No. 712,651. Patented Nov. 4, 1902.

D. R. COLLIER.

GO-CART.

(Application filed Mar. 20, 1902.)

(No Model.)

Fig. 1.

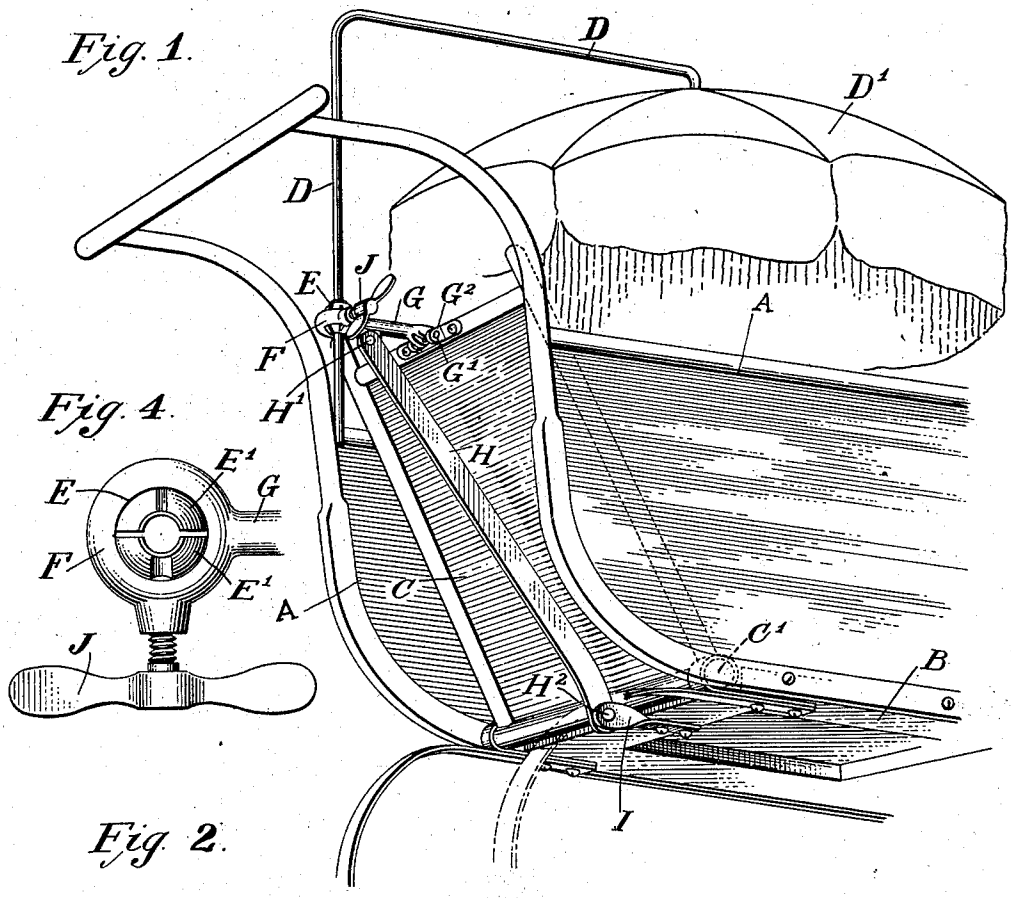


Fig. 4.

Fig. 2.

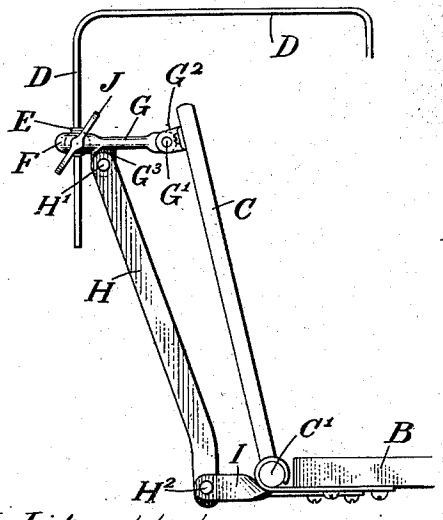
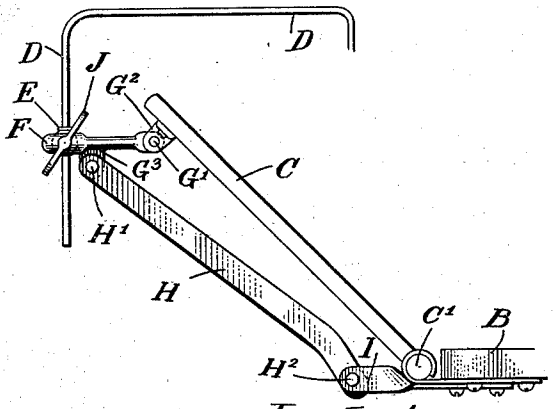


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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GO-CART.

