

No. 708,621.

Patented Sept. 9, 1902.

R. B. COFFMAN.

BABY BUGGY.

(Application filed May 17, 1902.)

(No Model.)

Fig. 1.

Fig. 4.

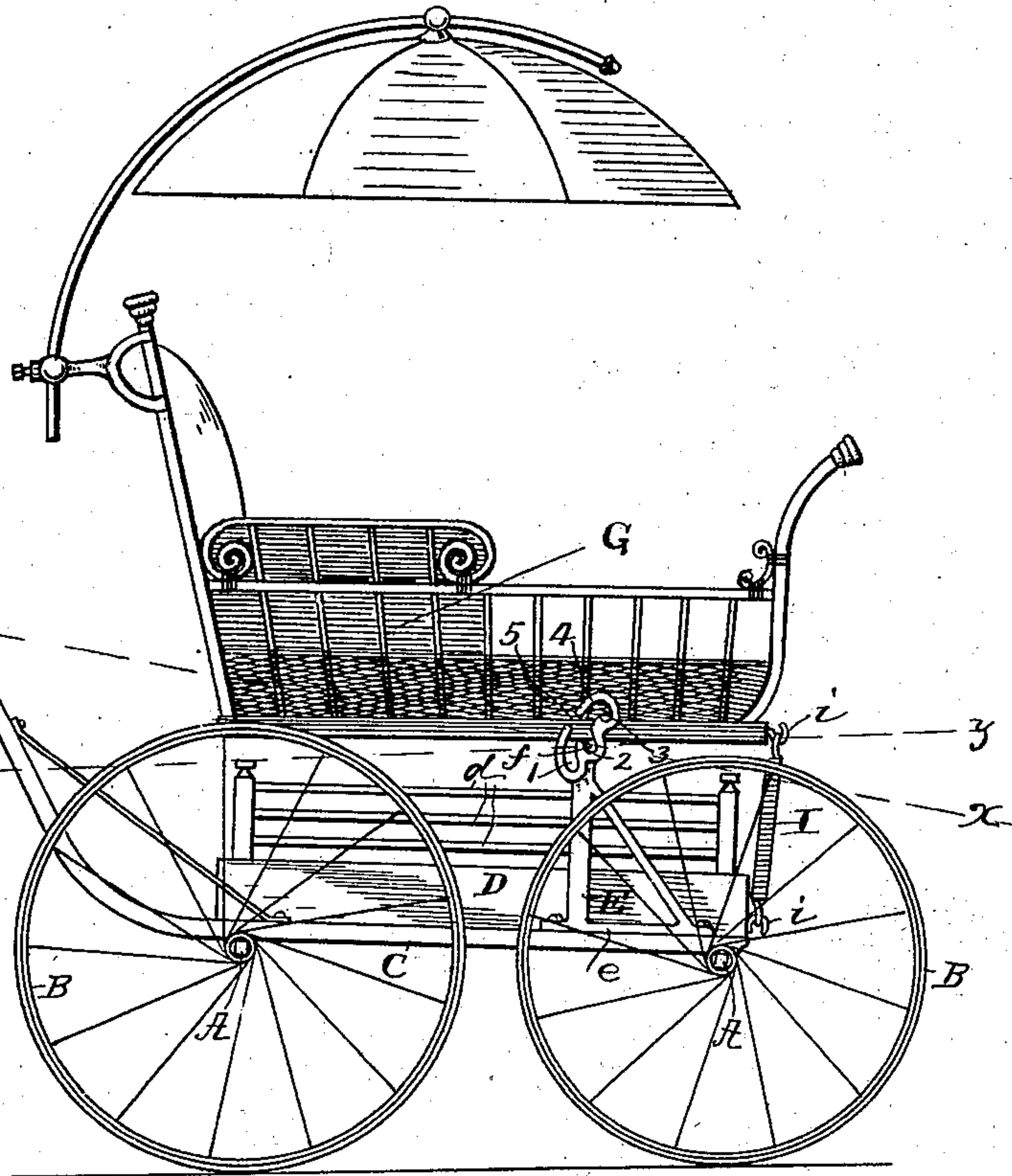
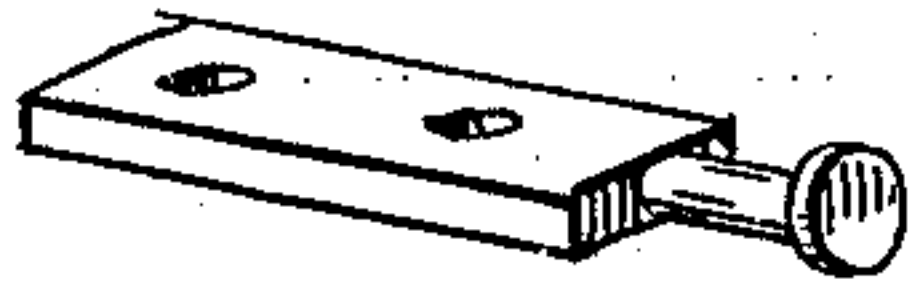


Fig. 2.

