(Model.)

F. EGE.

TOP SUPPORT FOR CARRIAGES.

No. 311,731. Patented Feb. 3, 1885.

Fig. 1

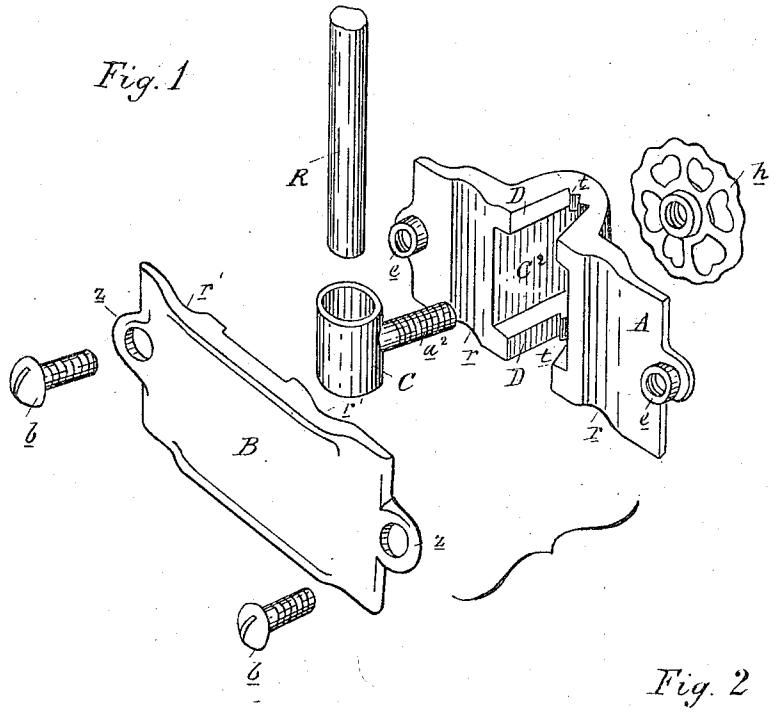
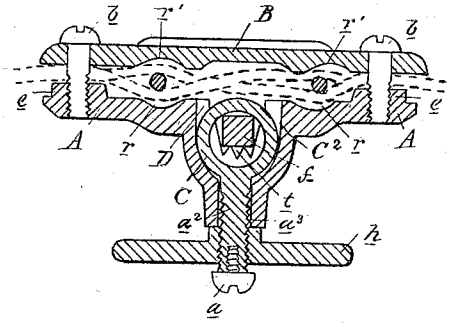


Fig. 2



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UNITED STATES PATENT OFFICE.

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TOP-SUPPORT FOR CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 311,731, dated February 3, 1885.

Application filed June 23, 1884. (Model.)

To all whom it may concern:

Be it known that I, FREDERICK EGE, of Detroit, county of Wayne, and State of Michigan, have invented a new and useful Improvement in Child's-Carriage-Top Supports, of which the following is a specification.

My invention relates to that class of supports used in securing a shade or canopy to a child's carriage, which are held by a single rod or shaft, said top or canopy being adapted to turn from side to side of the carriage to shade the child; and my invention is so constructed that a round or square supporting rod or shaft may be used and readily adjusted, as hereinafter set forth; and my invention consists in the general construction of parts.

In order to aid others skilled in the art to which my invention belongs to make and use it, I will proceed to describe its construction and operation with reference to the several drawings forming a part of this specification, in which—

Figure 1 is a perspective in detail. Fig. 2 is a longitudinal section of the same, showing the parts in proper position.

In the drawings, A represents the outer plate or part of my device, the inner face of which is provided with vertical recesses *r r*. The end portions of said plate have screw-threaded thimbles *e e*. At the center is a yoke or recess having sloping sides D D. The bottom of the recess, on opposite sides, is provided with a series of penetrating-teeth, *t t*. The central portion of the yoke is chambered, as shown at c^2, being sufficiently long and deep to allow the thimble C to lie within said chamber, as shown in Fig. 2. The thimble C has a screw-threaded shank, a^2, cast thereon, which passes through a hole in the hub a^3 of the plate A. (See Fig. 2.) The hand-wheel *h* has an internally-threaded hub, and is screwed upon said shank. I provide the outer end of the shank with a head, *a*, which prevents the wheel from coming off or being lost.

The above-described parts are attached to the outside of the body of the carriage. When the bodies are woven of willow, the uprights over which the fabric is woven produce swells or enlargements. (See Fig. 2.) These are covered by the recesses *r r* of the plate A and recesses *r' r'* of the plate B. The plate B is located on the inside of the carriage back or body, the parts being secured together and to said carriage back or body by two screw-bolts, *b b*, which pass through the eyes *z z* of the plate B, all of which is clearly shown in Fig. 2. The rod R, supporting the carriage top or canopy, should be sufficiently small to slide freely within the thimble C. The rod may be round or square. When a round rod or support is used, being inserted into the cylinder C, it can be raised or lowered by sliding through the same, and can be turned around to any position required. When the canopy or cover is properly adjusted, it is held by turning the wheel *h* to the right, which forces the cylinder C into the chamber C^2, which brings the supporting-rod R or *f* against the teeth *t t*, which hold said rod rigidly, as shown in Fig. 2.

I have shown in Fig. 2 a square rod or support, *f*, which is held by pressing one of the sides against the toothed bearings *t t*, and the top may be turned partly around, so that a corner of the square rod will fill the space between the teeth, as shown in dotted lines of Fig. 2, when tightening of the wheel *h* will cause the thimble C to crowd against the opposite corner of the supporting-rod *f* and to turn said square rod. The wheel *h* is loosened sufficiently to crowd the cylinder C back far enough to allow the corners of the rod *f* to turn within the enlarged part of the yoke between the sloping sides D D. It will be observed that the toothed bearings will hold said top-supporting rod from working up or down, also from turning, as the teeth are made sufficiently hard to penetrate the supporting-rod, whether round or square.

In attaching to the bodies of carriages having a solid or wooden back (not woven) the plate B may be dispensed with, and the plate A may be secured to said body by screws passing into it, or in any suitable manner common with such devices.

Having described my present invention in the most exact terms that I can give, what I claim as new, and desire to secure by Letters Patent, is—

1. In an adjustable top-support for a child's carriage, the plate A, having the toothed bearings *t t* above and below the chamber C^2, in combination with a thimble, C, adapted to lie within said chamber, said thimble having a screw-threaded shank passing through the hub a^3 of a wheel, *h*, and supporting rod R, substantially as and for the purposes set forth.

2. In combination with a woven or willow body of a child's carriage, the plate A, attached to the outside of said body, having vertical recesses *r r*, and central recess having inclined side flanges, D D, toothed bearings *t t*, screw-threaded thimbles, *e e*, of a cylinder, having screw-threaded shank a^2, hand-wheel, *h*, of a top-supporting rod, and the plate B, having vertical recesses *r' r'* and ears *z z*, said plate being attached on the inside of the body, and secured to said body by screws or bolts *b b*, substantially as and for the purposes set forth.

FREDERICK EGE.

Witnesses:
ROSCOE B. WHEELER,
JOHN DONALDSON.