(No Model.)

H. B. GRAY.

Umbrella and Sun Shade.

No. 237,518. Patented Feb. 8, 1881.

Fig. 1.

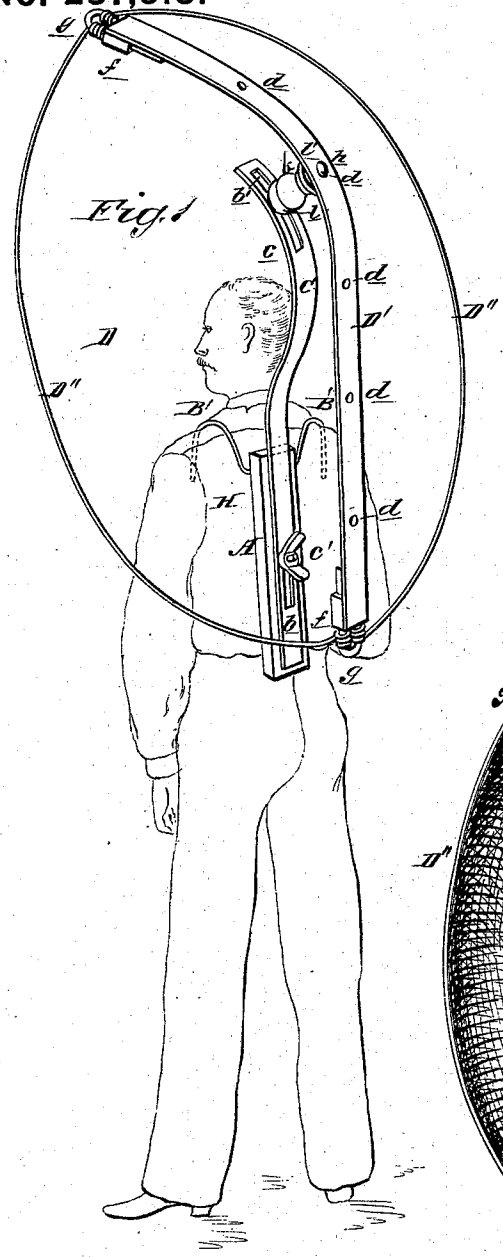


Fig. 3.

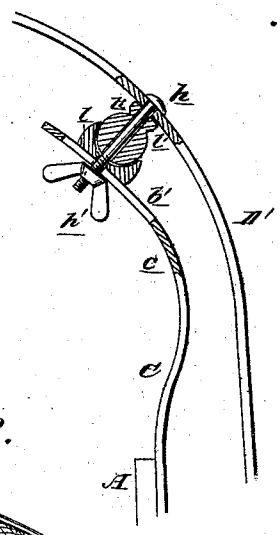
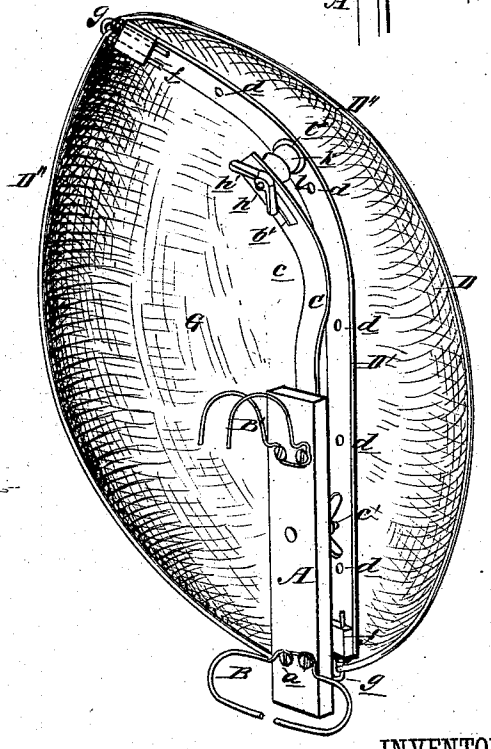


Fig. 2.



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HIRAM B. GRAY, OF COLUMBUS, TEXAS.

UMBRELLA AND SUNSHADE.

SPECIFICATION forming part of Letters Patent No. 237,518, dated February 8, 1881.

Application filed September 10, 1880. (No model.)

To all whom it may concern:

Be it known that I, HIRAM B. GRAY, of Columbus, in the county of Colorado and State of Texas, have invented a new and Improved Sun and Rain Protector, of which the following is a specification.

The object of this invention is to provide a device to be secured upon the person as a protection against sun and rain, and designed especially for the comfort and protection of all persons exposed thereto.

Figure 1 is a perspective view, showing the device devoid of its covering in place upon a person. Fig. 2 is a perspective view of the device. Fig. 3 is an enlarged, partly sectional, side elevation of a portion of the device.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a short vertical plate, to the inner face of which, near the bottom thereof, is laterally attached, by screws *a* or other suitable device, a stout wire rod, B, whose extended ends are bent inward in easy curves to fit about the waist of the wearer. Above this rod B and near the top of the plate A, a rod, B′, is attached in the same manner, and has its upward-extending arms curved downward to fit over and upon the shoulders of the wearer. The ends of said rod B′ may be provided with pads to prevent their hurting the wearer.

A metal standard, C, longitudinally slotted at each end, as shown at *b b′*, respectively, and and having its upper end curved to clear the head of the wearer, as shown at *c*, is adjustably secured to the plate A by a thumb-screw and nut, *c′*, that passes through the slot *b* into said plate A.

The frame D consists of a narrow flat strip, of metal, D′, having adjusting-holes *d d*, curved inward at about its center, and provided with sockets *f f* on its inner face, at its ends. Into each of these sockets is inserted a staple, *g*, that extends a short distance beyond the end of the strip D′. A stout wire or wires, D″, bent in the shape of an oval or an ellipse, is firmly secured in these staples *g g*, thereby forming, in combination with the strip D′, a curved frame somewhat of the shape of an egg divided longitudinally. This frame D is adjustably secured to the standard C by a screw-bolt, *h*, that passes through one of the holes *d* and the slot *b′* of said standard C, and has on its screw end a thumb-nut, *h′*.

The frame D is held at a suitable distance from the standard C, and permitted a certain freedom of movement by a ball, *k*, between the sockets *l l′*, that are fitted upon the bolt *h*, between said standard C and strip D′. The frame D may be elevated or lowered and tipped forward or backward by adjusting the bolt *h* in other of the holes *d*, and by moving the said bolt *h* in the slot *b′*.

G is the covering, of cambric or other fabric, stretched over the frame D, and secured by its edges to the wires D″, and by rivets or stitches along its center to the strip D′.

In Fig. 1 the device is shown secured in place on a man, H.

The apparatus is designed as a protection from sun and rain of all persons out of doors, whether riding, driving, walking, or working, and the person protected by it will always have the hands free. It can also be attached to a wagon, agricultural machine, &c., to protect the drivers thereof. It is a light weight, easily secured to the person, easily adjusted, and does not interfere with the work of the wearer.

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

A sun and rain protector constructed substantially as herein shown and described, consisting of plate A, provided with waist and shoulder rods B B′, curved slotted standard C, provided with screw and nut C′, covered frame D, composed of socketed strip D′, staples *g g*, wires D″, and cover G, bolt and nut *h h′*, and ball and sockets *k l l′*, as set forth.

HIRAM BALDERSTON GRAY.

Witnesses:

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