Nov. 16, 1926. 1,607,020

F. M. STOLL

AWNING SUPPORT FOR TENTS

Filed Oct. 9, 1925

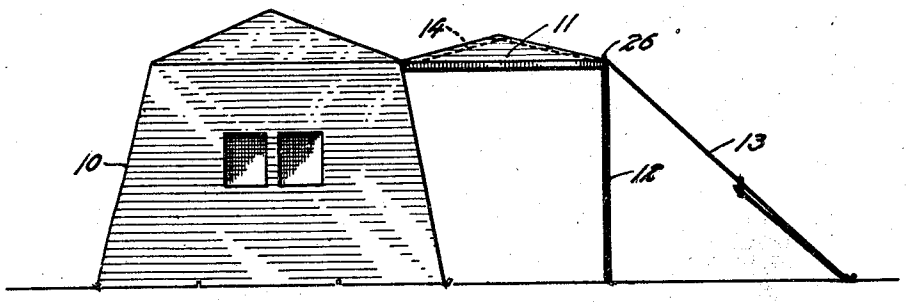
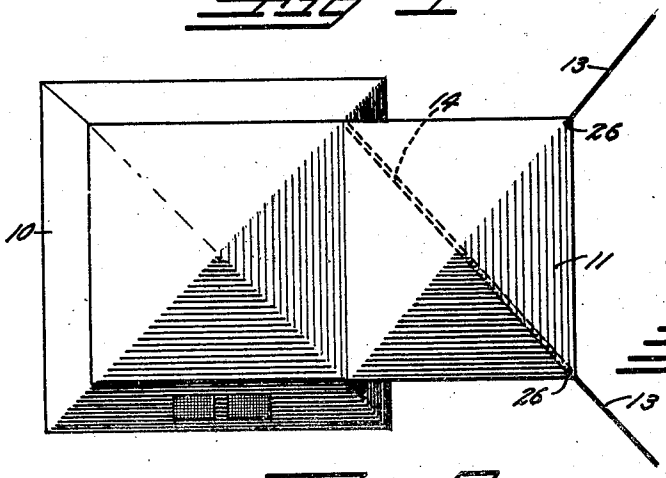


Fig 1



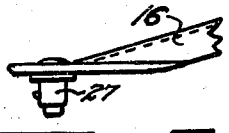


Fig 6

Fig 2

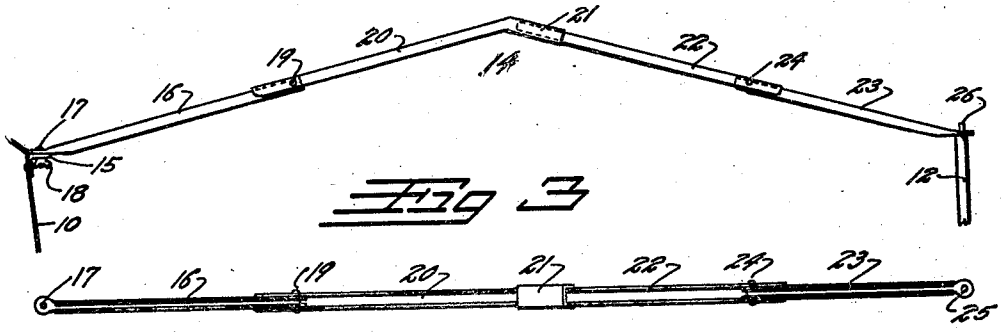


Fig 3

Fig 4

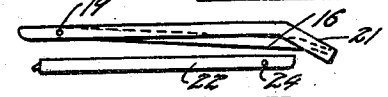


Fig 5

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UNITED STATES PATENT OFFICE.

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AWNING SUPPORT FOR TENTS.

Application filed October 9, 1925. Serial No. 61,430.

It is the present custom among manufacturers of square or palmetto type tents to provide their tents with an awning for projection outward from the tent eave over the doorway. These awnings, being substantially horizontal, collect and retain a pool of water during rains which stretches and distorts the awning cloth.

The principal object of this invention is to provide a support or truss, for such an awning, which will cause rain water to drain therefrom.

Another object is to provide an awning support which can be readily attached to and used with the present tents having awnings.

A further object is to arrange the support so that it may be quickly and easily collapsed into a minimum of space.

Other objects and advantages reside in the detail construction of the invention which is designed for simplicity, economy, and efficiency. These will become more apparent from the following description.

In the following detailed description of the invention reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in all views of the drawing and throughout the description.

In the drawing:

Fig. 1 is a side elevation of a square tent with the invention in place thereon.

Fig. 2 is a plan view of the same.

Fig. 3 is a detail view of the awning support in the erected position.

Fig. 4 is a view looking upward at the awning support.

