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CANOPY AND SUPPORTING MEANS THEREFOR

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Fig. 1.

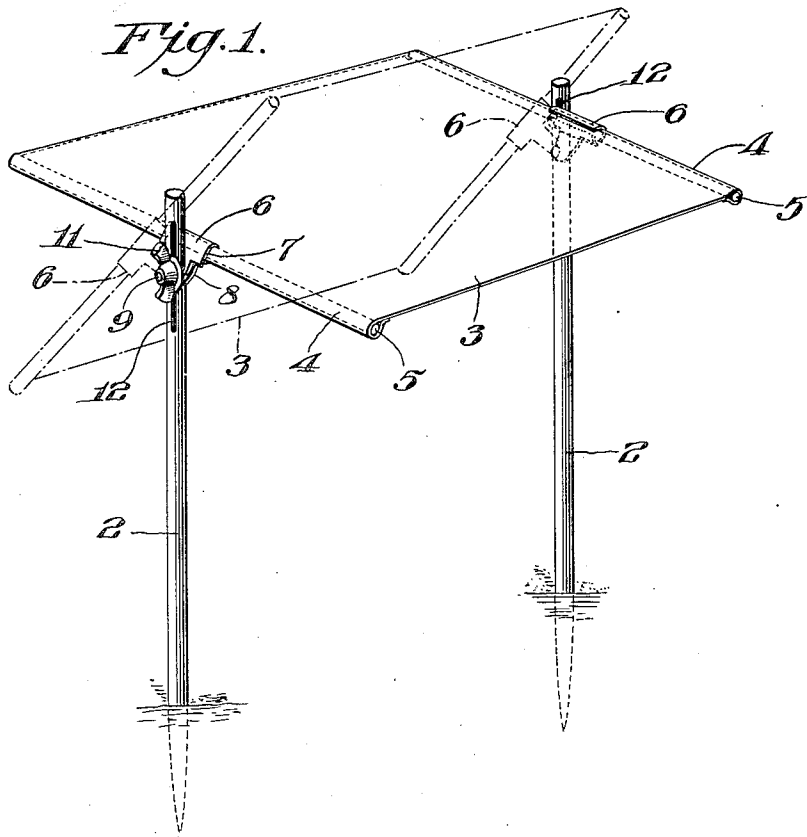


Fig. 2.

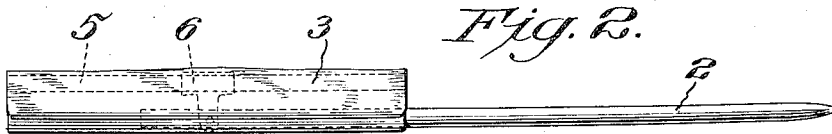


Fig. 3.

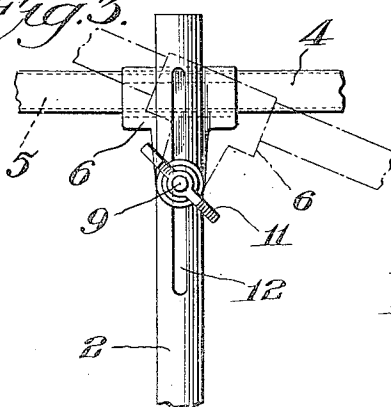
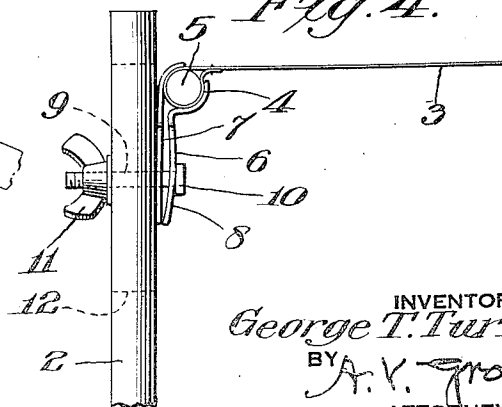


Fig. 4.



