

(No Model.)

J. F. BUTLER & U. McCLINCHIE.

CANOPY SUPPORT FOR CHILDREN'S CARRIAGES.

No. 260,530.

Patented July 4, 1882.

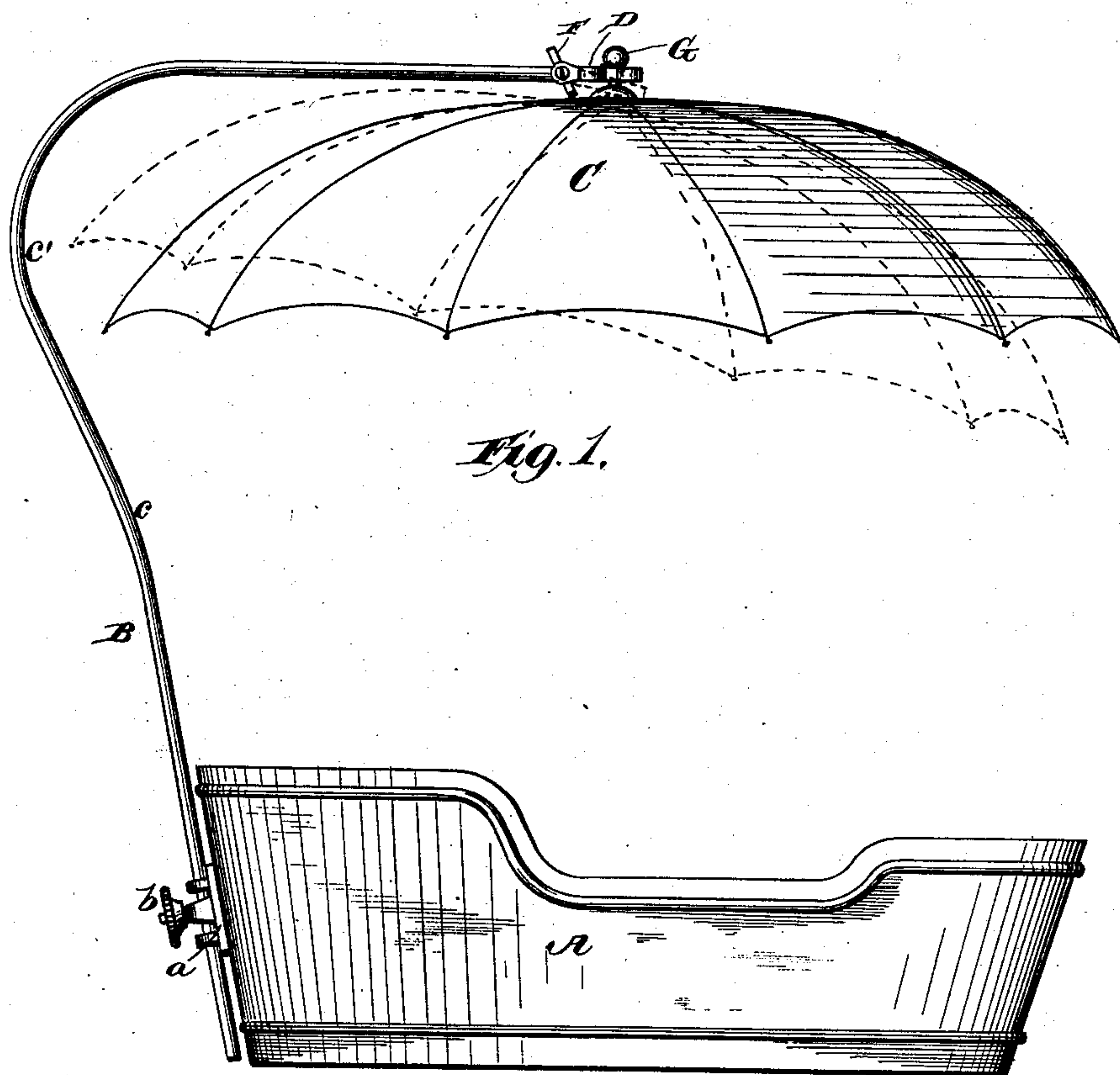


Fig. 2.