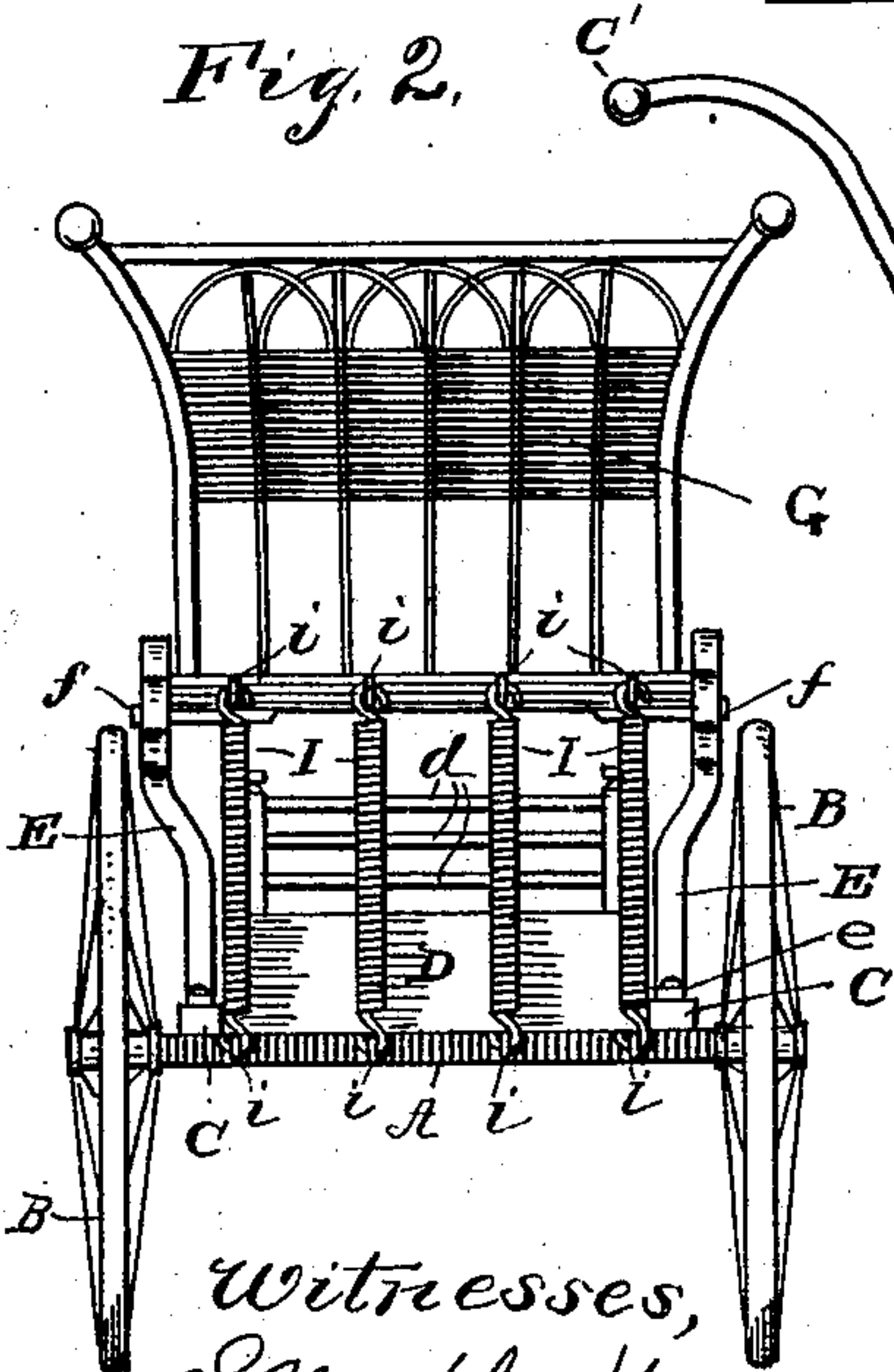