Fig. 5 illustrates the invention in its folded position.

Fig. 6 illustrates an alternate form of attachment device.

In the drawing, a tent is illustrated at 10, provided with an awning 11 which is supported along one side by the tent 10, and at the other side, by two awning poles 12, from which guy ropes 13 depend.

The invention, designated in its entirety by the numeral 14, is arranged to extend diagonally across the awning; one extremity being supported by the tent upon an angle clip 15 secured to the tent side; the other extremity being supported upon one of the awning poles 12.

The support comprises a series of pivoted and telescopically connected bars arranged to fold into two separate portions, as illustrated in Fig. 5. One of these portions comprises a tent section 16 and an apex section 20. The tent section 16 carries a stud bolt 17 at its extremity. The bolt 17 is arranged to pass through an opening in the angle clip and be secured in place by means of a wing nut 18. The tent section 16 is pivoted, as shown at 19, to the apex section 20. The apex section 20 is provided at its extremity with a socket 21, which is rigidly formed thereon at an angle to form a natural apex for the entire truss structure.

The other portion of the awning support comprises two members 22 and 23 pivoted together at 24. One extremity of the section 22 is arranged to fit within the socket 21 and one extremity of the section 23 is provided with an opening 25 for the reception of the usual peg 26 projecting from the extremity of one of the awning poles 12.

All of the sections are channel shape in cross section so that they may be folded one within the other. In folding the device, the two portions are disconnected at the socket 21, the section 16 is folded within the section 20, and the section 23 is folded within the section 22. The device then having the appearance illustrated in Fig. 5.

It is within the skill of a mechanic, of course, to replace the stud bolt 17 and wing nut 18 with any of the usual quick acting attachment devices, such as those used for attaching the side curtains to automobiles, as illustrated at 27 in Fig. 6. The attachment device 27 is passed through an opening in the angle clip 15 similarly to the stud bolt 17.

While a specific form of the improvement has been described and illustrated herein, it is desired to be understood that the same may be varied, within the scope of the appended claims, without departing from the spirit of the invention.

Having thus described the invention, what I claim and desire secured by Letters Patent is:—

1. In a tent having an outward projecting awning supported at its outer edge on poles and secured at its outer corners by guy ropes; means for supporting said awning at its middle and adapted to co-act with said poles and guy ropes, said means comprising a single truss adapted to extend diagonally from said tent under said awning to one of said poles.

2. In a tent having an outward project-

ing awning supported at its outer edge on poles and secured at its outer corners by guy ropes; means for supporting said awning at its middle and adapted to co-act with said poles and guy ropes, said means comprising a single truss adapted to extend diagonally from said tent under said awning to one of said poles, said truss being higher adjacent its mid-point than at its ends.

3. In a tent having an outward projecting awning supported at its outer edge on poles and secured at its outer corners by guy ropes; means for supporting said awning at its middle and adapted to co-act with said poles and guy ropes, said means comprising a single truss adapted to extend diagonally from said tent under said awning to one of said poles, said truss being higher adjacent its mid-point than at its ends, and comprisng two portions detachably connected together.

4. In a tent having an outward projecting awning supported at its outer edge on poles and secured at its outer corners by guy ropes; means for supporting said awning at its middle and adapted to co-act with said poles and guy ropes, said means comprising a single truss adapted to extend diagonally from said tent under said awning to one of said poles, said truss being higher adjacent its mid-point than at its ends; said truss comprising members pivoted together and adapted to fold within each other.

5. In a tent having an outward projecting awning supported at its outer edge on poles and secured at its outer corners by guy ropes; means for supporting said awning at its middle and adapted to co-act with said poles and guy ropes, said means comprising a single truss adapted to extend diagonally from said tent under said awning to one of said poles, said truss being higher adjacent its mid-point than at its ends, one extremity of said truss being arranged for connection to the upper extremity of one of said poles, the other extremity of said truss being arranged for detachable connection to said tent.

6. In combination with a tent and a supporting frame, an awning attached to said tent, supporting poles at the outer corners of said awning; a truss extending diagonally beneath said awning from the frame of said tent to one of said poles; a guy rope adapted to exert tension upon said awning in the direction of said truss; and a second guy rope adapted to exert tension upon said awning in a direction transverse to said truss.

7. In combination with a tent and a supporting frame, an awning attached to said tent; supporting poles at the outer corners of said awning; a truss extending diagonally beneath said awning from the frame of said tent to one of said poles; a guy rope adapted to exert tension upon said awning in the direction of said truss; and a second guy rope adapted to exert tension upon said awning in a direction transverse to said truss, said truss sloping upward from each end to an apex in the center of said awning.

In testimony whereof, I affix my signature.

FRANK M. STOLL.