FRANK H. VICK & WILLIAM H. VICK.

Improvement in Lawn Canopies.

No. 121,693. Patented Dec. 5, 1871.

Fig 1.

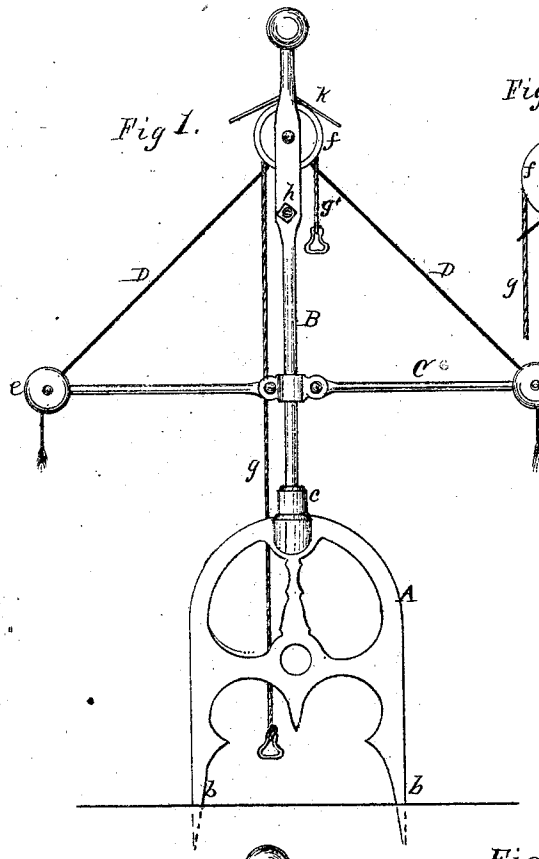


Fig 4.

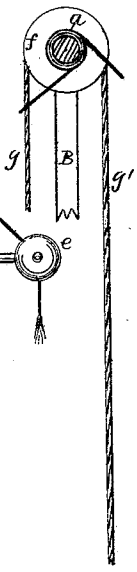


Fig 2.

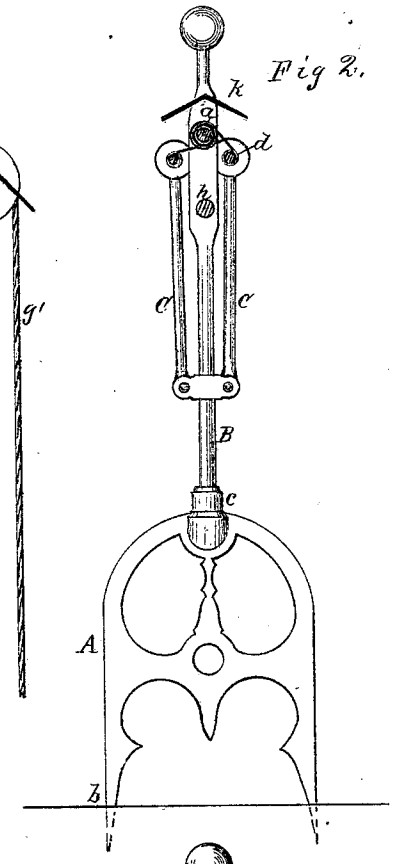
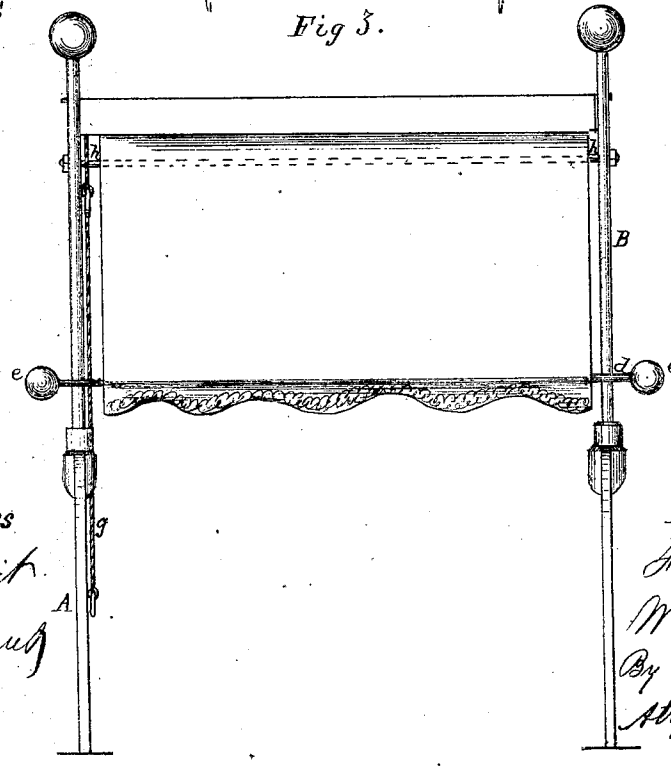


Fig 3.



