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COMBINED SUNSHADE AND WIND GUARD

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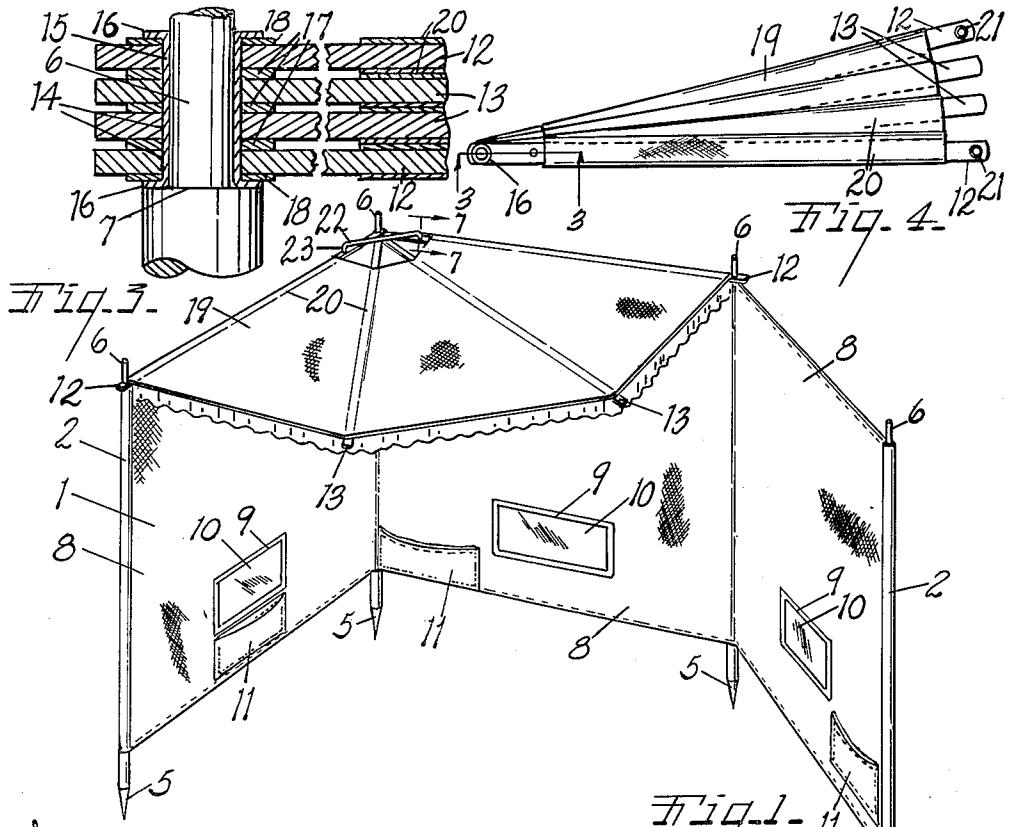


Fig. 1

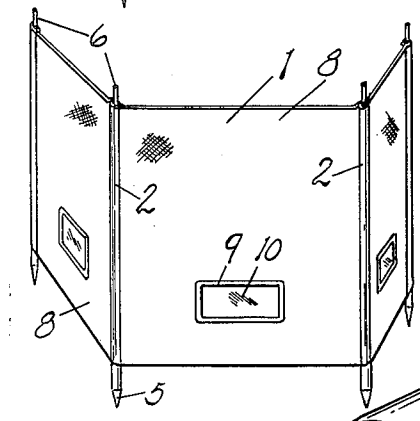


Fig. 2

Fig. 3

Fig. 4

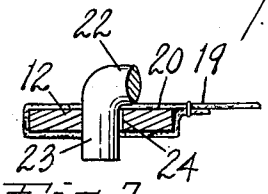


Fig. 7

Fig. 5

Fig. 6

INVENTOR.
James J. McGerry
James P. McGerry
ATTORNEY.

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COMBINED SUNSHADE AND WIND GUARD

James J. McGerry and James P. McGerry,
Grand Rapids, Mich.

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6 Claims. (Cl. 135—5)

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This invention relates to improvements in combined sunshade and wind guard.

The main objects of this invention are:

First, to provide a combined sunshade and wind guard which may be rolled into a compact form for transportation and storage, is readily set up and adjusted to meet particular conditions.

