No. 691,964. Patented Jan. 28, 1902.

B. J. OLDING.

CANOPY FOR TRICYCLES, &c.

(Application filed Aug. 28, 1901.)

(No Model.)

Fig. 1.

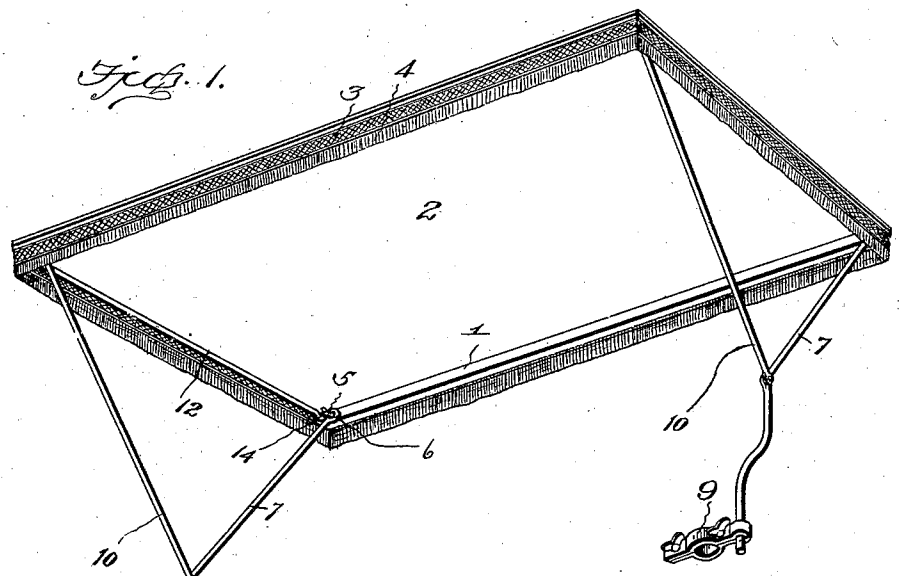


Fig. 2.

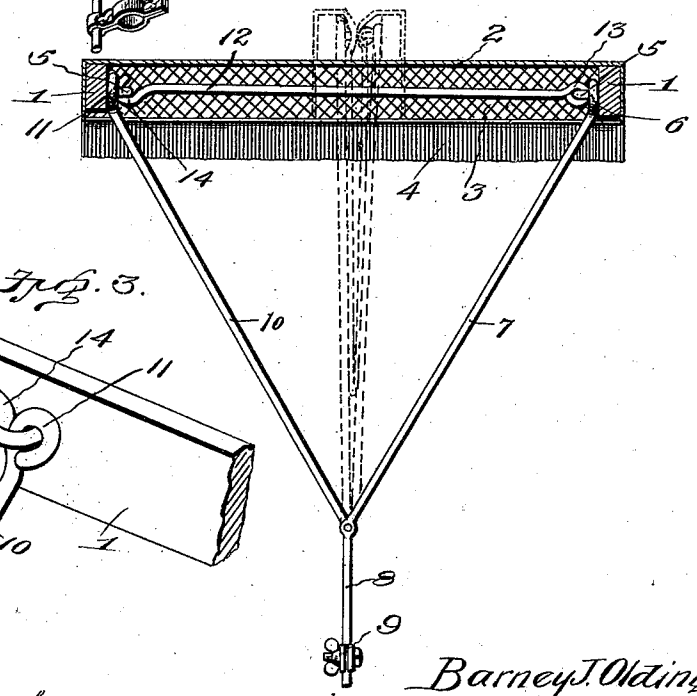


Fig. 3.

Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BARNEY J. OLDING, OF ST. HENRY, OHIO.

CANOPY FOR TRICYCLES, &c.

SPECIFICATION forming part of Letters Patent No. 691,964, dated January 28, 1902.

Application filed August 28, 1901. Serial No. 73,616. (No model.)

To all whom it may concern:

Be it known that I, BARNEY J. OLDING, a citizen of the United States, residing at St. Henry, in the county of Mercer and State of Ohio, have invented a new and useful Canopy for Tricycles and the Like, of which the following is a specification.

