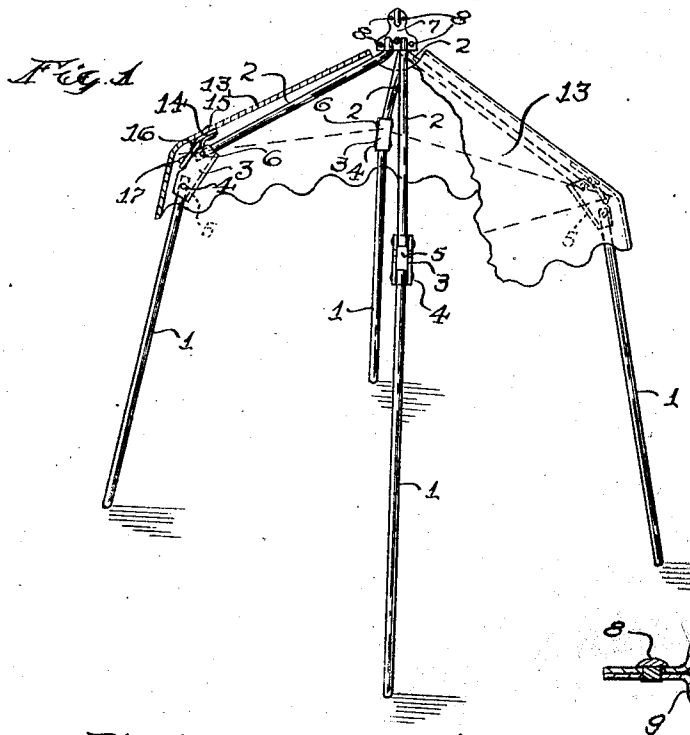
Aug. 2, 1927. 1,637,725

W. C. BAXTER

CANOPY OR TENT

Filed Aug. 2, 1926

Fig. 1



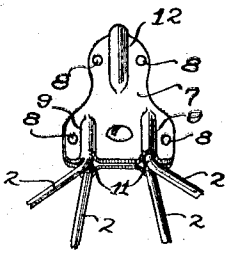


Fig. 3

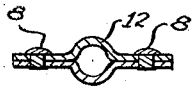


Fig. 6

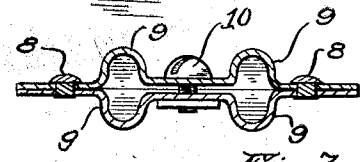
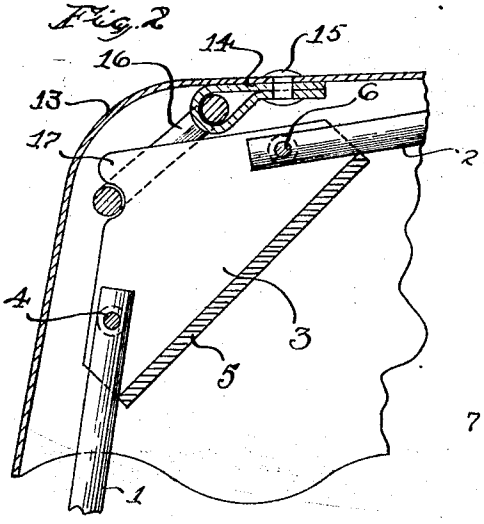


Fig. 7

Fig. 2



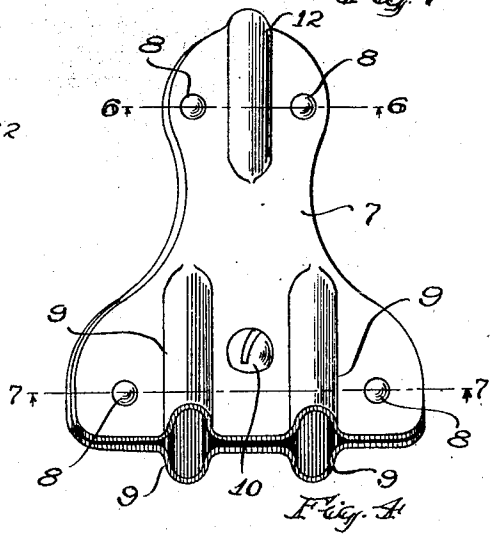
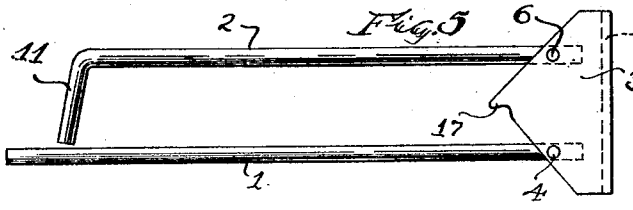


