(No Model.)

# C. W. TROW.

## SHADE HOLDER FOR CARRIAGES.

No. 344,883. Patented July 6, 1886.

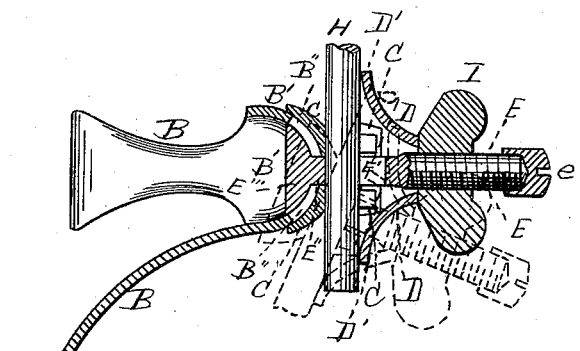

Fig. 2.

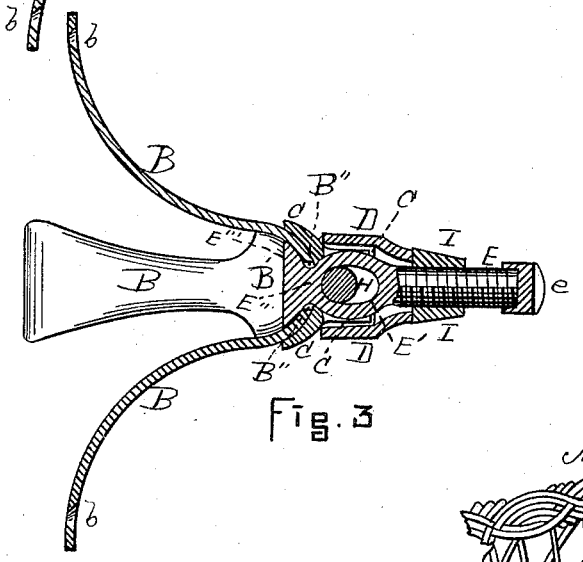

Fig. 3

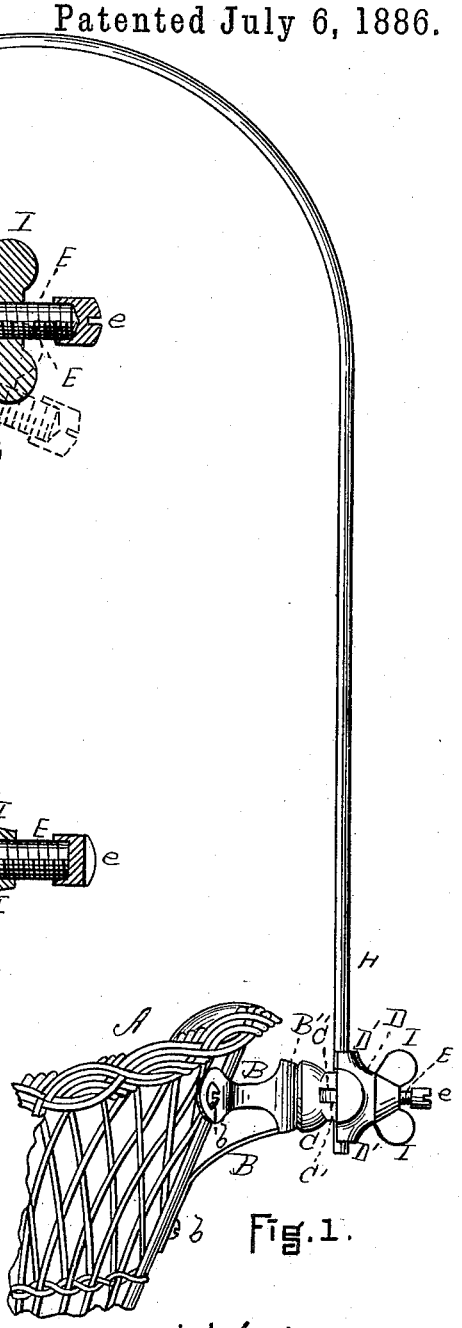

Fig. 1.

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# UNITED STATES PATENT OFFICE.

CHARLES W. TROW, OF WAKEFIELD, MASSACHUSETTS, ASSIGNOR TO THE WAKEFIELD RATTAN COMPANY, OF SAME PLACE.

