

March 7, 1933.

A. DEL VECCHIO

1,900,335

COLLAPSIBLE TENT AND FRAME

Filed June 4, 1931

2 Sheets-Sheet 1

Fig. 1.

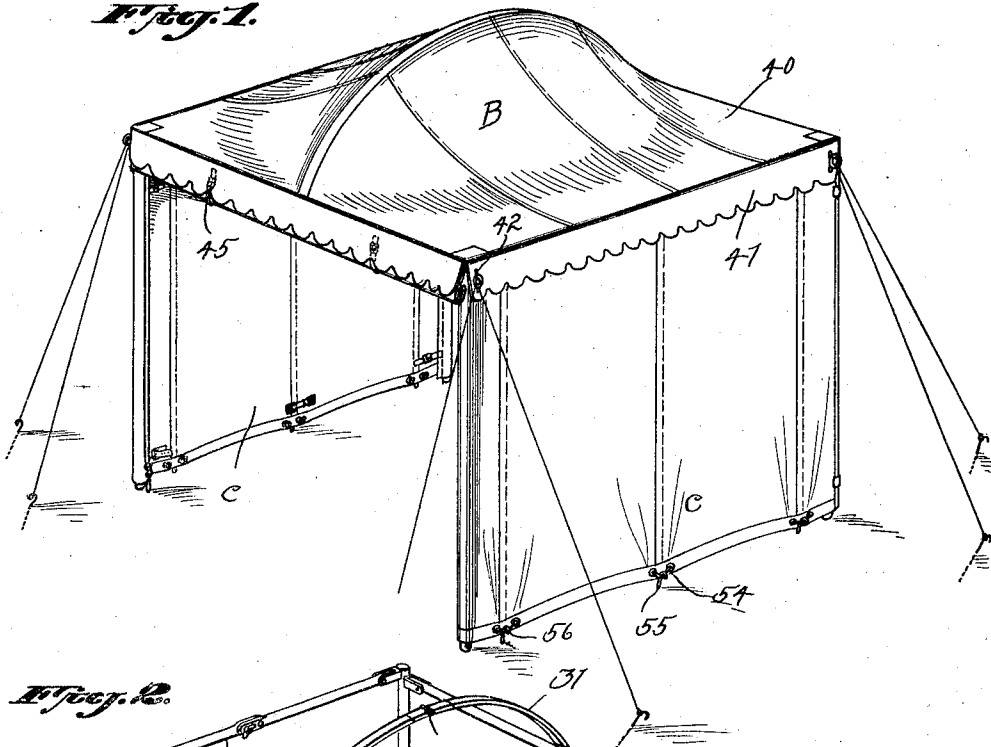
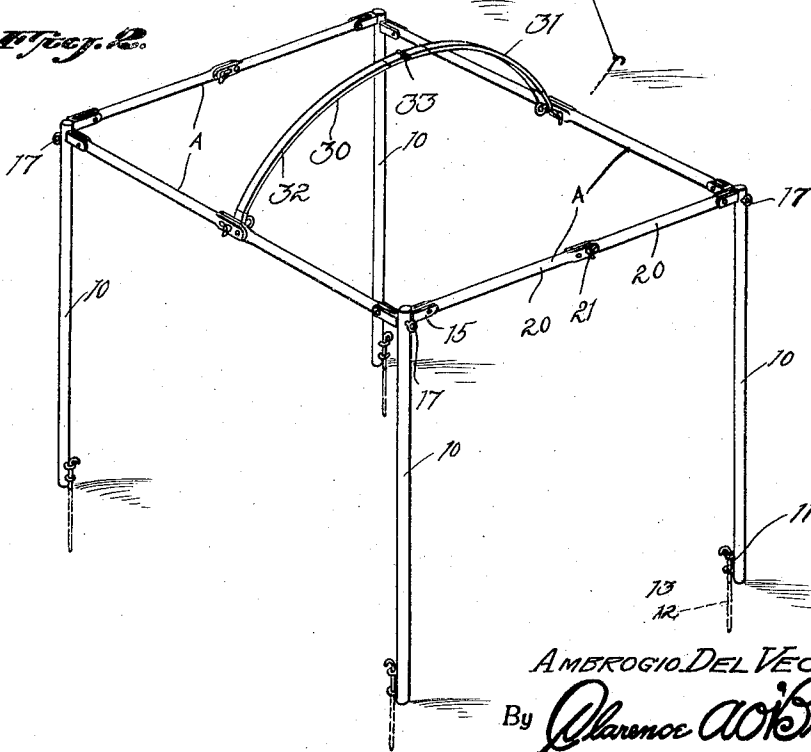


Fig. 2.



