

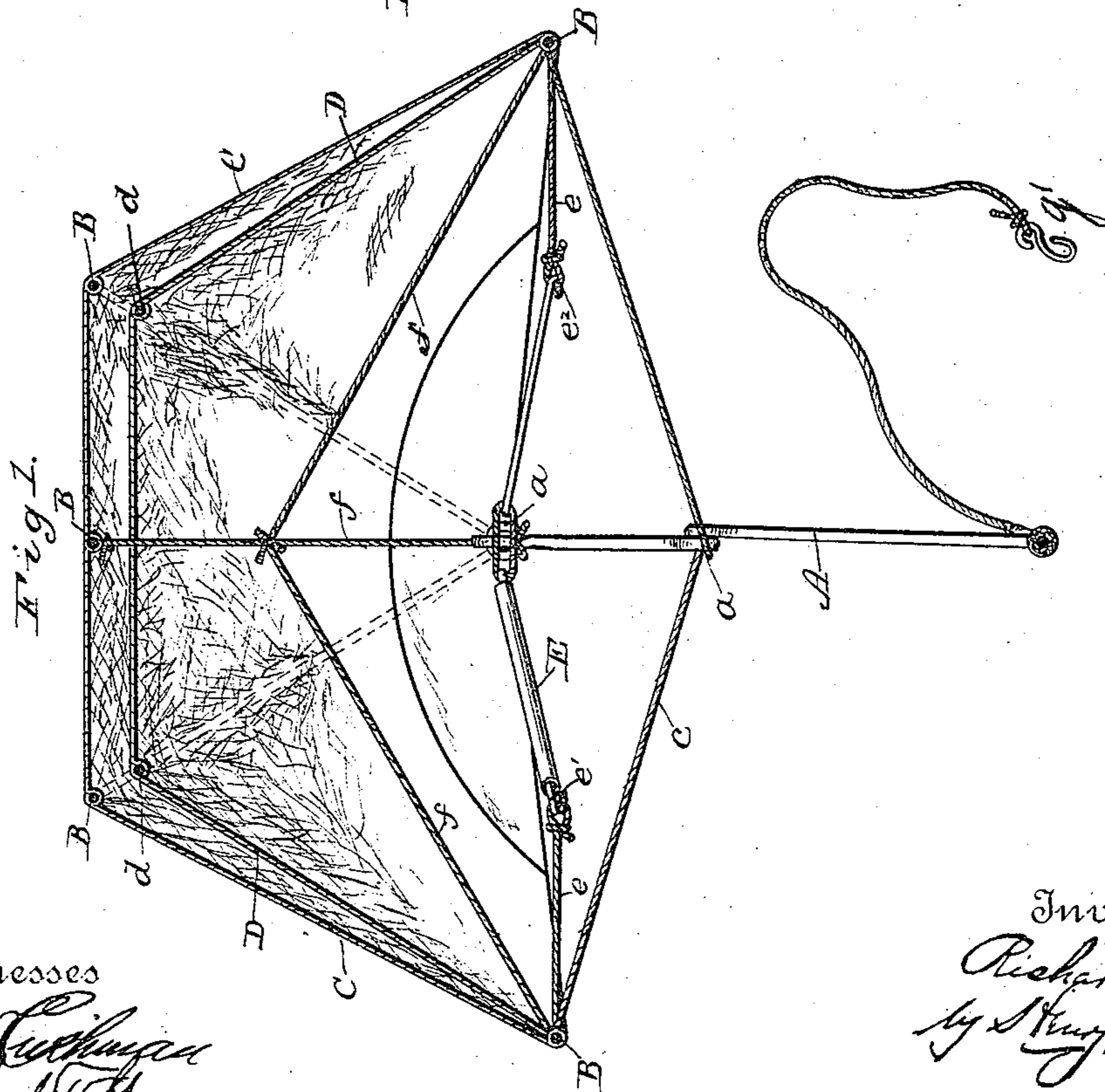
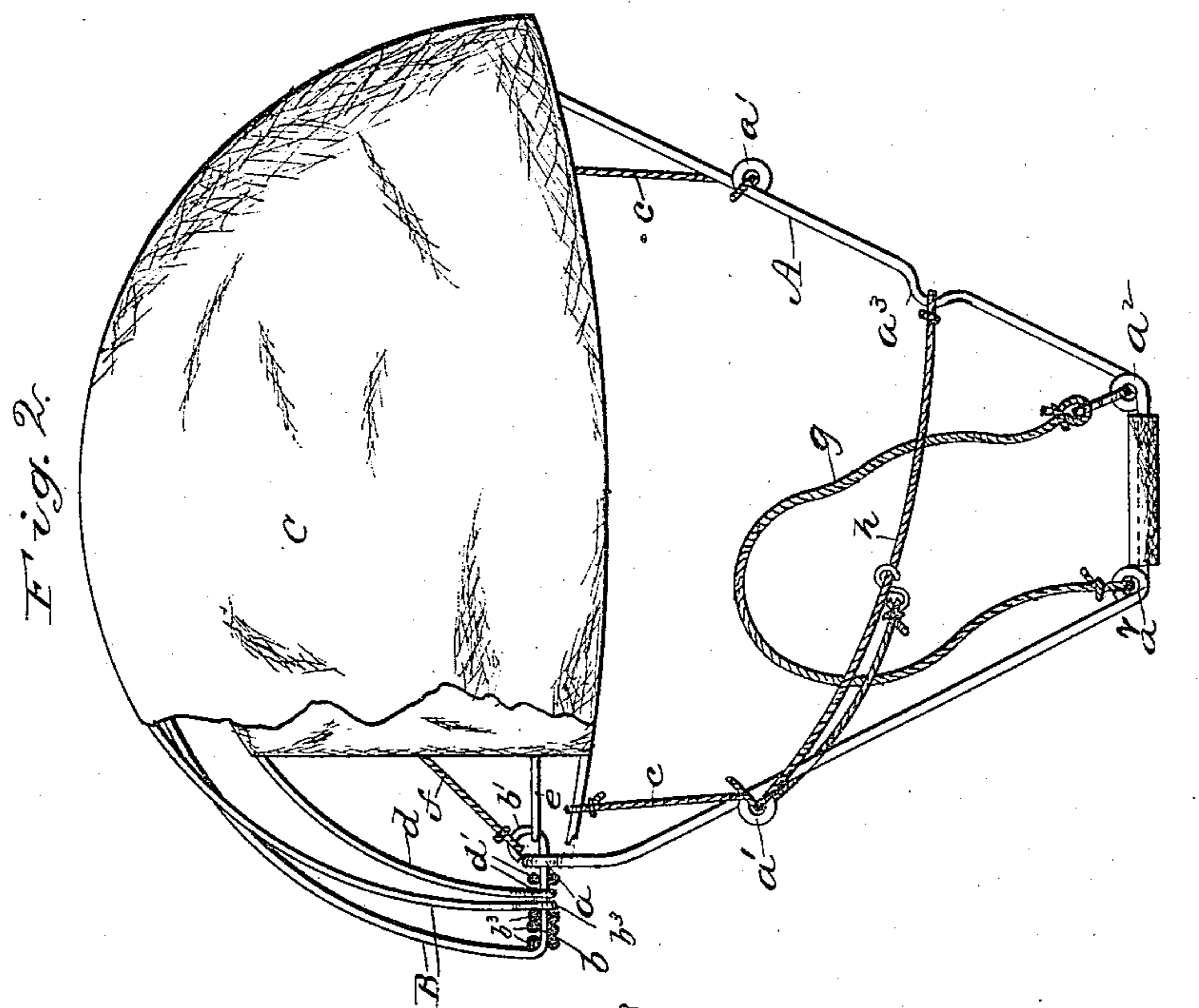
(No Model.)

