(No Model.)

G. J. JACKSON.

CANOPY FOR BICYCLES.

No. 531,845. Patented Jan. 1, 1895.

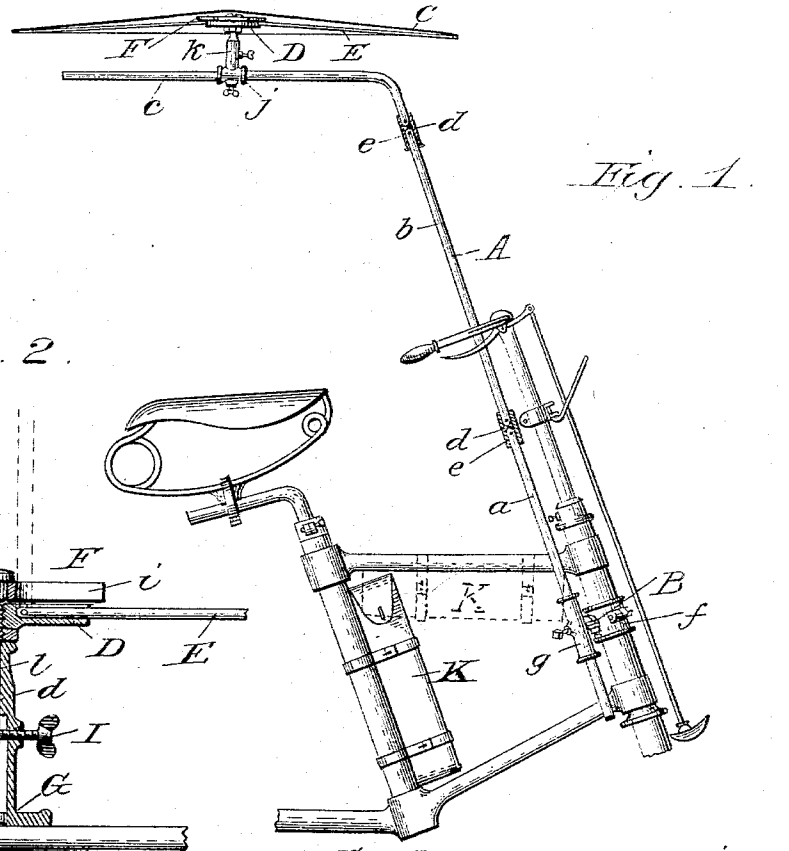
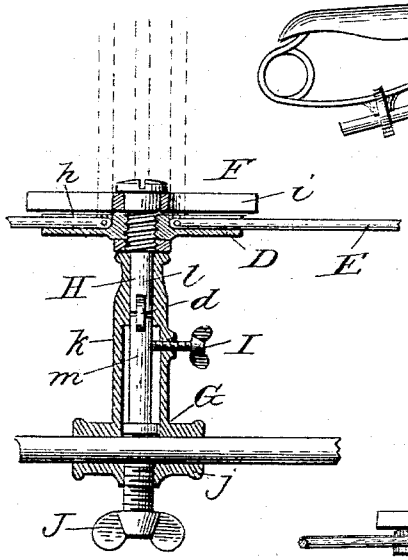


Fig. 1.

Fig. 2.



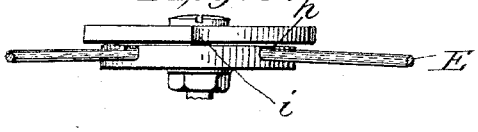
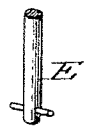


Fig. 5.

Fig. 4.



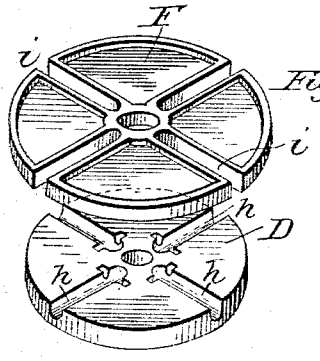


Fig. 3.

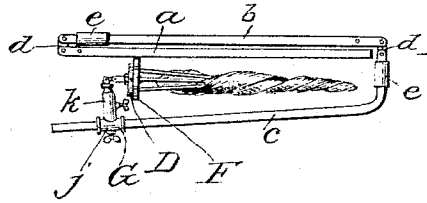


Fig. 6.

