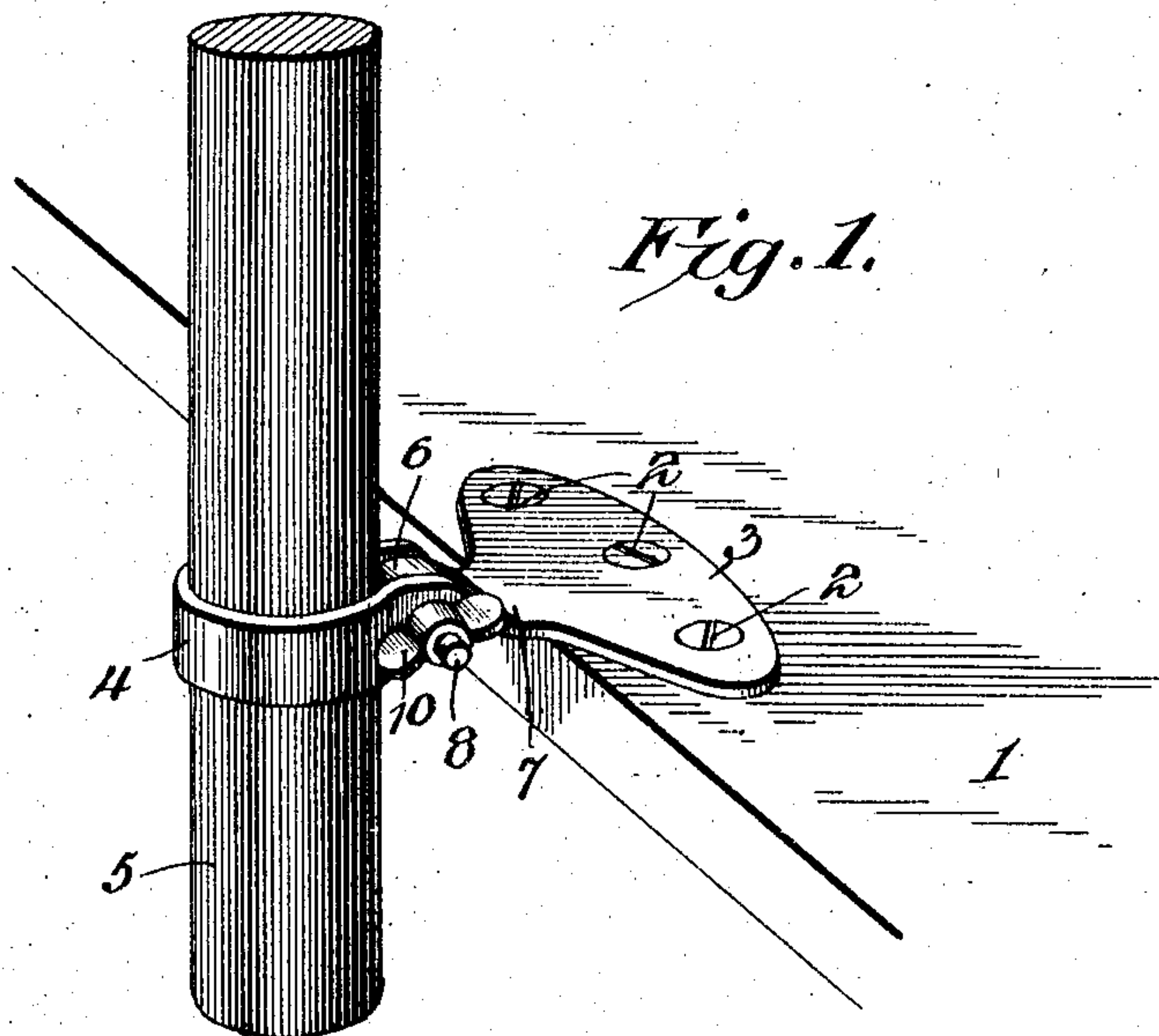


No. 778,381.

