

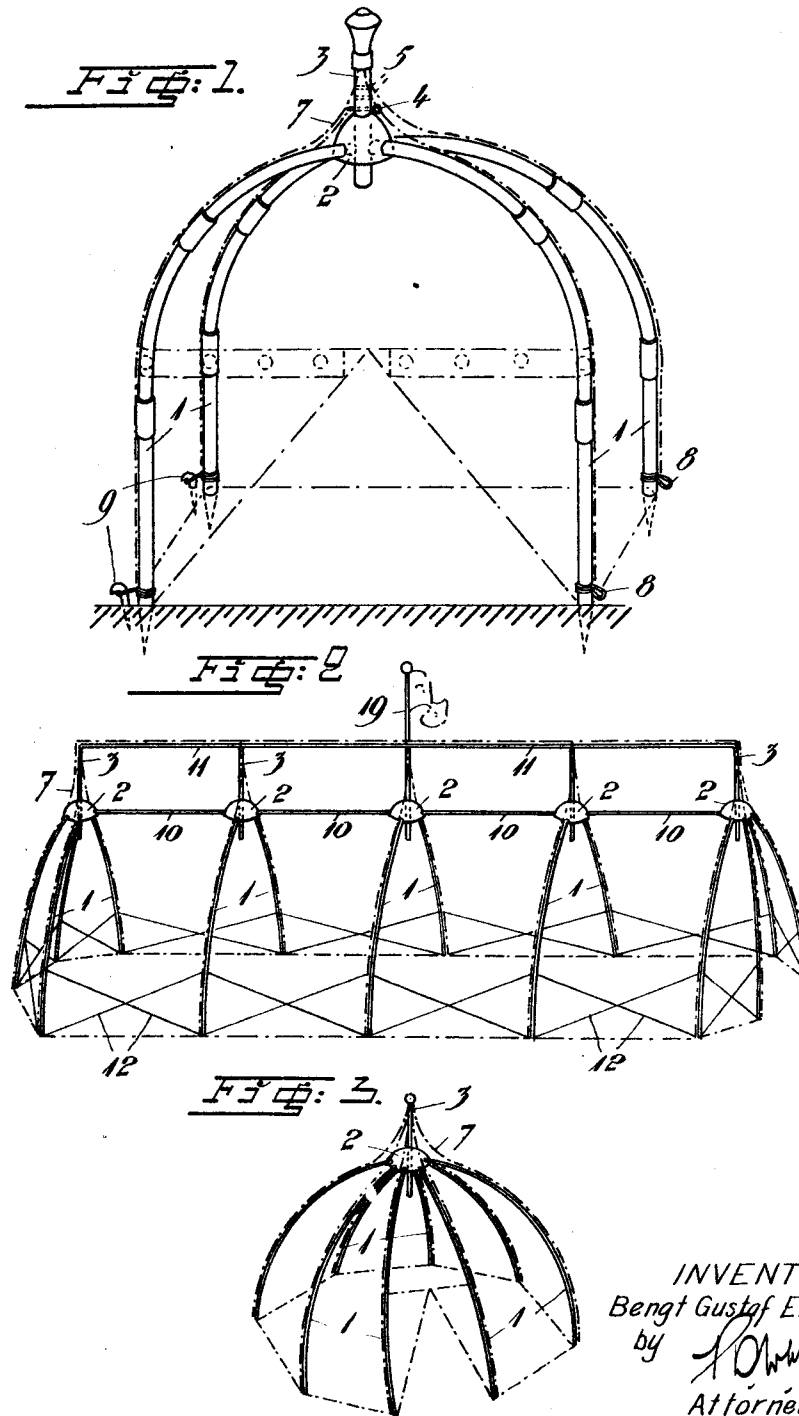
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TENT

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TENT

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The present invention relates to improvements in tents allowing a rapid and perfect putting up of the tent.

According to the invention the tent-frame consists of a plurality of flexible, springy tent-ribs, being, at their tops, joined by or connected with a tie-block. Mounted to slide vertically in this tie-block and to be locked in every desired position is a stretching bar or the like adapted to lift the top part of the tent, the elastic ribs being at the same time exposed to a more or less strong bending so as to allow the tent, the base of which is attached to the feet of the ribs or to the ground, to be stretched out satisfactorily.

The annexed drawings shows some embodiments of the invention.

Fig. 1 shows a little tourists' tent having a square base.

Fig. 2 shows a larger oblong tent, supported by a plurality of tent-frame units, carried out according to the invention.

