

Nov. 3, 1925.

1,560,114

A. W. SKOG

TENT

Filed Sept. 22, 1923

3 Sheets-Sheet 1

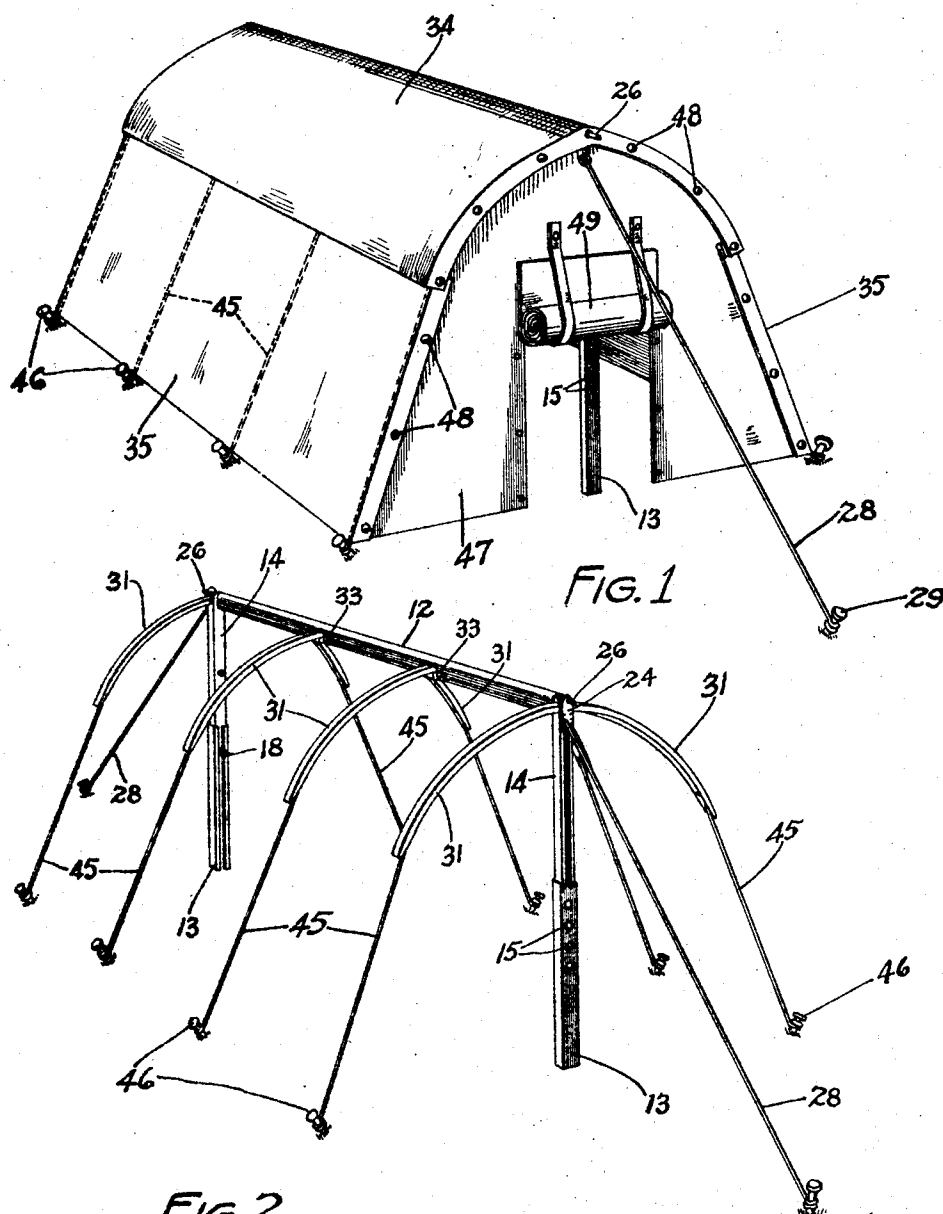


FIG. 2

Inventor
AUGUST W. SKOG

By Paul, Paul & Moore
ATTORNEYS

Nov. 3, 1925.

