A NEW EYE SHIELD FOR USE IN INDUSTRY

BY

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LEEDS

MINING is one of the principal causes of industrial blindness. There is not, at present, any device which is completely satisfactory as a protection against flying pieces of coal or stone.

The factors which a miners' eye shield must embody, are:—

1. *No diminution of illumination.*
2. *Free ventilation in front of face.*
3. *In use or out of use without removal.*
4. *Strength*—a fragile apparatus would be useless to a man using a pick and shovel.
5. *Light weight.*
6. *Ease with which it can be put on and off.*

These factors are embodied in a device which has been made for me by Safety Products, Ltd., 44, Hatton Garden, London, E.C.1. It consists of a flexible fibre head-band, with a sliding adjustment at back, so that it can be made to fit any head by slight pressure at the sides.

On the front of the head-band is a metal plate to which is fitted a metal projection carrying a double ball and socket joint. At the distal end of the ball and socket joint is an oblong metal frame, carrying the protective material—laminated glass, in the case of miners' protector, and mica or gauze in the case of other trades. The shield, without the head-band, can be fitted to a miners' helmet.

The advantage of the shield being carried on a ball and socket joint, is the ease with which the protector can be placed in any required position, or turned back over the head when not required. In addition, the protector is carried well away from the face, allowing free ventilation.

The fibre head-band, with the sliding adjustment, is strong, light, and can be fitted to any head with a minimum of trouble. When fitted, it can be put on and off with the ease of putting on and off a hat. When not in use, the sliding adjustment allows of considerable reduction in size, for carrying in pocket, etc.