

W. H. TAYLOR.
 UMBRELLA.
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1,066,061.

Patented July 1, 1913.

Fig. 1.

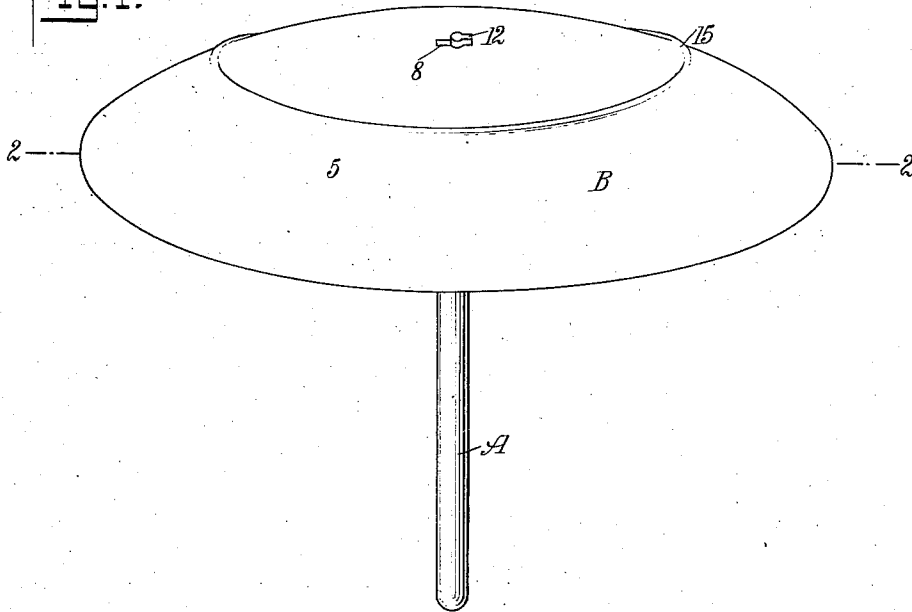


Fig. 2.

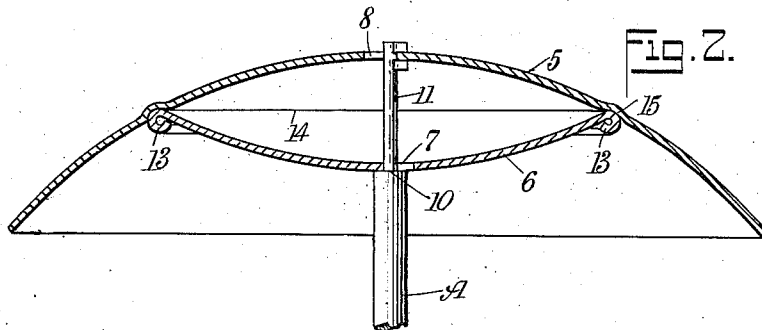


Fig. 3.

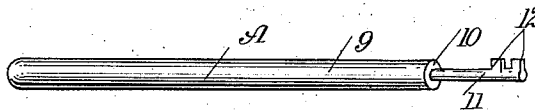
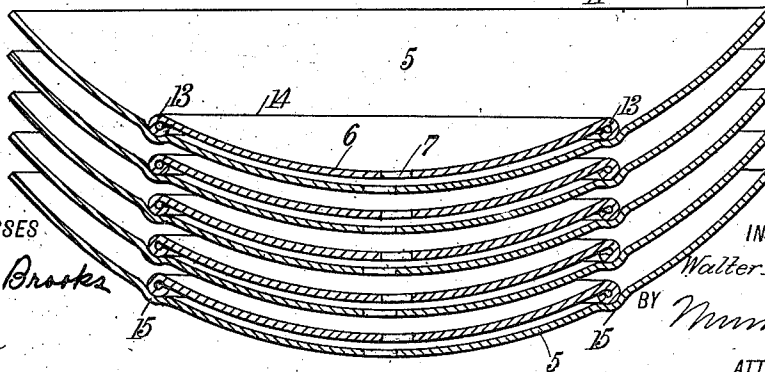


Fig. 4.



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WALTER H. TAYLOR, OF PORT ARTHUR, ONTARIO, CANADA.

UMBRELLA.

Patented July 1, 1913.

1,066,061.

Specification of Letters Patent.

Application filed October 24, 1911. Serial No. 656,363.

To all whom it may concern:

Be it known that I, WALTER H. TAYLOR, a subject of the King of Great Britain, and a resident of Port Arthur, in the Province of Ontario, Dominion of Canada, have invented a new and Improved Umbrella, of which the following is a full, clear, and exact description.

