H. S. Heermance.

Umbrella Support.

No. 63,517. Patented Apr. 2, 1867.

Fig. 3.

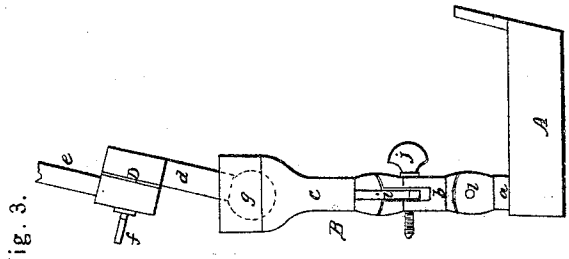


Fig. 2.

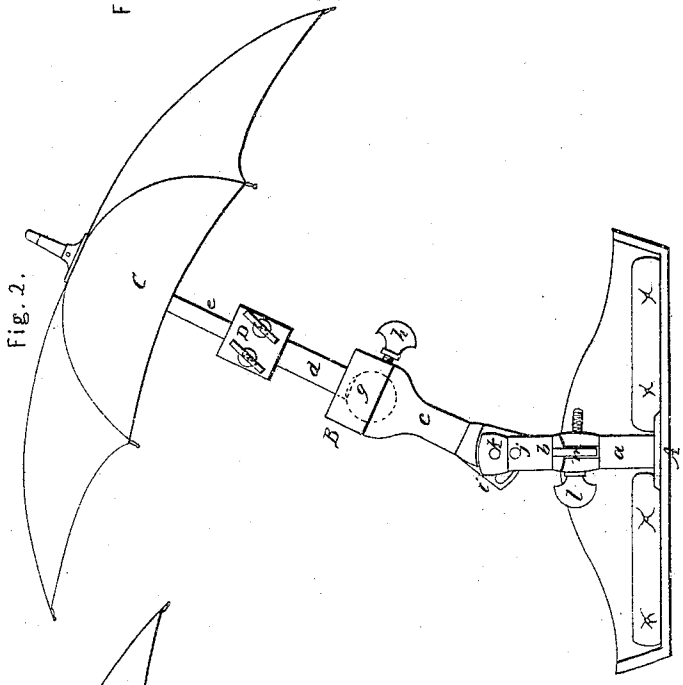
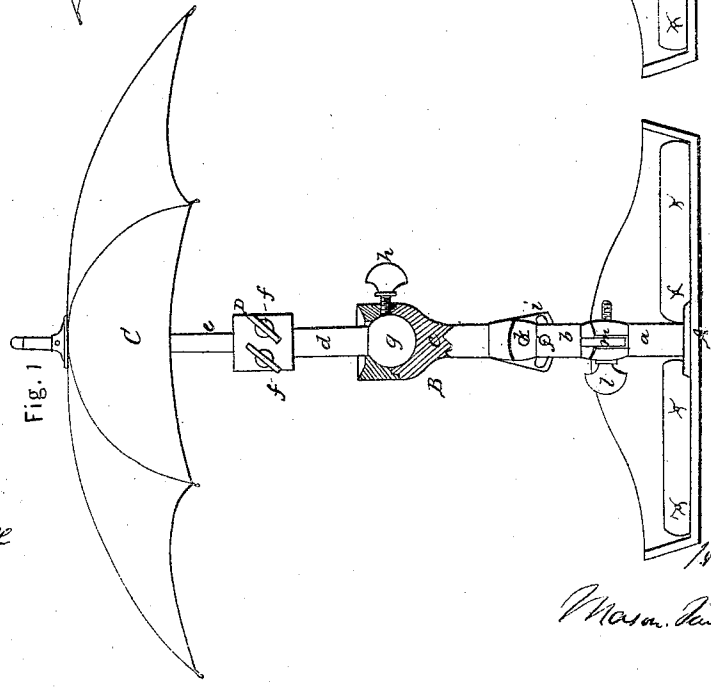


Fig. 1



Witnesses

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HENRY S. HEERMANCE, OF CLAVERACK, NEW YORK.

