

F. F. WARD.
 UMBRELLA RACK.

APPLICATION FILED JUNE 15, 1910.

1,022,449.

Patented Apr. 9, 1912.

2 SHEETS-SHEET 1.

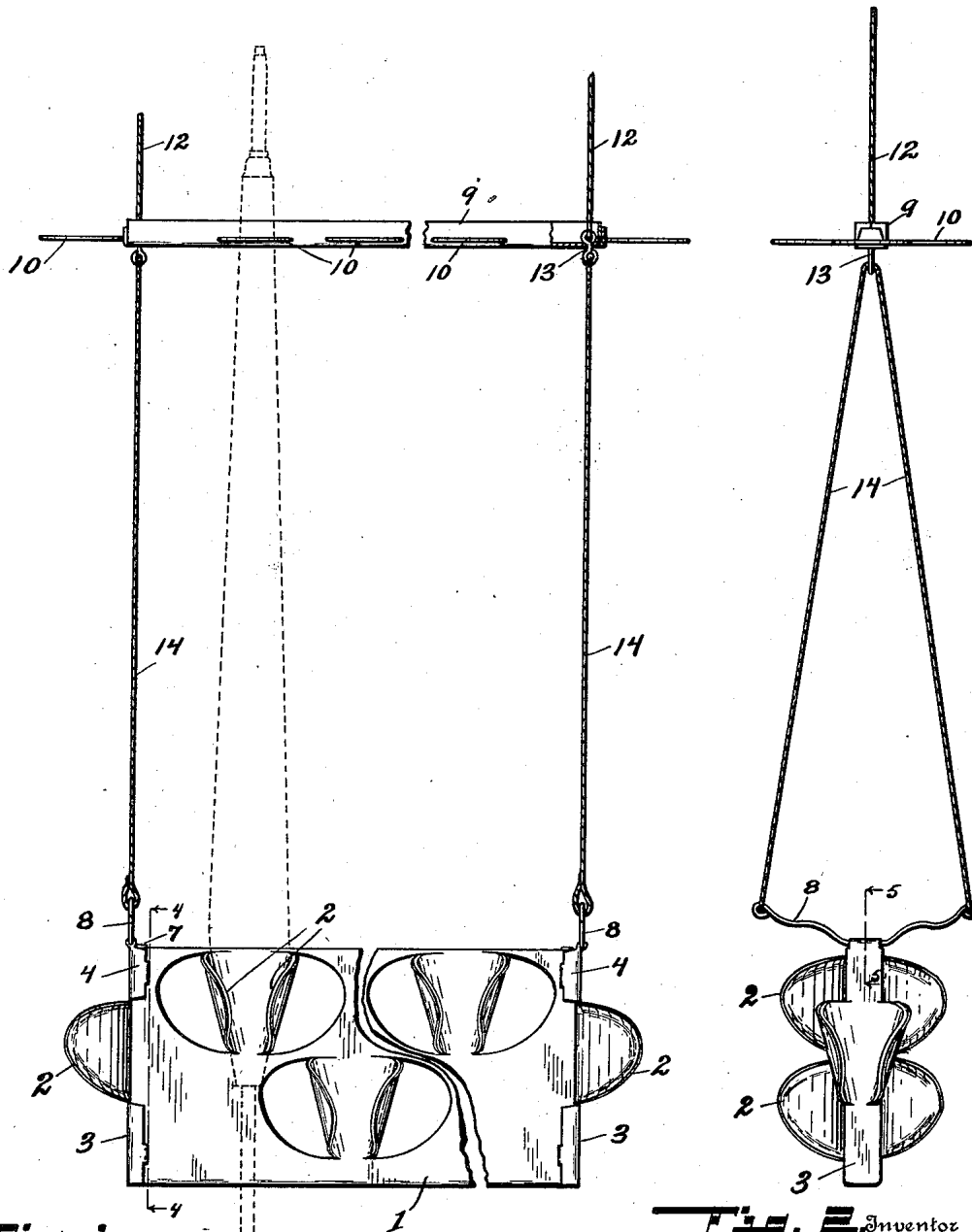


Fig. 1.
 Witnesses
 Gertrude Tallman
 W. Phineas Woodneff.

By

Fig. 2. Inventor
 Frank F. Ward
 Chaffee & Carl
 Attorneys

F. F. WARD.
 UMBRELLA RACK.
 APPLICATION FILED JUNE 15, 1910.

1,022,449.

