

(No Model.)

J. H. DAVIES.
UMBRELLA OR PARASOL.

No. 341,734.

Patented May 11, 1886.

FIG. 1.

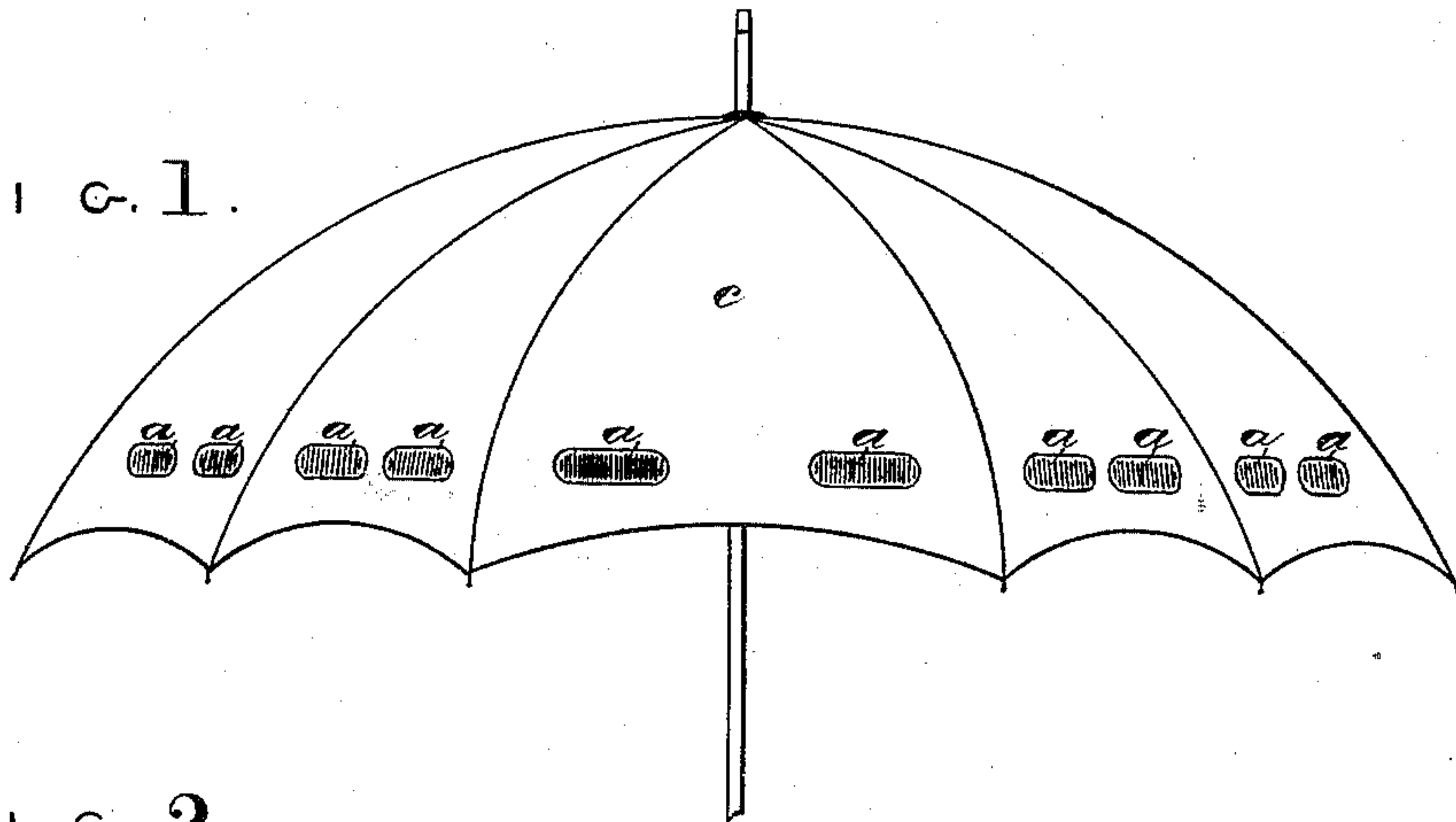
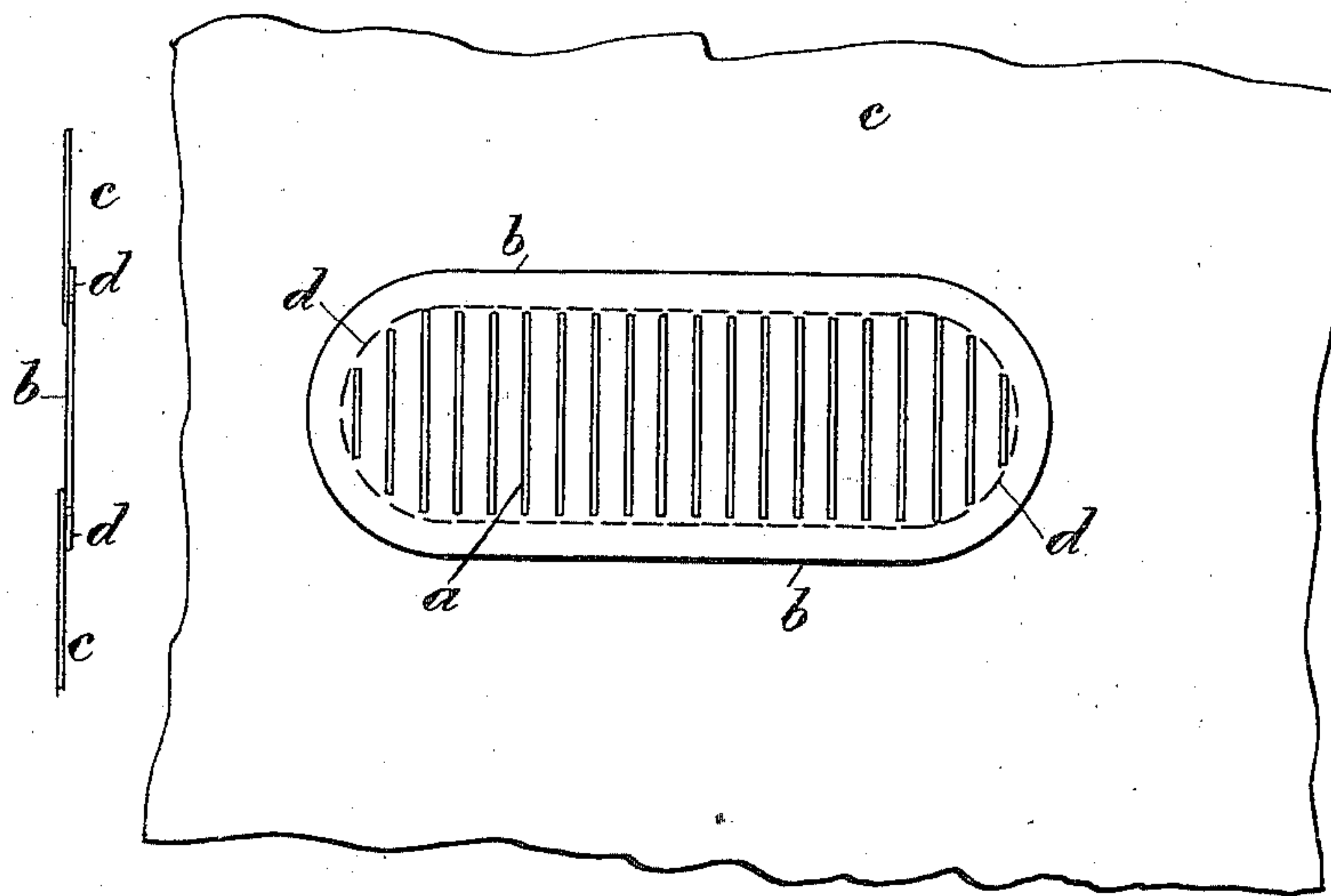


