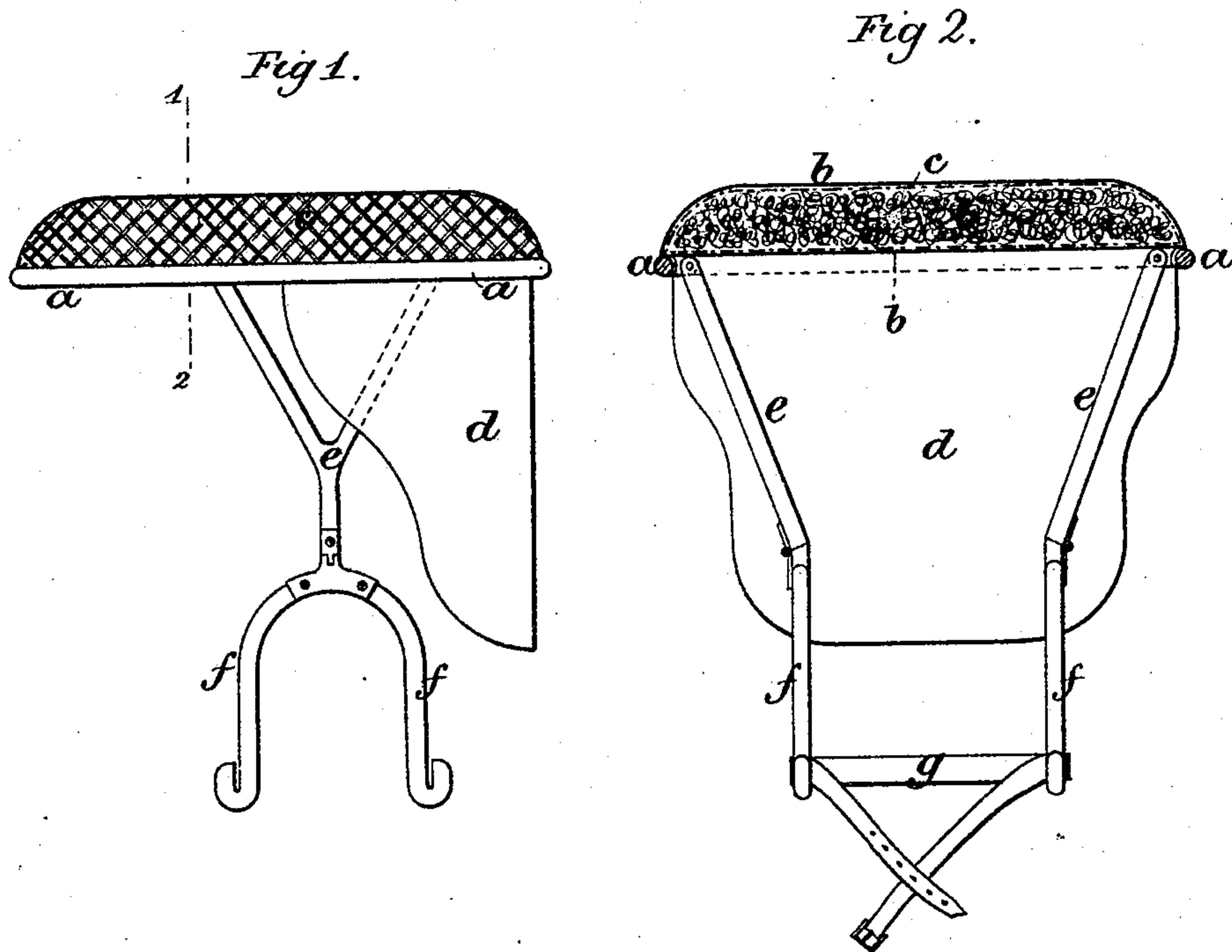


(No Model.)

E. DEAN.
SUNSHADE.

No. 397,172.

Patented Feb. 5, 1889.



Witnesses
Edwin A. Finckel.
Wm R. Mackrille.

Inventor.
Elizabeth Dean.
by Wm H. Finckel
Atty.

UNITED STATES PATENT OFFICE.

ELIZABETH DEAN, OF HASTINGS, COUNTY OF SUSSEX, ENGLAND.

