

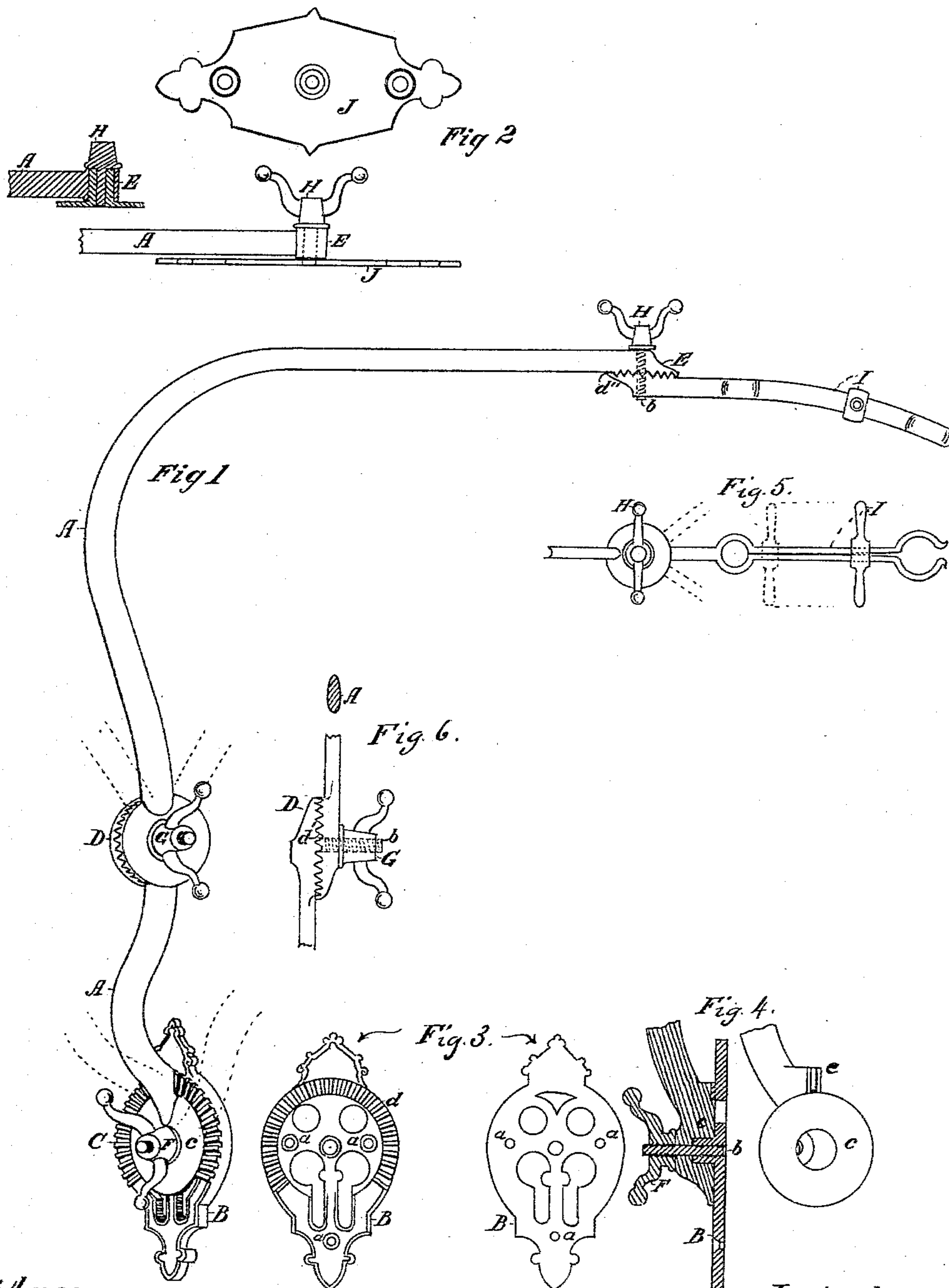
(No Model.)

T. ZANGER.

CANOPY TOP.

No. 300,428.

Patented June 17, 1884.



Witnesses:
J. B. Smith
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Inventor:
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UNITED STATES PATENT OFFICE.

THEODOR ZANGER, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-HALF TO
J. B. SWEET & SON, OF SAME PLACE.

CANOPY-TOP.

SPECIFICATION forming part of Letters Patent No. 300,428, dated June 17, 1884.

Application filed January 7, 1884. (No model.)

To all whom it may concern:

Be it known that I, THEODOR ZANGER, a citizen of the United States, residing at the city of Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Rods for Supporting Parasols or Canopy-Tops upon Children's Carriages, of which the following is a specification.