2 Sheets—Sheet 1.

R. RAY.
FOLDING HEADSHADE OR HAT.

No. 441,380.

Patented Nov. 25, 1890.



Witnesses

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by Henry C. Lee
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2 Sheets—Sheet 2.

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Fig. 4.

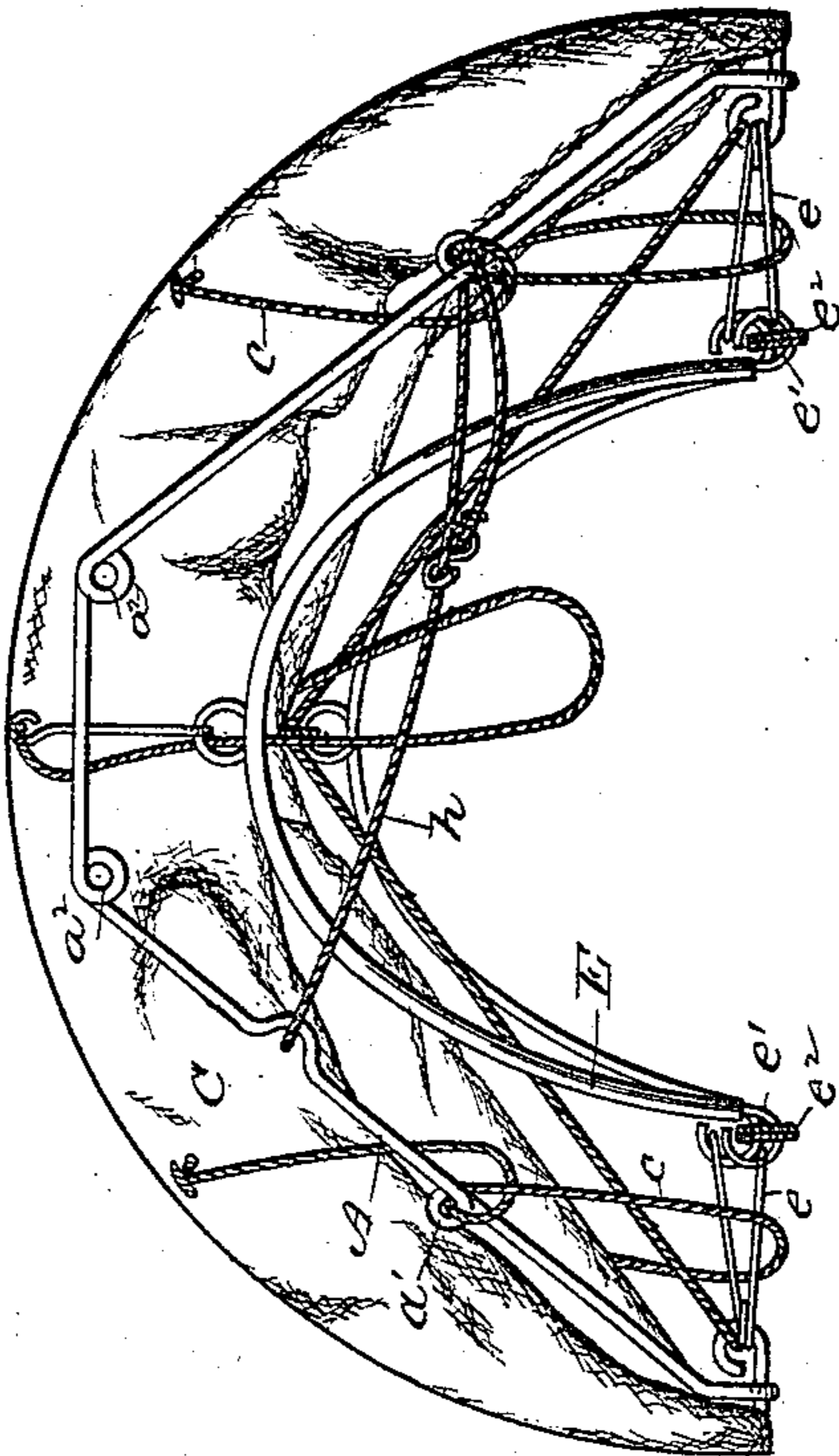
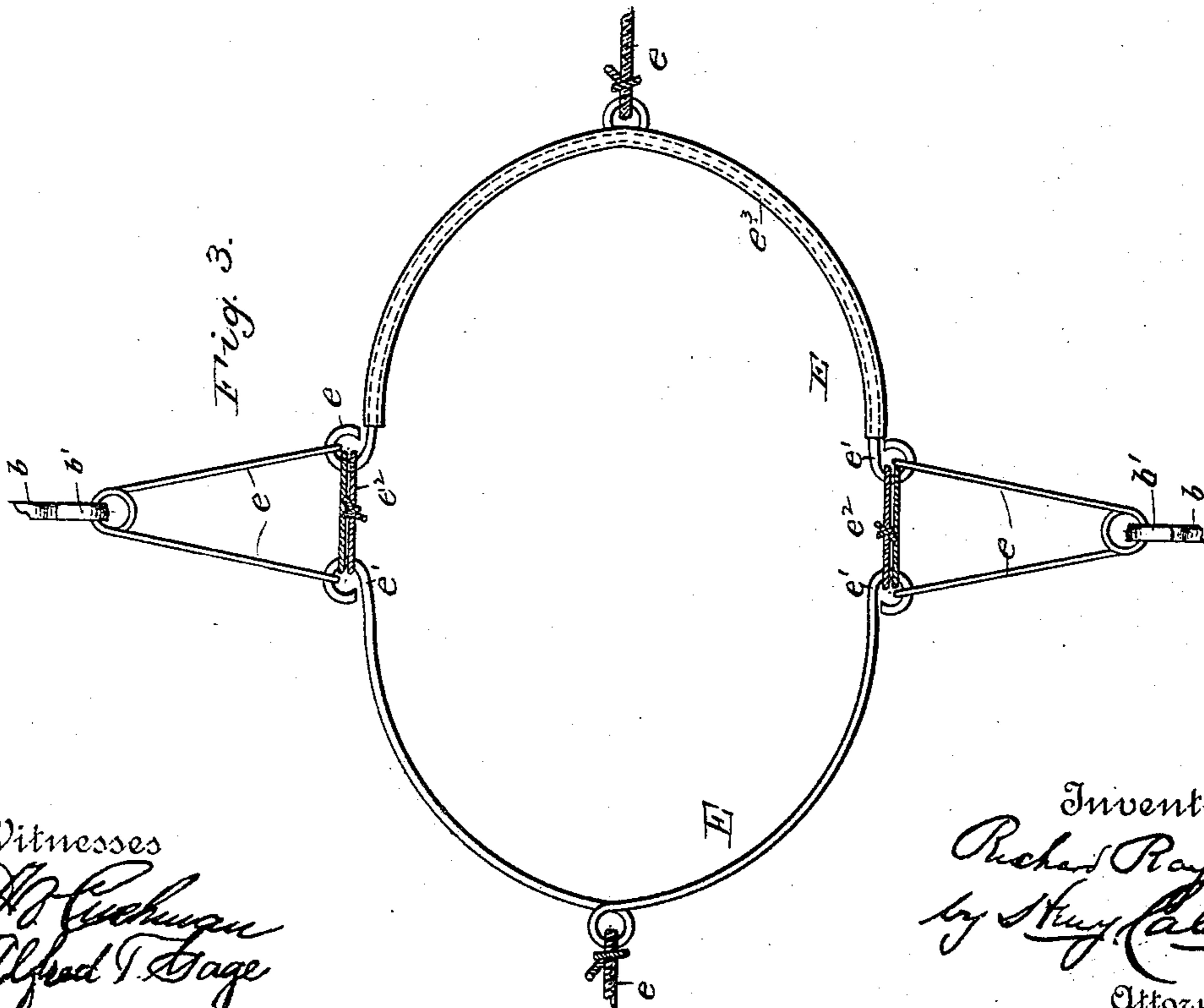