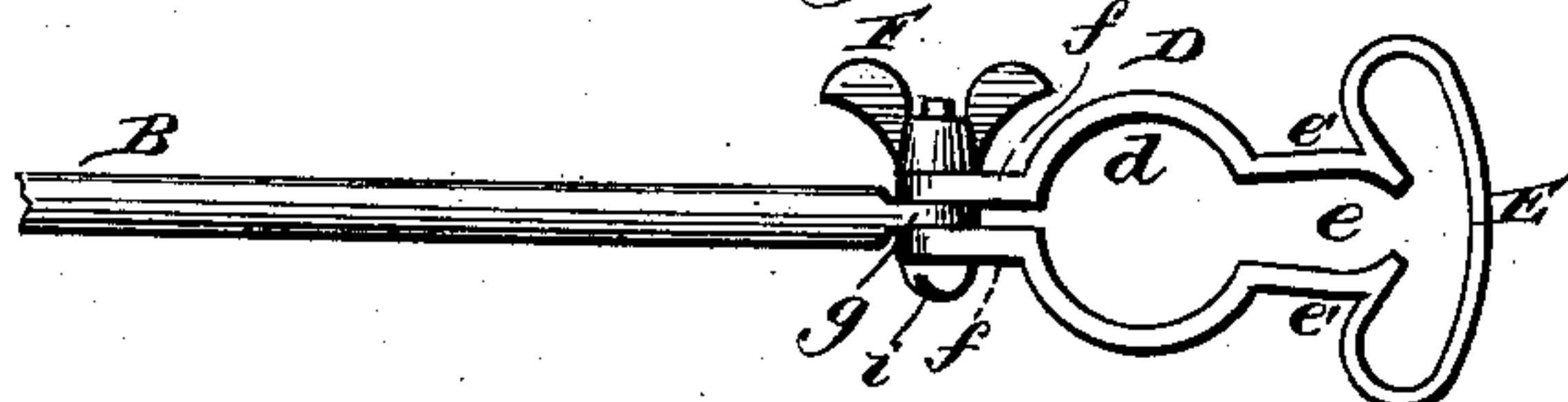


Fig. 3.