## SHADE-HOLDER FOR CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 344,883, dated July 6, 1886.

Application filed May 7, 1886. Serial No. 201,494. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. TROW, of Wakefield, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Clamps for Holding the Rods for Supporting Carriage Shades or Parasols, of which the following is a specification.

This invention relates to a clamp or holding device attached to the body of the carriage, for holding adjustably the rod which supports the shade or parasol for a child's carriage.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 represents an elevation of my improved clamp in position on the body of a carriage and supporting the shade-rod. Fig. 2 is an enlarged vertical section of the device. Fig. 3 is an enlarged horizontal section of the same.

A represents a portion of the carriage-body.

B is a tripod secured by screws at the points *b* to the carriage-body. The central portion, B′, of this tripod is concavo-convex, and is provided with a vertical slot, B″.

C is a shell provided with a central opening and horizontally grooved at C′, said shell being placed next the portion B′ of the tripod.

D is a shell, also provided with a central opening, and elongated or provided with grooved wings D′, as shown.

E is a screw-bolt provided on its outer end with the screw-cap *e*, said screw-bolt passing through the central openings in the shells D and C and the vertical slot B″ in the central portion, B′, of the tripod. Opposite the groove C′ in the shell C the bolt is enlarged, so as to allow of the hole or perforation E′ coincident with said groove, and at the point where it passes through the slot B″ it is made smaller, so as to form an annular groove, E″, while its inner end, which is within the concavo-convex central portion, B′, of the tripod, is enlarged into a circular head, E‴, of shape to fit the inside of said portion B′. The rod H, which supports the parasol or shade, passes through the perforation E′ in the bolt, the groove C′ in the shell C, and the groove in the wings D′ of the shell D.

By turning up the thumb-piece I upon the screw E hard against the shell D said shell is forced toward the shell C as far as the rod H will allow, and the shell C is forced tightly upon the portion B′ of the tripod, and the head E‴ is drawn snugly against the inner side of said central portion, B′. The rod H is also by the same means securely and rigidly held on one side by the groove in the wings D′ of the shell D, and on the opposite side by the groove C′ in the shell C. Now, by slightly loosening the thumb-piece I the bolt is allowed vertical play in the slot E″, and is also allowed to rotate, the shell C meantime sliding vertically and rotating upon the central portion, B′, of the tripod. This produces, practically, a universal joint, and the rod H is thereby enabled to be placed in various positions at various angles, for the purpose of protecting the occupant of the carriage from the rays of the sun.

In practice the joint is operated by grasping the rod and moving it into the position desired, the thumb-piece I having been previously loosened, and being subsequently tightened.

It is not essential that the portion B′ should be supported by a tripod, as any suitable means of rigidly securing the same to the carriage-body may be used.

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

1. A universal-jointed clamp or clasp for adjustably securing the shade-rod to the body of a carriage, consisting, essentially, of the concavo-convex piece B′, provided with the slot B″ and rigidly secured to the carriage-body, the shell C, grooved at C′ and centrally perforated, the shell D, provided with the grooved wings D′ and centrally perforated, and the screw-bolt E, having its head E‴ within the concavo-convex piece B′ and provided with a thumb-piece, whereby said piece B′ and shells C and D may be forced together, substantially as and for the purpose set forth.

2. A universal-jointed clamp or clasp for adjustably securing the shade-rod to the body of a carriage, consisting, essentially, of the concavo-convex piece B′, provided with the vertical slot B″ and rigidly secured to the carriage-body, the shell C, grooved at C′ and centrally perforated, the shell D, provided with

the grooved wings D′ and centrally perforated, and the screw-bolt E, provided with the convex head E‴, situated within the concavo-convex piece B′, and the perforation E′, said screw-bolt extending through the perforations in the shells C and D and the slot B″ and provided with a thumb-piece, whereby said piece B′ and shells C and D are drawn together, substantially as and for the purpose described.

3. A universal-jointed clamp or clasp for adjustably securing the shade-rod to the body of a carriage, consisting of the tripod B, provided with the vertically-slotted concavo-convex portion B′, the centrally-perforated shell C, grooved at C′, the centrally-perforated shell D, provided with the grooved wings D′, the screw-bolt E, extending through the perforations in the shells C and D and the vertical slot aforesaid, said screw being provided with the convex head E‴, situated within the concavo-convex piece B′, the perforation E′, for the reception of the shade-rod, and the screw-head *e* and the thumb-piece I, whereby the parts above named are drawn together for clamping said shade-rod, substantially as and for the purpose set forth.

CHARLES W. TROW.

Witnesses:
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