Patented Apr. 9, 1912.

2 SHEETS—SHEET 2.

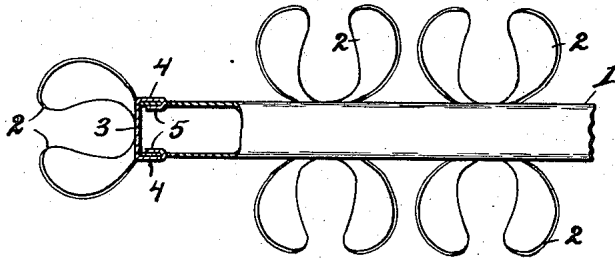


Fig. 3.

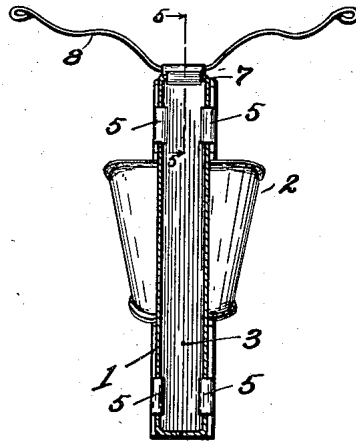


Fig. 4.

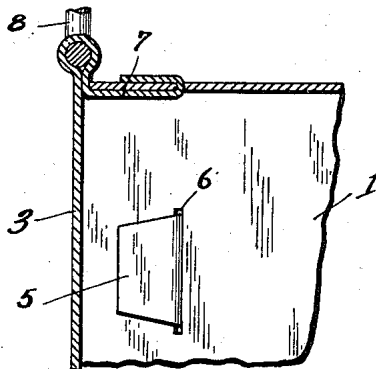


Fig. 5.

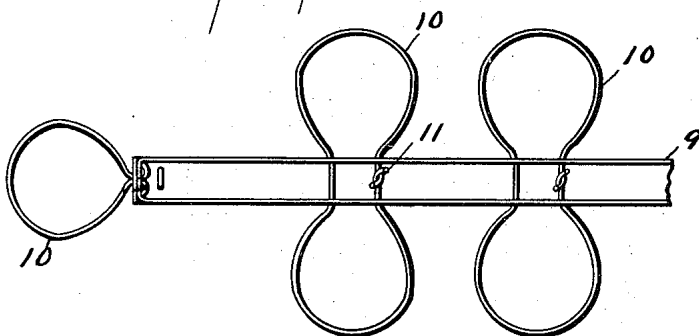


Fig. 6.

Witnesses
 Gertrude Tallman
 M. Oliver Woodruff.

By

Frank F. Ward
 Chappell & Co.

Inventor

Attorneys

UNITED STATES PATENT OFFICE.

FRANK F. WARD, OF SCHOOLCRAFT, MICHIGAN.

UMBRELLA-RACK.

1,022,449.

Specification of Letters Patent.

Patented Apr. 9, 1912.

Application filed June 15, 1910. Serial No. 567,059.

To all whom it may concern:

Be it known that I, FRANK F. WARD, a citizen of the United States, residing at the village of Schoolcraft, county of Kalamazoo, State of Michigan, have invented certain new and useful Improvements in Umbrella-Racks, of which the following is a specification.

This invention relates to improvements in umbrella racks.

The main objects of this invention are, first, to provide an improved umbrella rack which is of large capacity, and, at the same time, one which is quite compact. Second, to provide an improved umbrella rack, which is neat and attractive in appearance, and, at the same time, one which is economical in structure and convenient to use.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The structure described constitutes one effective embodiment of my invention. Other embodiments would be readily devised by those skilled in the art.

The invention is clearly defined and pointed out in the claims.

A structure constituting an effective and preferred embodiment of the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure 1 is a detail side elevation of a structure embodying the features of my invention, an umbrella being shown by dotted lines in position therein to illustrate the manner of supporting the same. Fig. 2 is an end elevation of the structure appearing in Fig. 1. Fig. 3 is a detail plan view of the bottom bar of my improved umbrella rack. Fig. 4 is an enlarged detail vertical section, taken on a line corresponding to line 4—4 of Fig. 1. Fig. 5 is a detail vertical longitudinal section, taken on a line corresponding to line 5—5 of Fig. 4. Fig. 6 is a detail plan view of the top bar or member of my improved rack.