Fig. 4

Fig. 5



INVENTOR
William C. Baxter
BY
Davis & Simmons
his ATTORNEYS

Patented Aug. 2, 1927. 1,637,725

UNITED STATES PATENT OFFICE.

WILLIAM C. BAXTER, OF ROCHESTER, NEW YORK, ASSIGNOR TO E. M. TRIMBLE MFG. CO., INC., OF ROCHESTER, NEW YORK, A CORPORATION OF NEW YORK.

CANOPY OR TENT.

Application filed August 2, 1926. Serial No. 126,427.

The present invention relates to canopies or tents and an object thereof is to provide a construction which may be readily collapsed into a small compass. Another object of the invention is to provide a construction which is strong and durable in use and inexpensive to manufacture. A further object of the invention is to provide a novel connecting means between a top rod and the upright which will support said parts in their operative positions, but which will, at the same time, permit the top rod and the upright to be folded in parallel relation. Another object of the invention is to provide a novel means of connecting a number of top rods at the center of the canopy or tent. Still another object of the invention is to provide a novel means of connecting the covering to the connecting pieces between the uprights and the top rods.

To these and other ends, the invention consists of certain parts and combinations of parts, all of which will be hereinafter described: the novel features being pointed out in the appended claims.

In the drawings:

Fig. 1 is a perspective view of a canopy constructed in accordance with this invention;

Fig. 2 is an enlarged fragmentary sectional view showing the connection between an upright and a top rod and the manner in which the covering is secured in place;

Fig. 3 is a perspective view showing the central connection with fragments of the four rods connected thereto;

Fig. 4 is an enlarged perspective view of the central connection;

Fig. 5 is a detail view showing an upright and a top rod folded into parallel relation;

Fig. 6 is a section on the line 6—6, Fig. 4; and

Fig. 7 is a section on the line 7—7, Fig. 4.

In the illustrated embodiment of the invention, there is employed four uprights 1, made, in this instance, of metal rods and each connected to a top rod 2, the top rod being arranged in diverging relation and in turn being connected to a central connecting member to be described hereinafter more fully.

The connection between each top upright 1 and the top rod 2, in this instance, embodies a channel member 3 formed preferably from sheet metal bent into substantially U shape in cross section. An upright 1 is pivoted at 4 between the two sides of this channel member and to its sides in spaced relation to the bottom 5 of the channel and also in spaced relation to an end of the channel. A top rod 2 is pivoted at 6 also between and to the sides of the channel in spaced relation to the sides of the channel and to an end of the channel. With this arrangement the rods 1 and 2 will cooperate with the ends of the bottom portion 5 of the channeled connecting member as illustrated in Fig. 1, and so as to limit the movement of said rods, in one direction, the rods, however, may be swung in the other direction as illustrated in Fig. 5, so that they may lie in substantially parallel relation.

The central connecting member, in this instance, embodies two sheet metal plates 7 held in abutting relation by rivets 8 except that between the two lower rivets 8, where the plates are bent or curved outwardly slightly so that they do not abut at their central portions. The plates are also depressed in their opposed faces as at 9, each preferably at two points on its lower side so that in the member as a whole two sockets are provided which have elongated cross sections. Between these sockets a bolt 10 passes through those portions of the two members which are slightly spaced so that by tightening this bolt the two spaced portions may be drawn together in order to clamp in each pocket two of the upwardly deflectel ends 11 on two top rods 2. In this way all four of the top rods are held in these two pockets, two in each pocket. This central member may also have its upper portion provided with an upwardly opening pocket formed by depressing the opposed faces at 12, this pocket being provided in order that a flag pole may be introduced therein.

