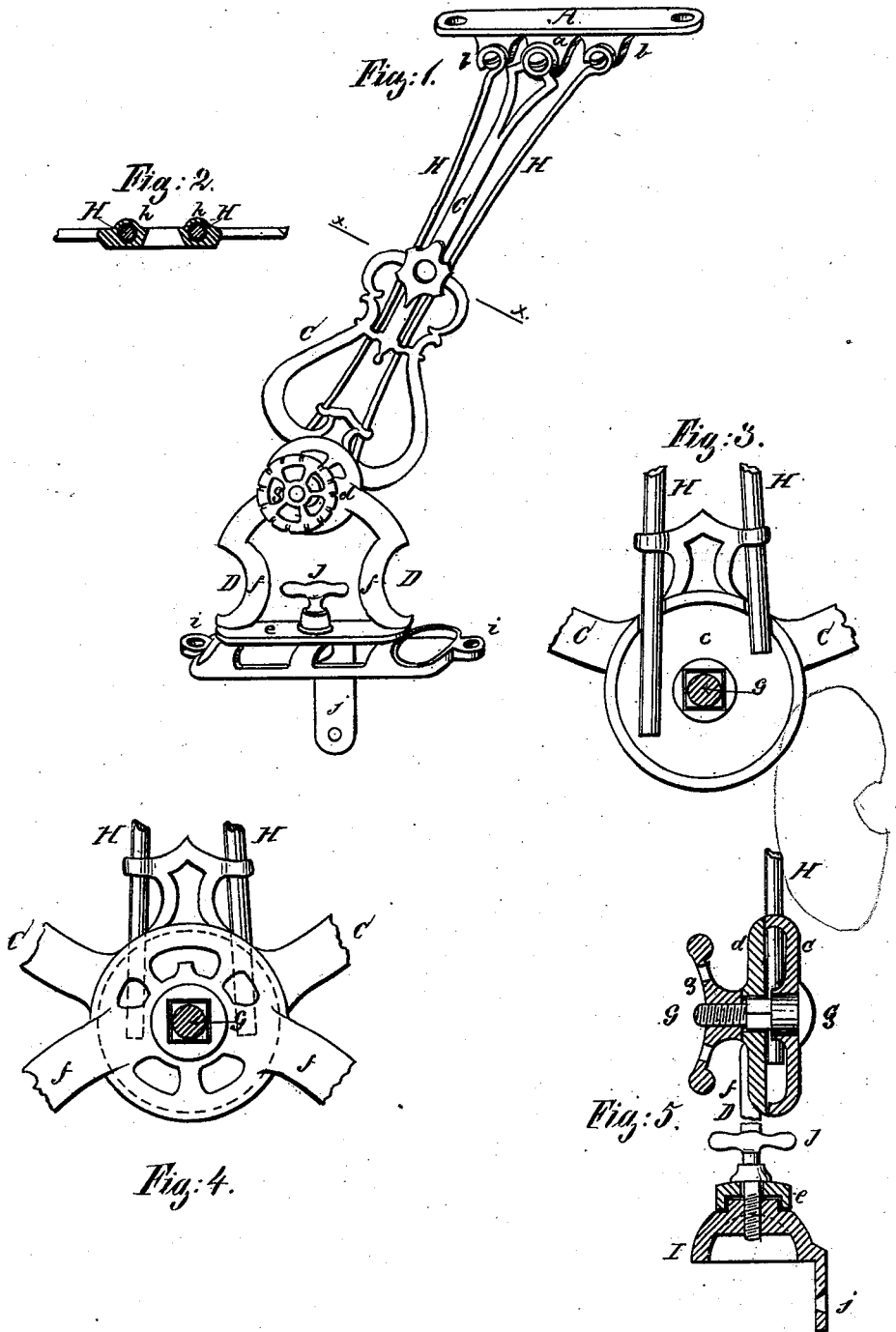


E. BETZ.  
Carriage-Top Standard.

No. 207,941.

Patented Sept. 10, 1878.



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# UNITED STATES PATENT OFFICE.

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OF SAME PLACE.

## IMPROVEMENT IN CARRIAGE-TOP STANDARDS.

Specification forming part of Letters Patent No. 207,941, dated September 10, 1878; application filed July 29, 1878.

*To all whom it may concern:*

Be it known that I, EUGEN BETZ, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Top-Standard for Children's Carriages, of which the following is a true and accurate description, reference being had to the accompanying drawing.

The nature of my invention relates to an improved device of adjustable standard for supporting the canopy-top of a child's carriage; and it is my object to so construct the same that the standard may be inclined to any angle, and the canopy adjusted to any angle with relation to the standard, and that a single clamping-screw will secure both the standard and the canopy in their relative positions.

