

July 9, 1929.

P. V. KUHN

1,720,132

TENT FRAME

Filed Jan. 14, 1928

2 Sheets-Sheet 1

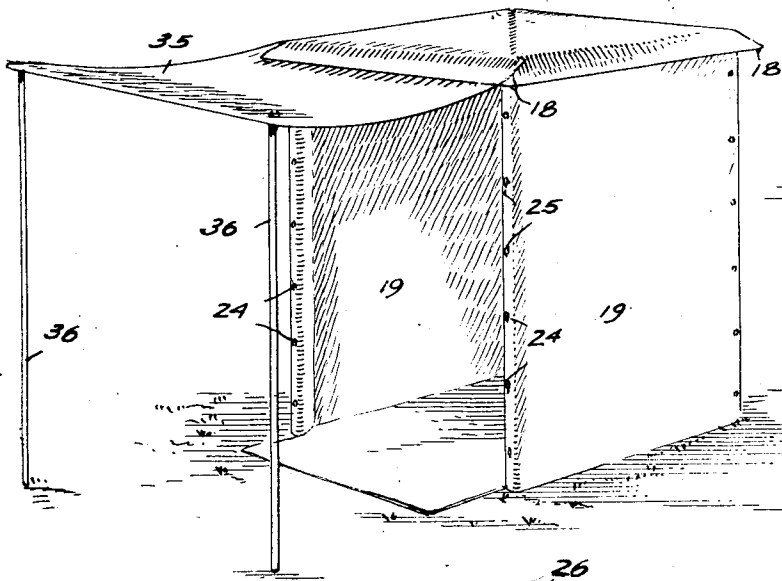


FIG. 1.

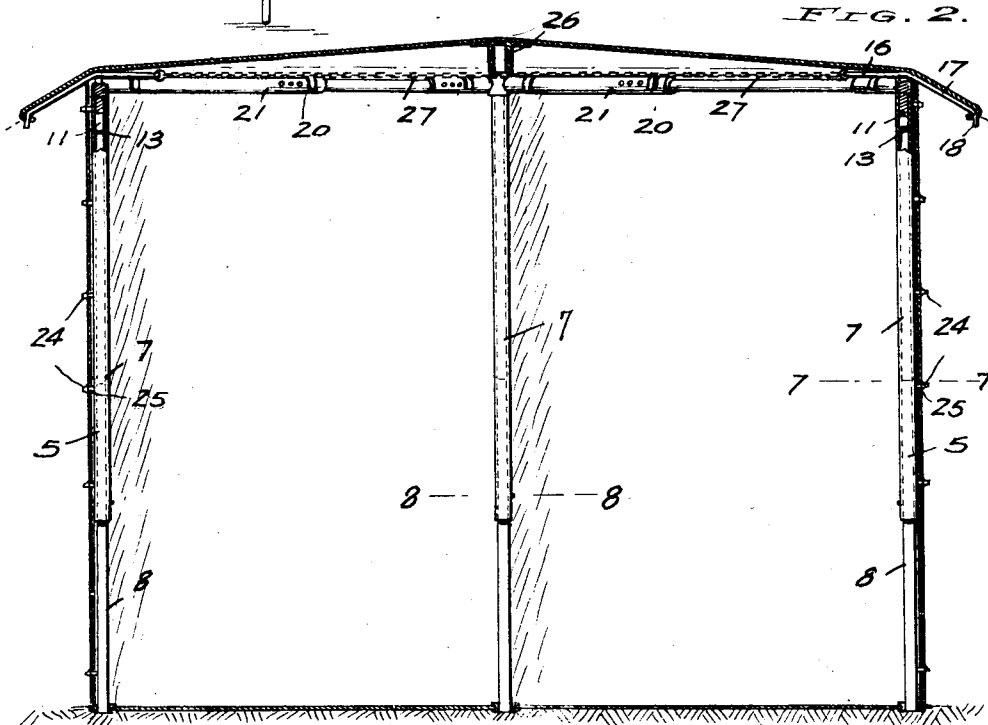


FIG. 2.

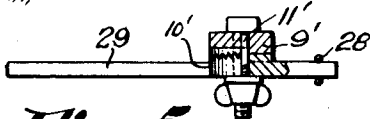


Fig. 5.

