R. W. CALDWELL.

Children's Carriages.

No. 166,068. Patented July 27, 1875.

Fig. 2.

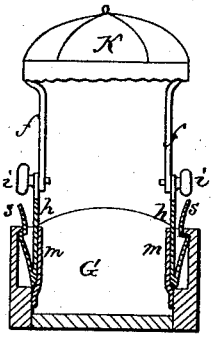

Fig. 1.

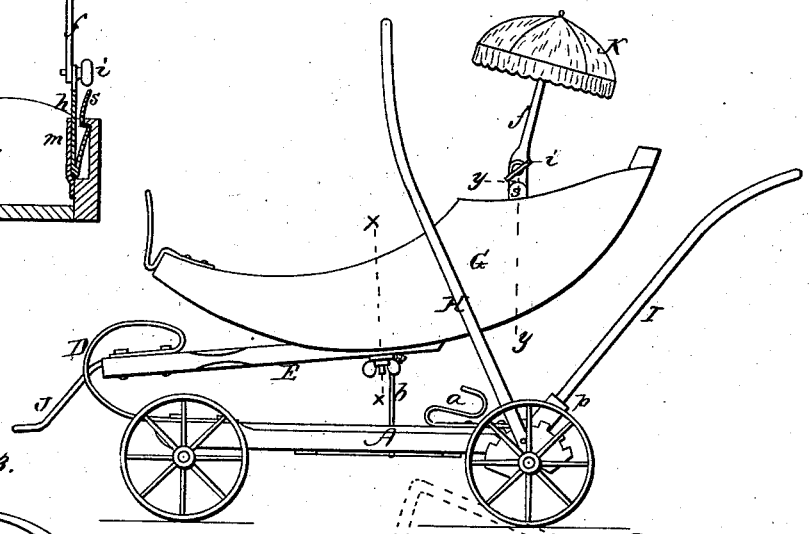

Fig. 3.

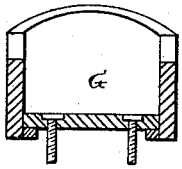

Fig. 4.

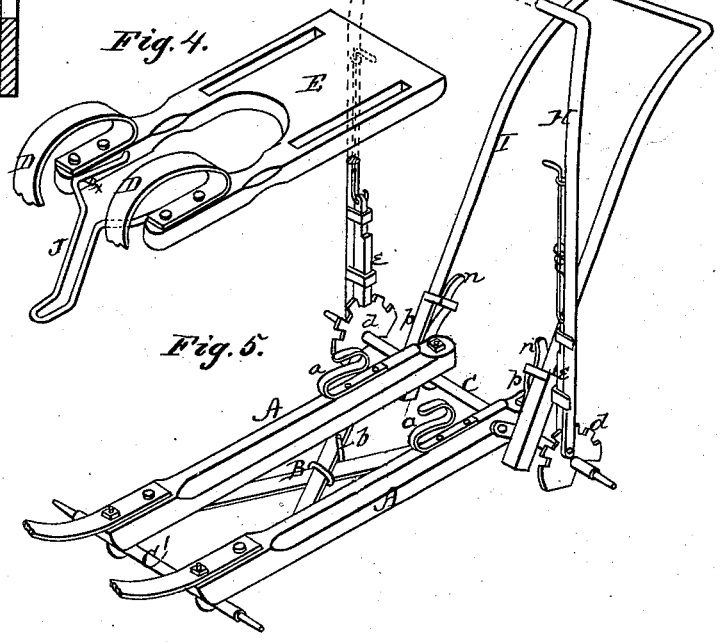

Fig. 5.

WITNESSES

Henry N. Miller

C. L. Ewell.

INVENTOR

Robert W. Caldwell

per

Alexander Mason

ATTORNEYS

UNITED STATES PATENT OFFICE.

ROBERT W. CALDWELL, OF ZANESVILLE, OHIO.

IMPROVEMENT IN CHILDREN'S CARRIAGES.

Specification forming part of Letters Patent No. **166,068**, dated July 27, 1875; application filed February 4, 1875.

To all whom it may concern:

Be it known that I, ROBERT W. CALDWELL, of Zanesville, in the county of Muskingum and in the State of Ohio, have invented certain new and useful Improvements in Children's Carriages; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a child's carriage, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation of a child's carriage embodying my invention. Fig. 2 is a transverse vertical section of the same through the line *y y* of Fig. 1. Fig. 3 is a similar section through the line *x x*, Fig. 1. Fig. 4 is a perspective view of the bed upon which the carriage-body is fastened. Fig. 5 is a perspective view of the frame and running-gear of the carriage.

A A represent two parallel beams or bars connected by cross-braces B B, and secured at their ends to the usual axles *c c'*. On the front ends of the beams A A are secured two **G**-shaped springs, D D. These springs are constructed as shown in Fig. 1, having their upper ends turned inward and under, and to them is secured the bed E. The bed is, near each side, provided with a longitudinal slot through which bolts pass to fasten the carriage-body G. The body G may be adjusted back and forth on the bed E, according to the weight of the child placed therein. On top and near the rear ends of the beams A A are fastened **S**-shaped springs *a*, to receive the body G in its descent when rocking up and down. The braces B are connected with the bed E by an elastic band or cord, *b*, to limit the upward movement of the carriage-body.

The carriage thus constructed is provided with two handles, H and I, so arranged that the carriage can be pulled or pushed as desired. Each handle may be made, as shown, of one piece of metal, bent to form two parallel arms connected at their upper ends; or they may be made in any other suitable manner only, so that each shall have two arms disconnected at their lower ends.

The lower ends of the handle H are pivoted to segmental racks *d d*, permanently secured on the rear axle C, and on each arm of said handle is a sliding spring-pawl, *e*, to take into said rack and hold the handle at any angle desired. This handle, when not in use, may be thrown over the body G to be out of the way, and may also be arranged to hold a fly-net over the child in the carriage.

The lower ends of the handle I are provided with spring-catches *n n* and inserted in sockets *p*, permanently fastened to the rear axle C and outer sides of beams A. By this construction this handle can easily be attached and detached as desired or required.

The front end of the bed E forms two parallel arms, to which the springs D are fastened. Between these arms is pivoted a wire foot-piece, J, bent as shown, and resting upon pins *x x*, by which the carriage may be used as a cradle for rocking the child. This foot-piece may also be used as a means for pulling the carriage, if desired, by the attachment of a suitable cord.

K represents the top of the carriage provided with two rigid arms, *f f*, the lower ends of which are fastened by set-screws *i* to other arms, *h h*. These latter arms are provided with spring-catches *s s*, and are inserted in sockets *m m* fastened in the sides of the body G. By these means the top K may be attached and detached at pleasure, and adjusted backward or forward at any angle desired.

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

1. The combination, in a child's carriage, of the frame A B, secured upon the axles C C', the **G**-shaped springs D D, and bed E, upon which the carriage-body is fastened, substantially as and for the purposes set forth.

2. The combination of the frame A B, springs D D, bed E, adjustable body G, springs *a a*, and elastic band *b*, all substantially as and for the purposes set forth.

3. The pivoted foot-piece J and pins *f f*, in

combination with the bed E, springs D D, and adjustable carriage-body G, as and for the purposes set forth.

4. The combination, with a child's carriage, of the pivoted adjustable handle H, with spring-pawls *e e*, and the segmental racks *d d*, substantially as and for the purposes set forth.

5. The combination, with a child's carriage, of the handle I, having spring-catches *n n*, and the sockets *p p*, as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of December, 1874.

ROBERT W. CALDWELL.

Witnesses:

WM. NUTT,

JOHN J. JAMES.