My invention consists of a standard pivoted at its extreme ends between a foot-piece and a top-plate, the former of which is secured upon the top of the body-sides of a baby-carriage, while the latter is fastened to the under edge of the canopy. Said top-plate has pivoted to it, near its ends, the eyed ends of two pendent rods, which are passed through guide-loops in the standard, and thence their ends enter between the plates, forming the pivot between the standard and the foot-piece, to be clamped between the same by the same bolt which adjustably secures the standard to the foot-piece.

In the drawing, Figure 1 represents an exterior perspective view of the standard complete. Fig. 2 is a section on line *x x* in Fig. 1. Fig. 3 is an elevation of the lower end plate of the standard while detached from the foot-piece. Fig. 4 represents an exterior view of the lower standard-pivot, the clamping-nut being removed; and Fig. 5 represents a vertical cross-section through the lower standard-pivot, the foot-piece, and the shoe or carriage-fixture for attaching the standard.

*A* represents a plate, to be secured under the side edge of the canopy by two wood-screws, and having three lugs, *a* and *b b*, projecting from its lower face at equal distance apart. *C* is the standard, shaped in outline like a violin, the upper extremity of which is secured against the central lug, *a*, of plate *A* by a rivet passed through both, so as to form a pivot therewith. The lower end of said standard *C* consists of a circular concave plate, *e*,

having an inwardly-projecting central hub, bored out for admitting the shank of the clamping-bolt.

*D* is the foot-piece, consisting of a circular flat plate, *d*, having a square hole through its center, and being connected to a cap-plate, *e*, by two curved arms, *f*. The standard *C* is secured to the foot-piece *D* by a bolt, *G*, having a semi-spherical head, with a round shank under said head to enter the hole in circular plate *e*, thence being reduced to assume a square shape for entering the square hole in circular plate *d*, and having a screw-threaded end, which engages with the screw-tapped hub of a hand-wheel-shaped nut, *g*. This nut, in being tightened, will clamp and rigidly hold the two circular plates *e* and *d* against each other, and will secure the standard at any desirable angle with the foot-piece.

*H H* are two round metal rods, the eyed upper ends of which are secured by rivets to the lugs *b b* of plate *A*. These rods are passed through guide-loops *h* in the standard *C*, and their ends are inserted into the concave cavity between the two circular plates *e* and *d* at both sides of the clamping-bolt *G*, through notches in the rim of plate *e*, in such a manner that the clamping together of said circular plates at the same time will clamp and hold the said rods *H H* in their acquired position, thereby bracing and holding the canopy in the position to which it has been adjusted.

The cap-plate *e* of the foot-piece *D* is recessed in its bottom, and is fitted upon a metal shoe, *I*, chambered from the bottom, and secured upon the top of the carriage-body sides by a wood-screw, *i*, at each end, and by a pendent lug, *j*, secured with a wood-screw against the side of the carriage-body. The top face of this shoe *I* is shaped in conformity with the bottom face of the cap-plate *e*, which is removably fastened thereto by a thumb-screw, *J*, passed through a central hole in cap *e*, and thence entering a screw-tapped hole in the shoe *I*.

The standards heretofore made and arranged to be adjustably held by a single clamping-screw were constructed to transmit to the canopy a determined position in conformity with the angle of the standard—as, for an example, with the Amidon standard, described in Let-

ters Patent No. 161,086, dated March 23, 1875, or such as has a freedom of adjustment to standard and canopy, requiring two separate pivot-holding devices, like the standard described in Letters Patent No. 164,195, granted to G. W. Marble on June 8, 1875, while with my above-described improvement I can adjust the standard from a vertical to an inclined position in either direction, and can bring the canopy from a horizontal to an inclined or vertical position in either direction, each adjustment independent from the other, as far as angular positions are concerned, and yet I can secure both the standard and the canopy in their relative positions by a single clamping-screw.

For better symmetry of design, I employ two rods, H, although one might prove sufficient to accomplish the desired purpose.

What I claim as my invention is—

1. A canopy-standard for children's carriages, the pivotal top-plate A in which being adjustably braced by rods H, coupled thereto, and held by the same clamping device, adjusta-

bly secured by the lower pivot, substantially in the manner set forth, for the purpose specified.

2. In combination with the standard C and foot-piece D, having pivot-plates *c* and *d*, and being adjustably secured together by bolt G and nut *g*, the plate A, pivoted to standard C, and adjustably braced therewith by rods H H, connected with said plate A, and held between the plates *c* and *d* by clamping said plates together, substantially in the manner and for the purpose set forth.

3. The herein-described top-standard for children's carriages, consisting of plate A, having rods H H, and being pivoted to standard C, having guide-loops *h* and plate *c*, of foot-piece D, having plate *d*, and of bolt G, having nut *g*, the same to be constructed, arranged, and operating substantially in the manner and for the purpose specified.

EUGEN BETZ.

Witnesses:

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