Figure 1 represents a perspective view of the improved supporting-rod. Fig. 2 represents details adapted for attachment to a canopy-top. Fig. 3 represents a front and back view of the plate for receiving the foot of the supporting-rod. Fig. 4 represents sectional details of the joint at the base of the rod. Fig. 5 represents a top view of the spring-clamp. Fig. 6 represents an edge view of the second joint in the rod.

My invention relates to children's carriages, and has for its object to increase the efficiency, beauty, and desirability of the supports now in use for sustaining parasols or canopy-tops thereon.

I have illustrated in the accompanying drawings, forming a part of this specification, a means which I regard as novel, and have found to be attractive and very efficient.

In the several figures the rod is designated by the letter A, the plate designed for attachment to the carriage by the letter B, and the joints by the letters C, D, and E. The rod is a two-part rod, and is of the form shown in the drawings. Both ends of both parts have their own peculiar shapes necessary for forming the several joints mentioned. The rod is pivoted at the base thereof, which terminates in a circular foot, *c*, having a central aperture designed to receive its axial support (or pivot) located on the plate B. This, being designed for attachment to the carriage, is circular in form and slightly ornamented, and is provided with apertures *a a a* for inserting screws or the like used in attaching it to the carriage; and *b* is a shouldered threaded center post or pivot designed as an axis and support for the circular foot *c*. B is also provided with cogs located just outside the space occupied by the foot *c*. These cogs (or some one of them) are designed to enter and rest in a

corresponding depression made in the rod near its base, as at *e*. This interlocking renders the means for adjusting the rod more firm and reliable. Similar cogs, *d'* and *d''* are provided on either part of each of the other joints.

F designates a thumb-nut for use on the center post, *b*, in adjusting and clamping the rod. A similar nut clamps the joint D, while the joint E is clamped by the same device, or a thumb-headed screw-bolt, H, passing loosely through one part of the joint and entering a threaded aperture in the other portion of the joint, thereby accomplishing the same object in a slightly different manner. This joint E is designed to enable the operator to change the position of the parasol or canopy top in a horizontal plane without changing the position of the rod, and I have shown an improved spring-clamp for holding a parasol and, in connection with the said joint, facilitating the adjustment thereof; but as this is only one of many forms used by me, and is not only new in its operation, but is also novel in its construction and form, I will neither describe nor claim it here, as it is made the subject of a separate application filed by me January 7, 1884, and bearing serial number 116,594.

The whole fixture here shown is constructed of malleable and cast iron highly polished and plated, and the several parts are formed so as to give a maximum of strength and beauty with a minimum of metal, thereby rendering the whole not only very cheap, but also very attractive and desirable.

The operation of this device will be readily understood upon inspecting the drawings and reading the above description, as one cannot fail to note that, the plate B being properly attached to the back of the body of a child's carriage and the thumb-nut F loosened, the upper portion of the rod will be free to move from right to left, and readily secured at any angle by simple tightening the same nut; or, should it be desired to throw the upper portion of the rod either backward or forward, one has only to loosen the thumb-nut G; and H gives a similar control over the position of the parasol or canopy top, for this same fixture is equally applicable to and appropriate

for supporting a canopy-top, as the only structural change necessary is that indicated in Fig. 2 at the joint E, J being attached to the canopy-top. In fact, the rod can be used without any structural change; but I think the change indicated desirable.

I am aware that a support pivoted at the back of a child's carriage and provided with a joint, as at D, is not broadly new; but the joint E, I think, is new, and, were it not new, I am not aware that any other support having the desirable features which I show has ever been devised.

I am also aware of the patent issued to Gibson, August 9, 1881, and the patent issued to Downing, October 9, 1883, and claim nothing therein either shown or described.

I therefore claim as new and desire to secure by Letters Patent of the United States—

1. In supports for parasols and canopy-tops upon children's carriages, the combination, with the base-piece B, having apertures *a a a*, central axial support, *b*, circumferential cogs *d*, and thumb-nut F, of a supporting-rod having circular foot *c*, with central aperture and a depression, *e*, a joint, D, provided with cogs *d*,

center post, *b*, and thumb-nut G, joint E, having clamping means H, and spring-clamp I, all substantially as shown, and for the purposes set forth.

2. The combination, with a support, A, having circular foot *c*, with central aperture and a depression, *e*, as described, of a base-piece, B, having a central axial support, *b*, nut F, apertures *a*, and cogs *d*, constructed and operated substantially as described.

3. The combination, in supporting-rod such as described, of the joint E, set-screw H, the spring-arms, and clamp I, substantially as shown, and for the purpose set forth.

4. A support for parasols and canopy-tops having cog-joint C, rendering the rod adjustable right and left, cog-joint D, rendering it adjustable front or rear, and joint E, rendering the parasol adjustable in a horizontal plane, substantially as shown, and for the purposes set forth.

THEODOR ZANGER.

Witnesses:

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