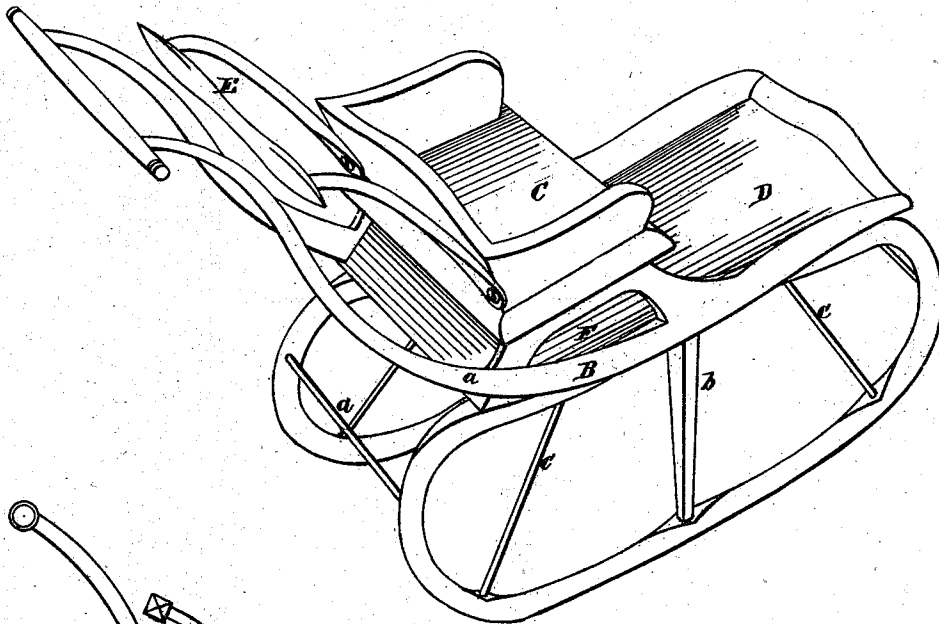


B. P. CRANDALL, Jr.  
Child's Carriage.

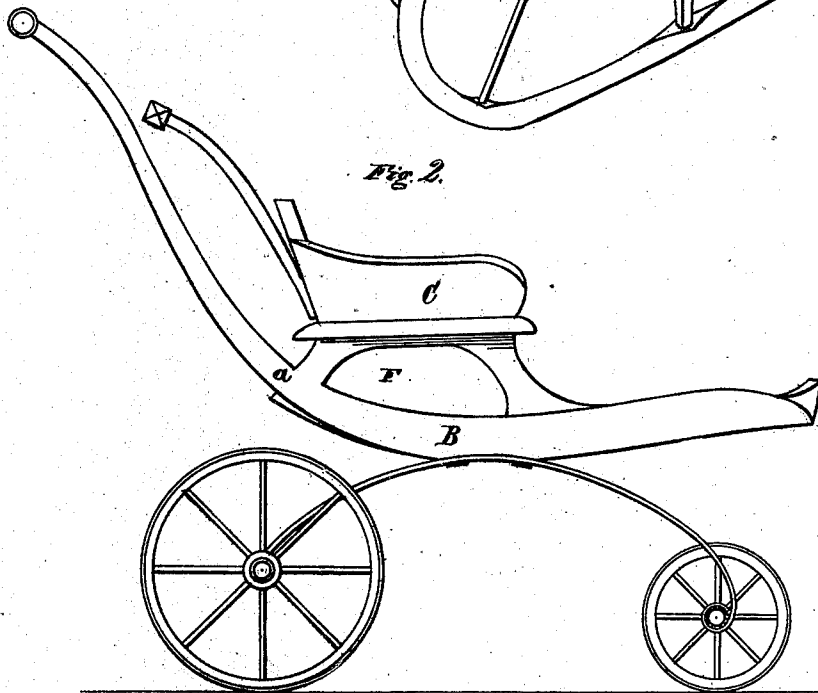
No. 106,126.

Patented Aug 9, 1870.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Harry King.*  
*A. H. Amckel.*

*Inventor.*

*Benjamin P. Crandall Jr.*  
*by Wiedersheim & Norris.*  
*Atty.*

# UNITED STATES PATENT OFFICE.

BENJAMIN P. CRANDALL, JR., OF WILLIAMSBURG, NEW YORK.