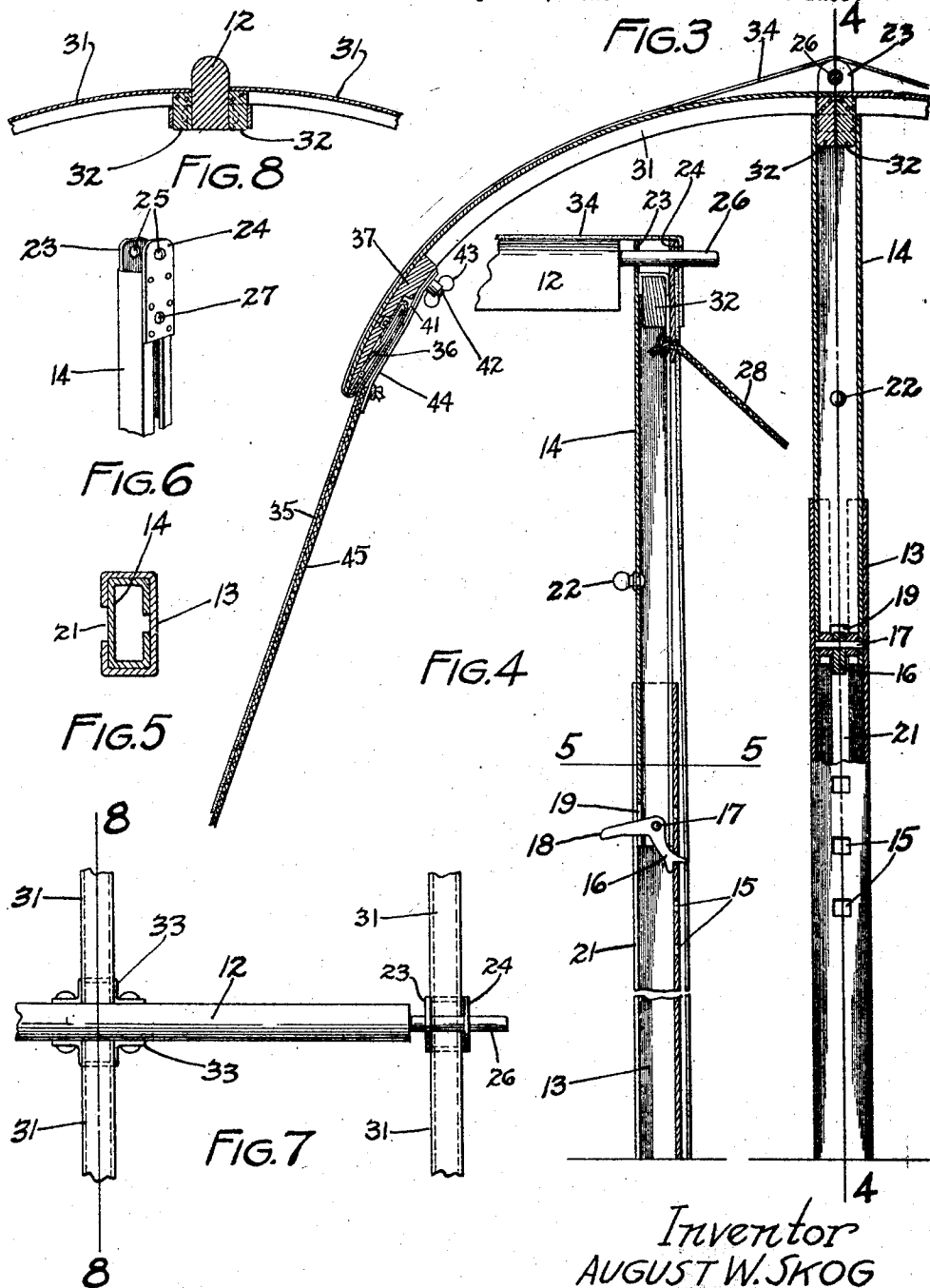
1,560,114

A. W. SKOG

TENT

Filed Sept. 22, 1923

3 Sheets-Sheet 2



Inventor
AUGUST W. SKOG

By Paul, Paul & Moore
ATTORNEYS

Nov. 3, 1925.

