

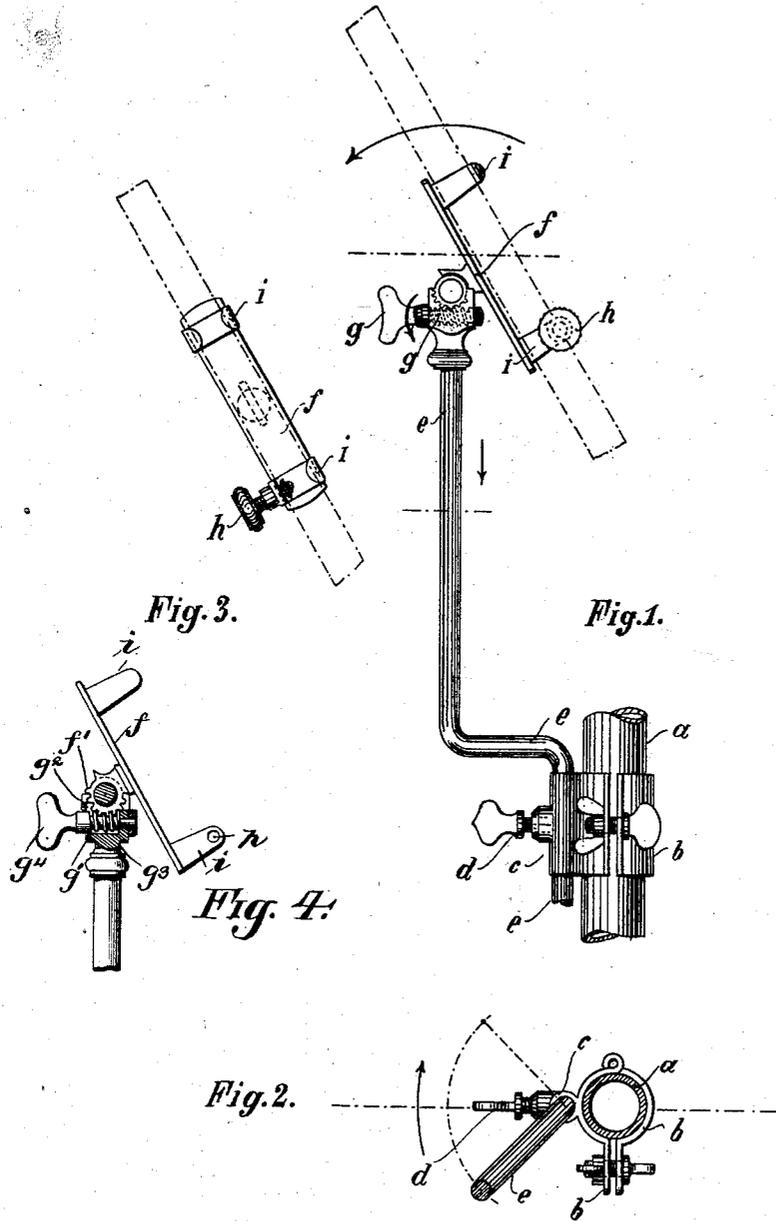
No. 635,612.

Patented Oct. 24, 1899.

E. C. F. TARDEL.
UMBRELLA HOLDER FOR VEHICLES.

(Application filed May 18, 1898.)

(No Model.)



Witnesses:

J. H. Keedy
Geo. W. Ren

Inventor:

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UNITED STATES PATENT OFFICE.

EMIL CLAUS FRIEDERICH TARDEL, OF PINNEBERG, GERMANY.

UMBRELLA-HOLDER FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 635,612, dated October 24, 1899.

Application filed May 18, 1898. Serial No. 681,094. (No model.)

To all whom it may concern:

Be it known that I, EMIL CLAUS FRIEDERICH TARDEL, a subject of the King of Prussia, Emperor of Germany, residing at Pinneberg, in the Kingdom of Prussia and German Empire, have invented certain new and useful Improvements in Apparatus for Fixing Umbrellas and the Like to Cycles and other Vehicles, (for which I have applied for patents in France, February 12, 1898, No. 264,667, and in England, April 13, 1898, No. 8,620,) of which the following is a specification.

This invention relates to apparatus for fixing an umbrella or the like to a cycle or other vehicle in any required position.

The chief advantages of this apparatus as compared with others of a similar kind are its lightness and convenience of manipulation.

In the accompanying sheet of drawings, Figure 1 is a side view of an apparatus constructed in accordance with my invention. Fig. 2 is a partial plan of same; Fig. 3, a part of same, shown separately; and Fig. 4 is a detail sectional view of the upper end portion of the apparatus or umbrella-support.

As shown in Fig. 1, an easily tightened and loosened socket or clamp *b* is fitted on a supporting-rod *a*, secured to some suitable part of the vehicle. In a tube *c*, formed with or connected to the clamp *b*, is guided a supporting-rod *e*, which can be fixed in any required position radially or vertically by means of the clamping-screw *d* and is bent or cranked, as shown, so that by axially turning the rod in the tube *c* the position of the umbrella, supported at the upper end of the rod, as hereinafter explained, can be shifted to either side, to the front, or to the rear relative to the person on the cycle. At the upper end of the supporting-rod *e* is pivoted a clamping piece or holder *f*, Figs. 1 and 3, which can be adjusted to any required angle by turning the worm *g*, gearing into a worm-sector on the piece *f* by means of its thumb-piece or handle. The worm *g* is journaled between the cheek-pieces *g'* *g*² of a head *g*³, secured to the upper end of the cranked rod *e*, and the worm-sector *f'*, forming a part of the holder *f*, is journaled between and to the cheek-pieces and meshes with the worm, so that without unloosening any part or parts of the apparatus the angle of inclination of the umbrella handle or stick can be varied by simply turning the thumb-piece *g*⁴.

A screw *h*, provided with a milled head, serves in concert with the spring clamping-checks *i* to hold the object to be carried, such as an umbrella or the like.

If, for example, an umbrella is to be carried on a cycle, the socket or clamp *b* is fixed to the supporting-rod *a* and the arm *e* in its tube *c* at the required height. The umbrella is held normally in a closed condition by means of the screw *h* and checks *i*, and the clamping-piece *f*, with the umbrella fixed to it, is adjusted by turning the screw *g* into the direction in which it can be most conveniently carried. When rain, sunshine, or wind occurs, the umbrella is opened and brought, by turning the cranked rod *e* and adjusting the clamping-piece *f*, into the position in which it will protect the rider, and the parts are then clamped in that position.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. An umbrella-support, consisting of a holder having a worm-sector at one side and means at the opposite side for holding an umbrella handle or stick, a vertical, crank-shaped rod having a head at its upper end to which said worm-sector is journaled, a rotatable worm mounted in the head and engaging the worm-sector, a clamp constructed to engage a support and having a tube in which the lower end of the vertical, crank-shaped rod can be turned axially to shift the umbrella laterally in either direction, and a device for holding the rod stationary in the tube, substantially as described.

2. An umbrella-support, consisting of a holder having a worm-sector and spring clamping-checks to hold the umbrella handle or stick, a vertical, crank-shaped rod having a head at its upper end provided with cheek-pieces between and to which the worm-sector is journaled, a worm journaled in said head, engaging the worm-sector and having a thumb-piece, a clamp having a tube in which the lower end of the crank-shaped rod is vertically adjustable and can be axially turned, and a device for holding the rod in said tube, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses.

EMIL CLAUS FRIEDERICH TARDEL.

Witnesses:

GUSTAV WEBER,
E. H. L. MUMMENHOFF.