FIG. 2.



Witnesses,

George Shaw
Richard Bennett

Inventor,

Joseph Hamblet Davies

UNITED STATES PATENT OFFICE.

JOSEPH HAMBLET DAVIES, OF WEST BROMWICH, COUNTY OF STAFFORD,
ENGLAND.

UMBRELLA OR PARASOL.

SPECIFICATION forming part of Letters Patent No. 341,734, dated May 11, 1886.

Application filed September 21, 1885. Serial No. 177,708. (No model.) Patented in England September 30, 1884, No. 12,992; in France June 18, 1885, No. 169,619, and in Belgium July 17, 1885, No. 69,623.

To all whom it may concern:

Be it known that I, JOSEPH HAMBLET DAVIES, of Lombard Street, West Bromwich, in the county of Stafford, England, manager of brick-works, a subject of the Queen of Great Britain, have invented an Improvement in Umbrellas or Parasols, (for which I have obtained patents in Great Britain No. 12,992, dated September 30, 1884; France, No. 169,619, dated June 18, 1885, and Belgium, No. 69,623, dated July 17, 1885,) of which the following is a specification.

My invention relates to an umbrella or parasol having one or a series of sight-holes for the purpose of enabling the user of the open umbrella or parasol to see through the said sight hole or holes the path or objects in front of him, thereby obviating the necessity for raising the umbrella or parasol above the line of sight or turning the umbrella or parasol aside, as is required in umbrellas and parasols of the ordinary construction. The required sight hole or holes is or are either cut in the covering material or left by the weaving process at the required place or places in the covering, and the hole or holes is or are afterward filled with or covered by a thin plate of steel or other flexible metal or alloy having in it a series of straight and parallel slits or perforations, the said slits or perforations when the plate is applied to the covering material being situated parallel to the ribs of the umbrella or parasol so as to present to the eye when the umbrella or parasol is open for use a series of vertical parallel slits or perforations through which objects in the path of the umbrella or parasol can be seen. I fix these perforated plates or compound sight-holes to the edges of the openings cut or made in the covering material of the umbrella or parasol by means of sewing, the marginal part of the perforated plate being provided with small holes or with perforated ears, through which the sewing-thread can be

passed. These perforated plates or compound sight-holes are coated or covered with varnish or are otherwise protected from corrosion.

Figure 1 of the accompanying drawings represents an umbrella provided with sight-holes according to my invention, and Fig. 2 represents one of the said sight-holes drawn on an enlarged scale.

In the drawings, *a a* are the thin plates of steel or other flexible metal or alloy having in them straight and parallel slits or perforations, the said perforated plates being fixed to the edges or openings at *b*, made in the covering material *c* of the umbrella by sewing the marginal parts at *d* of the said plates to the edges of the openings, as represented. I prefer to make two sight-holes between each pair of adjacent ribs or between the ribs of alternating pairs and preferably at a short distance above the lower edge of the covering. I do not limit myself to the size, shape, or number or position of the sight-holes.

When the umbrella or parasol is closed and coiled up after use, the thin perforated plates constituting compound sight-holes coil or fold with the covering material without materially increasing the bulk of the umbrella or parasol.

My invention may be readily applied to umbrellas and parasols now in use.

I am aware that it has heretofore been proposed to provide umbrellas and parasols with sight-holes covered with transparent materials, but this I do not claim.

What I claim as my invention is—

An umbrella or parasol having sight-holes covered by thin metallic plates provided with slots or perforations, substantially as described.

JOSEPH HAMBLET DAVIES. [L. s.]

Witnesses:

GEORGE SHAW,
RICHARD SKERRETT.