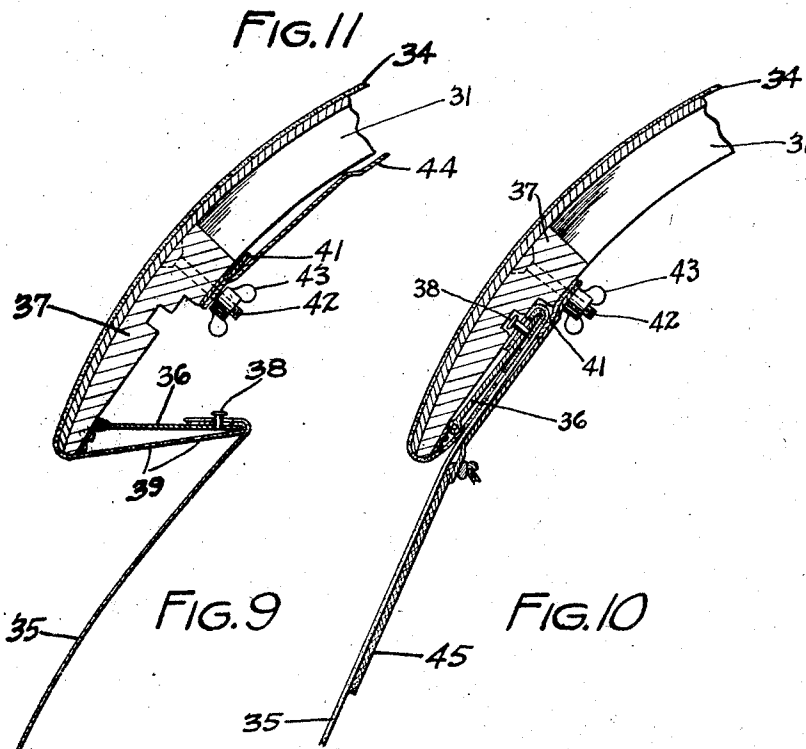
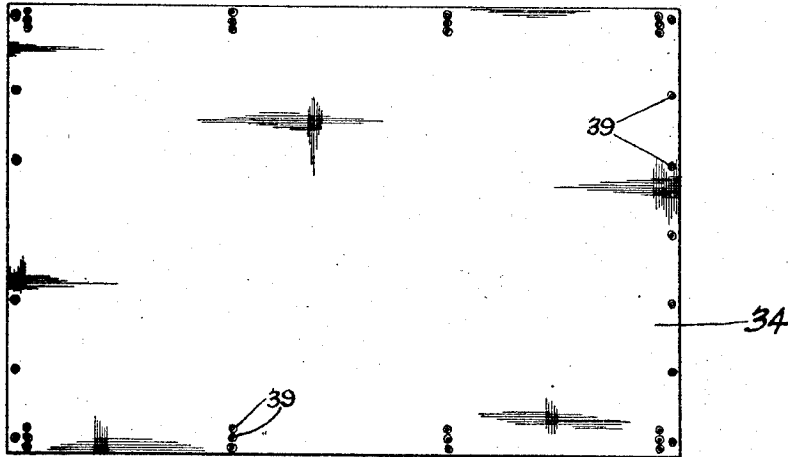
1,560,114

A. W. SKOG

TENT

Filed Sept. 22, 1923

3 Sheets-Sheet 3



Inventor
AUGUST W. SKOG

By *Paul, Paul & Moore*
ATTORNEYS

UNITED STATES PATENT OFFICE.

AUGUST W. SKOG, OF MINNEAPOLIS, MINNESOTA.

TENT.

Application filed September 22, 1923. Serial No. 664,260.

To all whom it may concern:

Be it known that I, AUGUST W. SKOG, a citizen of the United States, residing in the city of Minneapolis, county of Hennepin, and State of Minnesota, have invented certain new and useful Improvements in Tents, of which the following is a specification.

This invention relates to improvements in tents and more particularly relates to tents which are frequently set up and taken down.

