G. I. HERBERT.
Portable Shelter.

No. 225,372. Patented Mar. 9, 1880.

Fig. 1.

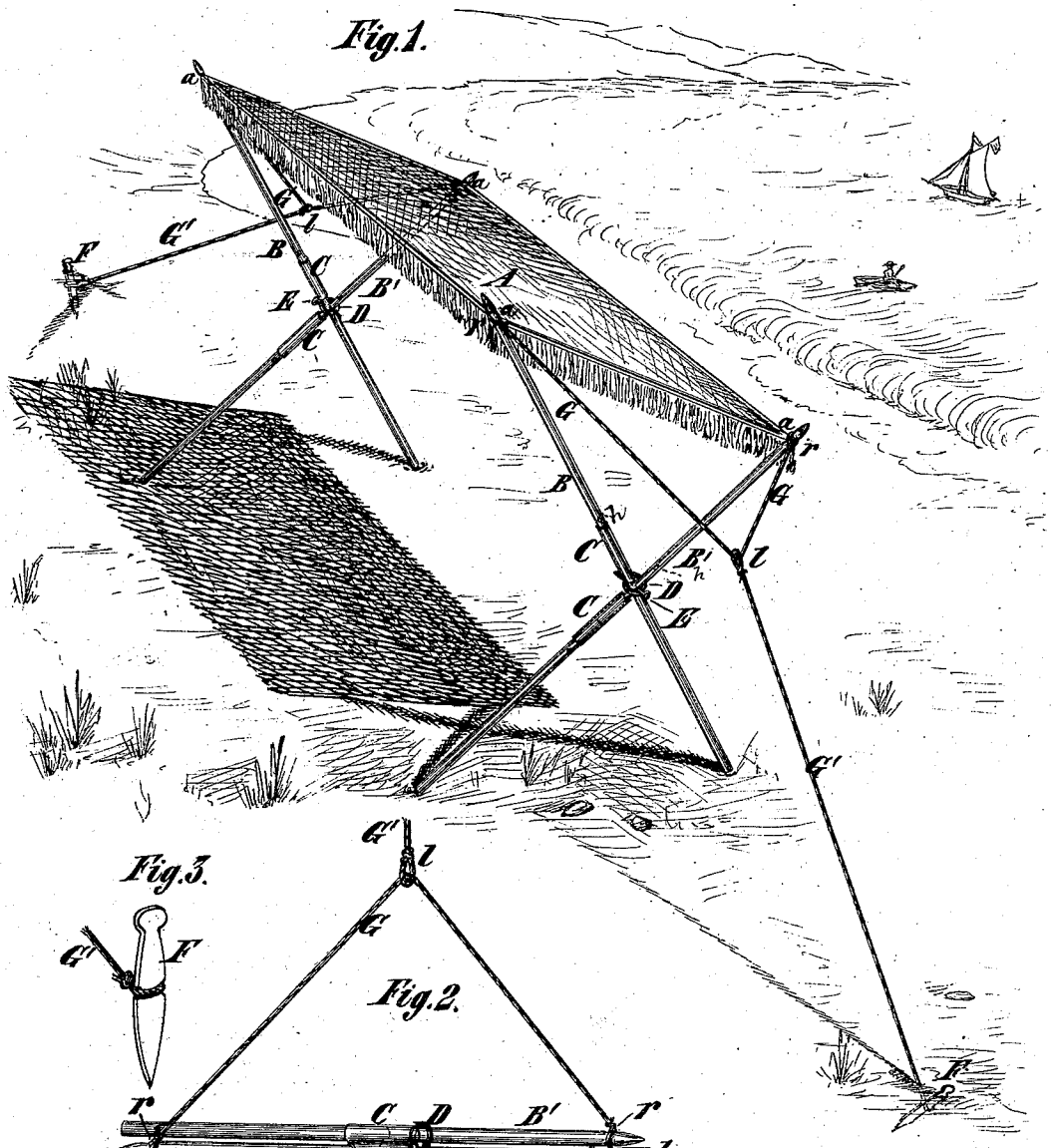


Fig. 3.

Fig. 2.

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GILBERT I. HERBERT, OF NEW YORK, N. Y.

PORTABLE SHELTER.

SPECIFICATION forming part of Letters Patent No. 225,372, dated March 9, 1880.

Application filed October 23, 1879.

To all whom it may concern:

Be it known that I, GILBERT I. HERBERT, of the city, county, and State of New York, have invented certain new and useful Improvements in Portable Shelters, of which the following is a specification.

The object of my improvements is to provide a portable shelter for use on the sea-shore, on lawns, or other sunny places, having facility for adjustment at different angles and heights for various purposes or situations, the requisite stability when in use to make it desirable, and, withal, the advantage of being susceptible of packing into a small space or bundle for transportation.

