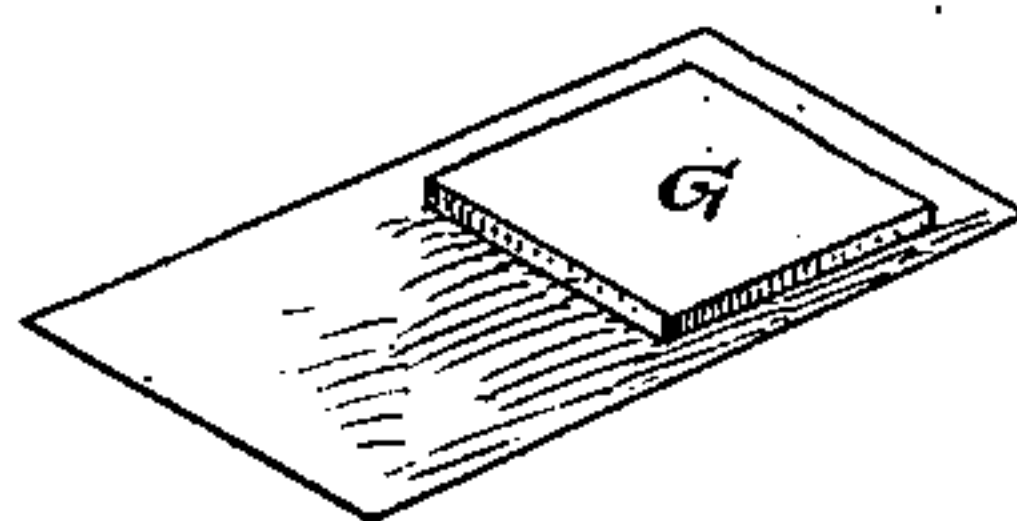


Fig. 2.

WITNESSES,

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BABY-JUMPER.

SPECIFICATION forming part of Letters Patent No. 420,948, dated February 11, 1890.

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To all whom it may concern:

Be it known that I, FREMONT E. LYON, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Baby-Carriages; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to baby-carriages; and the object of the invention is to provide an attachment for such carriages whereby the bodies thereof may be swung off and suspended from the usual canopy or parasol rod, substantially as shown and described, and particularly pointed out in the claims.

Baby-carriages with detachable or removable bodies are old and well known, and mechanism for suspending or swinging such bodies when so removed likewise is old; but hitherto such mechanism has been of a special kind and manufactured with reference to a particular and limited use, so that in purchasing a carriage thus convertible for suspending or swinging the body alone separated from the running-gear it was necessary to also purchase the special appliances for suspending it. These appliances were both complex and cumbersome, and calculated to detract from the appearance of the carriage. I have therefore conceived the idea of accomplishing the same results, so far as convertibility from one form to another is concerned, by utilizing such means or parts as baby-carriages ordinarily have, and only adding thereto what may be necessary to make the change. This enables me to make any removable body convertible to a swing or the like at little expense, and to adapt the invention to the large number of carriages already in the hands of users, as well as to apply it to those of different makes and kinds in stock or to be manufactured.

In the accompanying drawings, Figure 1 is a perspective view of a carriage-body, showing one form of suspensory mechanism; and Fig. 2 is a modification thereof. Fig. 3 shows a carpet with a part of the floor-covering attached.

A is the carriage-body, detached from the

running-gear and shown in both views, Figs. 1 and 2, as suspended on springs B.

C is the usual bent rod for supporting the canopy or parasol clamped adjustably on the body by set-screws *b*, or their equivalent. This rod is employed in baby-carriages of almost every make and kind and has all the strength necessary for the further use to which it is applied in my invention. Thus I show it here as part of the means for supporting the body on the springs B, and in order that the body may be balanced and prevented from turning sidewise I may employ different means at pleasure—for example, a cross-piece D, shown in Fig. 1 as adjustably held on the rod C by a set-screw *d*, which makes the cross-piece and rod perfectly rigid with one another, or as in Fig. 2, where the rod C is connected with the cross-piece D by a link *c*.

When a rigid connection of rod and cross-piece is employed, as in Fig. 1, a single chain, cord, wire, or the like E, extending to the front of the body from the end of the rod C, or from the cross-piece thereon, or the supports above, will answer to keep the body from turning laterally. When the link-connection *c* or the like is employed, or any connection which is not rigid, it will be necessary to use two chains, cords, rods, wires, or the like E, say after the manner shown in Fig. 2, or its equivalent.

A further improvement consists in the construction of the body itself, whereby it is rendered adaptable to the use here shown or proposed by this invention. This consists in constructing the body with an opening F' through the floor immediately in front of the seat and of such size as will enable the child to swing its feet and limbs the same as if the entire floor or the portion of the body in front of the seat were removed. This opening is readily made in any carriage, and the section of the floor removed to form the opening or serving to cover the opening may be attached to the floor-carpet (shown at G in Fig. 3) or may be separate therefrom, or hinged to the floor or bottom frame to swing into or out of position. Thus a carriage-body is provided which can easily be adapted to serve as a swing, crib, or the like, and which to accomplish these ends requires very little addition to

what carriages ordinarily are equipped with as necessary parts of the structure.

It will be observed that by my invention the carriage-body remains in an entire piece
5 and is not formed in sections or with hinged and divided parts. The only change in the body itself is the opening in the front of the seat, and this leaves the front part of the body as a receptacle for a child's playthings, lap-
10 robe, and other articles.

If preferred, the entire floor in front of the seat may be removed, except, of course, the floor-frame.

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

1. In combination with the body of a baby-carriage, a curved rod adjustably and detachably connected with said body centrally at its
20 back, a cross-bar held horizontally by suspensory-cords and connected with said curved rod, and a cord or chain connected with the

front end of the said body and the suspensory devices, substantially as described.

2. A baby-carriage body, a curved rod detachably and adjustably connected with the
25 back thereof on a median line, a cross-bar, and means to fix said bar rigidly on the front end of the said curved rod, whereby the rod is prevented from turning on said bar, and
30 a stay-cord running to the front of said body, substantially as described.

3. A baby-carriage body provided with a seat at one end and an opening in the floor
35 in front of the seat, in combination with suspensory devices for said body, whereby a carriage-body in its entirety is converted into a swing and jumper for the child, substantially as described.

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Witnesses:

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