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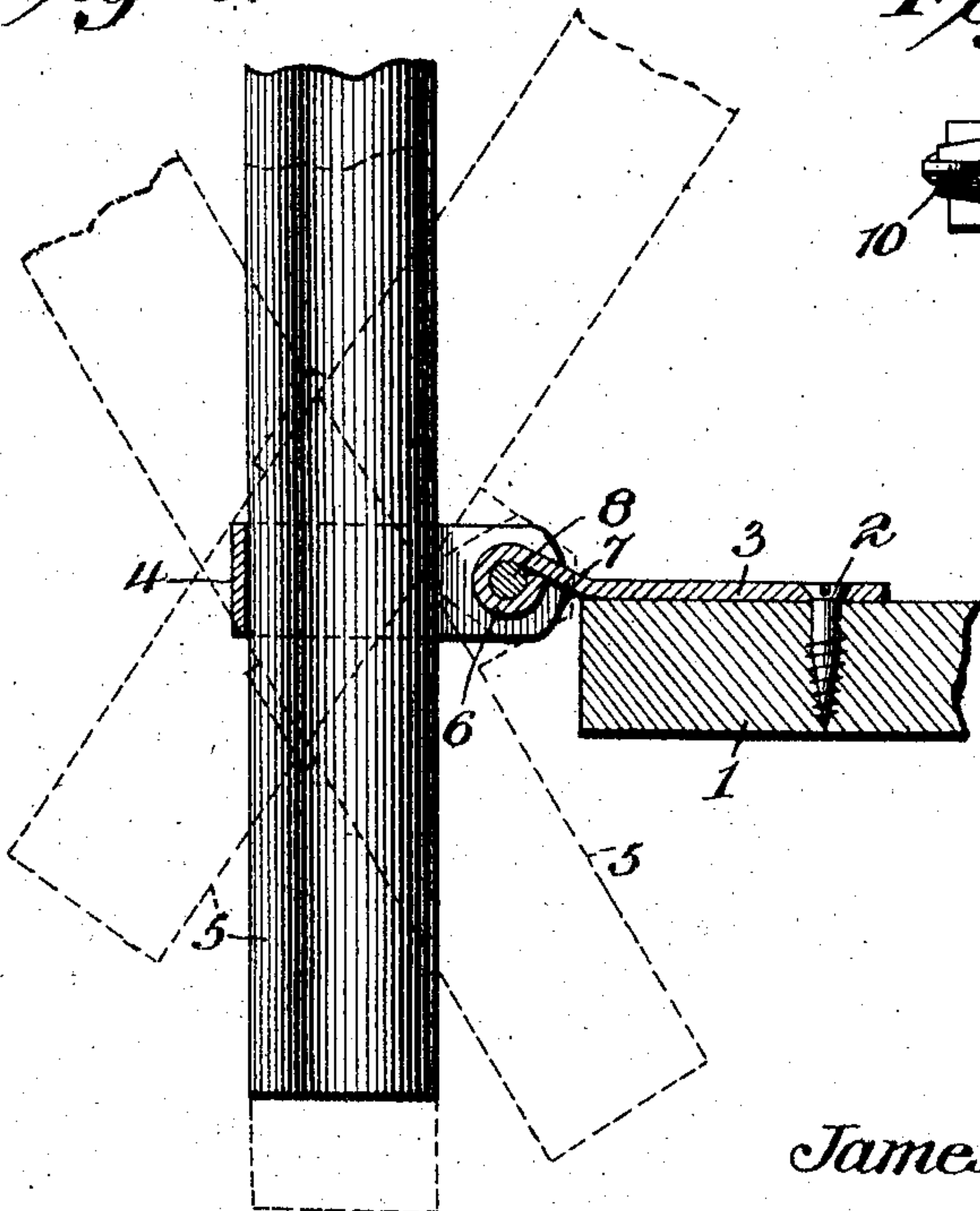
J. H. SPRAGUE.  
CANOPY SUPPORT.

APPLICATION FILED OCT. 31, 1903.