## IMPROVEMENT IN SLEIGHS AND CARRIAGES FOR CHILDREN.

Specification forming part of Letters Patent No. 106,126, dated August 9, 1870.

*To all whom it may concern:*

Be it known that I, BENJAMIN P. CRANDALL, Jr., of Williamsburg, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Carriages and Sleighs; and I do hereby declare that the following is a full, clear, and exact description of its construction, sufficient to enable others skilled in the art to which my invention appertains to make, construct, and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improvement as applied to a sleigh or sled, while Fig. 2 is a perspective view as applied to a child's carriage or perambulator.

This invention is designed to facilitate and render more easy the construction of sleighs and perambulators or carriages designed especially for the use of children; and to this end my invention consists, first, in forming the pushing or pulling handles of a sleigh or perambulator in such a manner that by the use of the said handles the side sills heretofore used in the construction of such devices are dispensed with; second, in securing the seat of a sleigh or perambulator directly upon the pushing or pulling handles; third, in securing the bottom board or boards of a sleigh or perambulator directly to the sills formed by the extension of the pushing or pulling handles; fourth, in attaching the handle of a sleigh or perambulator directly to the seat; and, fifth, the general combination of parts, all of which will hereinafter be described.

Like letters of reference indicate corresponding parts.

In the drawings, B B may represent the pushing or pulling handles, which extend the entire length of the sleigh or perambulator, curved or bent upwardly from the center in such a manner as to form the sills and handles of the sleigh or perambulator.

C is the seat of the sleigh or perambulator, directly attached to the pushing or pulling handles B B by means of bolts, screws, or any other suitable fastening device.

D is the bottom board or boards of the sleigh or perambulator, which are secured directly upon the long bent pushing or pulling handles

B B by bolts, screws, glue, or in any other suitable manner. By thus fastening the bottom board or boards directly to the pushing or pulling handles all cross-bars are dispensed with and much labor and expense saved.

E is a pushing or pulling handle of a modified form, and is designed to be attached directly upon the rear part of the seat by any suitable means. When this handle is used, the rear portion of the long pushing or pulling handle is dispensed with—that is, it is cut off, say, at about the point *a*. An opening or space, F, is preferably formed in the sides of the seat; but may also be formed in the rear, in which is placed a panel bearing any figure or configurations; or the opening or space may be closed by simply caning, in a manner similar to the cane bottom of chairs. In Fig. 1 the long bent pushing or pulling handles carrying the seat and the bottom board or boards are shown as applied to the runners of a sleigh, and in this instance the runners are made either of wood or metal, curved at each end, and secured to the bottom of the body by means of bolts, screws, or other suitable means.

*b b* are vertical posts, and *c c* are inclined braces arranged within the runners between and secured to the body and the runners, thus greatly strengthening and bracing the sleigh.

*d d* are horizontal cross-bars connecting together and bracing the runners, thus preventing them from being spread inwardly or outwardly.

In Fig. 2 the bent pushing or pulling handles carrying the seat and the bottom board or boards are shown as applied to a child's carriage or perambulator, in which case the springs of the carriage are attached to the pushing or pulling handles, and not to sills, as heretofore constructed.

Any suitable stationary or falling top or covering may be attached to the seat, if it be desired.

By thus constructing a carriage or sleigh I am enabled to offer to the public a neater, cheaper, and more durable carriage or sleigh than has been heretofore produced, since I use less material in their construction, and at the same time save expense and labor by dispensing with the usually cumbersome and costly carriage or sleigh bodies.

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

1. The pushing or pulling handle B of a carriage or sleigh, extending the entire length of the body, curved or bent upwardly from the center, substantially as described, for the purpose set forth.

2. The seat C, mounted upon the pushing or pulling handle of a child's sleigh or carriage, substantially as described, for the purpose set forth.

3. The bottom board or boards secured directly to the pushing or pulling handle of a child's sleigh or carriage, when said handles

are constructed substantially as described, for the purpose set forth.

4. The seat C, handle B, with the bottom D, constructed substantially as described, in combination with the running-gear of a child's carriage or perambulator, as herein set forth.

5. The seat C, handle B, and bottom D, in combination with the runners of a sleigh or sled, substantially as described.

To the above I have signed my name this 11th day of July, 1870.

BENJAMIN P. CRANDALL, JR.

Witnesses:

THOMAS A. STINSON,  
WILLIAM PEARCE.