Witnesses
A. H. Sargent
H. H. Kennedy

Inventors:
F. H. Vick
Wm. H. Vick
By M. S. Longabaugh
Atty.

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

FRANK H. VICK AND WILLIAM H. VICK, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN LAWN CANOPIES.

Specification forming part of Letters Patent No. 121,693, dated December 5, 1871.

To all whom it may concern:

Be it known that we, FRANK H. VICK and WILLIAM H. VICK, of Rochester, in the county of Monroe and State of New York, have invented certain Improvements in Lawn Canopies, of which the following is a specification:

Our invention relates to a tent or canopy to be used on lawns, pleasure grounds, and similar localities for the purpose of shading and protecting settees, refreshment tables, &c.; and it consists more especially in the use of a frame so constructed as to be readily put up or taken down and packed into a small compass for transportation or storage, and also in a method of attaching and folding up the canvas covering.

In the drawing, Figure 1 is a side elevation of our invention. Fig. 2 is a vertical section. Fig. 3 is a front elevation. Fig. 4 is an enlarged end view of roller *a* with pulley *f* attached.

A A are light metallic frames formed of wrought-iron or heavy wire and provided with two or more points, *b*, at the lower end, which may be forced into the ground to support the frames. B B are posts which are fitted loosely at the base into socket *c* formed upon the frames A. These posts sustain the canvas covering D by means of a roller, *a*, Fig. 2, and arms C. The latter are pivoted at their inner ends to the posts B, and rods *d*, to which the canvas D is attached, connect their outer ends, as shown. The ornaments *e*, at the extremities of these rods, are threaded and screwed upon the latter, and therefore may be readily removed when it is desired to take down the tent, and they also serve as weights to retain the canvas in position when lowered. The canvas is so attached to the roller *a* that when the latter is revolved the canvas is rolled up from both directions, as indicated in Fig. 4, and for the purpose of operating the roller we provide a sheave, *f*, upon it, over which cords *g g'* run. These cords are applied to the sheave in such a manner that when one is drawn down in the act of folding up the canvas the other is wound up in readiness to lower the covering when desired, and vice versa.

It might be desirable to use a single-groove sheave and an endless cord, and the latter might be kept taut by a loose pulley below.

The posts A are connected together by the tie-rod *h*, which is provided with a shoulder and nut at each end, the latter being removable when desired. Thus it will be seen that by removing the nut *e* and those upon the end of the tie-rod *h* the side frames A B may be disconnected, and by folding up the canvas and removing the posts B from the sockets *c* all the parts of the tent may be packed away in a small space, the arms C turning up by the side of the posts B, and the rods *h* and *d* being entirely detached and placed alongside the roller *a* and other parts for transportation.

For the purpose of protecting the canvas in stormy weather, we provide a roof or deck, *k*, which is also made detachable from the posts B for convenience in removing. When the canvas is folded up upon the roller *a* it is partially inclosed by this roof, as shown.

All the parts of our device are cheap in construction, and are readily set up and taken down when desired. The posts B may be lengthened and inserted in the ground, if desired, thereby dispensing with the sections A.

What we claim is—

1. In combination with the frames A B C the roller *a*, for the purposes set forth.

2. The roller *a*, provided with double-grooved pulley *f*, and cords *g* and *g'*, substantially as and for the purposes set forth.

3. In combination with the posts B, arms C, and roller *a*, the canvas D, arranged to be folded up, substantially as set forth.

4. The folding canopy A B C D, provided with roller *a*, tie-rods *h* and *d*, and folding-cords *g g'*, when the parts are arranged to be detached, substantially in the manner set forth.

FRANK H. VICK.
WILLIAM H. VICK.

Witnesses:
F. H. CLEMENT,
A. H. SARGENT.

(4)