May 6, 1924. 1,492,785

O. E. FREDERICK

TENT

Filed March 17, 1922

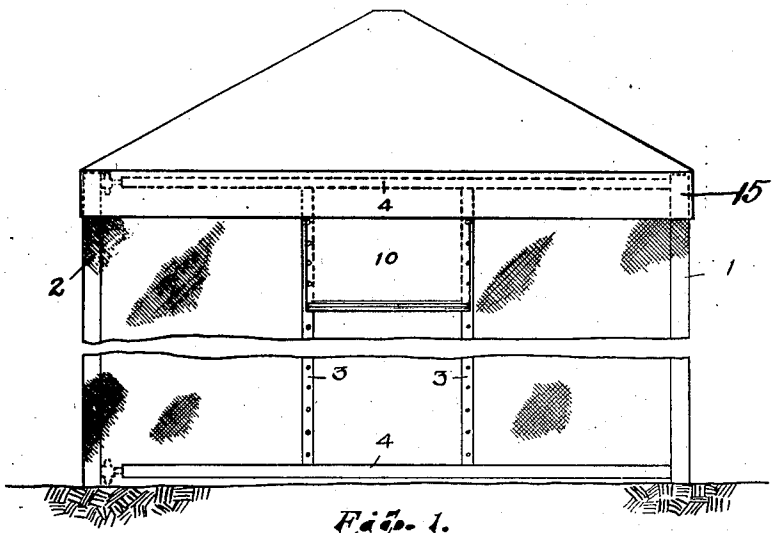


Fig. 1.

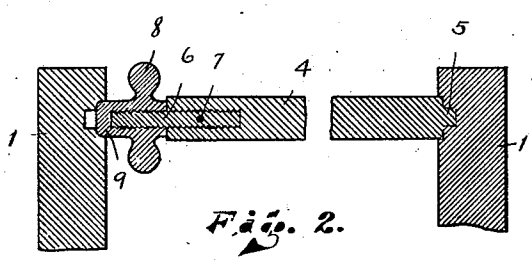


Fig. 2.

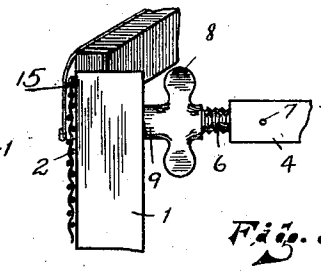


Fig. 3.

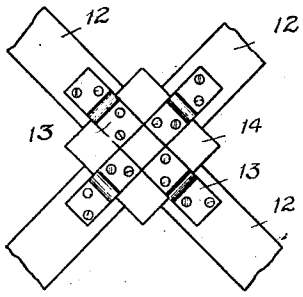


Fig. 4.

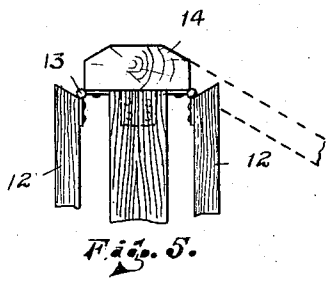


Fig. 5.

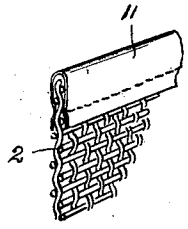


Fig. 6.

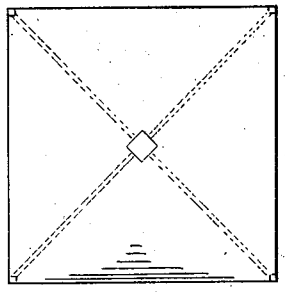


Fig. 7.

Inventor

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Geo. Stevens

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UNITED STATES PATENT OFFICE.

OTTO E. FREDERICK, OF HIBBING, MINNESOTA.

TENT.

Application filed March 17, 1922. Serial No. 544,443.

To all whom it may concern:

Be it known that I, OTTO E. FREDERICK, a citizen of the United States, residing at Hibbing, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Tents, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to tents and has special reference to a knocked down or foldable tent composed of both canvas and wire netting the latter being for protection against insects such as mosquitoes, flies, etcetera, such tent being for use particularly during motor car touring or camping.

The principal object of the invention is to make a convenient tent of this type which may be readily carried in the least possible space and easily erected or knocked down at will.

Another object is to provide a novel structure or knocked down tent that will permit of the convenient use of wire mesh screen for such purposes, as heretofore only cloth or what is known as mosquito bar has been used to advantage.

Other objects and advantages of the invention will appear in the further description thereof.