My invention consists in the combination, in a portable shelter, of pairs of crossed supporting poles or rods connected by joints consisting of rings of india-rubber or like material surrounding them and permitting of their adjustment lengthwise relatively to each other to effect the tilting of the awning. The said supporting poles or rods are preferably provided with series of perforations and detachable cross-pins, employed for connecting them by engaging with the said perforations.

It also consists in the combination, in a portable shelter, of pairs of crossed supporting poles or rods adjustable lengthwise relatively to each other, and guy-ropes consisting of sections attached to the pairs of poles or rods, and other sections having a slip-connection with the former sections.

In the accompanying drawings, Figure 1 represents a sea-beach, including a perspective view of a portable shelter embodying my improvements. Fig. 2 is a plan of one end of such portable shelter and a portion of its guy-rope; and Fig. 3 is a perspective view of a peg and part of a guy-rope which it is designed to secure.

Similar letters of reference designate corresponding parts in all the figures.

A represents an awning, consisting, as here shown, of a rectangular strip or sheet of woven or other suitable material of light weight and suitable texture to form a shade from the rays of the sun. It may be ornamented in any suitable manner with fringe or otherwise, and is provided at the corners with rings or loops *a*, which may be slipped over the upper ends of or over hooks *b*, extending from the upper ends of pairs of supporting poles or rods B B′. Spring or other clasps attached to the awning in lieu of rings or loops may be employed in connection with rings fastened to the poles in lieu of the hooks.

The poles of each pair cross each other crosswise of the awning A, and are connected by joints between their upper and lower ends. They may be severally composed of detachable sections connected by sockets C, secured to one section and receiving the end of another section, in order that said poles or rods may be conveniently shortened for transportation, or may be shortened or lengthened to adapt the shelter for any particular use. These poles or rods will, where necessary, be forced into the ground, so as to be afforded a desirable stability, or they may simply rest upon the ground.

The joints by which the poles or rods of each pair are connected are to be of such character that they will permit of the adjustment of each lengthwise relatively to the other. As shown, these joints consist of bands D, of india-rubber or other similar material, encircling the two poles or rods of each pair. They can be slipped up and down either of the poles or rods to connect its central portion nearer to or farther from that of its fellow, so as to effect the tilting of the awning, as shown in Fig. 1, for the purpose of enabling it to form a shade from rays of the sun falling aslant. In addition to these india-rubber rings, cross-pins E, passing through holes *h*, of which there is a series in each pole or rod, may be used to secure the poles together and in different relations to each other.

G G′ designate guy-ropes for staying the pairs of poles B, and severally composed of two parts or sections, G and G′, the former provided at the ends with loops or rings *r*, which are slipped over the upper ends of the said poles, and the latter provided with loops or rings *l*, embracing the former and having a slip-connection therewith. The outer ends of the sections G′ are fastened to pegs F, which are driven into the ground at some distance from the poles. The sections G′ of guy-ropes are fastened to the pegs at a point between their ends, where notches are provided to pre-

vent slipping. When the shelter is used on a sandy place, like a sea-beach, the pegs are intended to be driven down so that the ends of the guy-ropes will with them be buried in the sand, to increase their security.

By forming the guy-ropes of sections G G′, connected as described, the poles of either or both of the pairs may be adjusted relatively to their fellows, and the awning thereby tilted without unfastening the guy-ropes.

It will be seen that by my invention I produce a very simple and stable portable shelter, which may be conveniently tilted at will. It may be packed into a very small space for transportation, as the lower sections of the poles may be removed and all, or at least the top sections, rolled within the awning and tied with the guy-ropes.

A portable shelter embodying my improvements may also be conveniently used in a row-boat or vessel, for the lower sections of its poles may be detached to shorten them suitably, and the guy-ropes may be fastened to any suitable projections, or may be provided with pegs or devices which can be driven into the row-boat or vessel.

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

1. The combination, in a portable shelter, of pairs of crossed supporting poles or rods connected by joints consisting of rings of india-rubber or like material surrounding them and permitting of their adjustment lengthwise relatively to each other to effect the tilting of the awning, substantially as specified.

2. The combination, in a portable shelter, of pairs of crossed supporting poles or rods provided with perforations, surrounding connecting-rings of india-rubber or like material, and detachable cross-pins engaging with the poles or rods by means of said perforations, substantially as and for the purpose specified.

3. The combination, in a portable shelter, of crossed supporting poles or rods adjustable lengthwise relatively to each other, and guy-ropes consisting of sections attached to the pairs of poles or rods, and other sections having a slip-connection with the former sections, substantially as and for the purpose specified.

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