Fig. 3.



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UNITED STATES PATENT OFFICE.

RICHARD RAY, OF GRIFFIN, GEORGIA.

FOLDING HEADSHADE OR HAT.

SPECIFICATION forming part of Letters Patent No. 441,380, dated November 25, 1890.

Application filed April 7, 1890. Serial No. 346,942. (No model.)

To all whom it may concern:

Be it known that I, RICHARD RAY, a citizen of the United States, residing at Griffin, in the county of Spaulding and State of Georgia, have invented certain new and useful Improvements in Folding Sunshades, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to folding sunshades intended to be worn on the person, and more especially adapted for the use of laborers and others who are exposed to the scorching summer sun; and my said invention comprises certain improvements on sunshades of the class referred to for which Letters Patent of the United States, Nos. 229,465 and 288,115, have heretofore been granted to me.

In the drawings, Figure 1 is a sectional side view of my improved sunshade. Fig. 2 is an end view of the same, partly in section. Fig. 3 illustrates the adjustable head-band, and Fig. 4 represents my sunshade when folded.

A denotes a wire frame or bail provided with coils or eyes a and a' , and also preferably with eyes a^2 . The canopy-support of my improved sunshade consists of a series of semicircular or bowed wire ribs B, preferably four or five in number, the central one of which ribs has inwardly-turned ends b , having eyes b' at their extremities, said ends b forming pivots for the other ribs, which have at their ends eyes b^3 , encircling the said ends b . The eyes a of the frame A also encircle said inwardly-turned ends b , and all of said eyes are retained on said ends by the eyes b' .

C is the canopy-covering, consisting of white or brown linen or other suitable fabric, attached by sewing or otherwise to the ribs B. If it be desired to provide the sunshade with a safety-lining D to form an air-space below the covering C, I provide supplemental ribs d , having eyes d' encircling the ends b , and to which ribs said lining D is attached. The lining D does not extend quite to the sides of the sunshade, thus leaving open spaces at the sides for the free circulation of air.

E denotes an adjustable band, which will preferably be of cord or wire, and which is to loosely encircle the head of the wearer merely to steady the sunshade horizontally or forward and back when the wearer stoops, the

said band E being suspended from the eyes b' and the outer or lower ribs B by cords or wires e . This head-band is made adjustable to suit different-sized heads preferably by being formed in two parts, each having eyes e' at their adjacent ends, said eyes being connected by cord-loops or other flexible connections e^2 , which may be made longer or shorter to vary the size of the said head-band, and the latter when made of wire may be partly or wholly covered with sweat-leather e^3 to prevent rust and make said band more comfortable to the wearer.