Second, to provide a structure characterized by these advantages that is very stable when erected and effective as a wind guard and sunshade but at the same time permits vision in all directions.

Third, to provide a structure having these advantages which is economical in its parts and the assembly thereof.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawings, in which:

Fig. 1 is a rear perspective view of a structure embodying our invention in one erected position.

Fig. 2 is a front perspective view of the wind guard with the sunshade omitted.

Fig. 3 is an enlarged fragmentary view partially in vertical section on a line corresponding to line 3—3 of Fig. 4.

Fig. 4 is a plan view of the sunshade in partially collapsed position.

Fig. 5 is a perspective view of the structure rolled for storage or transportation.

Fig. 6 is a fragmentary horizontal section showing certain of the structural details.

Fig. 7 is an enlarged fragmentary detailed view on line 7—7 of Fig. 1.

The embodiment of our invention comprises a flexible fabric wall member 1 having stake receiving pockets 2 formed therein by loop-like folds stitched at 3. The stakes 4 are desirably of wood and are disposed in the pockets with a close retaining fit therein. The lower ends of the stakes project below the bottom edge of the fabric and are sharpened at 5 to provide ground engaging elements. The upper ends of the stakes are turned down or reduced in diameter to provide spindles 6 with shoulders 7 at the bottoms thereof. The stakes divide the wall member into panels 8, each panel being desirably provided with a window opening 9 closed by a flexible transparent closure 10. Flexible patch pockets 11 are stitched on the inner sides of the panels and open upwardly.

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The sunshade or awning comprises outer slats or ribs 12 and intermediate slats or ribs 13. These are provided with registering holes 14 at their inner ends. The slats or ribs are swingably connected by the tubular spindle engaging sleeve 15 engaged in the holes 14 and having outturned retaining flanges 16 at its ends. Spacing washers 17 are arranged between the slats or ribs, and washers 18 are provided between the outer slats and the flanges 16. The flexible fabric cover member 19 of the sunshade or awning has folds therein and is stitched to provide pockets 20 for the slats.

The outer slats 12 have holes 21 in their swinging ends spaced from the sleeve 15, the spacing equaling the width of a panel. This permits the engagement of the sunshade sleeve with one of the spindles of an intermediate stake and the engagement of the holes 21 with the adjacent stakes as is shown in Fig. 1. The sunshade thus serves as a brace for the stakes.

The sunshade is provided with a brace 22 having downturned ends 23 engaging in holes 24 in the outer slats 12 adjacent their inner ends. This further serves to brace the assembled structure. The stakes may be positioned so that the sunshade covers substantially the entire enclosed space which is designed to be open on one side or may be adjusted as shown in Fig. 1 so that the occupant or occupants may expose themselves to the sun or have the protection of the sunshade as desired. The windows give the user a view in all directions. The structure may be compactly rolled up as shown in Fig. 5, the awning or sunshade being collapsed and the wind guard wrapped around it. The shoulders 7 at the bases of the spindles support the sunshade and prevent the stripping down or pressing down on the upper edge of the wall member when the awning is mounted on the stakes.

We have illustrated and described our invention in a practical commercial form thereof. We have not attempted to illustrate or describe certain modifications or adaptations which we contemplate as it is believed that this disclosure will enable those skilled in the art to embody or adapt our invention as may be desired.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A combined sunshade and wind guard comprising a flexible wall member, a plurality of supporting stakes secured in spaced relation to said wall member providing a plurality of panels angularly adjustable relative to each other, the lower ends of the stakes projecting below the wall

member providing ground engaging elements, their upper ends projecting above the wall member and being reduced in diameter to provide spindles and shoulders at the bottoms of the spindles, a sunshade comprising a flexible cover member, outer and intermediate slats secured in divergingly spaced relation to said cover member with their inner ends in overlapping relation and provided with aligned holes, a tubular spindle engaging sleeve disposed through said holes and having retaining flanges at its ends, and spacing washers between the lapping ends of the slats and between the outer slats and the flanges of the sleeve, the outer slats having spindle engaging holes adjacent their outer ends, said sleeve being engageable with a spindle of an intermediate stake and the outer slats being engageable with the spindles of adjacent stakes in supported relation to said shoulders and constituting stake tie members and braces.

