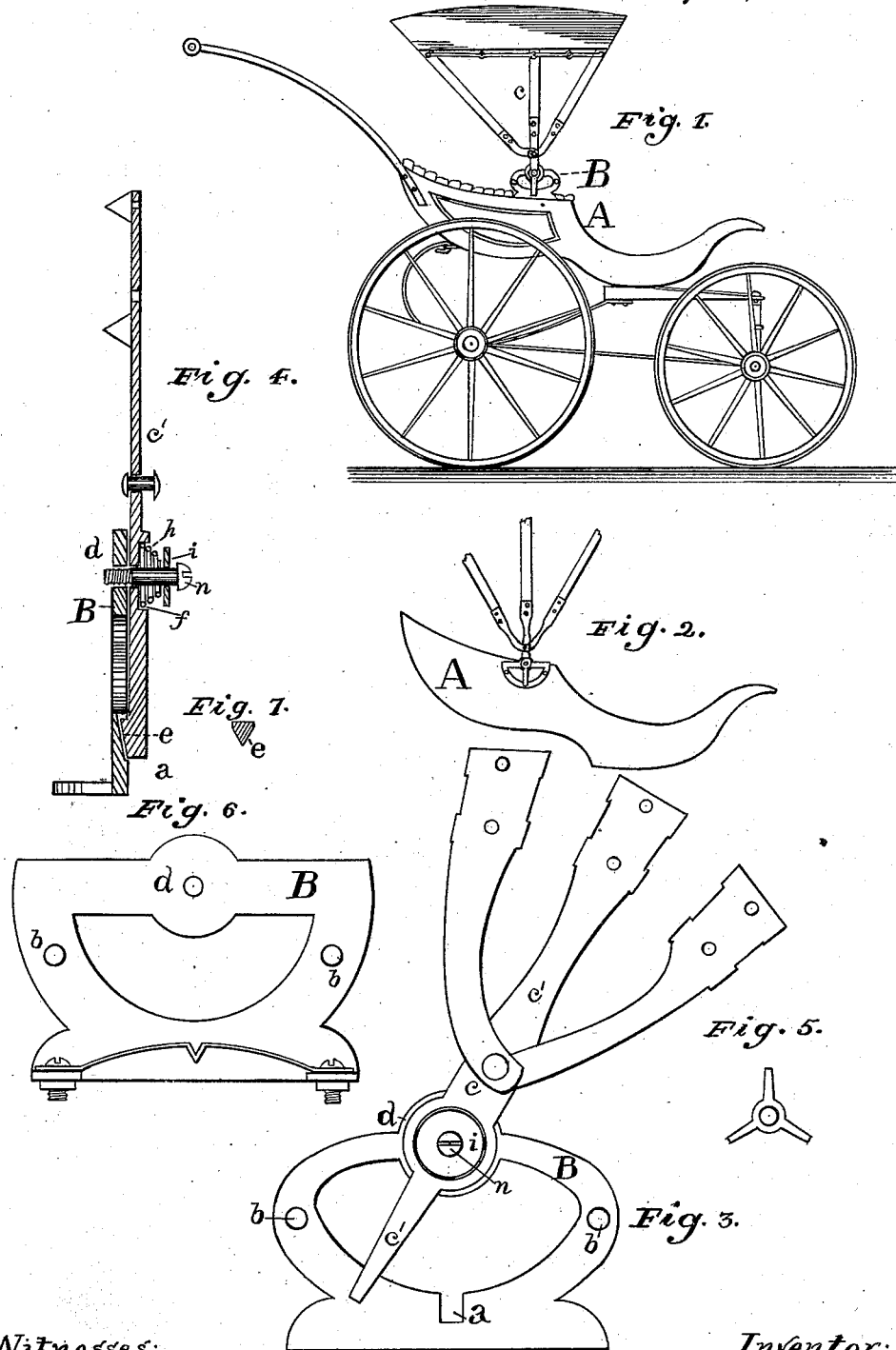


L. H. RICHARDSON.  
Top for Carriages.

No. 215,297.

Patented May 13, 1879.



Witnesses:  
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A. C. Eader

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# UNITED STATES PATENT OFFICE.

LORENZO H. RICHARDSON, OF WESTFIELD, MASS., ASSIGNOR TO HENRY BIGGS AND CHARLES C. RICHARDSON, OF BALTIMORE, MD.

## IMPROVEMENT IN TOPS FOR CARRIAGES.

Specification forming part of Letters Patent No. **215,297**, dated May 13, 1879; application filed January 22, 1879.

### *To all whom it may concern:*

Be it known that I, LORENZO H. RICHARDSON, of Westfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Improvement in Adjusting-Irons for the Tops of Children's Carriages, of which the following is a specification.

My invention relates to certain means for the adjustment of a bow-top for a child's carriage, whereby the top is adapted to be folded or opened, and may be inclined or dropped forward or backward of the seat and retained in the upright position without the aid of joints or props.

Figure 1 is a side elevation of a carriage. Fig. 2 shows a modification in the manner of attaching the base of the adjusting-iron to the carriage-body. Fig. 3 is a view of the adjusting-irons. Fig. 4 is a vertical section of the iron of the main standard and base. Fig. 5 is a view of a tripod-shaped spring, as a modification for use in connection with the pivot of main standard. Fig. 6 shows a modification of base-iron, having a notched spring.

The subject-matter hereinafter claimed will now be described.

The letter A represents the body of the carriage, mounted upon running-gear of any construction. Attached at each side to the arm of the seat is a base, B, which may be secured above the arm, as shown in Fig. 1, or, by a slight modification, against the outer side of the arm, as shown in Fig. 2. A notch, *a*, is formed in the central lower part of the base, and on each side are projecting stops or lugs *b*, while at the central upper part, *d*, and on the outer side, is pivoted the central bow, *c*, of the top. The iron *c'*, to which the wooden bow is attached, extends below the pivot, and is provided at the end with a lug, *e*, which enters the notch in the base. The vertical or slightly-slanting side of this lug, which bears against the base, is beveled, making it V-shaped, whereby it will be released from the notch by moderate pressure.

In the present instance the outer side of center bow-iron is provided around the bolt-hole or pivot with a circular depression, *f*, into which a suitable spring, *h*, is placed. If a wire spring be used a washer, *i*, would be requisite, through which passes the bolt or pivot *n*. By this construction a slight lateral movement is permitted to the center bow-iron, which facilitates the release of the lug from the notch. This particular construction to effect the lateral movement is not essential. The circular depression may be dispensed with, and the tripod-shaped spring shown may be used.

It will be seen that this bow-top is adjustable by inclining it forward or backward, being held at the extreme of either position by the extended end of center bow-iron in contact with the lugs, and without the aid of side props or joints.

Having described my invention, I claim—

1. A support for the top of a child's carriage pivoted to the arm of the seat, capable of moving in either direction, and having its pointed end extended below the pivot, and provided with a side lug adapted to engage with notches, as set forth.

2. A bow-top of a child's carriage pivoted below the joint of the bows to the arm of the seat, and having the pointed end of the pivoted iron extended below the pivot, and provided with a V-shaped lug adapted to engage with a notch, as set forth.

3. A support for the top of a child's carriage having two or more bows, and pivoted to the body in such manner as to permit of a lateral movement, as described, and having the pointed end extended below the pivot, and provided with a side lug to engage with any suitable stop or notch in the base, as set forth.

LORENZO H. RICHARDSON.

Witnesses:

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