

H. HALVORSON.
Sun-Helmets.

No. 213,415.

Patented Mar. 18, 1879.

Fig. 1.



Fig. 3.

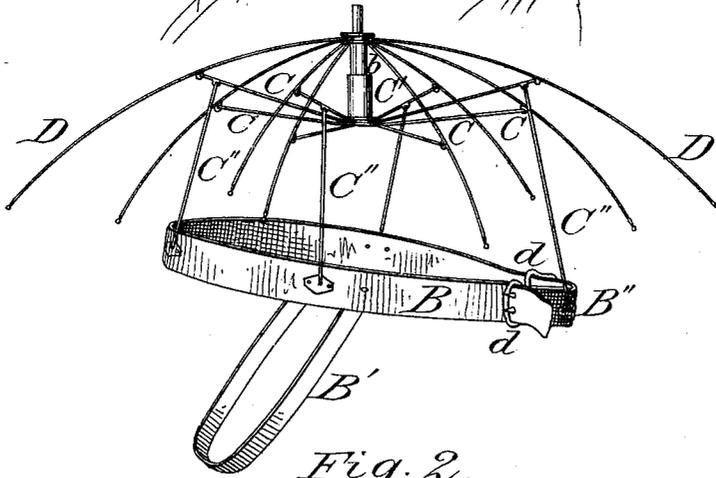
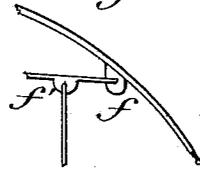


Fig. 2.

Attest;

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HALVOR HALVORSON, OF NASHUA, NEW HAMPSHIRE, ASSIGNOR TO WILLIAM EARL, OF SAME PLACE, AND BENJAMIN A. EARL, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SUN-HELMETS.

Specification forming part of Letters Patent No. 213,415, dated March 18, 1879; application filed November 1, 1878.

To all whom it may concern:

Be it known that I, HALVOR HALVORSON, of Nashua, county of Hillsborough, and State of New Hampshire, have invented a new and useful Improvement in Head-Protectors or Sun-Helmets, of which the following is a full description, such as to enable any person skilled in the art to make, construct, and use the same, due reference being made to the drawings accompanying and forming a part of this specification.

My invention relates to that class of head protectors or coverings in which the shield is suspended above the head, allowing free access of air upon all sides; and it consists in a certain novel construction and combination of parts, which will first be described, and then particularly pointed out in the claims.

Figure 1 in the drawings is a perspective view of my invention, showing it attached to the head of the wearer, and in the position it occupies when in use. Fig. 2 is a view more in detail, showing the supporting-frame and attachment, the covering of the shield being removed to more clearly exhibit the several parts. Fig. 3 is a view of a portion of one of the ribs of the helmet, showing the mode of attaching the rods of the supporting-frame.

In the drawings, A denotes the shield or helmet, which is very similar to the form of the common parasol, it being a covering of cloth supported upon an extremely light but strong frame, D, which may be folded compactly. These rods D are supported, when extended, by stretchers C, pivoted at their outer ends to projecting lips *f*, formed upon rods D, whereby the stretcher is enabled to lie closely against the rod when folded. At their inner ends the stretchers C are pivoted to a runner, C', which slips over a short staff projecting through the top of the helmet, and having a retaining-spring to hold the runner when the shield is spread open. The stretchers C are pivoted to the rods D at or near the middle point of the latter, and said stretchers are of such a length that when the helmet is unfolded they will lie in very nearly the same horizontal plane, the object being to place the supports so high that they cannot, in any man-

ner, nor under any circumstances, interfere with the head of the wearer. To the stretchers C, at a short distance from their outer ends, are pivoted light supporting-rods C'', which extend downward, and are attached at their lower ends to a broad band or webbing-strip, B.

In the drawings I have shown four of these supporting-rods C''; but it is evident that any suitable number may be used. These rods are unequal in length, the shortest being placed at the front of the helmet and the longest at the rear, in order that when in use, as shown in Fig. 1, the shield shall be as nearly horizontal as possible. Furthermore, this construction is intended to serve an additional purpose, since by shifting the short rod toward the side of the head any desired inclination may be given to the shield, in order to afford protection from reflected light or from the rays of the sun when near the horizon.

The band B may be made of common webbing or other material, or it may be composed of a single elastic strip. I prefer, however, to use the ordinary canvas webbing and insert a short section of elastic ribbon, B'', at that part of the band which lies against the back of the head. To each end of this inserted elastic strip I attach a buckle, *d*, which connects said strip with the webbing band, and enables the wearer to fit the band to the head, whatever the required size may be. To afford perfect security under exceptional circumstances, a chin-strap, B', may be added. It would seldom be necessary, however, to use this, as the band B gives firm support to the helmet, and securely attaches it to the head.

When not in use the helmet may be folded by removing it from the head, pressing the spring on the staff *b*, which holds the runner C', and slipping the latter entirely off the staff, when all the parts composing the frame, together with its supports, will fold, side by side, like a parasol. The shield may then be reduced to an exceedingly small compass and conveniently carried in the pocket. To travelers, especially in tropical countries, as well as tourists, sportsmen, and others whose avocations lead them to incur long exposure to

the sun, this device is especially valuable, since it not only gives complete shade to the whole head, affording a peculiar protection to the eyes, but by its use constant, complete, and thorough ventilation is afforded to every part of the head, while its strength and lightness, and the very small space it occupies when folded, and the ease with which it can be adjusted or removed, render it invaluable.

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

1. A sun-helmet consisting of a folding shield attached to and supported by a webbing strip passing around the head, and rendered adjustable in length, as and for the purpose set forth.

2. In combination with the rods D, the stretchers C, runner C', short staff b, rods C'', and band B, all as and for the purpose set forth.

3. In a sun-helmet, the frame-rods D, having lips f, to which are pivoted the stretchers C, as set forth.

4. In combination with the shield A, the rods C'' and the band B, having elastic section B'' and buckles d d, as and for the purposes described.

5. A sun-helmet consisting of a shield held wholly out of contact with the head by means of suitable supporting-rods attached to a band, adjustable in length, and adapted to encircle the upper portion of the head, as described.

6. As a new article of manufacture, a sun-shade consisting of the shield A, stretchers C, rods C'', band B, having elastic section B'', and buckles d d, and provided with a chin-strap, B', all as set forth.

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

HALVOR HALVORSON.

Witnesses:

W. W. BAILEY,

EDWARD S. CUTTER.