2. A combined sunshade and wind guard comprising a flexible wall member, a plurality of supporting stakes secured in spaced relation to said wall member providing a plurality of panels angularly adjustable relative to each other, the lower ends of the stakes projecting below the wall member providing ground engaging elements, their upper ends projecting above the wall member providing spindles, a sunshade comprising a flexible cover member, outer and intermediate slats secured in divergingly spaced relation to said cover member with their inner ends in overlapping relation and provided with aligned holes, a tubular spindle engaging sleeve disposed through said holes and having retaining flanges at its ends, and spacing washers between the lapping ends of the slats and between the outer slats and the flanges of the sleeve, the outer slats having spindle engaging holes adjacent their outer ends, said sleeve being engageable with a spindle of an intermediate stake and the outer slats being engageable with the spindles of adjacent stakes and constituting stake tie members and braces.

3. A combined sunshade and wind guard comprising a flexible wall member, a plurality of supporting stakes secured in spaced relation to said wall member providing a plurality of panels angularly adjustable relative to each other, the lower ends of the stakes projecting below the wall member providing ground engaging elements, their upper ends projecting above the wall member providing shoulders, a sunshade comprising a flexible cover member, outer and intermediate slats secured in divergingly spaced relation to said cover member with their inner ends in overlapping relation and provided with aligned holes, a tubular spindle engaging sleeve disposed through said holes and having retaining flanges at its ends, spacing washers between the lapping ends of the slats and between the outer slats and the flanges of the sleeve, the outer slats having spindle engaging holes adjacent their outer ends, said sleeve being engageable with a spindle of an intermediate stake and the outer slats being engageable with the spindles of adjacent stakes and constituting stake tie members and braces, said outer slats having holes adjacent to but spaced from their inner ends, and a brace member detachably engageable with such holes to brace the outer slats.

4. A combined sunshade and wind guard comprising a flexible wall member, a plurality of supporting stakes secured in spaced relation to said wall member providing a plurality of panels angularly adjustable relative to each other, the lower ends of the stakes projecting below the wall member providing ground engaging elements, their upper ends projecting above the wall member and being reduced in diameter to provide spindles and shoulders at the bottoms of the spindles, a sunshade comprising a flexible cover member, outer and intermediate slats secured in divergingly spaced relation to said cover member with their inner ends in overlapping relation and provided with aligned holes, and a tubular stake engaging sleeve disposed through said holes, the outer slats having stake engaging holes adjacent their outer ends, said sleeve being engageable with an intermediate stake and the outer slats being engageable with adjacent stakes in supported relation to said shoulders and constituting stake tie members and braces.

5. A combined sunshade and wind guard comprising a flexible wall member, a plurality of supporting stakes secured in spaced relation to said wall member providing a plurality of panels angularly adjustable relative to each other, the lower ends of the stakes projecting below the wall member providing ground engaging elements, their upper ends projecting above the wall member, a sunshade comprising a flexible cover member, outer and intermediate slats secured in divergingly spaced relation to said cover member with their inner ends in overlapping relation and provided with aligned holes, and a tubular stake engaging sleeve disposed through said holes, the outer slats having stake engaging holes adjacent their outer ends, said sleeve being engageable with an intermediate stake and the outer slats being engageable with adjacent stakes and constituting stake tie members and braces.

6. A combined sunshade and wind guard comprising a flexible wall member, a plurality of supporting stakes secured in spaced relation to said wall member providing a plurality of panels angularly adjustable relative to each other, the lower ends of the stakes projecting below the wall member providing ground engaging elements, their upper ends projecting above the wall member, a sunshade comprising a flexible cover member, outer and intermediate slats secured in divergingly spaced relation to said cover member with their inner ends in overlapping relation and provided with aligned holes, a tubular stake engaging sleeve disposed through said holes, the outer slats having stake engaging holes adjacent their outer ends, said sleeve being engageable with an intermediate stake and the outer slats being engageable with adjacent stakes and constituting stake tie members and braces, said outer slats having holes adjacent to but spaced from their inner ends, and a brace member detachably engageable with such holes to brace the outer slats.

JAMES J. McGERRY.
JAMES P. McGERRY.

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