

(No Model.)

N. D. BROOKS.  
UMBRELLA SUPPORT.

No. 507,481.

Patented Oct. 24, 1893.

Fig. 1.

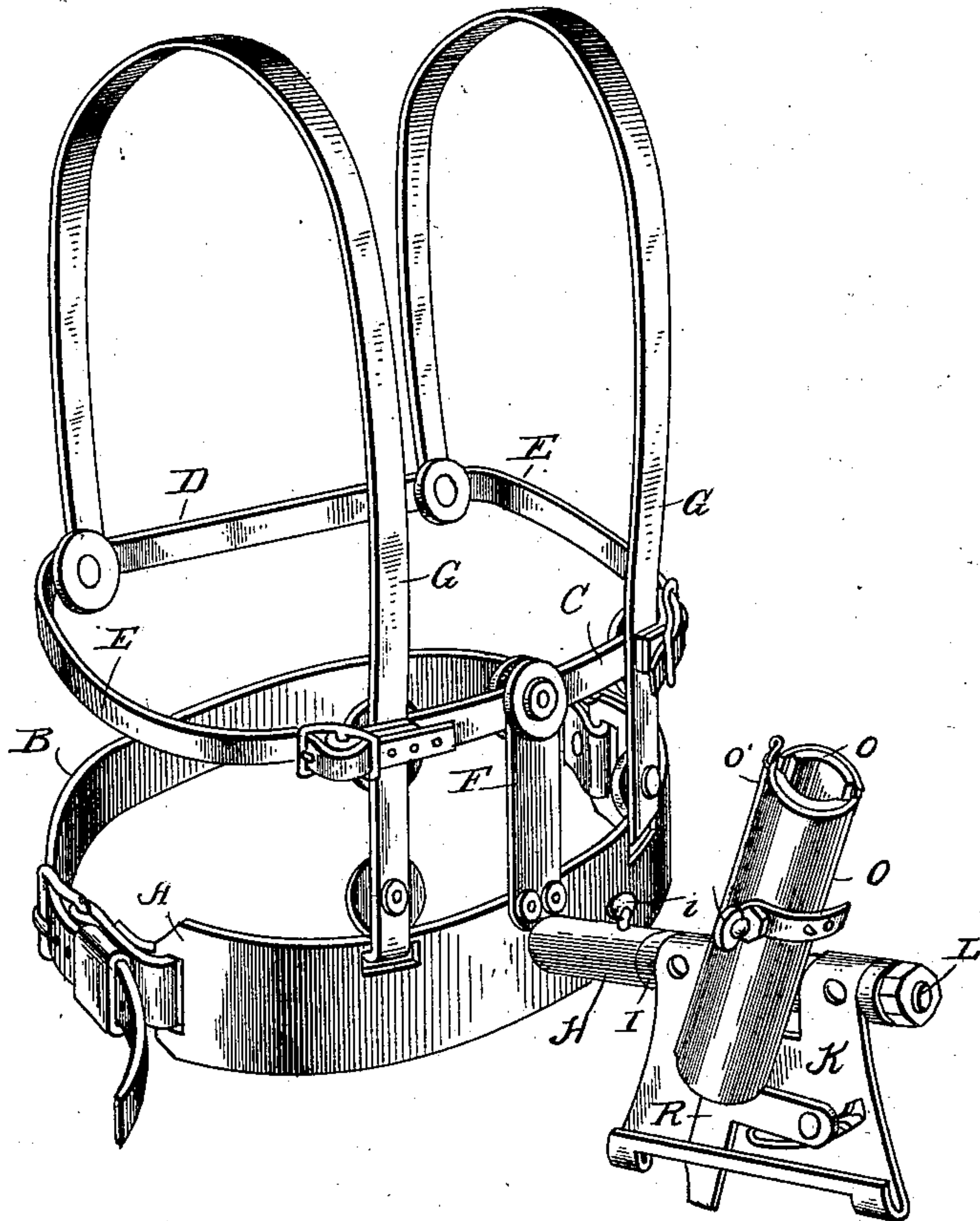


Fig. 2.

