(No Model.)

J. A. CRANDALL.

PARASOL HOLDER FOR BABY CARRIAGES.

No. 588,958. Patented Aug. 31, 1897.

Fig. 1

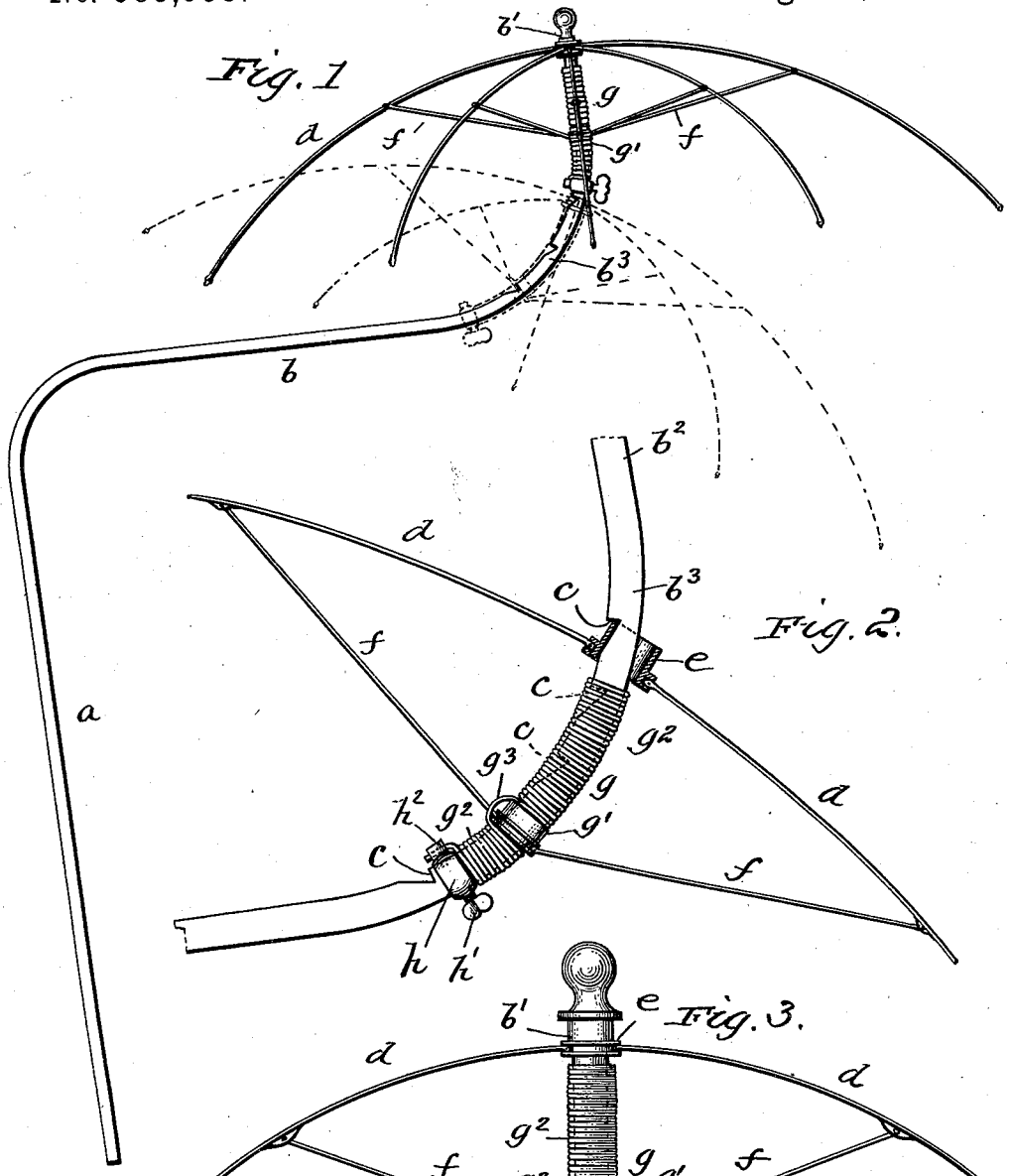
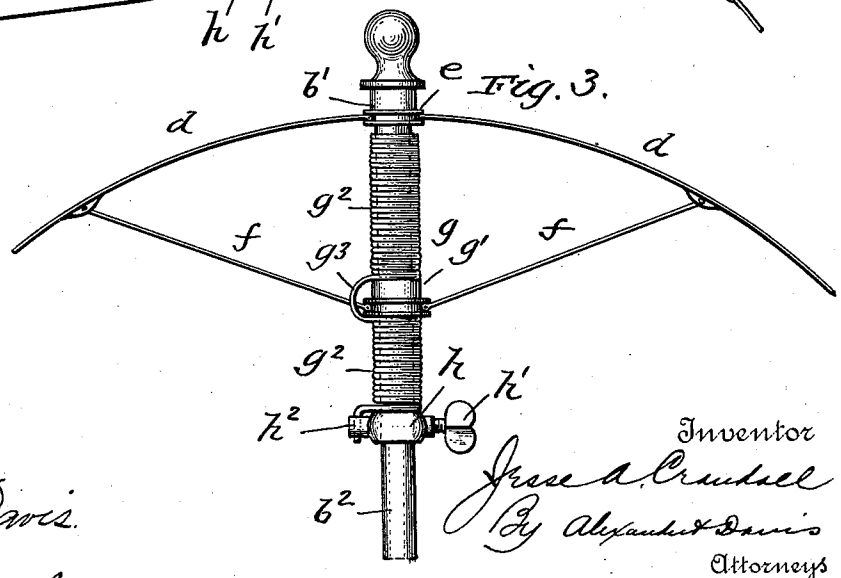


Fig. 2.

Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JESSE A. CRANDALL, OF BROOKLYN, NEW YORK, ASSIGNOR OF TWO-THIRDS TO LEONARD J. BETTS AND FRANK E. CALDWELL, OF SAME PLACE.

PARASOL-HOLDER FOR BABY-CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 588,958, dated August 31, 1897.

Application filed June 21, 1897. Serial No. 641,632. (No model.)

To all whom it may concern:

Be it known that I, JESSE A. CRANDALL, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Parasol-Holders for Baby-Carriages, &c., of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a side elevation showing the parasol adjusted to the top of the staff; Fig. 2, a sectional view showing the parasol set on the curved part of the standard; and Fig. 3, a side elevation, enlarged, showing the parasol adjusted to the upper end of the staff, as in Fig. 1.

The object of the present improvement is to provide simple means whereby the parasol may be adjusted and held at various angles, so that the child in the carriage may be fully protected from the sun at all times irrespective of the angle of the sun's rays, as more fully hereinafter set forth.

Referring to the drawings by letters, *a* designates the main or upright part of the staff, which is adapted, as usual, to be attached to the rear end of the baby-carriage, wheel-chair, or other vehicle, and *b* the portion of the staff that is bent forward over the carriage, the forward end of the part *b* being curved upward and provided with a stop *b'* at its extreme upper end. The upper part b^2 of the rod, after it makes the turn b^3, is approximately straight, so that when the parasol is adjusted to that part of the rod it will be supported in an approximately horizontal position. The inner side of the bent part b^3 is provided with notches *c*, for a purpose stated hereinafter.

The parasol is adapted to slide upon the rod, and is so constructed that it may pass around the curved part thereof and be secured on the curved part, if desired. The parasol consists of the usual ribs *d*, pivoted to the collar *e* in the usual manner, this collar being adapted to slide loosely on the rod, and the braces *f*, adapted to spread and to fold the ribs and pivotally connecting each of the ribs to the sliding runner *g*, this runner also fitting the rod loosely. The runner *g* consists of a narrow ring *g'* and the transversely-flexible extensions g^2, these extensions projecting from opposite ends or sides of the collar and fitting the rod loosely. The extensions are preferably formed of a single piece of wire closely coiled, the two extensions being connected together by carrying a portion of the wire over the narrow ring *g*, as at g^3, thus connecting the two extensions together and to the intermediate collar. Attached to the lower end of the runner is another solid ring *h*, which is provided with a set-screw *h'*, whereby the runner may be secured at any point along the rod. In the drawings the runner is shown to extend nearly to the sliding collar *e*, but it is evident that it may be shortened, if desired. The lower end of the coil of which the runner is constructed is fastened to the ring *h* by having the end of the wire secured in a lug h^2 on said ring.

The operation and the manner of adjustment will be obvious from the drawings. The umbrella is opened and folded in the usual manner, being held in its open position by the set-screw *h'* or by any other suitable fastening device. The runner being made flexible may readily pass around the curved part of the supporting-rod. When the parasol is adjusted to the extreme upper end of the support, the stop *b'* affords an abutment for the sliding collar *e*, and when adjusted to the curved part of the support the collar *e* automatically engages the notches *c*, and these notches afford the necessary abutment, the resiliency of the parasol-frame serving to press the collar into the notches. It will be seen that the advantage in forming the notches on the inner side of the bent portion is that the collar normally engages them and will remain in engagement until dislodged by the hand of the attendant, it being simply necessary in disengaging the collar to press it slightly to one side until it is free of the notch, whereupon the elasticity in the umbrella-frame will press the collar beyond the notch and into the notch next above. This arrangement makes a very simple adjustment, as after the parasol is set at the bent part of the support its angle may be varied considerably without moving the set-screw on the runner by simply engaging the

collar *e* in any one of the notches desired. To increase the angle of the parasol, it is simply necessary to press downward on the collar and let it automatically engage the desired notch, and to decrease the angle it is simply necessary to disengage the collar from the notch that may be holding it (this disengagement being accomplished by simply pressing the collar slightly to one side, as is obvious) and permit the elasticity of the umbrella-frame to force the collar upward and into the notch desired. In this way the parasol is made very readily adjustable and is permitted to be adjusted to any angle desired.

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

1. The combination of a curved supporting-rod and a parasol adapted to slide bodily thereon, said parasol consisting of the usual ribs, and braces and runner, said runner being transversely flexible, and means for fastening the parasol at any desired point on the supporting-rod, substantially as described.

2. The combination of a bent supporting-rod, with a parasol slidingly mounted thereon, said parasol consisting essentially of a sliding collar, and a sliding runner and ribs and braces, and means for adjustably fastening the collar to the supporting-rod and means for also adjustably fastening the runner to the supporting-rod, substantially as described.

3. The combination of a supporting-rod bent or curved at a portion of its length and provided with a series of stop-notches at said bent portion, a parasol adapted to slide bodily upon said support, and consisting essentially of a sliding collar, a runner, and ribs and braces, said sliding collar of the parasol being adapted to engage said stop-notches and means for fastening the runner to the support, substantially as described.

4. The combination of a bent or curved supporting-rod provided with stop-notches, of a parasol slidingly mounted thereon and consisting of a loose collar adapted to engage said notches, ribs pivoted to the collar, a flexible runner provided with means for fastening it to the support at any point, and suitable braces, substantially as described.

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

JESSE A. CRANDALL.

Witnesses:
NOAH TEBBETTS,
WM. H. CUNNINGHAM.