The canopy, consisting of the ribs B and cloth covering C, is stretched and retained in any position to which it may be adjusted relative to the frame A by means of stay-cords c , attached to the lower ribs B in any suitable manner, and passing once or twice around the wire frame A at the eyes a' , so as to have a proper frictional hold on said frame A. Attached to the eyes b' on the inwardly-turned ends b and to the end ribs B are crossing cords or tapes f , which rest on the top of the wearer's head and serve to loosely support the sunshade thereon, the head-band E merely passing loosely around the wearer's head to prevent horizontal displacement of the sunshade, as above stated.

As a supplemental support for my sunshade, particularly for a person whose work requires a stooping position, I attach to one of the eyes a^2 , at the bottom of the frame A, a neckband-cord g , which is passed around back of the neck of the wearer, and is provided at its free end with a hook g' , by which it may be detachably engaged with the other eye a^2 of the said frame A, the latter passing beneath the wearer's chin, but not in contact therewith. This neckband-cord may be used either with or without the head cords or tapes f as a support for the sunshade, and the said head cords or tapes f may be used either with or without the said neckband-cord, both of these supporting devices being useful under some circumstances, and either one of them being sufficient under other circumstances.

As an additional security in fastening my sunshade on, I prefer to provide it with an adjustable stay cord or band h , to be drawn more or less tightly beneath the wearer's chin. One end of this cord or band h is

looped through one of the eyes a' of the frame A and the other is looped around the opposite limb of said frame and is pushed into a notch formed by a bend a^3 , the looped end of
 5 said cord or band which is looped through the eye a' being provided with a friction-slide h , (herein shown as an 8-shaped link,) which may be moved back and forth on the said cord or band, to loosen or tighten the
 10 same.

From the foregoing it will be apparent that I provide a light and convenient sunshade for personal wear which may be readily attached to or removed from the person, and
 15 which may be manufactured so cheaply as to be within the reach of persons of moderate means. Should a person wearing the sunshade be subjected to a lower temperature by being out at nightfall or during a shower,
 20 he can protect his head by a light rimless cloth cap, which may be carried in his pocket or in a pocket formed in the lining of the sunshade.

When the sunshade is not in use it can be
 25 folded up, as shown in Fig. 4, simply by bringing the frame A to the plane of one of the horizontal or lower ribs B, when the whole structure will instantly collapse.

I claim—

30 1. In a folding sunshade for personal wear, the combination, with the wire frame A, having the eyes a , of the bowed ribs B, one of which is provided with the inwardly-turned ends b and the others of which have the eyes
 35 b^2 , encircling the said ends b .

2. In a folding sunshade for personal wear, the combination, with the wire frame A, having the eyes a , of the bowed ribs B, one of which is provided with the inwardly-turned
 40 ends b and the others of which have eyes b^2 encircling said ends b , and bowed lining-supporting ribs d , having eyes d' , also encircling the said ends b .

3. In a folding sunshade for personal wear,

the combination, with the rigid frame or bail A of suitable length to extend below the chin
 45 of the wearer, of the ribs B, the canopy-covering C, the adjustable head-band E to loosely encircle the head of the wearer, and the crossing
 50 cords or tapes f to rest on the head of the wearer and thus support the weight of the sunshade.

4. In a folding sunshade for personal wear, the combination, with the frame or bail A, of
 55 suitable length to extend beneath the chin of the wearer, the ribs B, and the canopy-covering C, of the adjustable head-band to loosely encircle the head of the wearer, the crossing
 60 cords or tapes f to rest on the wearer's head and support the weight of the sunshade, and the stay-cord h , attached to the said frame A, and adapted to be drawn beneath the wear-
 65 er's chin.

5. In a folding sunshade for personal wear, the adjustable head-band E to loosely encircle
 65 the head of the wearer and connected to the frame of the sunshade, combined with the neckband or cord g , permanently attached at one end to an eye a^2 in frame A, and having
 70 at its opposite end a hook for detachable connection to said frame, and the crossing head cords or tapes f to rest on the head of the
 75 wearer.

6. In a sunshade for personal wear, the adjustable wire band E, formed in two parts and
 75 having eyes e' at the adjacent ends of said parts and the flexible connections or cord-loops e^2 to adjustably connect the said eyes, combined with the frame A, the ribs B, and
 80 the canopy-covering C, attached to the said ribs.

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD RAY.

Witnesses:

EWELL A. DICK,
 HENRY CALVER.