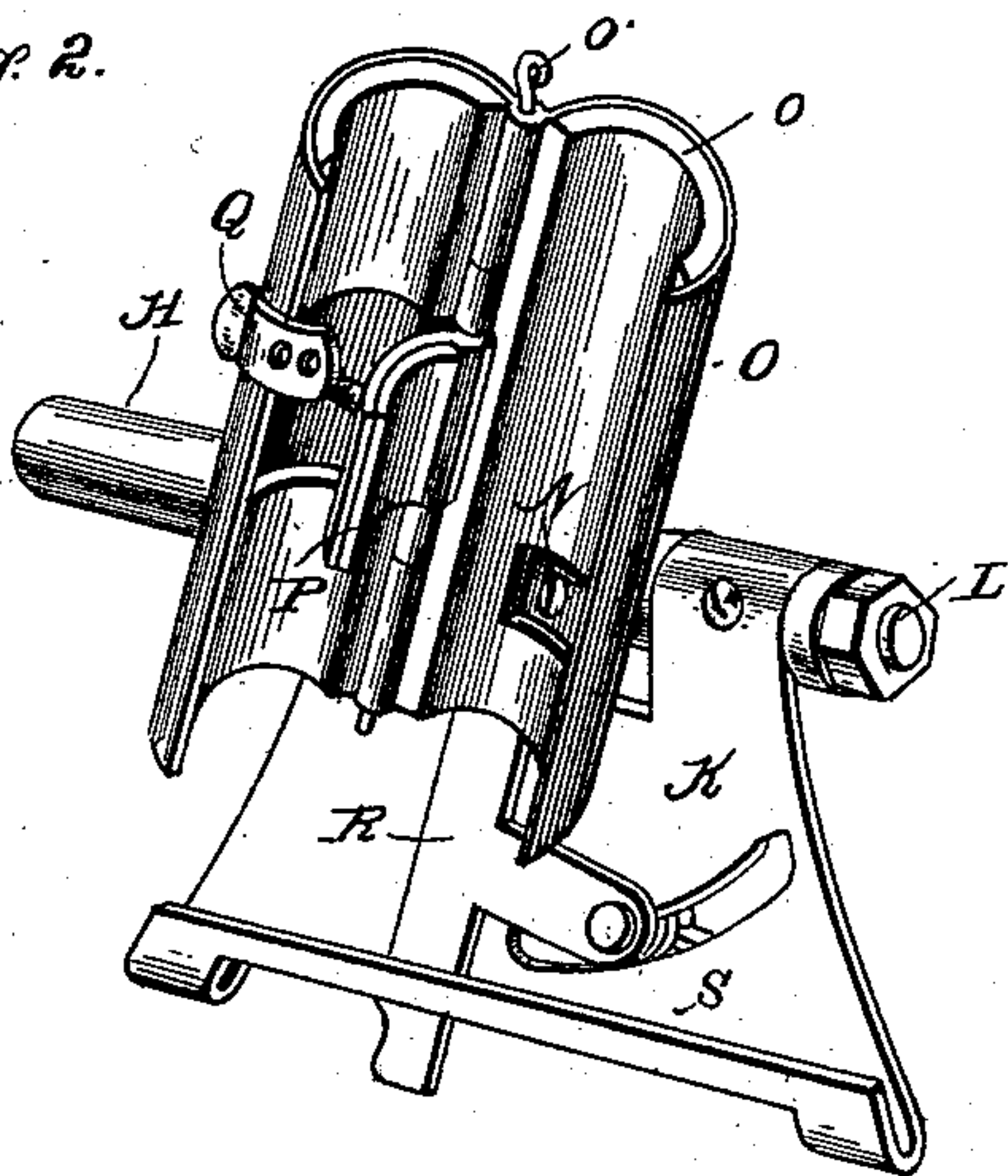