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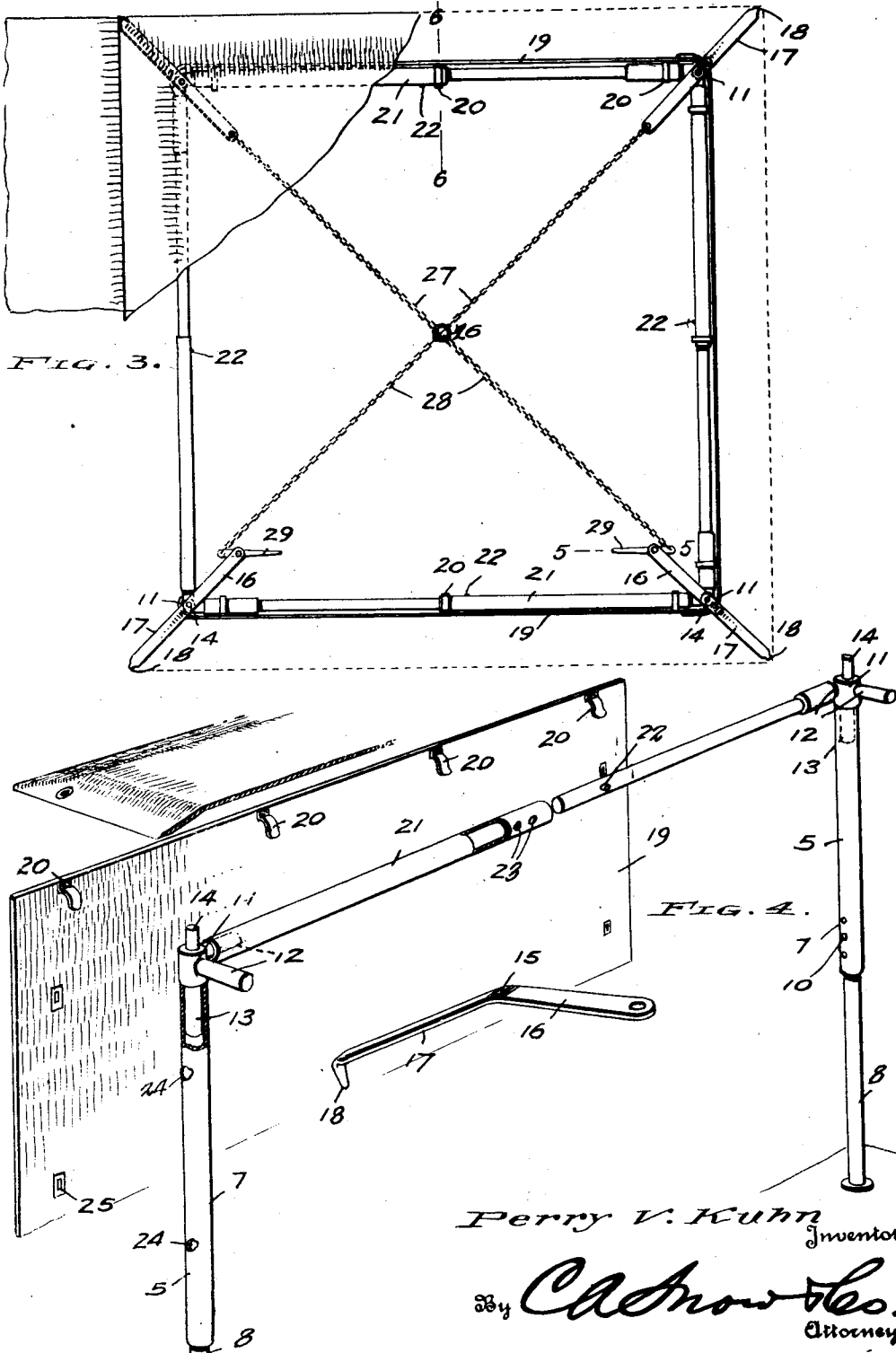
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2 Sheets-Sheet 2



UNITED STATES PATENT OFFICE.

PERRY V. KUHN, OF TIFFIN, OHIO.

TENT FRAME.

Application filed January 14, 1928. Serial No. 246,808.

This invention has reference to tents and tent frame construction, the primary object of the invention being to provide a tent frame which may be readily and easily set up for use, and one which when folded, will embody a substantially small and compact article.