The particular object of this invention is to provide a tent having a canvas cover or roof section composed preferably of one piece, such roof section being provided with suitable fastening means at its edges for securing it to the frame and to the inclined walls of the tent.

A further object is to provide a tent having a one-piece roof section, which, when the tent has been raised or set up, will be substantially semi-circular in profile.

A further object is to provide a tent having separable frame sections so constructed as to be readily assembled and taken apart, and, when taken apart, are capable of being packed into small bundles for convenient handling and for the purpose of reducing to a minimum the amount of space required when placed in storage or transit.

A further object is to provide a tent having a frame comprising a pair of upright posts which are preferably constructed of upper and lower sections by means of which the height of the tent may be increased or decreased, as desired.

A further object is to provide a tent having a frame comprising arcuate frame members adapted to support the arched roof section thereof, such arcuate frame members being provided with suitable fastening means for securing the roof section thereto and also for taking up slack in said roof section.

A further object is to provide a tent having its side walls so constructed that they may be readily detached from the arched roof section and the tent frame, thus providing in effect, a canopy particularly adapted for use as a protection against the sun, in extremely hot weather.

Other objects of the invention will more fully appear from the following description and the accompanying drawings, and will be pointed out in the annexed claims.

In the drawings, there has been disclosed

a structure designed to carry out the various objects of the invention but it is to be understood that the invention is not confined to the exact features shown, as various changes may be made within the scope of the claims which follow.

In the accompanying drawings, forming part of this specification:

Figure 1 is a perspective view of a tent, showing my invention applied thereto;

Figure 2 is a similar view, showing the skeleton frame of the tent after the canvas cover has been removed therefrom;

Figure 3 is an enlarged detail view of one of the upright posts, partially in section, to show the construction thereof, and also showing how the arcuate frame members at each end of the tent are connected to the posts;

Figure 4 is a vertical sectional view on the line 4—4 of Figure 3, showing how the upper section of each pole is vertically adjustable in the lower section thereof, and also showing how the ends of the ridge pole are connected to and supported by the upright posts;

Figure 5 is a cross sectional view on the line 5—5 of Figure 4;

Figure 6 is a perspective detail view of the upper end of one of the upright posts to show the construction thereof;

Figure 7 is a detail plan view of a portion of the tent frame, showing how the arcuate frame members are secured to the ridge pole;

Figure 8 is a detail sectional view on the line 8—8 of Figure 7;

Figure 9 is an enlarged detail sectional view of the lower terminal end of one of the arcuate frame members, showing the means provided thereon for securing the roof section and walls thereto;

Figure 10 is a similar view, showing how the roof section and walls are secured to the terminal ends of the arcuate frame members; and

Figure 11 is a plan view of the one-piece roof section, showing the means provided thereon for securing it to the walls and frame.

In the selected embodiment of the invention here shown, there is illustrated a tent, having a frame comprising a ridge pole 12 supported at each end by an upright supporting post, as shown in Figure 2. Re-

ferring to Figures 3 and 4, it will be noted that the two upright supporting posts, are preferably constructed of upper and lower sections and as the two posts are similar in construction it will be necessary to describe but one, like parts being designated by like numerals.

As here shown, each post preferably consists of a lower section 13, and an upper section 14, slidably mounted within the lower section 13 and adapted for vertical adjustment therein. Each such section is preferably constructed of metal, formed to provide a hollow post of substantially rectangular cross-section, as shown in Figure 5. Apertures 15 are provided in the wall of the lower section 13 adapted to receive a dog 16 pivotally mounted on a pin 17 secured to the walls of the upper section 14, adjacent the lower terminal end thereof, as shown. A hand grip 18 is provided on the dog 16 and projects through an opening 19 in the wall of the upper section 14, and through an elongated opening 21 provided in the wall of lower section 13. A hand grip 22 is secured to the wall of the upper section 14, as clearly shown in Figure 4, by means of which the upper section may be raised to release the dog 16 from the apertures 15 in the lower section 13, when it is desired to increase or decrease the length of the pole to adjust the height of the tent, or in case it is desired to collapse the pole as when taking down the tent.

