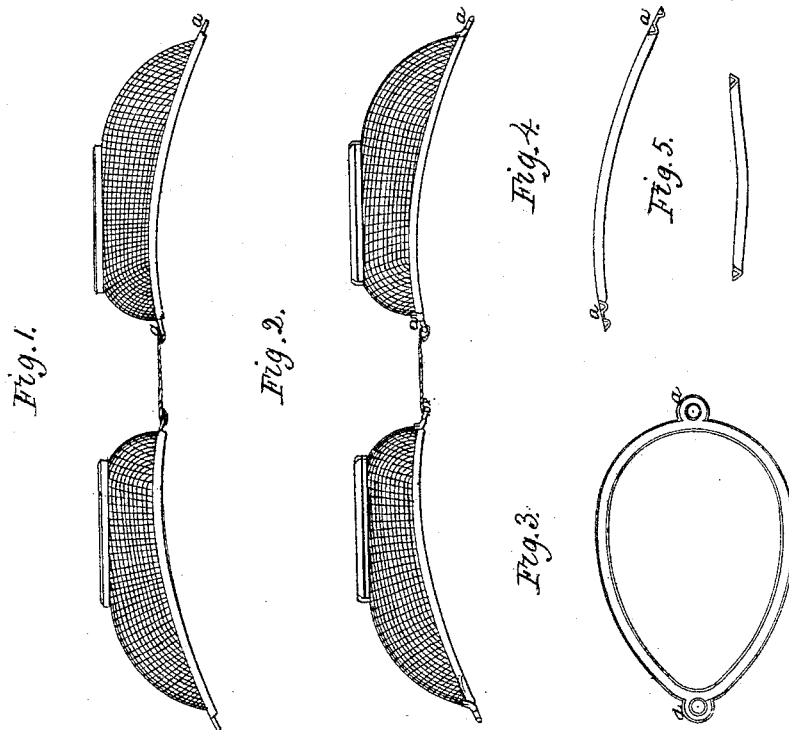


L. MORSE.
EYE PROTECTOR.

No. 45,263.

Patented Nov. 29, 1864.



UNITED STATES PATENT OFFICE.

LEWIS MORSE, OF NORTH ATTLEBOROUGH, MASSACHUSETTS.

IMPROVEMENT IN EYE PROTECTORS.

Specification forming part of Letters Patent No. 45,263, dated November 29, 1864.

To all whom it may concern:

Be it known that I, LEWIS MORSE, of North Attleborough, in the county of Bristol and State of Massachusetts, have invented an Improved Eye-Protector; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view, and Fig. 2 a longitudinal section, of it. Fig. 3 is a top view of its base-frame. Fig. 4 is a longitudinal section, and Fig. 5 a transverse section, of such base frame.

The eye-protector is an elongated concavo-convex cover, made principally of woven wire or wire-gauze. It may have a spectacle-lens or a colored elliptical piece of glass inserted in its front, or it may be without such, the object of said piece of glass or lens being to enable a person to see to better advantage through it than he could through the wire-gauze alone.

In making the improved eye-protector the edge of the wire-gauze is to be affixed in a base-frame, or is to have such a frame applied to it. For this purpose I stamp this frame out of sheet metal, and of the form shown in Figs. 3, 4, and 5, it being grooved or formed with a groove extending entirely around it. It also has two eyes, *a a*, at its opposite ends, such eyes also being struck up in the same plate of metal with the rest of the frame, and grooved about their openings.

The wire gauze cover is to have its edge inserted in the groove of the base-frame, after which the said frame is to be compressed on opposite sides of the edge of the wire-gauze, and so as to connect the two together.

The common eye-protector, as heretofore made, has had its base-frame composed of wire bent to the form of the edge of the wire-gauze and soldered thereto, the eyes also being made of wire and soldered to the frame. With my improvement the frame is of plate metal, and the eyes, with the rest of the frame, are in one piece with it and are grooved, as hereinbefore set forth.

By means of the eyes, two of the eye-protectors may be connected by strings, one to go across the bridge of the nose of a person, and the other or others to go around his head, while he may be wearing the eye-protectors for the purpose of protecting his eyes from dust, wind, or snow.

I therefore claim—

The improved manufacture of eye-protector, as made with its base-frame and eyes stamped and grooved or channeled from a single plate of metal and applied to the wire-gauze cover in manner substantially as described.

LEWIS MORSE.

Witnesses:

EDWARD A. LUTHER,
LEONARD B. HASKINS.