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CANOPY AND SUPPORTING MEANS
THEREFOR

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8 Claims. (Cl. 135—7.1)

This invention relates to improvements in canopies and supporting means therefor, and an object of the invention is to provide a novel, simple and advantageous construction and association of parts whereby the canopy may be supported in different positions of adjustment with respect to the place to be occupied by a person or persons or other things to provide a shelter for protection against the action of the sun's rays and against the action of wind and rain.

Another object of the invention is to so construct and arrange the canopy and its supporting parts relatively to one another that the same may be easily and quickly reduced to a compact form for transportation, and which may be easily and quickly opened from its compact form and set up in condition for use.

A further object of the invention is to so construct and arrange the parts of the entire apparatus that the canopy may be set in various positions of adjustment with a minimum of effort.

The invention resides in the elements and the combinations of them hereinafter described and claimed.

In the accompanying drawing, illustrating the invention,

Figure 1 is a perspective view of a canopy and its supporting means, showing one form of embodiment of the invention, the parts being illustrated in the open or set up condition for service.

Figure 2 is a side view of the canopy and its supporting means, showing the condition thereof when reduced to compact form for transportation.

Figure 3 is a side view of the upper portion of one of the standards, a part of the canopy and the means connecting the standard and the canopy.

Figure 4 is a front view of the parts shown in Fig. 3.

Referring to the drawing, 2 designates two standards which are constructed to be supported in lateral spaced relation. These standards may be of any desired construction suitable for their intended purpose and they may be supported as above indicated in any suitable manner.

As illustrated in the drawing, the lower end portions of the standards are made pointed to be inserted or driven into the ground or the sand of a beach and thus supported in the relationship above referred to.

A canopy 3 extends between the upper portions of the standards 2. The canopy 3 may be constructed of canvas or other textile or suitable material and the opposite ends thereof adjacent to

the standards 2 are provided with hems 4 for the reception of rigid spread bars 5.

Each hem 4 and the spread bar 5 therein is connected to and supported by a bracket 6 comprising two parts 7 and 8, and each bracket 6 is adjustably secured to the adjacent standard 2 by means of a threaded bolt 9 having a head 10 on the inner end thereof and a clamping nut 11 screwed on the outer end portion thereof. Each bolt 9 extends through a longitudinally extending slot 12 in the upper portion of its standard 2. The head 10 on the inner end of each bolt 9 engages the part 8 of its bracket 6, and the nut 11 engages the outer surface of its standard 2 in a manner to clamp the standard and the two parts of the bracket together between the head 10 of the bolt and the nut 11 thereon.

The two parts 7 and 8 of each bracket 6 are shaped, as clearly shown in the drawing, the lower end portions of the parts being shaped to engage each other, and the upper end portions of the parts being shaped to embrace and confine and clamp therebetween the hem 4 on the adjacent end of the canopy and the spread bar 5 within the hem when the nut 11 is tightened.

It will now be understood that when the clamping nuts 11 are loosened the bolts 9 may be raised or lowered within the slots 12 to raise or lower the brackets 6 and therewith the canopy 3, and also that the brackets 6 may be turned on the axes of the bolts 9 to change the angular position of the canopy 3 with respect to the standards 2, one such position being indicated by dot-and-dash lines in Fig. 1, and also that the hems 4 on the ends of the canopy and the spread bars 5 therein may be adjusted longitudinally with respect to the brackets 6. Any one of the adjustments just referred to may be effected at each end of the canopy after the loosening of a single part, the clamping nut 11 of the bolt 9, which forms a common means for securing all the parts together, including securing the spread bars 5 within the hems 4, after any or all of the adjustments have been made.

Further up and down adjustments of the canopy 3 may be effected by inserting or driving the standards 2 varying distances into the ground or sand which supports the same.

While the invention may be used in any desired place or location to afford a protecting shelter for any desired purpose it is particularly adapted for use on a sandy beach at the seashore where, if the standards be driven into the sand on a line extending north and south, the canopy 3 may from time to time, be adjusted angularly to

be set substantially at right angles to the sun's rays to meet the constantly changing relative positions of the canopy and the sun so as to provide the maximum area of shade at all times.