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Fig. 3.

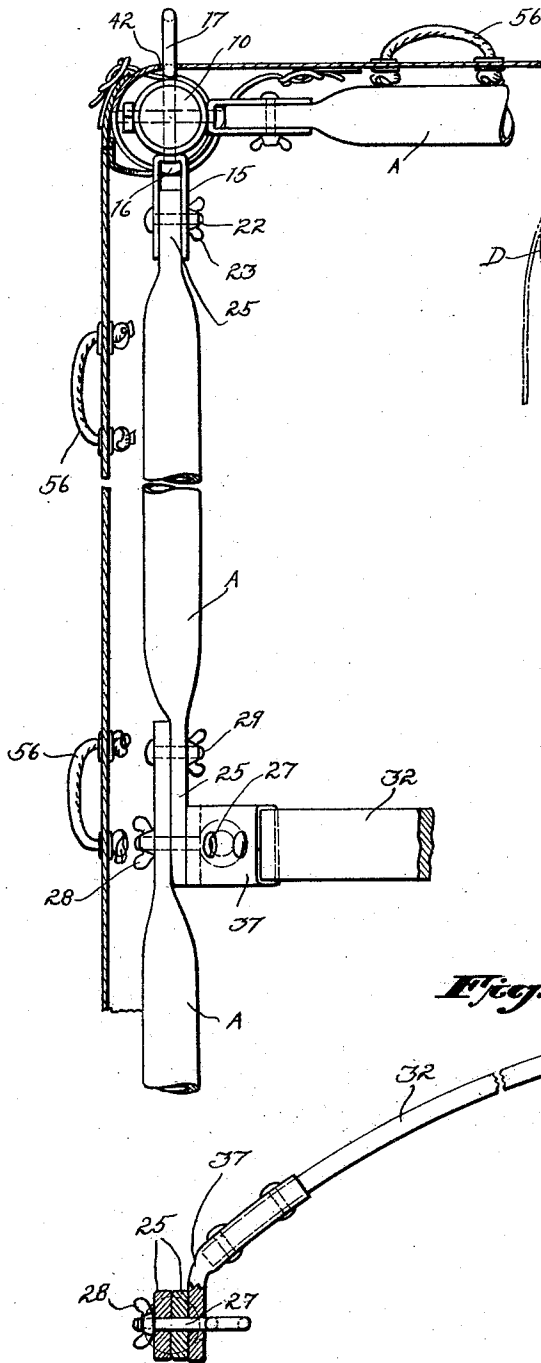


Fig. 4.

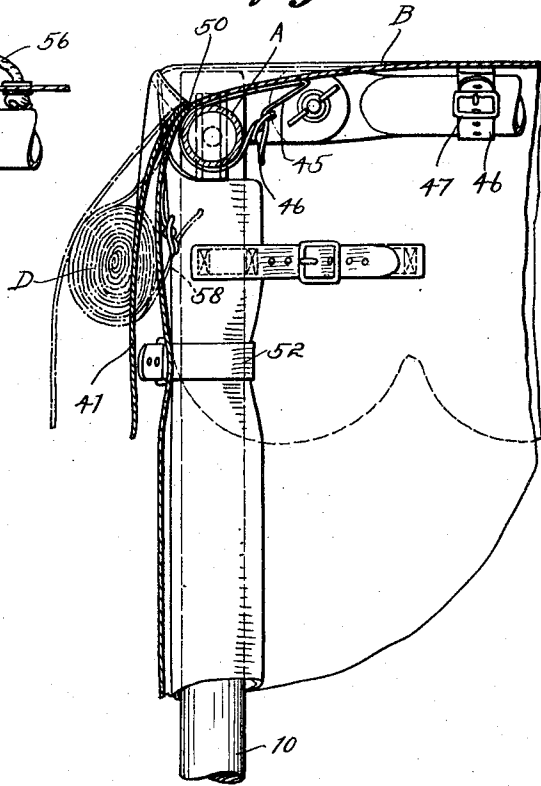
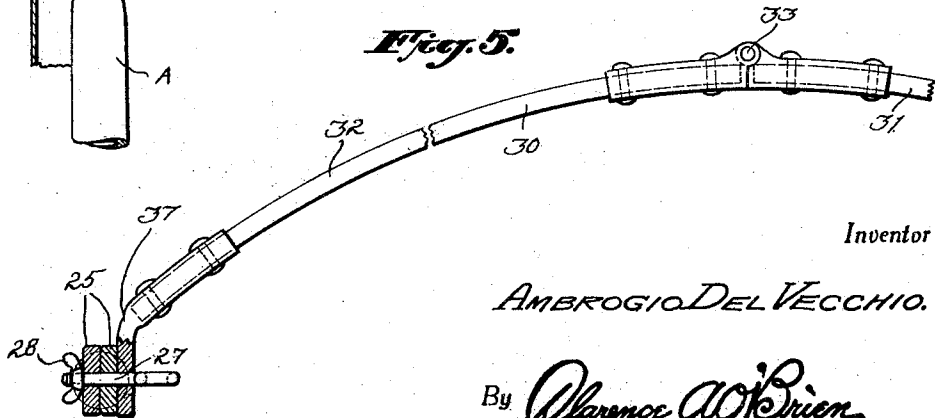