SUNSHADE.

SPECIFICATION forming part of Letters Patent No. 397,172, dated February 5, 1889.

Application filed August 21, 1888. Serial No. 283,304. (No model.)

To all whom it may concern:

Be it known that I, ELIZABETH DEAN, widow, a subject of Her Majesty, the Queen of Great Britain and Ireland, residing at 3 Grove Road, Hastings, in the county of Sussex, England, have invented new and useful improvements in shades or covers for affording protection from sun and rain and means for attaching same to the person, of which the following is a specification.

This invention relates to improvements in shades or covers more especially intended for use in tropical climates for affording protection from sunstroke and also rain, its chief object being to provide a sunshade which will effectually protect the person and at the same time leave the hands of the wearer free for action.

According to my invention I employ a light frame of any suitable shape, size, and material, preferably constructed of bamboo or cane, which supports a cover of silk, linen, or other suitable material, a dependent screen or puggaree being provided at the back, if desired. To this frame are hinged or otherwise connected light rods or supports which rest upon the shoulders of the wearer and are suitably attached to the person by straps, the sunshade being thus supported above the head without requiring the assistance of the wearer's hands, which are left perfectly free. When not in use, the supporting-rods may, if hinged to the framing, be, together with their straps, compactly folded back upon the shade or cover and the article readily carried, and, if desired, the frame-work of the cover may also be constructed after the fashion of an umbrella, so as to admit of its being, together with the cover, packed or folded into a smaller compass, suitable means being provided for keeping it extended when in use.

Figure 1 is a side elevation of my improved sunshade for protection of the person when in an upright position, the silk or other covering material for the top being removed. Fig. 2 is a front view in section taken along the line 1 2 in Fig. 1, but showing the frame stuffed. Fig. 3 shows the sunshade complete attached to the person.

Similar letters indicate corresponding parts in all the figures.

a is the frame-work, preferably constructed of bamboo or cane, which supports the cover *b*, composed of silk, linen, or other suitable material. I prefer in practice to make this cover *b* hollow, by stretching it across the top and under the bottom of the light arched network *c*, suitably secured to the framing *a*, as shown in Fig. 2, the hollow space thus formed being filled with cocoon silk or other suitable light material, *b'*, thereby affording greater protection from the sun's rays; but if desired the cover may be simply stretched across the framing *a*.

d is a screen or puggaree, which may be attached to the back of the framing *a* for protecting the wearer's spine.

e e are light supporting-rods, here shown as hinged to the framing *a*, the lower extremities of which are also hinged and forked, so as to form shoulder-pieces *f*, the ends of which are conveniently shaped to receive the attaching-strap *g*, which passes around the breast of the wearer and secures the sunshade in position independently of his hands, as shown in Fig. 3, the under part of the cover *b* being preferably a few inches above his head, so as to permit a free circulation of air. When the sunshade is not in use, the hinged supporting-rods *e* and shoulder-pieces *f* may be folded back upon the frame *a*, thus rendering the sunshade more compact for carrying. If desired, the supporting-rods *e* and shoulder-pieces *f* may be made in one piece in lieu of being hinged; but I prefer to employ hinges for convenience of transportation.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. A sunshade supported above the wearer's head by means of supporting-rods attached to the framing thereof, such supporting-rods being forked at their lower ends, so as to fit over the shoulders of the wearer, and securely held in position by a suitable strap passing around the body, substantially as and for the purpose specified.

2. The combination, with the frame *a*, sup-

porting a cover of suitable material, *b*, of the
folding supporting-rods *e*, shoulder-pieces *f*,
and attaching-strap *g*, constructed and ar-
ranged substantially as and for the purpose
5 specified.

3. The combination, with the frame *a*, net-
work *c*, attached thereto, and means—such as
a strap—to secure the same to the person, of
the cover *b*, stretched over and under such
10 net-work, and filling *b'*, whereby the pene-

tration of heat is more effectually prevented,
substantially as specified.

In witness whereof I have signed my name
in the presence of two subscribing witnesses.
ELIZABETH DEAN.

Witnesses:

A. E. ALEXANDER,
19 *Southampton Buildings, London, W. C.*
WALTER J. SKERTEN,
17 *Gracechurch Street, London, E. C.*