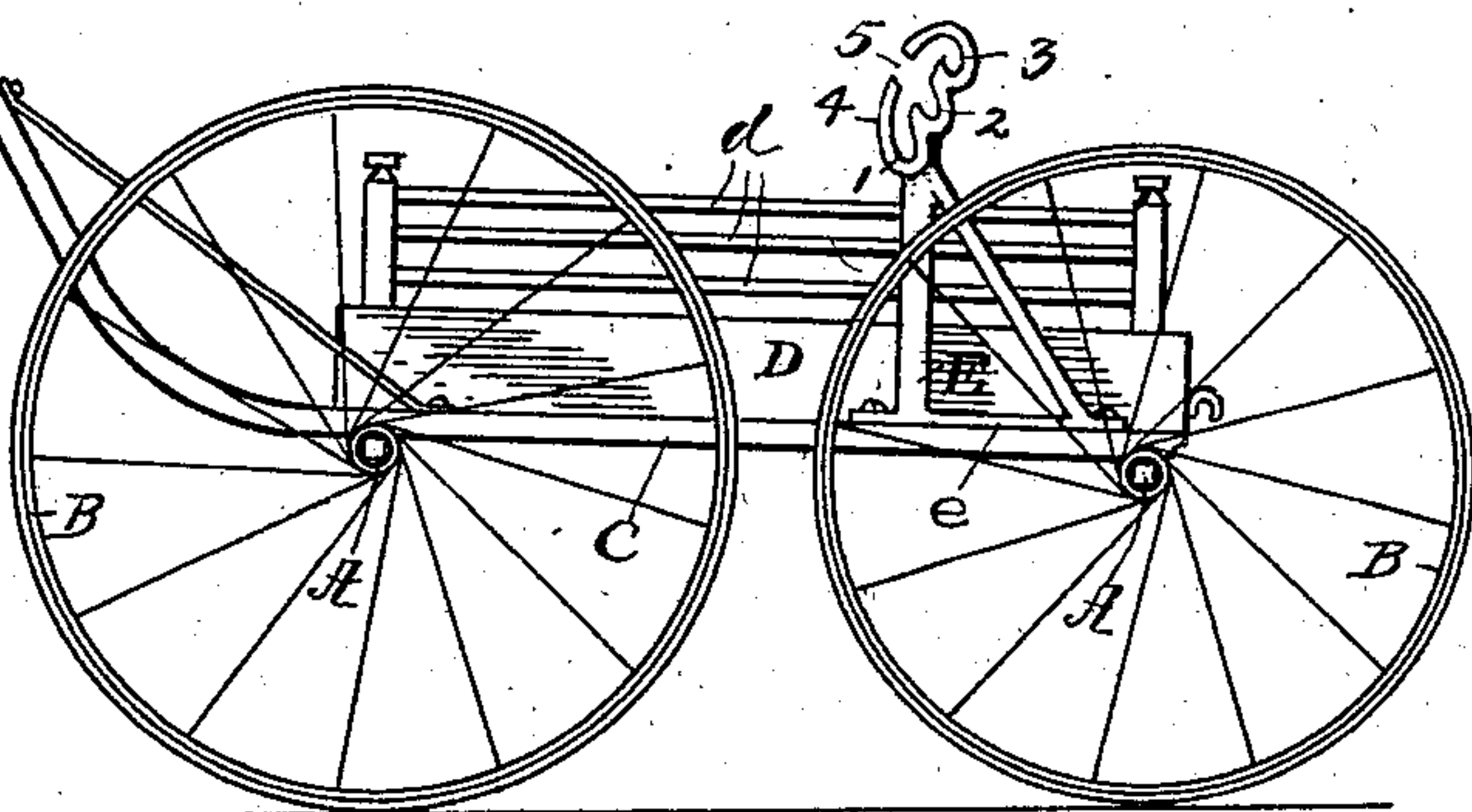