Fig. 5.



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COLLAPSIBLE TENT AND FRAME

Application filed June 4, 1931. Serial No. 542,134.

The present invention relates to new and useful improvements in tents and tent frames, and more particularly it pertains to devices of this character of the folding type.

It is the primary object of the present invention to provide a new and improved tent of the folding type which is especially adapted for use in the protection of workmen digging graves and for persons attending burials during inclement weather. It is to be understood, however, that the invention is not to be limited to tents of the aforementioned type, but may be employed in connection with tents for camping and other purposes.

A further object of the invention resides in the provision of a tent which may be readily erected and taken down, and in which the several parts are not necessarily disconnected with relation to each other when the tent is taken down.

It is a further object of the invention to provide a tent which will be staunch and sturdy when erected, and which will be weatherproof when in the erected position.

With the above and other objects in view, reference will be had to the accompanying drawings forming a part of this application wherein

Figure 1 is a perspective view of a tent constructed in accordance with the present invention, the tent being illustrated in its erected position,

Figure 2 is a perspective view illustrating the tent frame in its erected position,

Figure 3 is a horizontal sectional view on an enlarged scale showing the detail construction of certain elements of the frame, and the manner in which the side walls of the tent are attached to the frame,

Figure 4 is a vertical sectional view on an enlarged scale further illustrating the manner in which the side walls of the tent are attached to the frame, and also illustrating the manner in which the roof of the tent is attached to the frame, and;

Figure 5 is a detail view partly in section and partly in elevation on an enlarged scale

illustrating a roof beam or top supporting member.

Referring more particularly to the drawings, the frame comprises a plurality of uprights or standards 10. These uprights or standards 10 are preferably of tubular construction, and are provided with anchoring means 11 for securing them in position upon the ground. These anchoring means may comprise pins or the like 12 which are mounted in eyes or the like 13 carried by the uprights or standards 10 which pins are adapted to be driven into the ground after the standards have been positioned thereon.

Each standard carries at its upper end a plurality of clips or the like 15. As best illustrated in Figure 3 of the drawings, these clips are U-shaped in form and are secured to their respective uprights or standards 10 by means of a bolt or the like 16. This bolt 16 has a projecting eye portion 17 the purpose of which will be hereinafter described.

The uprights or standards 10 are connected by horizontally extending members A and these members A serve to maintain the uprights or standards 10 in their proper position and also form the frame for the tent.

These horizontally extending members consist of two sections 20 pivotally connected together as at 21. The ends of these sections A are pivotally mounted in the clips 15 by means of bolts or the like 22 and these bolts 22 preferably carry wing nuts 23 by means of which the clips 15 may be tightened about the ends of the members A in order to secure them in position. The members A or the section 20 from which they are formed are preferably of tubular form, and when so constructed have their ends flattened as at 25 in order to form a bearing portion for the clips 15. The members 20 at their connected point 21 are secured together by means of bolts or the like 27 having wing nuts 28 and this arrangement permits of pivotal movement of the members 20 relative to each other for the purpose of folding the frame. When the frame is in its extended position, however, pivotal movement between the members 20 may be pre-

vented by means of relatively small bolts 29 having wing nuts which are shown in Figure 3 may be inserted in openings in the flattened ends of the members 20 to prevent pivotal movement of the members about their fastening bolts 27.