An important object of the invention is to provide means for tightening the frame after it has been set up, to insure against sagging of the roof section of the canvas covering so that water will run off of the roof section readily.

A still further object of the invention is to provide means for attaching the canvas sections forming the walls of the tent to the frame in such a way as to insure against displacement by wind pressure.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawings:

Figure 1 is a perspective view illustrating a tent constructed in accordance with the invention.

Figure 2 is a sectional view therethrough.

Figure 3 is a top plan view of the tent, a portion of the roof section being broken away.

Figure 4 is a perspective view illustrating a portion of the frame, and one of the side sections of the tent.

Figure 5 is a detail view partly in section illustrating the manner of securing the levers that tighten the tent chains taken, on line 5—5 of Figure 3.

Referring to the drawings in detail, the tent frame is substantially rectangular in formation and includes corner posts 5 and a central post 6, the corner posts including upper sections 7 tubular in formation, and lower sections 8 which extend into the sections 7.

A spring pressed pin 10 is carried by each section 8 and engages in an opening in the section 7 associated therewith, to hold the sections 7 and 8 in their positions of adjustment. Extending into each section 7 is a connecting member 11, which connecting members include enlargements and lateral extensions 12

of diameters to fit within the tubular sections of the horizontal bars that are employed for connecting the corner posts.

An extension 13 forms a part of each connecting member and is designed to fit within the upper end of the tubular section 7 associated therewith. Extending upwardly from each connecting member is a pin 14 adapted to pass through the opening 15 of the arm 16 associated therewith.

The arms 16 are mounted at the corners of the frame and as shown extend downwardly as at 17, the outer ends of the arms being bent at right angles defining prongs 18 adapted to be positioned in suitable openings formed in the cover. Thus it will be seen that due to this construction, a tent is provided with an overhanging roof to protect the upper portion of the tent against the elements.

The reference character 19 designates one of the side walls of the tent and as shown, includes clips 20 arranged along the upper edge thereof, which clips are adapted for positioning over the side rails 21 of the tent frame.

A spring pin 22 is carried by one section of each side rail, and is adapted to pass into the openings 23 of the cooperating section of the side rail to hold the sections in position.

Buttons 24 are secured to the corner posts of the frame and adapted to be passed through the openings 25 formed along the side edges of the wall sections of the tent, whereupon the winged screws are turned to clamp the wall sections in position.

Chains 27 connect with certain arms 16 and have connection with the central ring 26. Chains 28 also connect with the central ring 26 and have connection with the levers 29 that have pivotal connection with certain arms 16 so that when the levers 29 are operated in a manner as shown by Figure 3, the chains will be tightened and held in a taut condition.

The reference character 35 designates an extension sheet which is provided with openings adjacent to its inner end to be fitted over the upstanding pins 14 of the connecting members adjacent to the end of the tent structure with which the extension is used. The arms 16 are now positioned thereover so that the overhanging edge of the roof or cornice of the tent covers the inner end of the extension strip to exclude rain at this point.

Posts 36 are connected with the extension

sheet 35 at the free edge of the extension sheet, the corner posts 36 being forced into the ground surface to hold the sheet in its extended position.

5 As clearly shown by Figure 9, the arms 16 are provided with enlargements 9' which are formed with teeth cooperating with the teeth 10' of the levers 29 which are held to the arms 16 by means of the bolt 11', so that when the
10 levers 29 are moved, to tighten the tent chains, the levers will be held in their positions of adjustment.

I claim:

1. In a tent construction, corner posts and
15 a central post, arms pivotally mounted at the upper ends of the corner posts and having their ends extending beyond the sides of the posts, flexible members connected with certain arms and the central post, levers pivotally
20 ally mounted on certain arms, said flexible members being connected with the levers, said

levers adapted to move to tighten the flexible members to hold the posts against lateral movement, means for locking the levers in their positions of adjustments, and a cover 25 fitted over the posts.

2. In a tent construction, corner posts and a central post, arms mounted on the upper ends of the corner posts and having downwardly extended outer extremities formed
30 with hooks, flexible members connected with certain arms and with the central post, levers connected with the arms at one side of the tent construction, said flexible members being connected with the levers, said levers adapted
35 to move to tighten the flexible members, and a cover having openings to receive the hooks to hold the cover in position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

PERRY V. KUHN.