An integral lug 23 is preferably formed at the upper terminal end of the upper post section 14, adapted to cooperate with a plate or lug 24, secured to the front side of the section, to support one end of the ridge pole 12. Apertures 25 are provided in the lug 23 and plate 24 adapted to receive a pin 26, secured to the end of the ridge pole as shown in Figures 3, 4 and 7. A similar pin is provided at the other end of the ridge pole. An aperture 27 is also provided in the lower portion of the plate 24 by means of which a suitable guy rope 28 may be secured to the post, the other end of which is secured to a peg 29, driven into the ground.

One of the important features of this invention is the novel means provided for supporting the one-piece roof section. Such means consists preferably in the provision of a plurality of arcuately formed rafters or frame members 31, preferably formed of pressed metal, and substantially U-shaped in cross-section. A suitable supporting lug 32 is secured to the upper terminal end of each rafter, as particularly shown in Figures 3 and 8. The rafters at each end of the tent frame are secured to the upper section 14 of the upright posts, by means of the lugs 32 being inserted in the open upper end thereof in abutting relation, as shown in Figure 3, thereby providing a very simple

and substantial means for securing the rafters to the posts, at the same time permitting them to be readily detached therefrom when it is desired to take down the tent. The rafters supporting the central portion of the roof section, are preferably secured to the sides of the ridge pole 12 by means of opposed bracket 33 secured thereto.

The means provided for securing the one-piece roof section 34 and the side walls 35 to the rafters, consists preferably in the provision of a hinged member 36, mounted on a block 37 secured to the lower terminal end of each rafter, as shown in Figures 9 and 10. A suitable button 38 is secured to the hinged member 36, to which the roof section 34 is secured by means of suitable eyelets or grommets 39 provided on each side thereof, as shown in Figure 11. The side walls 35 are similarly secured to the button 38, after which the hinged member 36 is folded against the block 37, as shown in Figure 10, and locked in such position by means of a suitable locking member 41 pivotally mounted upon a stud or screw 42 and secured thereto by a wing nut 43, in threaded engagement with the screw. An arm 44 is also pivotally mounted upon the screw 42 to provide a suitable supporting means for one end of a guy rope 45, the other end of which is secured to the usual stake or peg 46. The lower ends of the rafters are thus secured and held in place by means of the guy ropes 45, as shown in Figure 2. The usual end walls 47 are provided and are preferably secured to the roof section 34 and side walls 35 by suitable fastening means such as the snap buttons 48, of ordinary construction, shown in Figure 1. A suitable roll flap 49 is provided in the end wall for closing the tent doorway.

In erecting this novel tent the end rafters are first secured to the upper sections 14 of the telescopic end posts, by inserting the lugs 32 of the rafters, into the upper open ends of the sections 14, as shown in Figures 3 and 4. The ridge pole is then secured to the end posts by inserting the opposed pins 26 into the apertures 25, provided in the lugs 23 and plates 24 of the sections 14. The rest of the rafters may then be secured to the ridge pole, as hereinbefore described, and as shown in Figures 7 and 8, after which the tent frame may be set up, as shown in Figure 2, and the end walls 47, side walls 35 and the roof section 34 secured thereto, as shown in Figure 1.

In securing the roof section to the rafters, one side thereof is first secured to the lower ends of the rafters, at one side of the tent, by means of the hinged members 36, buttons 38 and the eyelets 39, provided in the marginal edge of the roof section. As shown in Figures 9 and 10, the side walls

35 are preferably similarly secured to the ends of the rafters together with the roof section 34. The guy ropes 45 are then secured to the ends of the arms 44 and their lower ends secured to the pegs or stakes 46, driven into the ground, after which the end walls 47 may be positioned and secured to the roof section 34 and side walls 35, by means of the snap buttons 48 provided thereon.

The height of the tent may be readily increased or decreased, as desired, by means of the telescopic construction of the posts provided at each end thereof, for supporting the ridge pole. By the employment of these posts, the tent may be readily and quickly ventilated by simply raising the roof section and therefore the walls, sufficiently to clear the ground thereby permitting free circulation of air beneath the tent walls.