SPECIFICATION forming part of Letters Patent No. 712,651, dated November 4, 1902.

Application filed March 20, 1902. Serial No. 99,056. (No model.)

To all whom it may concern:

Be it known that I, DAVID R. COLLIER, a citizen of the United States, residing at Gardner, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in Go-Carts, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 represents a portion of the body of a go-cart having attached thereto an umbrella-supporting device embodying my invention. Fig. 2 represents the umbrella-supporting device with the back of the go-cart in its raised or nearly vertical position. Fig. 3 represents the umbrella-supporting device with the back of the go-cart lowered or in its inclined position, and Fig. 4 is a top view of the ball-and-socket joint by which the umbrella-rod is held.

Similar reference-letters refer to similar parts in the different views.

My present invention relates to a device for supporting a canopy or umbrella upon a go-cart having a hinged or swinging back, by which the inclination of the back is varied; and it has for its object to provide a means for supporting the canopy or umbrella of a go-cart in the same relative position to the hinged back, so that the face of the occupant will be shielded whatever the position of the hinged back of the go-cart, and whereby the supporting-bar of the canopy or umbrella will always be maintained in a horizontal or other fixed position; and it consists in the construction and arrangement of parts, as hereinafter described, and set forth in the annexed claims.

In the accompanying drawings I have shown only so much of the go-cart as is necessary to illustrate the character of my invention.

A denotes the sides or body of the go-cart, B the bottom, and C the back, hinged at its lower edge at C′, whereby the inclination of the back is varied as desired. The means for raising and lowering the back and supporting it in a different position is, however, not shown in the drawings, as its construction and operation will be well understood, as go-carts provided with hinged backs are in common use.

The go-cart is provided with a canopy or umbrella support consisting in the present instance of a bent rod D, held at the rear of the go-cart and extending forward over its body in position to support a canopy or umbrella D′. Go-carts as heretofore constructed, so far as I am aware, have had the umbrella or canopy support held by the hinged back or by the fixed body of the go-cart. In the former case the position of the umbrella or canopy support was changed whenever the hinged back was raised or lowered and required to be adjusted with every change in the position of the hinged back. When the umbrella or canopy support is held by the fixed body of the go-cart, the raising or lowering of the hinged back changes its position relatively to the canopy or umbrella. In my improved device I support the bent rod D by passing its vertical member through a ball E, held in a socket F, forming a ball-and-socket joint upon the end of an arm G, which is hinged at G′ to a bracket G^2 near the top of the hinged back C. The arm G is provided on its under side with a lug G^3, to which is pivoted the upper end of a link H. The lower end of the link H is pivoted to the outer end of a fixed arm I, which is attached to the under side of the body B and projects rearward therefrom. The ball E is divided into the halves E′ E′ and is held in its socket F by means of a tightening-screw J, by which the halves are pinched together to hold the rod from vertical movement and also clamped in the socket F to hold the ball from turning. By loosening the screw J the vertical member of the rod D is loosened in the ball E, so it may be raised or lowered, and the ball E is also loosened in the socket F, so it may be tipped to bring the rod D at any desired angle. By tightening the screw J the rod D will be held in fixed relation to the arm G, and the arm G will be maintained in a horizontal position by means of the link H, whatever the position of the hinged back C may be, as the pivotal joints H′ and G′ will be maintained at the same distance from the

pivotal joint C′ and the pivotal joint H^2. As the back C is raised or lowered the umbrella D′ will be carried with it and held in the same relative position thereto, as illustrated in Figs. 2 and 3, and as the arm G is constantly held in a position parallel with the fixed horizontal arm I the umbrella-rod will be held in its horizontal or other fixed position.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination with the hinged back of a go-cart, of an arm pivoted to said back and provided with means for supporting a canopy or umbrella rod, of a link by which said arm is pivotally connected with the fixed portion of the go-cart, whereby said arm is maintained in the same position independently of the angle of the hinged back, substantially as described.

2. The combination with the hinged back of a go-cart, of an arm pivoted to said back, a ball-and-socket joint in said arm to receive a canopy or umbrella rod, a canopy or umbrella rod held in said ball-and-socket joint and means for maintaining said pivoted arm in the same position independently of the angle of the hinged back, substantially as described.

3. The combination with the hinged back of a go-cart, of an arm pivoted to said hinged back, means supported by said arm and adjustable thereon for holding a canopy or umbrella rod and means for maintaining said pivoted arm in the same position independently of the angle of said hinged back, substantially as described.

4. The combination with the bottom B of a go-cart, of a back C hinged thereto at C′, a fixed bar I projecting from the bottom, an arm G pivoted to said back and provided with means for supporting a canopy or umbrella rod and a link H by which said arm is pivotally connected with said bar I, substantially as described.

Dated this 18th day of March, 1902.

DAVID R. COLLIER.

Witnesses:
THATCHER B. DUNN,
MARY S. DUNN.