- 5 When it is desired to reduce the parts of the entire apparatus to compact form for transportation, the spread bars 5 are adjusted into parallel relation to their adjacent standards 2, the stand-
 10 ards 2 are then placed in close parallel relationship thereby doubling the canopy 3 upon itself. The doubled canopy 3 is then wrapped around the closely assembled standards 2 and spread bars 5, as shown in Fig. 2.

I claim:

- 15 1. The combination of two standards constructed to be supported in lateral spaced relation, a canopy extending between the standards and carrying spread bars at opposite ends there-
 20 of adjacent to the standards, supporting brackets for the spread bars, said bars being longitudinally adjustable with respect to the brackets, and threaded bolts provided with clamping nuts extending through said brackets and the stand-
 25 ards for securing them together, said brackets being adjustable around the axes of the bolts.

2. The combination of two standards constructed to be supported in lateral spaced relation, each standard having a longitudinally extending slot therein, a canopy extending between
 30 the standards and carrying spread bars at opposite ends thereof adjacent to the standards, brackets connected to said bars, and threaded bolts provided with clamping nuts extending
 35 through said slots and said brackets for adjustably securing the brackets to the standards, said brackets being adjustable around the axes of the bolts.

3. The combination of two standards constructed to be supported in lateral spaced relation, each standard having a longitudinally extending slot therein, a canopy extending between
 40 the standards and carrying spread bars at opposite ends thereof adjacent to the standards, supporting brackets for the spread bars, said bars being longitudinally adjustable with respect
 45 to the brackets, and threaded bolts provided with clamping nuts extending through said slots and said brackets for adjustably securing the brackets to the standards, said brackets being adjustable
 50 around the axes of the bolts.

4. The combination of two standards constructed to be supported in lateral spaced relation, each standard having a longitudinally extending slot therein, a canopy extending between
 55 the standards and carrying spread bars at opposite ends thereof adjacent to the standards, clamping brackets for supporting the spread bars, each of said brackets comprising two parts constructed to clamp its spread bar between them
 60 when the two parts of the bracket are forced toward each other, and a threaded bolt provided with a clamping nut extending through the parts of each bracket and the slot of the

adjacent standard and constructed to draw the parts of the bracket toward each other and to secure the bracket to the standard.

5. The combination of two standards constructed to be supported in lateral spaced relation, a canopy extending between the standards and having hems at opposite ends thereof adjacent to the standards, spread bars within said
 10 hems, supporting brackets for the hems of the canopy and the spread bars therein, said hems and their spread bars being longitudinally adjustable within said brackets, means for adjustably securing the brackets to the standards, and means associated with the brackets for clamping
 15 said hems and the spread bars therein and securing them together and to the brackets.

6. The combination of two standards constructed to be supported in lateral spaced relation, a canopy extending between the standards and having hems at opposite ends thereof adjacent to the standards, spread bars within said
 20 hems, and clamping brackets for supporting the hems of the canopy and the spread bars therein, said hems and their spread bars being longitudinally adjustable within said brackets, each of
 25 said brackets comprising two parts constructed to embrace and clamp the adjacent hem of the canopy and the spread bar therein to secure them together and to the bracket when the two
 30 parts of the bracket are forced toward each other, and each bracket being provided with a common means to force its parts toward each other and to secure it to its standard.

7. The combination of two standards constructed to be supported in lateral spaced relation, each standard having a longitudinally extending slot therein, a canopy extending between
 35 the standards and having hems at opposite ends thereof adjacent to the standards, spread bars within said hems, clamping brackets for supporting the hems of the canopy and the spread
 40 bars therein, each of said brackets comprising two parts constructed to embrace and clamp the adjacent hem of the canopy and the spread bar therein when the two parts of the bracket are
 45 forced toward each other, and a threaded bolt provided with a clamping nut extending through the parts of each bracket and the slot of the adjacent standard and constructed to draw the
 50 parts of the bracket toward each other and to secure the bracket to the standard.

8. The combination of a standard having a longitudinally extending slot therein, a supporting bracket comprising two relatively movable parts, a canopy having a supporting part located
 55 between the parts of the bracket to be clamped and supported thereby, and a threaded bolt extending through said slot and the parts of said bracket and provided with a clamping nut and constructed to draw the parts of the bracket toward
 60 each other and to secure the bracket to the standard.

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