If desired, the side walls 35 and end walls 47 may be detached from the tent, thereby providing in effect a canopy, particularly adapted for use as a protection against the hot sun. In practical use it may also be found desirable to eliminate the intermediate rafters, in which case the end rafters will retain the substantially semi-circular contour of the tent roof.

After the tent has been taken down, it may be packed into small bundles for convenient handling in storage and transit, requiring very little space when packed, thereby providing a tent particularly adaptable for use as a tourist's tent, as it may be readily stored away in an automobile.

I claim as my invention:

1. A tent comprising a ridge pole and supporting posts therefor, rafters extending outwardly and downwardly from said ridge pole, a flexible roof section fitting over said ridge pole and rafters, and means hinged on said rafters and adapted to swing to a position parallel substantially therewith and engaging said flexible roof section for drawing it taut over said ridge pole and rafters.

2. A tent comprising a ridge pole and supporting posts therefor, rafters extending outwardly and downwardly from said ridge pole, a flexible roof section fitting over said ridge pole and rafters, and means mounted on said rafters and engaging said flexible roof section for drawing it taut over said ridge pole and rafters, said means comprising members hinged to the end portions of said rafters, and having an inwardly swinging upward movement for tensioning said roof section.

3. A tent comprising a ridge pole and supports therefor, rafters extending outwardly and downwardly from said ridge pole, a flexible roof section fitting over said rafters and ridge pole, wall sections forming flexible continuations of said roof section, guy ropes for said rafters, and means

mounted on said rafters for applying tension to said roof and wall sections for tightening and straightening the same.

4. A tent comprising a ridge pole and supports therefor, metallic rafters projecting outwardly and downwardly from said ridge pole, blocks mounted in the lower ends of said rafters, members hinged in said blocks and adapted to swing upwardly and inwardly thereon, and a flexible roof section fitting over said ridge pole and rafters and having means for attachment to said hinge members for putting said roof section under tension.

5. A tent comprising a ridge pole, posts provided at the ends thereof and comprising telescopic sections, and means for supporting one of said sections in its raised position with respect to the other section, rafters mounted on said ridge pole and projecting outwardly therefrom, a flexible roof section fitting over said ridge pole and rafters, and pivoted means for putting said section under tension.

6. A tent comprising a ridge pole, telescopic supporting posts therefor, and means for supporting the movable section of each post with respect to the fixed section, said movable sections having sockets therein, end rafters having studs to fit within said sockets and outwardly and downwardly curved therefrom, intermediate rafters having means for mounting them on said ridge pole, and a flexible roof section extending over said ridge pole and rafters and having means hinged to said intermediate rafters for attaching said roof section to the ends of said rafters.

7. A tent comprising a ridge pole, posts comprising a fixed and vertically adjustable section at the ends of said ridge pole, rafters projecting outwardly and downwardly from said ridge pole and separable therefrom, said ridge pole, rafters and supporting posts being composed of comparatively light sheet metal, a flexible roof section suitable guy ropes for said rafters and posts, wall sections forming continuations on each side of said roof section, means for tensioning said roof and wall sections and end sections fitting the spaces between said posts and the ends of the adjacent rafters.

8. A tent comprising a ridge pole, supporting posts therefor, end rafters having their middle portions removably mounted on said posts, brackets mounted on said ridge pole, and intermediate rafters removably supported in said brackets, said end and intermediate rafters projecting outwardly and downwardly from said ridge pole, guy ropes for said rafters and posts, and flexible roof and wall sections fitting over said ridge pole and rafters and secured thereto.

9. A tent comprising a ridge pole and sup-

porting posts therefor, rafters extending outwardly and downwardly from said ridge pole and unsupported at their lower ends, a flexible roof section covering said rafters, wall sections between said roof section and the ground line, means between said roof and wall sections for putting them under tension and guy ropes for said rafters.

10. A tent comprising a ridge pole and

supporting posts therefor, rafters for said pole, a flexible roof section covering said rafters, wall sections between said roof section and the ground line, and means between said roof and wall sections for drawing upwardly on said wall sections to tighten them.

In witness whereof, I have hereunto set my hand this 18th day of September 1923.

AUGUST W. SKOG.