In the drawing, the sectional views are taken looking in the direction of the little arrows at the ends of the section lines, and similar numerals of reference refer to similar parts throughout the several views.

Referring to the drawing, the bottom bar or member 1 of my improved rack is formed of sheet metal, a strip of sheet metal being preferably folded upon itself into a box-like form, as clearly appears in the drawing. The holders are formed integrally with the bar or member 1 by punching out ears 2 thereon. These ears are arranged in opposed pairs and diverge upwardly and are preferably curved in cross section, as clearly appears from the drawing, forming conical holders adapted to receive the conical portion of the umbrella, as shown by dotted lines in Fig. 1. These holders are preferably disposed in a zigzag relation to bring them out of vertical alinement. This arrangement utilizes substantially the full area of the sides of the bar. The ends 3 of the bar are also formed of sheet metal, the edges, as 4, being folded over the sides of the bar and secured by means of the tongues 5, which are arranged through the slots 6. This prevents the spreading of the bar and makes it rigid and solid. The upper edges of the end pieces are also provided with tongues 7, which are arranged through the top of the bar, as shown in Fig. 5. These tongues are also preferably adapted to engage the horizontally-disposed suspending rods 8, the tongues being folded over the rods, and then inserted through the slots in the top of the bar. This forms an effective attaching means for the supports of the bar. The end pieces are also preferably provided with holders formed integrally therewith, thus providing an additional holder for the rack and giving it a balanced complete appearance. The top bar or member 9 is channel-shaped in cross section, and is also preferably formed of sheet metal. This bar is provided with a series of holders 10, arranged in vertical alinement with the holders of the bottom bar or member 1. The holders of the top bar are preferably formed of double loops of wire arranged through the sides of the bar 9, the ends of the wires being secured together within the channel, as at 11. This gives the bar a complete or finished appearance, and the loops are effectively supported so that they may be formed of quite light wires. The rack is suspended by means of the cords 12, which are connected to the links 13, arranged through the bar 9. The rods 8 are connected to these links 13 by means of the cords 14,—see Figs.

1 and 2. By this arrangement of the parts, I secure a rack which is simple in structure and has a comparatively large capacity. The umbrellas supported thereby are all readily accessible and are attractively displayed.

I have illustrated and described my improvements in detail in the form preferred by me, although I am aware that they are capable of considerable structural modification without departing from my invention, but, as the modifications will be readily understood by those skilled in the art to which this invention relates, I have not attempted to illustrate or describe such modifications herein.

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

1. An umbrella rack comprising a bar formed of sheet metal folded upon itself and having integrally-formed holders on the sides thereof, each consisting of a pair of opposed upwardly-diverging ears, end pieces for said bar having their edges folded over the sides of the bar, said end pieces being provided with tongues arranged through suitable slots in the top and sides of said bar, said end pieces being provided with integrally-formed holders, and suspending rods for said bar, the tongues at the upper edges of said end pieces being folded over the suspending rods.

2. An umbrella rack comprising a bar formed of sheet metal folded upon itself and having integrally-formed holders on the sides thereof, each consisting of a pair of opposed upwardly-diverging ears, end pieces for said bar having their edges folded over the sides of the bar, said end pieces being provided with tongues arranged through suitable slots in the top and sides of said

bar, said end pieces being provided with integrally-formed holders.

3. An umbrella rack comprising a bar formed of sheet metal folded upon itself and having integrally-formed holders on the sides thereof, each comprising a pair of opposed upwardly-diverging ears, end pieces for said bar engaging and supporting said sides, and suspending rods for said bar, said end pieces being provided with tongues at their upper edges engaging said suspending bars.

4. An umbrella rack comprising a bar formed of sheet metal folded upon itself and having integrally formed holders on the sides thereof, each comprising a pair of opposed upwardly diverging ears, and end pieces for said bar engaging and supporting said sides, said end pieces being provided with suspending means.

5. An umbrella rack comprising a channel shaped bar opening upwardly, and holders formed of wires inserted through both arms of the channel bar and looped, the ends of the wires being inserted through the adjacent arms of the channel and secured to each other within the channel.

6. An umbrella rack comprising a channel shaped bar opening upwardly, and holders formed of wires inserted through both arms of the channel and looped, the ends of the wires being inserted through the adjacent arms of the channel and secured within the same.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

FRANK F. WARD. [L. S.]

Witnesses:

F. GERTRUDE TALLMAN,
PHINA WOODRUFF.