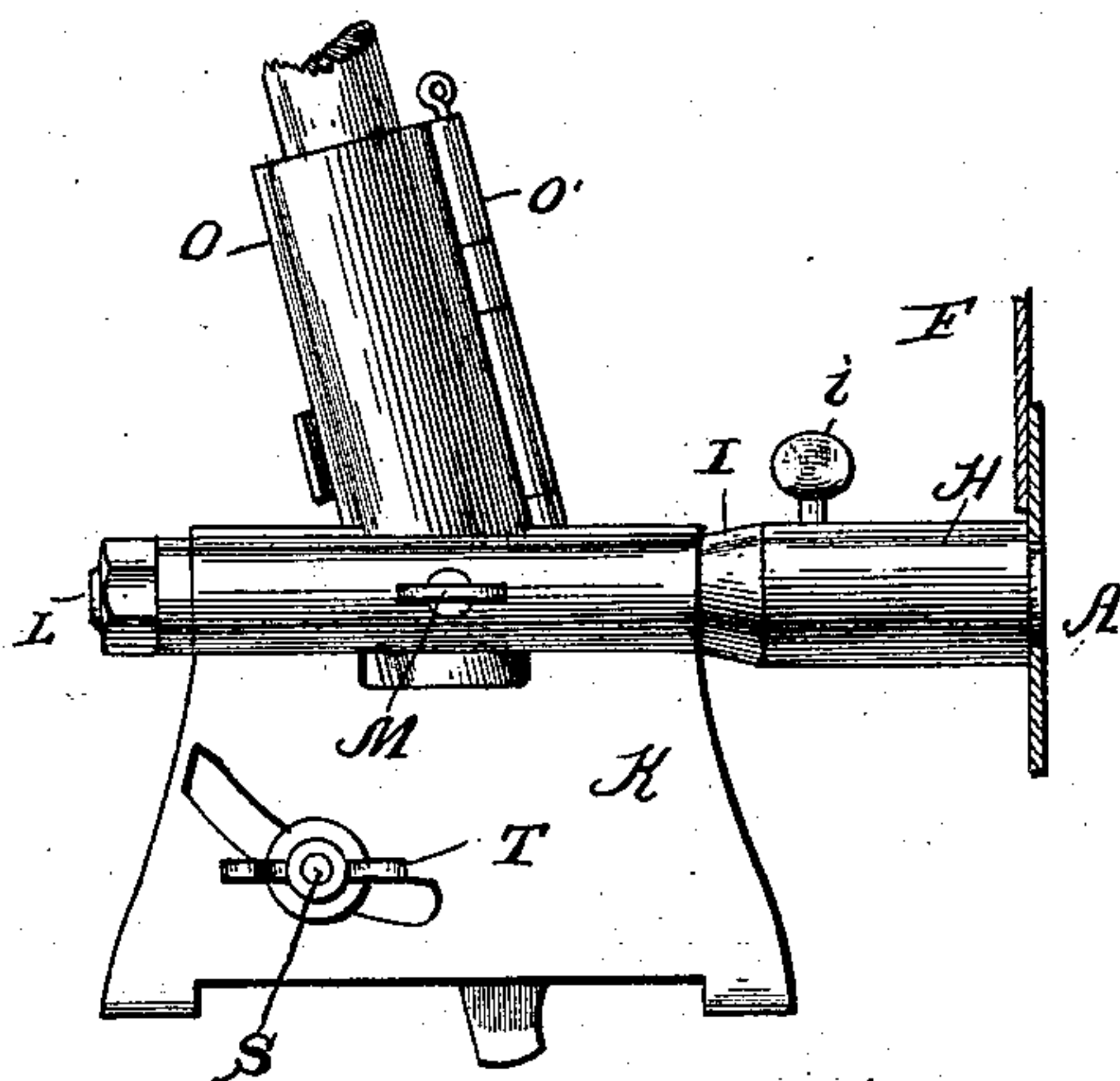