Fig. 3.



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UNITED STATES PATENT OFFICE.

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BABY-BUGGY.

SPECIFICATION forming part of Letters Patent No. 708,621, dated September 9, 1902.

Application filed May 17, 1902. Serial No. 107,795. (No model.)

To all whom it may concern:

Be it known that I, RALPH B. COFFMAN, a citizen of the United States, residing at Chattanooga, in the county of Hamilton and State of Tennessee, have invented certain new and useful Improvements in Baby-Buggies, of which the following is a specification.

The object of this invention is to provide a baby-buggy in which the sensitiveness of the springs can be regulated to conform to the weight of the child—that is, to be delicate and easy in its action for a young, and hence light-of-weight and delicate, child as compared with an older and heavier and harder child.

The object also is to provide a spring construction that will conduce to the easy rocking of the bed, whereby the vehicle will be adapted to be used without change as a cradle; and a further object of the invention is to provide a carrying-compartment underneath the bed where the child lies to be used as a carryall for sundry articles—such as those purchased while shopping, marketing, or the like—and which otherwise would have to be placed in the buggy around or upon the child; and finally the object of the invention is to provide a vehicle which can be easily and quickly transformed from a baby-buggy into an express-wagon by removing the buggy-body.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation of my invention; Fig. 2, a front end elevation of same; Fig. 3, a side view of my invention with buggy-body removed, whereby the vehicle is transformed into an express-wagon; and Fig. 4 is a detail showing the notched pivotal block on the under side of the buggy-bed.

Like characters of reference indicate like parts throughout the several views of the drawings.

A represents the two axles, front and rear, B the wheels mounted thereon, C the longitudinal bars connecting the two axles and extending back and upwardly to support the push-bar C', all of which parts are of usual and well-known construction in the manufacture of baby-buggies.

D is a rectangular bed mounted on the axles

A. It may be variously ornamented and shaped and in the drawings is shown as having the horizontal rails *d*, making a deeper bed with open sides. Instead the sides might be solid to the top of the railing, or the body might have stick sides, with or without a filling of reeds. The compartment thus formed is the carryall to receive sundry packages.

E E are two standards having bases *e e*, bolted to the top of the bars C. The standards each have a notch 1 at their upper ends, and above the notch 1 and toward the front of the buggy a second notch 2, and still higher up and farther toward the front a third notch 3. These are to be used successively to receive pins *f f*, projecting laterally from the bottom of the buggy-body. The accidental displacement of the pins *f f* from the supporting-notches is prevented by the strap 4, having the opening 5, through which the pin is introduced. The standards are bent outwardly, as shown in Fig. 2, to permit the body G, of usual and well-known construction, to be introduced between them. The pins *f f* have plates which are fastened, by means of bolts or screws, to the bottom of the bed. These plates are shown in Fig. 4. The body has a vertically-swinging or oscillatory movement on the pins *f*. It will be noted that the pins *f* are located between the center of the buggy-body and the front end thereof, whereby the rear end of the body would drop down by gravity unless prevented by some means. This means consists of one or more spiral springs I, having eyes or hooks at their ends, which hook into eyelets *i*, attached to the buggy-body above and to the bed D below. The drawing Fig. 2 shows four of these springs; but a greater or less number may be used, depending on their strength and the weight of the child to be carried in the buggy. These springs are removably attached in order that one or more may be taken off when not required and also in order that the buggy-body may be wholly disconnected by said removal, whereby it can be taken away by simply lifting it off and setting it to one side. This will be done when it is desired to use the express-wagon feature alone in the manner as shown in Fig. 3.

The dotted lines *x x y y* in Fig. 1 show the range in vertical movement of the buggy-

body. It is an easy matter to set the body to vibrating, and the movement will continue with gradually-decreasing amplitude, conducting to quiet and rest and making the device an efficient cradle. The movement of the body will be an alternate rising and falling from head to foot, which is more effective in quieting the child and healthier than a rocking side movement usually employed in cradles.

Having thus fully described my invention, what I claim as new, and wish to secure by Letters Patent of the United States, is—

1. A baby-buggy having two beds, the lower being stationary and the other being pivotally supported intermediate of its center and front end and connected at its front end with the lower part of the vehicle by spring-ties, and standards to support the upper bed, said standards having a plurality of notches arranged in step-like series, substantially as described and shown.

2. A baby-buggy having a stationary bed, a pair of standards one on either side of said bed, having a plurality of notches in steps increasing in altitude toward the front of the

vehicle, a second body having lateral pins which are supported by the notched standard, said pins being between the center of the second body and the front end and an elastic tie or ties connecting the front end of the second or upper body with the lower vehicle portion, substantially as described and shown.

3. A body mounted on wheels and having a push-bar attachment, standards on either side of said body, a second body pivotally supported above the first on said standards said standards having a plurality of notches of varying altitude and distances from the front end of the body and between that end and the middle of said body, and straps to prevent accidental displacement of said pivots, and elastic and removably-secured ties connecting the two bodies at their front ends, all substantially as described and shown.

In witness whereof I have hereunto set my hand and seal, at Chattanooga, Tennessee, this 3d day of May, A. D. 1902.

RALPH B. COFFMAN. [L. S.]

Witnesses:

G. F. NEESE,

O. P. STEWART.