WITNESSES

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UNITED STATES PATENT OFFICE.

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CANOPY FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 531,845, dated January 1, 1895.

Application filed April 16, 1894. Serial No. 507,784. (No model.)

To all whom it may concern:

Be it known that I, GEORGE JEWESSON JACKSON, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a new and useful Canopy for Bicycles, of which the following is a specification.

This invention relates to canopies for bicycles.

My object is to provide an improved construction and combination of parts constituting a folding canopy that will greatly simplify their production, enhance their durability, render the parts easily replaceable, and enable them more easily and conveniently to be folded into a small space without disconnecting or separating any of the parts.

In the accompanying drawings forming a part of this specification, Figure 1 represents my improved canopy attached to the frame of a bicycle, with some of the parts in section. Fig. 2 is a sectional view taken through the center piece or disk of the canopy frame proper. Figs. 3, 4 and 5 are details of the center piece, locking plate, and arm of the canopy frame; and Fig. 6 is a view showing the canopy and its standard or staff folded.

Like letters in the different figures of the drawings are placed on corresponding parts.

The letter A designates the standard or staff of the canopy and it is secured to the frame of the bicycle by a suitable clip B. The staff is composed of two lower straight sections *a b* and an upper section *c* bent horizontally to extend rearwardly over the rider. These sections are hinged together by small links *d* and are held rigid when in use by sleeves *e* that slide upon and fit over the joints of the sections. The clip B has a clamp *f* to engage the bicycle frame and a part *g* to receive the lower section of the staff, both having set-screws for securing the parts properly together.

C is the canopy cover. Its supporting frame is composed of a disk or center piece D provided with radial grooves *h* and arms E hinged at the inner ends of the grooves so that the arms may be lifted out of the grooves and folded at the center of the disk as shown in Figs. 2 and 6. In order that the arms may be held securely in the grooves when the canopy is extended a cap plate F formed with slits *i* coinciding in position with the grooves *h* is rotatably fastened to the center piece D so that when the arms are turned into the grooves *h* the cap plate may be rotated so as to bring its solid portions over the grooves and arms and thus hold the arms in position as seen in Fig. 5.

The canopy is adjustably fastened to the horizontal section *c* of the staff by means of a T-head G having a cross sleeve *j* to receive, slide, and rotate upon the section and a somewhat elongated socketed stem *k* with a contracted mouth to receive a shank H on the center piece or disk D. This shank is formed of two parts *l m* jointed together in the same way as those of the staff. The lower end of the shank has a head that fits and slides within the stem and abuts against the mouth of the stem so as to prevent the shank from being entirely withdrawn. It will be seen that by this connection the shank may be drawn out and the disk turned so as to bring the arms of the canopy frame parallel with the section *c* of the staff and thus the parts may be folded as clearly shown in Fig. 6. A set-screw *l* will be used to hold the shank H firmly in the stem *k* when the canopy is in use and a set-screw J will be used to secure the sleeve *j* and section *c* together.

A bag or receptacle K to receive the canopy when folded is secured to the frame of the bicycle.

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

1. In a folding canopy, the combination of a standard or staff composed of jointed sections *a b c* bent to form a horizontal part to extend over the rider, the center piece or disk D having radial grooves *h*, arms E hinged at the inner ends of the grooves, rotatable cap plate F formed with slits *i* coinciding in position with said grooves, a jointed shank H on disk D, the T-head G having socketed stem *k* to receive shank H and cross sleeve *j* to receive section *c*, all constructed and operating substantially as shown and described.

2. In a canopy for bicycles, the standard or staff A formed of jointed sections *a b c* bent to form a horizontal part to extend over the rider, a folding canopy frame, a T-head G con-

structed to be secured to said horizontal part of the staff and provided with a socketed stem *k*, and a jointed shank H on the canopy frame movable longitudinally in the socketed stem, substantially as shown and described.

3. In a folding canopy, the combination of the center piece or disk D having radial grooves *h*, arms E hinged at the inner ends of the grooves, and a rotatable cap plate F formed with slits *i* coinciding in position with grooves *h*, whereby the arms may be turned up or folded when the grooves and slits coincide and the plate may be turned over the arms and grooves when the former are turned down into the grooves to lock the same in place, substantially as shown and described.

GEORGE JEWESSON JACKSON.

Witnesses:
S. W. MCCORMICK,
A. WILSON.