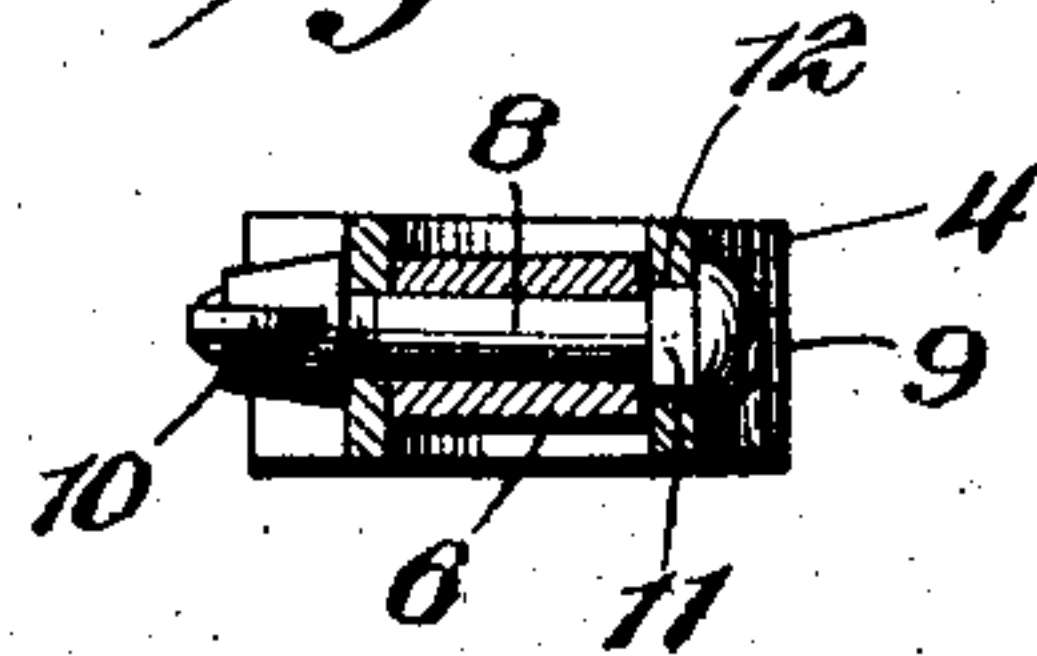


*Fig. 1.*

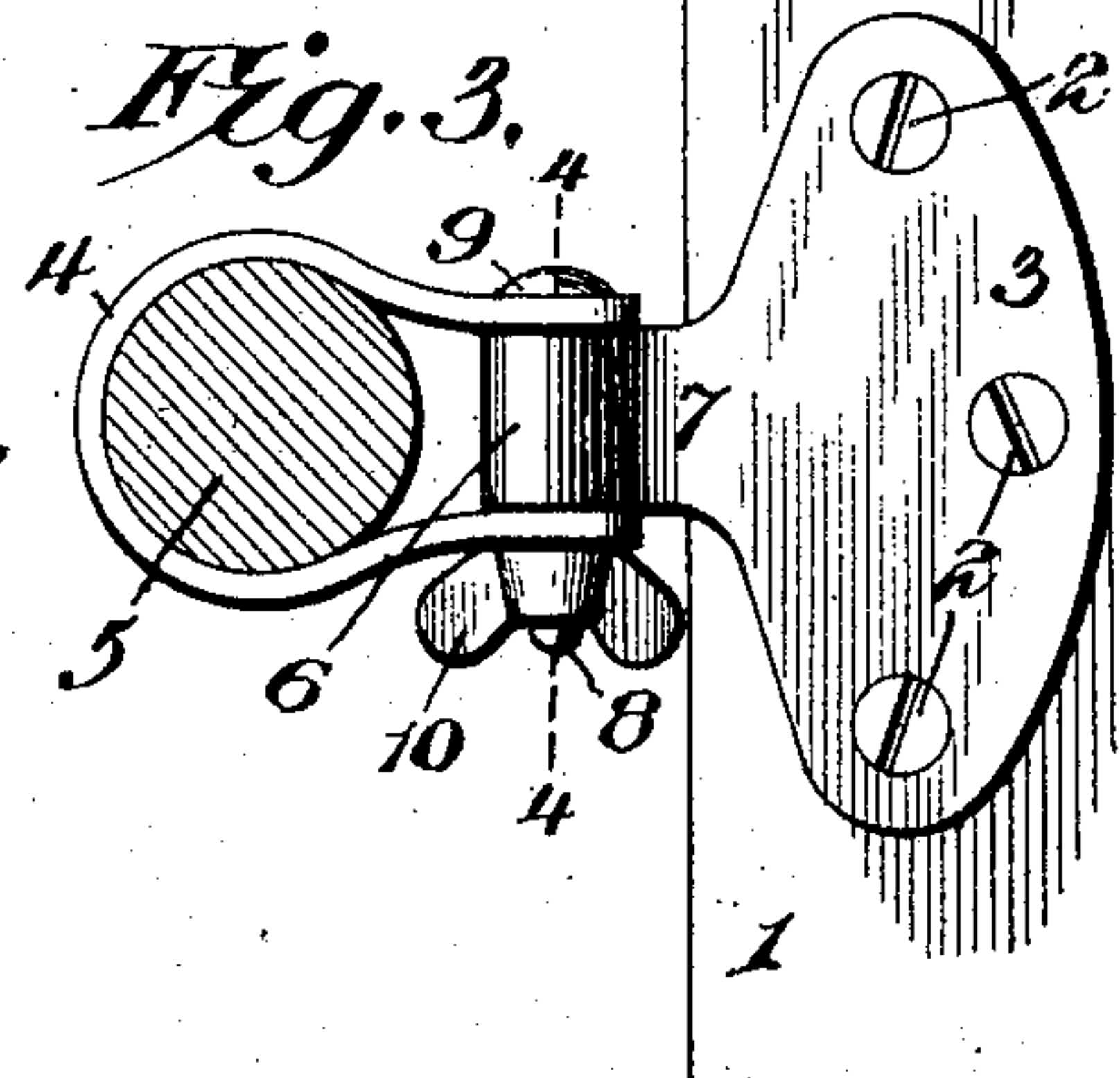
*Fig. 2.*



*Fig. 4.*



*Fig. 3.*



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By

*C. G. Siggers*

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Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES H. SPRAGUE, OF NORWALK, OHIO.

## CANOPY-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 778,381, dated December 27, 1904.

Application filed October 31, 1903. Serial No. 179,405.

*To all whom it may concern:*

Be it known that I, JAMES H. SPRAGUE, a citizen of the United States, residing at Norwalk, in the county of Huron and State of Ohio, have  
 5 invented a new and useful Canopy-Support, of which the following is a specification.

My present invention relates to a novel canopy or umbrella support designed with special reference to the attachment of umbrella rods or standards to the seats of vehicles. It is well understood that a support of this character must permit both a longitudinal and an angular adjustment of the standard; and the object of my invention, therefore, is to provide a simple and inexpensive support including a single retaining device which when loosened will permit either or both of the stated adjustments of the standard and which when tightened will effect the  
 10 rigid retention of the canopy-standard against accidental movement in any direction.

To the accomplishment of this object the invention in its preferred embodiment comprises a pair of hingedly-connected members, one having the form of a plate or bracket designed for attachment to the seat and the other having the form of a clamp embracing the canopy-standard and adjustable to release the standard, and thus permit the longitudinal adjustment thereof. The hinge-bolt connecting the members and the nut carried by the bolt constitute a device by means of which the parts may be loosened to permit both the angular and the longitudinal adjustment of the standard or its rigid retention after the  
 15 adjustment thereof has been effected.

In the accompanying drawings, Figure 1 is a perspective view of the canopy-support complete, portions of a wagon-seat and a canopy-standard being shown. Fig. 2 is a vertical sectional view through the subject-matter of Fig. 1, certain of the adjusted positions of the standard being indicated in dotted lines. Fig. 3 is a plan view of the same subject-matter,  
 20 and Fig. 4 is a section on the line 4-4 of Fig. 3.

Like numerals of reference are employed to designate corresponding parts in the several views.

1 indicates a wagon-seat or other part over  
 25 which a canopy is designed to be supported.