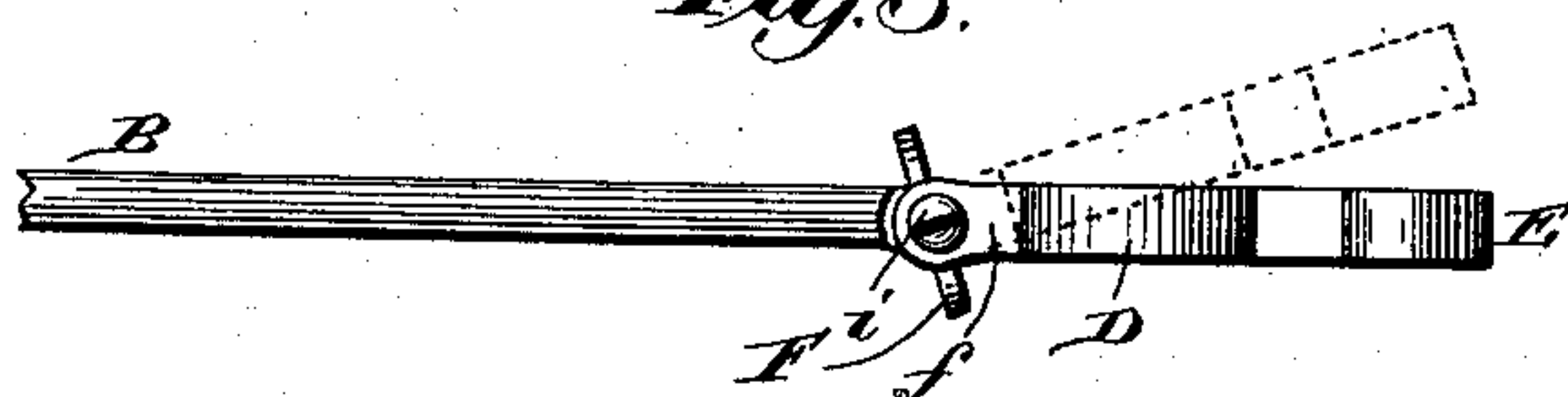
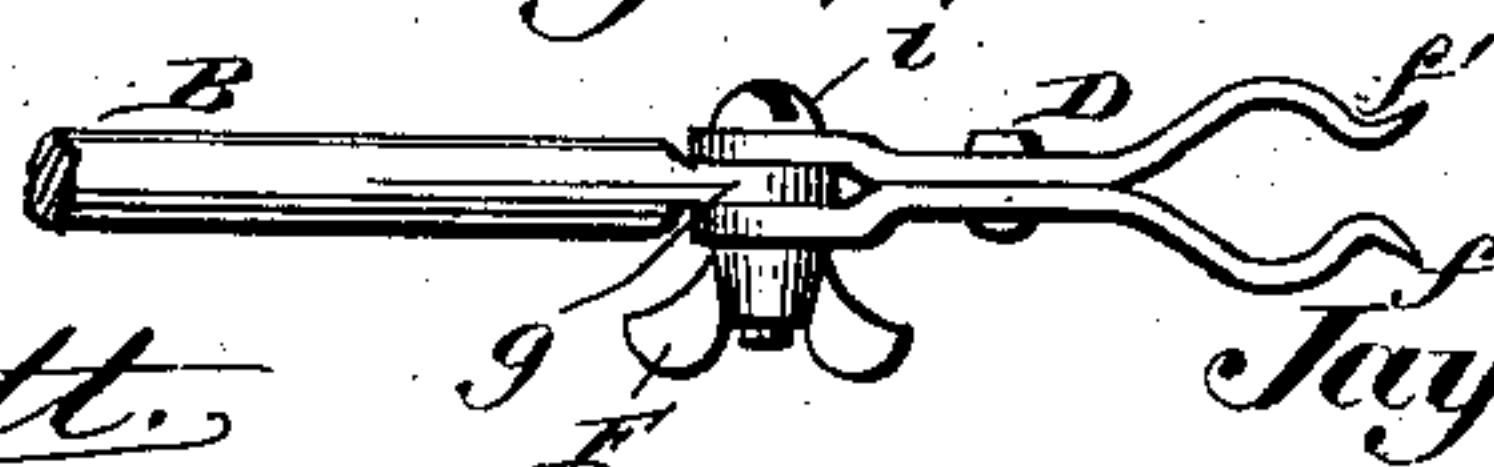


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

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CANOPY-SUPPORT FOR CHILDREN'S CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 260,530, dated July 4, 1882.

Application filed May 4, 1882. (No model.)

To all whom it may concern:

Be it known that we, JAY F. BUTLER, a citizen of the United States, residing at Brooklyn, Kings county, New York, and URIAH MCCLINCHIE, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Canopy Supports and Clamps for Children's Carriages, of which the following is a specification.

Our invention relates to canopy supports and clamps for children's carriages; and it consists, first, in a supporting-staff for said canopy formed of a single continuous stick adapted to be adjustably secured to the carriage, and having a reverse curve to cause the canopy to shelter the rearward portion of the carriage, and to provide for the tilting adjustment of the canopy-top, said staff being provided with a pivotal adjustable clamp or attaching device adapted to receive the top stick or staff end of the umbrella-canopy, which may be instantly attached and detached without operating the clamping-screw; secondly, in a novel construction of the clamp by which the canopy is attached to its support, as hereinafter more fully described and claimed.