Referring now to the accompanying drawing forming part of this application in which like reference characters indicate like parts:

Figure 1 is a broken front elevation of one of the improved tents as it would appear set up and ready for occupancy:

Figure 2 is an enlarged, vertical, sectional view of one of the separable corners of the tent frame:

Figure 3 is an elevation of one of the upper corners of the frame of the tent showing the wire netting and canvas in section:

Figure 4 is an under side plan view of the frame structure at the peak of the roof:

Figure 5 is a side elevation of Figure 4 showing the rafters in their folded position:

Figure 6 is an enlarged perspective view of a fragmental portion of the upper edge of the screen or wire netting: and

Figure 7 is a top plan view of the tent frame.

In carrying out the invention I employ four small square wooden posts 1, which act as corner posts to the tent when the latter is assembled, to which is securely attached a single sheet or strip of fine wire screen, such as is commonly used and known as mosquito netting, the same being indicated at 2.

The posts 1 are preferably approximately six or seven feet long and between two of them are placed two smaller spaced door posts 3.

These posts are all securely fastened transverse a strip of the netting 2, which is previously prepared of the proper width and with one of the door posts 3 at either extreme end thereof. The corner posts 1 of the structure are properly spaced so that when placed on end in the form of a square, with the door posts 3 properly positioned apart for the desired width of the door, the posts 1 will form the four corners of a square with the spaced door posts in one side thereof.

As a means of support for the posts 1 1 provide horizontal bracing members 4, one set intermediate each pair of posts at their upper ends and a similar set at the lower ends of the posts. These members consist of simple pieces of light wooden strips removably mortised and tenoned, as at 5, into one post and at their opposite ends carrying an externally screw threaded bolt 6 which is held therein by a suitable rod or pin 7 through both the brace and the bolt, said bolt carrying a wing nut 8 having an elongated hub portion 9 which is, when the stringer is in position, adjustable against the suitably notched face of the corner post opposite to the one in which the other end of the stringer is engaged; the wing nut being internally screw threaded and longitudinally adjustable on the bolt 6, as is obvious.

In this manner the bracing members may be placed intermediate of the posts and slight spreading stress applied thereto for holding the latter firmly in position.

The two bracing members 4 which are used at the front of the tent are provided with suitable notches or other means for holding the door posts 3—3 in position when they are cooperatively associated together. Upon the exterior of the door posts 3—3 is removably applied in any desired manner as for example with snap buttons a canvas door, illustrated at 10.

For convenience of manipulation and durability, I prefer to hem or bind the en-

tire upper edge of the wire screen 2 with a canvas binding illustrated at 11 so that when the roof is applied to or removed from the structure when set up the greatest convenience is afforded.

The roof is of the hip or pyramid type, the four rafters 12 extending radially from the common center where they are hingedly united as at 13 to the under side of the small center peak block 14 and onto these rafters is securely fixed, if preferred, or separate therefrom, the canvas roof, indicated at 14, the same having a depending shroud or apron 15 about the entire eaves thereof, which, when the roof is in position, will extend downwardly and overlap the entire upper edges of the side walls of the tent. The lower free ends of the rafters 12 are suitably notched or stepped to removably engage the upper ends of the corner posts or studs 1.

By this construction the roof requires no other means of fastening to the walls of the tent and the upper edge of the walls being bound as previously described, the canvas tends to form a tight and insect proof joint intermediate of the roof and the side walls of the structure.

From the foregoing it is evident that I have provided an exceedingly simple insect proof tent or closure which may be confined in the least space possible when knocked down, and easily assembled for the purpose intended.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

1. A tent of the class described comprising in combination a foldable fabric covered roof having depending marginal portions, portable corner posts for said roof, and a fabric covering permanently attached to said corner posts forming the walls of the tent, which are overlapped by the depending marginal portions of the roof, and adjustable means for expanding said corner posts into said marginal roof portions.

2. A tent of the character described comprising in combination four radially disposed rafters hingedly united axially, four equi-distant corner posts firmly holding a suitable wire fabric, door posts also permanently attached to the fabric forming the terminations thereof and so spaced intermediate of one pair of posts as to form a door opening when the walls of the tent are set up, a removable canvas cover for said door space, adjustable bracing members intermediate of the posts, one pair of which rigidly support the door post, and a one-piece canvas roof covering the rafters and overlapping the upper ends of the posts, the wall fabric, and the door closure, substantially as described.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

OTTO E. FREDERICK.

Witnesses:
S. C. Bronson,
S. Geo. Stevens.