Dec. 10, 1929. H. F. SHINDEL 1,738,618

GOGGLE FITTING

Filed Sept. 10, 1927

Fig. 1

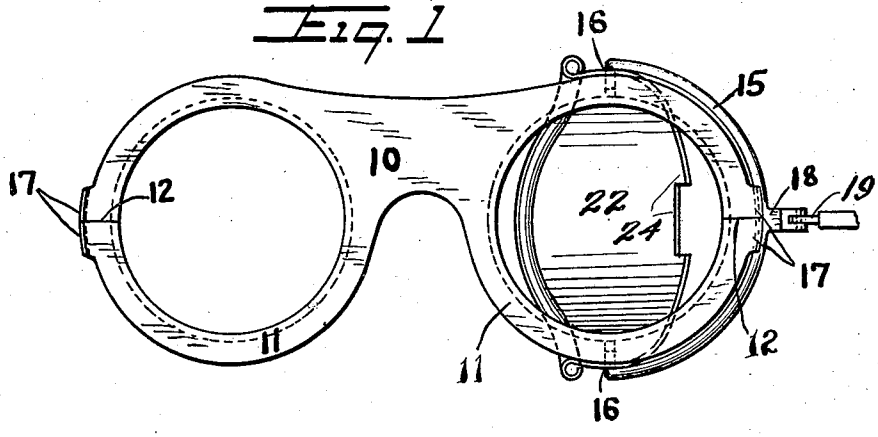


Fig. 2

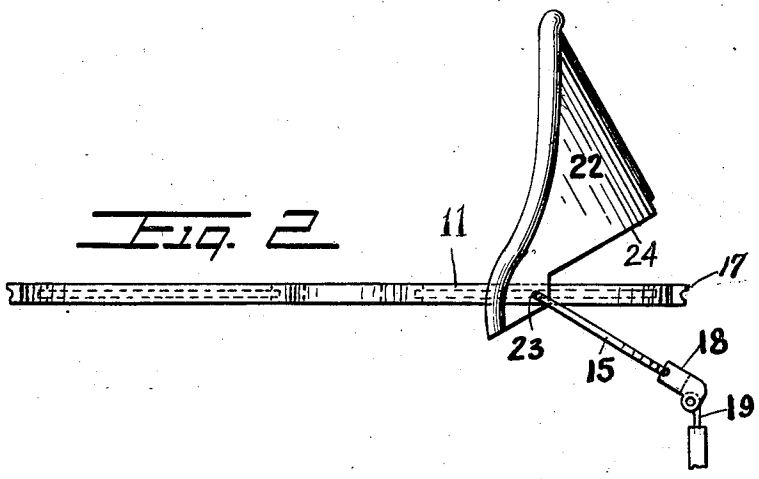
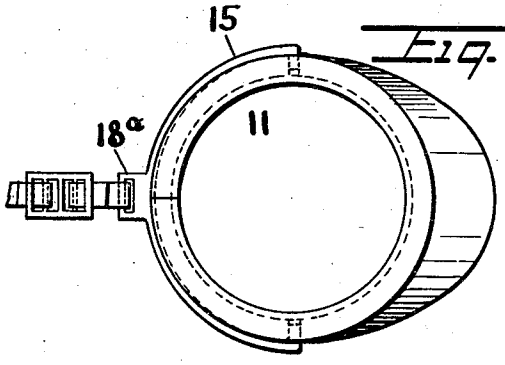


Fig. 3



Harry F. Shindel,
INVENTOR.

BY W. F. D. Millard

ATTORNEYS.

Patented Dec. 10, 1929 1,738,618

UNITED STATES PATENT OFFICE

HARRY F. SHINDEL, OF READING, PENNSYLVANIA, ASSIGNOR TO WILLSON PRODUCTS, INC., OF READING, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA

GOGGLE FITTING

Application filed September 10, 1927. Serial No. 218,668.

My invention relates particularly to goggles adapted for convenient placing and removal of the lenses, and it consists in improved lens clamping and fitting-attaching means, as fully set forth in connection with the accompanying drawings and clearly defined in the claims.

Fig. 1 is a front elevation of an integrally formed goggle frame, showing one lens clamping rim with my complete invention applied thereto; a portion only of the attached fitting being indicated, and the pivoted side shield being swung towards its folded position.

Fig. 2 is a corresponding edge view, showing the lens-clamping yoke swung to disengaging position.

Fig. 3 indicates a different type of goggle to which a main feature of my invention is applied in modified form.

Figs. 1 and 2 indicate an ordinary rigid-nose-bridge goggle frame 10; each lens-engaging rim 11 of which is split at its outer portion as indicated at 12, so as to permit easy placing or removal of the lens.

In my improved construction I employ a lens-clamping device, consisting, preferably, of wire bent to form a semi-circular yoke 15 adapted to span the split portion of the lens rim, and having inturned end portions 16, 16 which are pivotally engaged in corresponding radial apertures in the rim as shown; the midway portion of the arc being adapted to spring into engagement with slightly projecting portions 17, 17 of the split rim so as to satisfactorily hold the yoke in its lens-clamping position with the intermediate arc portions thereof spaced away from the rim; and being also formed at this midway point with fitting-attaching means 18, for a pivoted temple 19 as indicated. As shown in Fig. 2, the yoke 15 is swung outward with its attached fitting, so that the lens may be readily placed or removed; while in its normal position shown in Fig. 1 it serves to firmly secure the lens and at the same time to hold the fitting 19 in operative position. In providing eye-shields, as shown at 22, the ends 16, 16 of the clamping yoke, which serve to pivotally connect the latter to the lens rim 11, also serve as pivotal shield connections, by merely passing them through pivot apertures 23 in the ends of the correspondingly curved shield; the curved edge 24 of the shield being engaged between the lens rim and the curved yoke 15 when the shield is in operative position, and being readily folded down upon the inner frame face in the manner indicated in Fig. 2; while the fittings 19 are adapted to fold upon the outer face.

It will be seen that my complete invention as thus fully set forth, provides a very economical and satisfactory goggle construction of the type particularly indicated. In connection with goggles having separately formed lens cups, the essential feature of my invention may be applied in modified form as indicated in Fig. 3; the split portions of the lens rims being there shown as adjacently arranged, and the clamping yokes 15 being provided with fitting attaching means 18^a adapted for the securing of the flexible nose-bridge connection shown.

What I claim is:

1. In goggles having lens-clamping rims which are split at the outer portions thereof; a semi-circular clamping yoke for each rim the end portions of which are pivoted to the oppositely curved portions of the latter and the midway arc portion of which clampingly encloses the split portion thereof and is provided with a fitting-attaching projection; and a side-shield pivotally mounted with said yoke between the latter and the lens rim and having its curved edge portion engageable upon said projection between the rim and yoke.

2. Goggles having split lens-clamping rims formed with yoke-engaging projections adjacent the abutting ends; a semi-circular clamp-

ing yoke for each rim the ends of which are pivoted to the oppositely curved portions of the latter and which clampingly engages said rim projections with intermediate arc portions spaced-away from the rim; and a side shield for each rim pivotally mounted with the yoke and having edge portions thereof engageable between the rim and the spaced-away yoke.

In testimony whereof I affix my signature.

HARRY F. SHINDEL.