My invention relates to a new and improved form of umbrellas, and an object of my invention is to provide an umbrella for emergency use, which is designed to be of cheap construction and which is intended to be used but once.

I attain the above outlined object by constructing a hood of water-proof paper, preferably a waxed paper, and supporting this hood in open position by a bowl-shaped dome, both the hood and dome being supported by a removable staff.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a perspective view showing a preferred embodiment of my invention; Fig. 2 is a vertical transverse sectional view taken centrally through the umbrella; Fig. 3 is a side elevation of the detached staff; and Fig. 4 is a nest of the umbrella tops.

Described more in detail, I have shown a staff A supporting a top B of the general umbrella construction. The top B comprises an inverted dome 5, similar in shape to the domes of umbrellas now in common use, and preferably made of a stiff water-proof paper, preferably, a waxed paper, and of black color. This dome is made in such shape, and it is to be understood, that said dome is not intended to be folded. As an additional support to the dome, there is attached to the under side thereof and concentrically mounted with reference to the center of the same, a bowl-shaped support 6, preferably made of some stiff supporting paper or cardboard. The bottom of the dome has an aperture 7 therein and centrally of the dome 5, is a key slot 8.

Adapted to support the top B, is a staff A, comprising a rod 9, the upper end of which is reduced to form a shoulder 10 and an extension 11, from one side of which extension and at right angles to the same, extends a pair of lugs 12. It is to be understood that the staff is inserted through the

aperture 7 until the support 6 rests on the shoulder 10, and the extension 11 is passed through the key slot 8 and is given a partial rotation until the lug 12 bears on opposite sides of the top of the dome, the distance between the shoulder 10 and the space between the lugs 12, being slightly less than the normal distance between the key slot 8 and the aperture 7, so that the dome 5 and support 6 are placed under tension, thereby rigidly maintaining the dome 5 firmly in position on the staff.

It is to be understood that my improved umbrella is merely for temporary protection and may be thrown away after having been used once.

In order to facilitate the storage and transportation of the umbrella tops, the support 6 may be laid flat against the dome 5 and a series of the tops may be telescoped one within the other, as shown more particularly in Fig. 4.

If desired, the dome and support may be of separate pieces, and a groove 15 in the under side of the dome may receive the overlapped edge 13 forming the upper edge 14 of the support 6.

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

1. An umbrella, comprising an inverted dome having a key slot within its upper portion, a dish-shaped support concentrically disposed with reference to said key slot and supporting said dome at points removed from said slot, and a staff extending through said support and through said slot, said staff having a shoulder carrying said support, said staff also having a lug thereon adapted to bear on top of said dome, the distance between said shoulder and said lug being less than the normal distance between said dome and said support, thereby placing said dome and said support under tension.

2. A ribless umbrella, comprising a rigid dome, a bowl-shaped rigid member supporting said dome and removably attached thereto, and a staff extending through and supporting said dome and support.

3. An umbrella top, comprising a permanently shaped dome, and a permanently shaped bowl-shaped support flexibly fastened to said dome.

4. In an uncollapsible umbrella, a rigid dome having a groove in the under side

thereof, a rigid dish-shaped support having its edge disposed in said groove, and means placing said dome and support under tension relative to each other, to maintain said edge in said groove.

5 5. A ribless umbrella comprising a dome-shaped top composed of a stiff, solid waterproof material having a permanent set, and means for securing a stick thereto, whereby
10 an inexpensive umbrella top for emergency use and which may be compactly stored is provided.

6. In a ribless umbrella, a top concavo-convex in cross section composed of stiff
15 waterproof material having a permanent set, a stick and means for detachably securing together the stick and the top, whereby is provided an umbrella that may be compactly stored.

20 7. A ribless umbrella composed of a stiff top formed out of some such material as cardboard; and a stick detachable from said top; and a concavo-convex brace for said top, said brace having a hole at the
25 center thereof, and edges of said brace in contact with the plane of said top at points

removed from the center thereof, and the central portions of said brace out of contact with the central portions of said top; said stick passing through the hole in said brace and articulating with said top. 30

8. A ribless umbrella composed of a stiff top, said top concavo-convex and formed out of some such material as cardboard; and a stick detachable from said top; and a
35 brace for said top likewise composed of some stiff sheet material such as cardboard, said brace having a hole in the center thereof, and edges of said brace in contact with the plane of said top at points removed
40 from the center thereof, and the central portions of said brace out of contact with the central portions of said top; said stick passing through the hole in said brace and articulating with said top. 45

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER H. TAYLOR.

Witnesses:

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