The canopy or tent covering 13 is formed to fit over the top rods 2 and, in this instance, to depend only a short distance below the upper ends of the uprights 1. On the inner face adjacent each top rod a loop 14 is fastened as at 15 and through this loop a ring 16 passes. These rings interlock with the connecting members 3 and to this end

each connecting member is provided in each side of its channel member with a notch 17 forming a hook with which a ring 16 engages, thus holding the covering in a taut condition over the top rods.

From the foregoing it will be seen that there has been provided a canopy or tent in which the top rods and uprights are pivoted between the sides of channel members at points spaced from the bottoms and ends of the channels, so that top rod and the upright abut the ends of the bottoms of the channel members and hold the parts in their properly related positions. This connection permits the folding of a top rod into parallel relation with an upright. The top rods are connected to a central member of novel construction which is formed of two plates deflected to provide between them two pockets each of elongated cross section in which deflected ends of two top rods may be secured. These plates are bowed or curved at their centers so that they may be drawn together in order to bind the top rods in the pockets. The plates also provide at their upper ends pockets for the reception of a flag pole. Each connecting member has its sides notched to provide hooks with which rings on the inner face of the covering may be engaged to hold a covering in place.

What I claim as my invention and desire to secure by Letters Patent is:

1. In a tent or canopy the combination of an upright, a top rod and a connector between said parts embodying a channel member having the rod and the upright pivotally mounted in the channel in spaced relation to the bottom and ends thereof and adapted to engage the bottom of the channel to one side of their pivots in order to define the angular relation between the two members.

2. In a tent or canopy the combination of an upright, a top rod, a connector bent from sheet metal in channel form and having the top rod and the upright pivoted within the channel to the side walls thereof in spaced relation to the bottom of the channel and to the end thereof, so that the top rod and upright may engage the bottom of the channel to one side of their pivots in order to define the angular relation between the two members.

3. In a tent or canopy the combination of an upright, a top rod, a channelled connector to which the top rod and upright are secured having hooks on opposite sides of the channel with which suitable devices on the covering may be secured.

4. In a tent or canopy the combination of an upright, a top rod, and a connector between the two provided with a hook with which a suitable device on the covering of a tent may be engaged.

5. A canopy or tent comprising a plurality of diverging top rods, uprights, means connecting the uprights and top rods provided with hooks, and a covering for the top rods having rings secured to the underside for engagement with said hooks.

6. A canopy or tent comprising top rods arranged in diverging relation, uprights connected to the outer ends of the top rods, hooks arranged adjacent the junction of the top rods with the uprights, and a covering having rings on the underside thereof for engagement with said hooks.

7. A canopy or tent comprising top rods, uprights secured to the outer ends of said top rods, upwardly extending projections at the inner ends of said top rods, and a central connecting member having two pockets of elongated cross section, each of said pockets receiving two of said projections.

8. A canopy or tent comprising uprights, top rods having their outer ends secured to the uprights, upwardly extending projections on the inner ends of said top rods, and a central connecting member formed with two abutting plates, each provided with two depressions on its abutting face forming two pockets of elongated cross section in each of which two projections of the top rods are fitted.

9. A canopy or tent comprising uprights, top rods connected at their outer ends to the uprights, projections at the inner ends of said top rods, and a central member formed of two abutting plates, each provided with two depressions on its abutting face forming two pockets of elongated cross section, the plates being spaced apart between the pockets, and a bolt passing through both plates between the pockets for drawing the same together in order to clamp the projections in the pockets.

10. A canopy or tent comprising uprights, top rods connected at their outer ends to the uprights, projections at the inner ends of said top rods, and a central member formed of two abutting plates, each provided with two depressions on its abutting face forming two pockets of elongated cross section, the plates being spaced apart between the pockets, and a bolt passing through both plates between the pockets for drawing the same together in order to clamp the projections in the pockets, said plates each having at its upper ends a depression forming an upwardly opening pocket in which a flag pole may be received.

WILLIAM C. BAXTER.