In the drawings, Figure 1 is a side elevation of a carriage-body with our improved canopy-support attached. Fig. 2 is a detail view showing the detachable and adjustable clamp for attaching the canopy to the staff or support. Fig. 3 is a side elevation of the parts shown in Fig. 2. Fig. 4 is a detail view, showing a modified form of the clamping device.

A in the drawings indicates the body of a child's carriage of any desired pattern, having a socket-plate, *a*, attached to the rear end and provided with a clamp or set-screw, *b*. This socket receives the canopy-staff B, which may be both vertically and axially adjusted therein. The staff B is provided with a reflex or reverse curve, *c*, whereby the canopy C is carried toward the rear and so positioned as to shade the seat properly. It is then curved at *c'* over toward the front, so that the upper branch has a slight inclination downward, bringing the end of the staff, with its attaching device, into the required position.

The canopy-top C, which is of the usual form, is secured to its support in the following manner.

To the end of the staff B we attach a spring-clamp, D, formed of a single piece of metal, having the enlarged circular portion *d*, which opens into the clamp *e*, the latter being contracted or narrowed at both ends and rendered elastic by the spring E, which unites the two arms of the clamp. It is pivotally connected with the staff B by the leaves *ff*, which are clamped upon each side of a tongue, *g*, formed upon the staff and held by a thumb-nut, F, which is turned upon the pivot-bolt *i*.

The bearing-surfaces may, if desired, be corrugated or roughened to give a more secure attachment. By this construction the clamp D may be adjusted in the arc of a circle, said clamp moving in a vertical plane upon the pivot-bolt *i*.

The canopy C, which has a ball, knob, or enlargement, G, upon the upper end of the parasol-staff, is attached to the clamp by passing said knob G up through the enlarged opening *d* and forcing the staff through the contracted throat of the clamping portion *e*, the two arms *e' e'* of the latter being sprung apart by the pressure of said stick and closing upon it as soon as it enters. In this position the canopy is supported by the ball or knob G upon the end of the stick, as shown in Fig. 1, while the contracted throat of the clamp retains the stick in place. By adjusting the clamp upon its pivot-bolt *i* the canopy may be tilted into any desired position.

A modified form of construction is shown in Fig. 4, in which the clamp is formed of two separate arms bolted together and attached to the staff in the same manner already described, the canopy being attached by passing its crown-stick between the open extremities *f' f'* of the clamping-arms.

The clamp D may be easily removed from the staff B by taking out the bolt *i*. It is evident, moreover, that the canopy may be instantaneously attached and detached with perfect ease and without the necessity of operating a thumb-nut.

Heretofore canopy-supports have been con-

structed having a somewhat similar shape to that described, but not provided with the adjustable clamp or attaching device.

What we claim is—

5 1. The combination, with the support or staff adapted to be attached to the carriage-body, of a clamp secured to the end of the support or staff, and provided with laterally-yielding spring-arms, between which the upper end of
10 the canopy-staff may be inserted or removed, substantially as described.

2. The combination, with the support or staff, of a clamp composed of laterally-yielding spring-arms, and pivoted to the support or
15 staff to swing in a vertical plane, and the canopy having the upper end of its staff supported by the elasticity of the laterally-yielding spring-arms of the clamp, substantially as described.

3. The combination, with the support or staff
20 B, of the clamp D, composed of two laterally-yielding spring-arms adjustably connected

with the support or staff by a pivot-bolt and thumb-nut, substantially as described.

4. The spring-clamp D, having the enlarged portion *d*, the clamping-arms *e' e'* being drawn
25 in at each end and rendered elastic by the spring E, substantially as described.

5. The combination, with the canopy staff or support curved in the manner set forth, of the spring-clamp D and the canopy-top C, the
30 latter being provided with a ball or knob upon the extremity of the crown-stick, substantially as described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing
35 witnesses.

JAY F. BUTLER.

URIAH MCCLINCHIE.

Witnesses:

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