This invention relates to a canopy for tricycles and the like; and the object of the present invention is to provide a simple and effective device of this character strong and durable in its structure, easily applied in operative position, and readily removed and folded in compact form when not in use, the canopy shielding a rider from the sun as well as rain, and of such arrangement as not to interfere in the least with the movements of the rider or his access to the seat or obstruct in the least the free mounting of the machine.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a canopy embodying the features of the invention and looking upwardly thereinto from the under side. Fig. 2 is a transverse vertical section of the same, showing the manner of folding the canopy in dotted lines. Fig. 3 is a detail perspective view showing the manner of connecting and joining a portion of the parts of the canopy.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates opposite side frame-bars having the canopy-cover 2 firmly secured thereto, the said bars 1 extending full length of the canopy and preferably constructed of wood. The canopy-covering 2 is also preferably formed from a suitable waterproof material adapted to be freely folded and having a depending edge and fringe portion 3 and 4, the fringe depending from the edge portion 3 to give the canopy an ornamental appearance, the said edge portion being of net-like formation to permit circulation of air therethrough to the under portion of the covering and materially cool the latter, particularly when said covering is exposed to the sun. To the inner sides of the frame-bars 1, adjacent to the ends thereof, eyes 5 are secured and horizontally disposed, and movably attached to the eyes of the one frame-bar are the eyes 6 at the upper ends of inclined main supporting-rods 7, which have angular bends near their lower ends to provide substantially vertical uprights 8, which are curved to conform to the width of the machine to which the device is applied, the lower extremity of the said uprights having clamps 9 secured thereto for engaging the frame-bars or suitable parts of the machine on which the canopy is used. To the angularly-bent portions of the main supports 7 the lower ends of auxiliary supports 10 are pivotally connected, the upper ends of said auxiliary supports 10 having eyes 11, which loosely engage the eyes 5 of the frame-bar 1 opposite that to which the supporting-rods 7 are attached. The rods 7 and 10 are inwardly and downwardly inclined to reduce the lateral projection thereof adjacent to the rider of the machine to which the device is applied for obvious reasons. By this means it will be seen that the canopy may be spread outwardly or open and as readily folded or collapsed, and to hold the canopy in a reliable open condition spreader-rods 12 are employed at each end, each rod 12 being provided with an eye 13 to movably engage the eyes 5 on one bar 1 and also having hooks 14 at their opposite terminals to removably engage the eyes 5 on the opposite bar 1, and by the use of the spreader-rods the canopy will be held rigid when open and be also braced sufficiently to withstand ordinary vibrations or shocks. The rods 7 and 10, as well as the spreader-rods 12, are of light construction; but when combined with the frame-bars 1 in the manner set forth a strong frame structure will be produced, and a considerable canopy expanse of a comparatively light nature can also thus be arranged over a rider of a tricycle or the like and protect him from the sun or rain without the least interference with his movements in propelling the machine or in alighting or mounting the latter. Moreover, the canopy structure is of such light-weight nature that it will not materially add to the weight of the machine on which it is used, and, above all, the simple arrangement of the parts, together with the few number of the latter, renders the canopy in-

expensive in the cost of manufacture as compared with other devices of a similar character. When not in use, the canopy can be folded by detaching the spreader-rods 12, drawing the bars 1 together, and folding the supporting-rods 7 and auxiliary rods 10 inwardly against the under side of the device, and thereby reduce the canopy to compact form.

Changes in the form, size, proportions, and minor details may be resorted to without departing from the principle of the invention.

Having thus described the invention, what is claimed as new is—

1. In a canopy, the combination of opposite frame-bars having a flexible covering secured thereto and provided near their extremities with eyes, inclined main and auxiliary supporting-rods having their upper ends movably attached to the eyes respectively of said frame-bars and converging toward their lower extremities, the auxiliary supporting-rods having their lower ends pivotally connected to the main supporting-rods, and the main supporting-rods being extended downward beyond said pivotal points to form uprights adapted to receive securing devices, and spreader-rods movably attached at one end to the eyes of one frame-bar and having terminal hooks for removable engagement with the eyes of the other frame-bar.

2. In a canopy of the class set forth, the combination of frame-bars having a canopy-covering secured thereto, folding supporting devices movably attached to the said frame-bars and inclined inwardly and downwardly, the one set of supporting devices being pivotally attached to the other and the latter from the points of attachment of one set thereof being continued rigidly downward so that one set of supporting devices will be of continuous construction from their upper to their lower extremities, and a pair of spreader-rods movably attached to one bar and removably connected to the opposite bar, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

BARNEY J. OLDING.

Witnesses:
JOHN T. OMLOR,
ANDREW BRAMLAGES.