The reference numeral 30 designates an arched member which is composed of two sections 31 and 32 which are hingedly connected as at 33 in end to end relation. This member 30 is secured to opposite sides of the frame by means of end members 37 which are adapted to receive the bolts 27 as best illustrated in Figure 5 of the drawings which bolts when the wing nuts 28 are tightened up serve to secure the arched member 30 in position.

The reference character B designates a roof and this roof consists of a main body portion 40 having depending sides or edge flaps 41. The side or edge flaps 41 are provided with openings or the like 42 which are adapted to receive the eye members 17 of the bolts 16 heretofore mentioned to secure the top member B in position upon the frame, and on its under face, the top member B is provided with straps and buckles 45 and 46 respectively which are adapted to serve to secure the top member to the side members A.

The side walls of the tent are designated C and these side walls are preferably formed from canvas and are secured in position by sewing or the like as at 50 to the top member B although the side walls may if desired be a continuation of the top member B and the edge members 41 may be sewed to the top and side walls. The side walls are provided with straps or the like 52 which pass around the standards 10 as best illustrated in Figure 4 to secure the side walls to the standards 10, and along their bottom edge the side walls may be provided with loops or the like 54 for the reception of pins or stakes 55 having hooked ends 56 which are adapted to engage the loops in such a manner that when the stakes are driven into the ground the side walls of the tent will be pulled down tightly to insure the tent being weathertight.

Straps such as 58 may be provided to support the side walls C in rolled up position as indicated at D in Figure 4 when so desired.

Thus it will be apparent that the present invention provides a new and novel tent which may be readily and expeditiously set up and securely held in its set up position and yet a device in which the supporting frame of the tent may be readily knocked down and folded in its knocked down position without necessitating a disassembling of the several elements or parts of the frame. Furthermore, the construction provides a tent which when set up will be strictly watertight and weatherproof.

While the invention has been herein disclosed in a preferred form, it is to be understood that the invention is not to be limited to the specific construction herein shown, and that it may be practiced in other forms without departing from the spirit thereof.

Having thus described the invention, what is claimed as new and what it is desired to secure by Letters Patent of the United States, is:

1. A folding tent frame, comprising uprights, U-shaped clips removably carried by said uprights, horizontally extending members pivotally mounted in said clips, and means for connecting together, the horizontal members of adjacent uprights.

2. A folding tent frame comprising uprights, U-shaped clips carried by said uprights, bolts passing through the uprights and through the base portions of the U-shaped clips for securing the U-shaped clips to the uprights, horizontally extending members pivotally mounted between the legs of the U-shaped clips, and means for connecting the horizontally extending members of adjacent uprights.

3. A folding tent frame comprising uprights, U-shaped clips carried by said uprights, bolts passing through the uprights and through the base portions of the U-shaped clips for securing the U-shaped clips to the uprights, horizontally extending members pivotally mounted between the legs of the U-shaped clips, and hinge means for connecting the horizontally extending members of adjacent uprights.

4. A folding tent frame comprising uprights, horizontally extending members detachably connected to each other and to said uprights, and an arched member extending across the frame and connected thereto at opposite sides thereof, said arched member comprising a plurality of members pivotally connected together in end to end relation and detachably secured in position by the fastenings of the adjacent ends of the horizontal members.

5. A folding tent comprising a plurality of standards, anchoring means carried by each standard, horizontally extending members connecting said standards, and pivotally connected thereto, eye members carried by the standards, a top member having openings to receive said eye members, to retain the top member in position, side wall members having openings for the reception of said eye members, guy wires connected in said eye members, and anchoring means for said guy wires.

6. In a collapsible tent, a frame comprising uprights, horizontally extending members pivotally connected to each other and to said uprights, an arched member extending across the frame and pivotally connected

thereto at opposite sides thereof, and being
formed of a plurality of hingedly connected
sections, the outer ends of the sections being
pivotaly connected to a pair of the horizon-
tal members.

In testimony whereof I affix my signature.

AMBROGIO DEL VECCHIO.

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