To this seat is rigidly attached, as by means of screws 2, a flat plate or bracket 3, to which is hingedly connected a clamping-band 4, designed to encircle a canopy-standard 5, at the upper end of which is located a canopy. (Not  
 30 illustrated.) The band 4 is made of spring metal having an expansive tendency which when unrestrained will relieve the compression normally maintained upon the standard 5, and thus permit said standard to be adjusted longitudinally. The ends of the band 4 are disposed in substantially parallel relation and are opposed to the opposite end of a cylindrical bearing 6, formed by bending into proper shape a tongue 7, extended from one  
 35 edge of the plate 3, as shown.

The hinged connection between the members 3 and 4 is formed by a combined hinge and clamp-bolt 8, passed through the ends of the band 4 and through the bearing 6 and provided at one end with a head 9 and at its opposite end with a thumb-nut 10, the latter being screwed upon the extremity of the bolt. Immediately adjacent to the head 9 the bolt 8 is provided with an angular portion 11, fitting in a correspondingly-formed opening 12 in the adjacent end of the band 4. The bolt is thus retained against rotation relative to the band, and it will therefore appear that by turning the nut 10 in the proper direction the ends of the band 4 will be drawn together to constrict the band upon the standard 5 for the purpose of retaining the latter against longitudinal movement. It will similarly appear that by releasing the nut the hinge is  
 40 loosened and that the band is simultaneously permitted to expand in order that the standard may be adjusted both longitudinally by moving the latter through the band or angularly by swinging the band with reference to the fixed member of the support, the standard being rigidly retained in its adjusted position by screwing up the nut in the manner stated.

It is thought that from the foregoing the construction, mode of manipulation, and the advantages of my canopy-support will be clearly comprehended; but while the present embodiment of the invention is thought at this time to be preferable I desire to reserve  
 45 50 100



the right to effect such changes, modifications, and variations of the illustrated structure as may fall fairly within the scope of the protection prayed.

5 What I claim is—

1. A support of the class described, comprising a spring-metal clamping-band having a normal tendency to expand and formed in a single piece, a rigid member having means  
10 facilitating the rigid attachment thereof to a supporting part and also having a bearing-sleeve interposed between the ends of the band, a hinge-bolt passed through the band ends and having a plain cylindrical portion  
15 extending through the sleeve to turn freely therein, and a nut screwed upon the end of the bolt to draw up the spring-clamp and to produce sufficient friction to prevent the swinging thereof.
2. A support of the class described, comprising a rigid member having a bearing-sleeve, a spring-metal clamping-band having a normal tendency to expand and having its opposite ends opposed to the ends of the sleeve,  
25 a headed bolt rotatable in the sleeve and passed through the ends of the clamping-band, and a nut screwed upon the bolt and designed to draw the band ends into frictional engagement with the opposite ends of the sleeve to prevent swinging movement of the band, said  
30 bolt having an angular portion adjacent to its head and fitting in a corresponding opening in one end of the band.

3. A support of the class described, com-

prising a spring-metal clamping-band having 35 a normal tendency to expand, a rigid member in the form of a flat plate formed with a cylindrical bearing-sleeve interposed between the ends of the band, a hinge-bolt passed through the band ends and having a plain cy- 40 lindrical portion extending through the sleeve to turn freely therein, and a nut screwed upon the end of the bolt to draw up the spring-clamp and to produce sufficient friction to prevent the swinging thereof. 45

4. A support of the class described comprising a rigid member in the form of a flat plate having a tongue turned back to form a bearing-sleeve, a spring-metal clamping-band having a normal tendency to expand and hav- 50 ing its opposite ends opposed to the ends of the sleeve, a headed bolt rotatable in the sleeve and passed through the ends of the clamping-band, and a nut screwed upon the bolt and designed to draw the band ends into frictional 55 engagement with the opposite ends of the sleeve to prevent swinging movement of the band, said bolt having an angular portion adjacent to its head and fitting a corresponding opening in one end of the band. 60

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JAS. H. SPRAGUE.

Witnesses:

JOHN J. LANING,  
WM. PERRIN.