Fig. 3.



Witnesses.  
Victor J. Evans.  
H. M. Marble.

Inventor.  
Neil D. Brooks.  
By *E. M. Marble*  
Attorney.



# UNITED STATES PATENT OFFICE.

NEIL DENNISON BROOKS, OF COLUMBUS, OHIO.

## UMBRELLA-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 507,481, dated October 24, 1893.

Application filed January 3, 1893. Serial No. 457,087. (No model.)

*To all whom it may concern:*

Be it known that I, NEIL DENNISON BROOKS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Umbrella-Supporting Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to umbrella and parasol supporting devices, and particularly to umbrella supporting devices designed to be worn upon the person; and my invention consists in the novel means for supporting the umbrella from the person, in the novel means employed for adjusting the position of the umbrella to any desired angle, and in the novel clamp employed for grasping the handle of the umbrella, which clamp is capable of adjustment to handles of widely differing diameters.

The objects of my invention are: first, to provide a suitable harness which may be worn without inconvenience or discomfort, and from which the umbrella may be supported; second, to provide a joint which may be simply and easily operated, by which the position of the umbrella may be adjusted to any desired angle; third, to provide a form of clamp for grasping the handle of the umbrella which shall be capable of adjustment to handles of widely differing sizes, which shall hold firmly the handle, and which shall be capable of being instantly opened when it is desired to release the umbrella from the supporting device; fourth, to make the whole device simple, cheap in construction, and not liable to get out of order. These objects are attained in the device herein described and illustrated in the drawings which accompany and form a part of this application, in which the same reference letters indicate the same or corresponding parts, and in which—

Figure 1 is a perspective view of the complete device, showing the harness which supports the umbrella, with the umbrella clamping and adjusting device attached thereto. Fig. 2 is a detached perspective view of the umbrella clamping and adjusting device, the clamp being shown as open to receive the

handle of an umbrella. This figure also shows the means for adjusting the clamp to different sizes of handles. Fig. 3 is a side view of the clamp attached to the waist band of the harness, which band is here shown in section. This view is taken from the side opposite to that from which Fig. 2 is taken.

In the drawings, A is a broad band, preferably made of thin sheet metal, formed to fit the body of the wearer. To the ends of this band are secured the ends of a suitable strap B, adjustable by means of a buckle, the whole forming a belt which is designed to fit around the waist of the wearer. Somewhat above the band A is another narrower band C, likewise of metal. Behind it is a third band, D, likewise of metal, and the ends of bands C and D are connected by straps E, E, adjustable by means of suitable buckles.

The bands A and C are connected by a front piece F, of metal, and by straps G, G, which latter pass up over the shoulders of the wearer and are secured at the back to the band D. They may be of metal, or of leather, or of other suitable material, as preferred, and if desired suitable means may be provided for adjusting their length. At the points where these various bands come together they are firmly riveted, and cushions of leather or other suitable substance are provided to prevent the bands from chafing the body of the wearer.

To the band A, at its central point, is attached by any suitable means a socket H, adapted to receive the stem I of the clamping device, and a screw *i* serves to hold the stem in place. Upon the stem I, which is round, is mounted a plate K, the upper end of which is formed to have a bearing on this stem I. The plate is held from slipping off from the stem by a nut L. Since the stem is round, the plate may be swung into any desired angular position, and a screw M carried by the plate and bearing against the stem I is provided for clamping the plate K in any desired position. It is by this means that the crosswise adjustment of the position of the umbrella is obtained.

Secured to the plate K by a suitable pivot screw N, Fig. 2, is a clamp O, which is nearly cylindrical and is formed of two equal curved plates *o* and *o'* hinged together at the back,



and the plate *o'* is provided with a suitable spring clasp engaging with a projection of the plate *o*, which clasp holds the parts together when the clamp is closed. The parts  
5 of this clamp are lined on their inner surfaces with rubber or other suitable material, which enables the clamp to grasp the handle of the umbrella more firmly than would be possible were the inner surfaces of the clamp  
10 of metal or wood, and at the same time avoids all danger of injuring the handle. If desired, this rubber might be made with a corrugated inner surface.

The means employed for adjusting the  
15 clamp to different sizes of handles is as follows:—The plate *o'* is recessed midway of its length, and in this recess fits the curved plate *F*, which is hinged upon the same rod which hinges the plates *o* and *o'* together. This  
20 plate is lined on its inner surface with rubber, and a screw *Q* having a bearing in plate *o'* is provided to press this plate against the handle of the umbrella. The handle is thus held between this plate *P* and the plate *o*.  
25 Adjustment to different sizes of handles is effected by turning this screw *Q* in the one direction or the other.

As above stated, the clamp *O* is pivotally attached to the plate *K*. The plate *o* forming a part of the clamp has a downwardly projecting leg *R* which carries a screw *S* projecting through a curved slot in the plate *K* and on this screw is a nut *T* which serves to hold the clamp in any desired position. The lower  
35 end of the plate *K* is turned upward and is slotted through the bottom of the groove thus formed, and in this slot works the end of the leg *R*, the clamp *O* being thereby more firmly braced in position.

