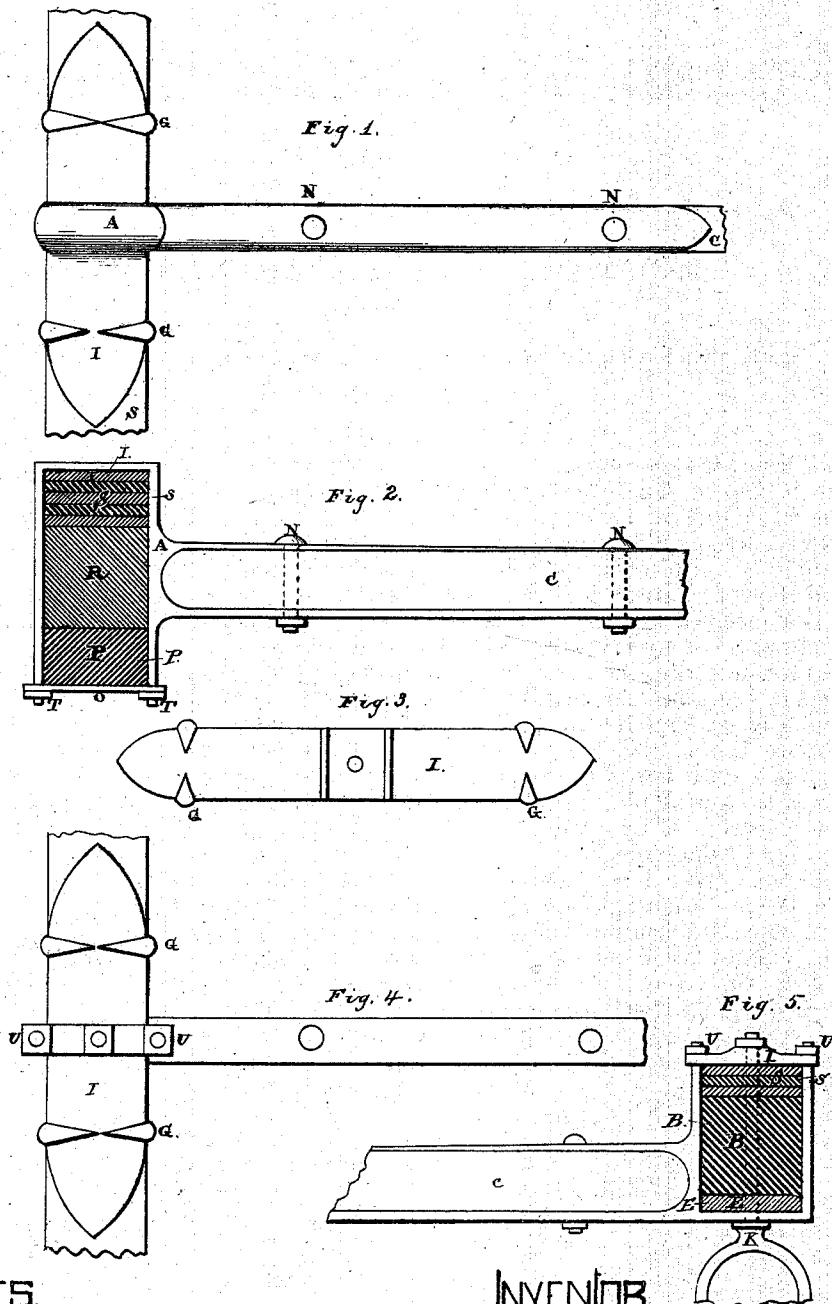


D. W. BAIRD.
Spring-Clips for Carriages.

No. 139,648.

Patented June 10, 1873.



WITNESSES.
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DAVID W. BAIRD, OF GENEVA, NEW YORK.

IMPROVEMENT IN SPRING-CLIPS FOR CARRIAGES.

Specification forming part of Letters Patent No. **139,648**, dated June 10, 1873; application filed January 9, 1872.

To all whom it may concern:

Be it known that I, DAVID W. BAIRD, of Geneva, in the county of Ontario and State of New York, have invented certain Improvements in Connecting the Perch to Axle and Head-Block of Carriages, of which the following is a specification:

The nature of my invention relates to a device for connecting the perch or reach of carriages to the axle and head-block, as will be more fully set forth hereafter.

Figure 1 is a plan view of my invention. Fig. 2 is a side view of the same. Fig. 3 is a view of the spring-plate. Fig. 4 is a plan view of modification of my invention. Fig. 5 is a side view of the same.

In Figs. 1 and 2, R represents the axle-stock, P the axle, I the spring-plate, and S the spring, all of which are firmly bound together by clip A, clip-plate O, and nuts T. Extending outward from the side of the clip are two prongs, which form a socket for receiving the end of the perch C, the same being held firmly in place by means of the bolts N. This socket

may either extend outward on a level with the bottom, or from the center of the clip, as shown in Figs. 4 and 5. In Fig. 5 the clip is shown binding the head-block B, head-block plate E, and spring S, firmly together, the ends of clip passing up through the spring-plate I and secured by the nuts U. Up through all of these parts is passed the king-bolt K, and secured upon the top of the solid raised center of the spring-plate I, shown in Fig. 5. The spring-plate I is provided with the small projecting lugs G, which extend downward over the side of the spring, and has raised flanges extending across its surface, so as to receive the clip, when used, as shown in Figs. 1 and 2.

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

The clip A having a socket for the perch, substantially as shown.

DAVID W. BAIRD.

Witnesses:

FREDK. W. PRINCE,
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