Fig. 3 shows a tent with an octagonal base.

Referring to Fig. 1, members 1 are the tent-ribs consisting of, for instance, bamboo, cane or steel. Each of said ribs consists of a plurality of parts arranged to be joined to each other in a well known manner. These ribs 1 have their tops inserted in a tie-block 2. A bar 3 is mounted to slide vertically in the tie-block 2 and may be locked in every desired position by means of a key or pin 4, adapted to be inserted into any of a number of holes 5 in the bar 3.

The top part or apex of the tent 7 is fixed to the top end of the bar 3 against a flange, provided on said bar.

When raising the tent, the tent-ribs 1 may, for instance, be put down into the ground in the way shown in Fig. 1; after this operation they have their top ends bent down and fixed to the tie-block 2. Now the vertical bar 3 is inserted, but it may initially occupy its lowest position. At this moment the flange located on the top part of said bar, directly bears against the tie-block 2. Now the tent 7 is placed over the frame and the lower edge of said tent is fixed either to suitable fastening-means 8 at the lower ends of the ribs 1 or directly to the ground by

means of common tent-pegs 9. Then the bar 3 is forcibly pushed upwards and is locked by means of the pins 4, so as to stretch the tent, the tent 1 being thus further bent. These bent ribs will thus apply a permanent elastic and self-adjusting stretching action upon the tent so as to allow this to remain evenly stretched out in the rain as well as in sunny weather, or it may again at all events be perfectly stretched out by a very easy displacement of the bar 3. If said bar 3 has the same thickness all over its length, it may be inserted into the tie-block from beneath, when the tent is placed over the frame as will be readily understood.

In the embodiment according to Fig. 2 a plurality of frame units are used, carried out according to the present invention, each unit consisting of two or four tent-ribs 1 which have their tops joined by a tie-block 2.

A vertical stretching-bar 3 is then inserted into each of said tie-blocks 2. If desired, one or more of these stretching-bars 3 may extend above the tent to serve as flag-poles 19 or the like.

To ensure the desired distance between the tie-blocks 2 and, on the whole, to stay the frame-units, horizontal stay-bars 10 may be arranged between the several tie-blocks. Similar horizontal bars 11 may also be arranged between the top ends of the bars 3 so as to allow these bars 3 to be securely stayed in vertical direction when stretching the tent.

At their lower ends the several tent-ribs may equally be mutually stayed by suitable stays or ropes 12.

The embodiment according to Fig. 3 differs from that shown in Fig. 1 only by the fact that the tie-block 2 serves as a fastening for eight tent-ribs instead of four and thus it need not be described. The shape and nature of the tie-block 2 may, of course, be varied within wide limits, depending on the construction and nature of the tent-ribs, and also the arrangement for keeping the vertical stretching-bar 3 in the desired position may, of course, be varied at will.

Having now particularly described the

nature of my invention and the manner of its operation, what I claim is:

1. A tent unit comprising a flexible frame made of resilient tent-ribs having their tops assembled and secured to a tie-block and their feet driven into the ground, a tent-covering having its base fixed around the base of said frame and its apex first loosely lying on said tie-block during the erecting of the tent, and stretching adjustable means for forcibly setting said apex aside from said tie block, hereby causing the ribs to bend and thus to exert a permanent elastic, self-adjusting stretching action upon said tent-covering.

2. A tent unit comprising a plurality of flexible, springy tent-ribs having their tops inserted into a tie-block, and their feet driven into the ground, a vertical bar slidably mounted into said tie-block and adapted to be raised and locked in any desired position, a tent-covering having its lower end attached to the ground and its apex secured to said bar, which when raised and locked in the desired vertical position, lifts the apex of the tent-covering away from the tie block, hereby causing the ribs to bend and thus to exert a permanent elastic self-adjusting stretching action upon the tent-covering.

3. An oblong tent comprising a flexible frame made of resilient tent-ribs having their tops assembled by pairs and secured to tie-blocks set apart at regular intervals in a horizontal line and their feet driven into the ground, a tent-covering having its base fixed around the base of said frame and its apex first loosely lying on said tie-blocks during the erecting of the tent, and vertical bars, slidably mounted in each of said tie-blocks and adapted to be raised and locked in any desired vertical position so as to lift the apex of the tent-covering away from said tie-blocks, hereby causing the ribs to bend and thus to exert a permanent elastic self-adjusting stretching action upon said tent-covering.

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