40 In using my umbrella supporting device, the straps *B* and *E*, *E* are taken out of their buckles, and the harness is then slipped on over the head of the wearer, until the bands *G*, *G* rest on his shoulders. The straps *B* and  
45 *E*, *E* are then passed through their buckles and drawn up tight enough to secure the harness firmly to the wearer. The clamping device is then attached to the harness, if it is not already so attached, by inserting the stem  
50 *I* in the socket *H* and turning up the screw *i*. The clamp *O* is then opened by releasing the spring clasp holding the parts of the clamp together. The umbrella handle is placed within the clamp, the parts of which are then brought  
55 together until the clasp holds them firmly together, and the screw *Q* is turned until the plate *P* is pressed sufficiently firm against the handle of the umbrella to hold said handle securely in place. The umbrella may then  
60 be opened, and its position adjusted as desired, by swinging the plate *K* about the stem *I* for adjusting the umbrella to the one side or the other, and by swinging the clamp *O* about its pivot for adjusting the umbrella forward and backward. If it is not desired to  
65 carry the umbrella elevated, the screw *M* may be loosened and the plate *K* turned over un-

til the umbrella hangs downwardly and diagonally across the body, in which position it is quite out of the way.

70 It will ordinarily be found most convenient and satisfactory to wear the harness from which the umbrella is supported beneath the waistcoat, the socket projecting outward in the space between two buttons. In this position the harness is out of sight and does not attract attention.

It is evident that the form of umbrella supporting clamp and adjusting device herein described may be used without the harness  
80 to support umbrellas and similar articles wherever required. Thus, a socket like *H* may be secured to the seat of a vehicle, or to the handle bar or other suitable part of the framework of a bicycle by any well known  
85 means, and will then form a suitable means for attaching the clamp to the vehicle, so that the umbrella may be carried by said clamp and secured in any desired position.

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

1. In an umbrella supporting device, the combination, with a socket *H* suitably supported, a cylindrical stem *I* fitting into said  
95 socket, and means for holding said stem in place, of a plate *K* revolubly mounted on said stem *I*, means for securing said plate in any desired position, and a clamp attached to said plate for receiving the umbrella handle, substantially as described.

2. In an umbrella supporting device, the combination, with a socket *H* suitably supported, a cylindrical stem *I* fitting into said  
105 socket, and means for holding said stem in place, of a plate *K* revolubly mounted on said stem, means for securing said plate in any desired position, a clamp pivoted to said plate and adapted to receive the handles of umbrellas, and means for securing said clamp  
110 in any desired position, substantially as described.

3. In an umbrella supporting device, the combination with a two-part clamp provided with means for holding said parts together, of  
115 a plate, hinged so as to play between said parts, and provided with means for adjusting the position of the same, substantially as described.

4. In an umbrella supporting device, the  
120 combination with a clamp *O* formed of two parts *o* and *o'* hinged together and a clasp for holding the said clamp closed, of the hinged plate *P* likewise hinged to the said plate *o'*, and a screw for pressing said plate *P* against  
125 the umbrella handle, substantially as described.

5. In an umbrella supporting device, the combination with a two-part clamp, a clasp for holding said parts closed and a plate  
130 hinged so as to play between the parts of the said clamp, provided with means for adjusting the position of the same, of cushions of rubber or other suitable elastic material at-



tached to the parts of said clamp and said plate, substantially as described.

6. In an umbrella supporting device, the combination, with a socket H suitably supported, a stem I fitting into said socket, and means for holding said stem in place, of a plate K mounted on said stem and adapted to swing about the same, means for securing said plate in any desired position, a clamp O pivotally connected to said plate K, a leg R projecting from said clamp O and passing through a slot in said plate, and a screw

carried by said leg R and likewise passing through a slot in said plate, and a nut T on the end of said screw, whereby the clamp O is secured in any desired position, substantially as described. 15

In testimony whereof I affix my signature in presence of two witnesses.

NEIL DENNISON BROOKS.

Witnesses:

J. A. WEBB,

I. F. HAYNES.