Letters Patent No. 63,517, *dated April* 2, 1867.

IMPROVEMENT IN UMBRELLA SUPPORTERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY S. HEERMANCE, of Claverack, in the county of Columbia, and State of New York, have invented an improved Umbrella Supporter; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front view, showing the umbrella supporter applied to the seat of a vehicle, and adjusted in a perpendicular position.

Figure 2 is a similar view of the same parts, showing the umbrella inclined to one side.

Figure 3 is a side view, with the umbrella removed, showing its staff inclined backward.

Similar letters of reference indicate corresponding parts in the three figures.

The object of this invention is to provide for adjusting the staff or support of an umbrella, and setting it at any required angle, for the purpose of protecting a person riding in a vehicle or in a pleasure-boat from the sun or the rain. The invention relates particularly to the construction of the staffs of umbrellas, which are secured to some fixed object, such as the open seat of a buggy, or other vehicle; still it is applicable to portable umbrellas, or those which are carried in the hand. The invention also provides for supporting the staff of a common umbrella in such manner that the umbrella can be adjusted and fixed at any desired angle from a perpendicular, as will be hereinafter described.

I am aware that parasols or sun-shades have been made with jointed staffs, so that the shades could be adjusted at right angles to the staff; but in such instance no provision was made for fixing the shades at different angles, and it was never contemplated to use them for vehicle seats.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

In the accompanying drawings I have represented my invention applied to the seat, A, of a vehicle, but it may be applied to a fixed object on any kind of conveyance, where it is desired to protect a person from the sun or rain. C represents a common umbrella, the staff *e* of which is secured to the upper end of an adjustable staff or standard, B, by means of a clamp, D, and set-screws *f f*. This clamp D is applied to a section, *d*, of the standard B, which section has a ball, *g*, formed on its lower end, that is fitted into a socket in the upper end of a section, *c*, as shown in fig. 1. This ball-and-socket joint will allow the umbrella-staff and upper section, *d*, to be adjusted at any desired angle, and by means of the set-screw *h* the umbrella can be secured rigidly at such angle. Below this universal joint the section *c* is attached to the section *b* by means of a slotted sector, *i*, and pivot *k*, which latter will allow the sections *c* and *d*, with the umbrella-staff *e*, to be adjusted laterally, and by means of the set-screw *j* secured at any desired angle. The short section *b* is pivoted to the section *a* by means of a tenon, *m*, and adjusting screw *l*, so that the sections *b*, *c*, and *d* can be adjusted and secured at any desired angle forward or backward. The section *a* may be secured to the seat A by screwing its lower end into a plate upon said seat, or in any other suitable manner which will admit of its removal at pleasure.

It will be seen from the above description that each one of the joints of the sectional staff B is provided with means for rendering such joints rigid or flexible at pleasure. In some cases a single universal joint and two sections of the standard B will answer the purpose, and for this reason I do not confine my invention to more than one joint. Instead of using the clamp D for receiving and holding a common umbrella, the umbrella may be applied to the staff *d* in the same manner that it is applied to the staff *e*. Instead of employing a ball-and-socket joint, two joints corresponding to those which connect the sections *a*, *b*, and *c*, may be used. I, however, prefer to use the universal joint, either with or without the single joints. If the surface of the ball *g* be serrated or roughened in any suitable manner the friction in its socket will be increased and less strain will be upon the set-screw *h*.

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

1. The combination of the clamp D, ball-and-socket joint *g c*, and standard or support *a*, in the construction of an umbrella support, substantially as and for the purpose set forth.

2. The combination of the points *j k*, and the ball-and-socket joint *g c*, in an umbrella support, substantially as and for the purpose described.

3. The combination of the joints *j*, *k*, and *m*, substantially in the manner and for the purpose described.

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Witnesses:

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