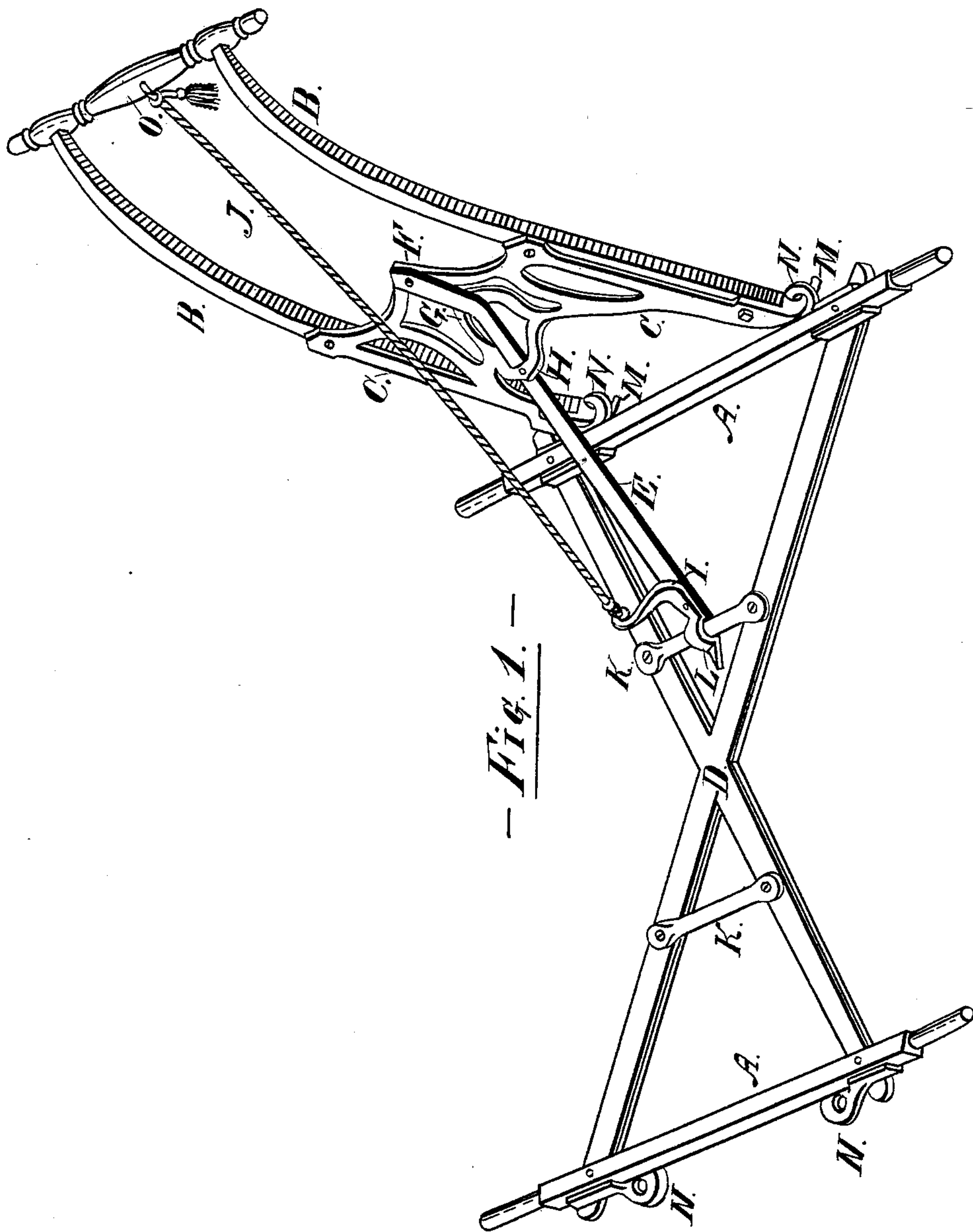


F. MEINECKE.  
 Reversible Handle for Childrens' Carriages.  
 No. 220,721.                      Patented Oct. 21, 1879.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

FERDINAND MEINECKE, OF MILWAUKEE, WISCONSIN.

## IMPROVEMENT IN REVERSIBLE HANDLES FOR CHILDREN'S CARRIAGES.

Specification forming part of Letters Patent No. **220,721**, dated October 21, 1879; application filed July 1, 1879.

*To all whom it may concern:*

Be it known that I, FERDINAND MEINECKE, of the city of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Reversible Handles for Children's Carriages; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the accompanying drawing represents a perspective elevation of my invention.

My invention relates to improvements in that class of children's carriages having detachable handles which are adapted to be readily attached to either end of the carriage and changed at pleasure from one end of the carriage to the other.

In the accompanying drawing similar letters of reference indicate like parts.

A A are the carriage-axles, and B B are the handles. C is the bracket by which the lower ends of the handles are rigidly connected together. D is the carriage-reach. E is a spring-bar, which is rigidly attached to the bracket C against the supporting-bars F, G, and H, which bars are so shaped that they partially surround the spring-bar, substantially as shown.

The spring-bar E is provided with a lever, I, by which it is temporarily attached to and detached from the reach. One end of the lever I extends upward at right angles to the spring-bar, and is provided with a cord, J, by which the spring is drawn upward and released from the reach when desirous of reversing the handle. The other end of the lever I extends downward past the end of the spring E, in the same plane therewith, and has its extreme point slightly curved upward, so that it will strike the upper side of rod K as the handles are attached. It is also provided with a depression or recess, L, for the reception of the bar K, which engages therein, as shown in Fig. 1, when the handles are attached.

The lower ends of the handles are attached

to the axle with an ordinary device consisting in the hooks M and eyes N, as shown in Fig. 1. The hooks M are cast in one piece with the bracket C.

The other end of the carriage is also provided with eyes N and rod K, by which the handles are attached in the same manner as shown and described.

The round O, by which the upper ends of the handles are connected, provides a convenient place of attachment for the upper end of cord J.

When desirous of attaching the handles to the carriage, the hooks M are inserted in the eyes N, and the other ends of the handles are inclined upward, by which movement the lower end of the lever I strikes against the upper side of bar K, when spring E is bent upward until the bar K engages in the recess L, as shown in Fig. 1. The spring thus serves to resist both the upward and downward pressure upon the handles, and a rigid connection of the parts is thereby obtained.

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

1. In children's carriages, the lever I, having its lower arm on the same plane with the spring-bar E, and provided with recess L, and its upper arm extending at right angles thereto, in combination with bar E and cord J, for attaching and detaching the handles, substantially as shown and described.

2. The herein-described improvements in reversible handles for children's carriages, consisting in the combination of handles B, bracket C, having bars F, G, and H rigidly attached, spring-bar E, lever I, provided with recess L, cord J, attached to the upper end of lever I, bar K, and reach D, all substantially as and for the purpose specified.

3. In carriages, the device for detaching the spring-bar E from the carriage-reach, consisting in the combination of cord J, handle-round O, and lever I, all substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand.

FERDINAND MEINECKE.

Witnesses:

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