O. M. OTTE.

GOGGLE FRAME.

APPLICATION FILED MAR. 3, 1916.

1,206,134. Patented Nov. 28, 1916.

Fig. 1.

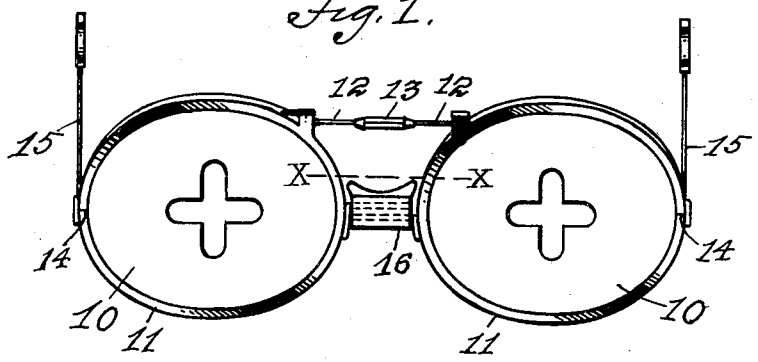


Fig. 2.

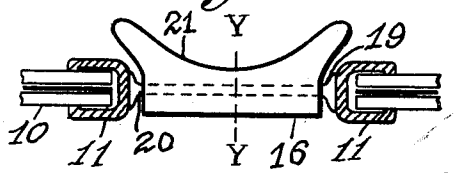


Fig. 3.

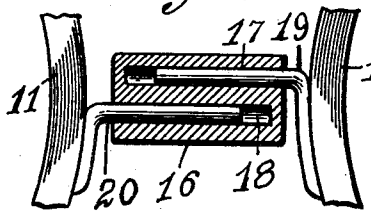


Fig. 4.

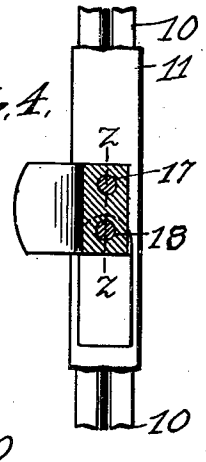
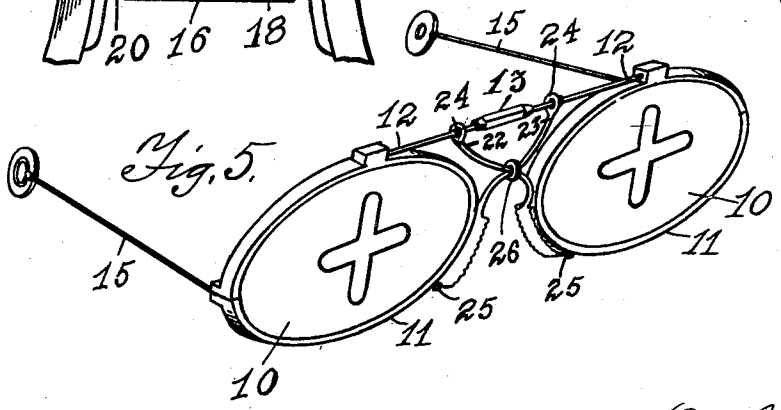


Fig. 5.



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GOGGLE-FRAME.

1,206,134. Specification of Letters Patent. Patented Nov. 28, 1916.

Application filed March 3, 1916. Serial No. 81,831.

To all whom it may concern:

Be it known that I, OTHO M. OTTE, a citizen of the United States, residing at the city of Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Goggle-Frames, of which the following, taken in connection with the accompanying drawings, is a specification.

The invention relates to frames for goggles for shielding the eyes from bright lights; and the object of the improvement is to provide a frame which may be quickly and accurately adjusted to the width of eyesight of the user of the goggles and which holds said goggles firmly in line and in position before the eyes of the user; and the invention consists in the novel features and combinations hereinafter set forth and claimed.

In the drawings, Figure 1 is a front elevation of the goggles showing the construction of the frames. Fig. 2 is a sectional view at line X—X in Fig. 1 showing a plan view of the nose piece of the goggles, the rims being shown in section. Fig. 3 is a sectional view of the nose piece at line Z—Z in Fig. 4, showing the adjustable attachment of the rims thereto. Fig. 4 is a sectional view at line Y—Y in Fig. 2 showing the nose piece and its attachment to the rim, a portion of the goggle being shown with the rim for the same. Fig. 5 is a perspective view of a modification of the adjustable frame of the goggles showing the nose piece formed of two pieces hinged to the goggle rims at the lower ends and slidably mounted at the upper ends for adjustability, being slidably confined in their central portions.

Like characters of reference refer to corresponding parts in the several views.

The numeral 10 designates the limited vision goggle of which there are a pair, each of which has the cross-shaped slotted clearance in the middle in line with the center of vision, that is, central of the goggles, the remainder of the goggle being opaqued to protect the eye of the user as shown and claimed in an application for Letters Patent Serial No. 81,829.

The numeral 11 designates the rim of each of the pair of goggles which is preferably made of thin sheet metal or some equally good substance which has sufficient strength to hold the goggles firmly in position and by supporting the bows 15 and the adjustable attachment of the goggles to one another.

The goggles 10 are adjustably attached to one another by means of the connecting wire or wires 12, that is, the wire 12 may be a single wire with a central enlargement for turning the same and right and left screws in the rim 11 so that by turning the wire 12 the goggles 10 will be moved to or from one another as desired in adjusting the interpupillary distance. It is usually preferred, however, to have two wires 12 with right and left threads on the ends and a connective sleeve 13 with right and left threads which forms a turnbuckle for moving or adjusting the goggles 10 to or from one another.

The goggle rims 11 are preferably made with the joint 14 on their sides opposite the point where the bows 15 are hinged. The bows 15 are preferably of the temple grip type, though other forms may be used.

The guidance of the goggles 10 to and from one another is arranged for preferably by means of the nose piece 16 which has the holes 17 and 18 for the pins 19 and 20, which pins are attached to the opposite rims 11 and each extends toward the opposite rim one above the other so as to slidably engage in the holes 17 and 18. The rear side 21 of the nose block 16 is curved to fit over the bridge of the nose and rest firmly thereon so that the grip bows 15 will hold the goggles 11 firmly in position with each goggle squarely before the eye or line of vision of the user.

A modification of the adjustable attachment of the goggles 10 and rims 11 is shown in Fig. 5 in which the wire 12 is provided with the turn-buckle 13, substantially the same as in Fig. 1. The nose piece consists of a pair of intercrossing curved and flanged wires 22 and 23 which engage the wire 12 each side of the turnbuckle 13 at 24. The wires 22 and 23 are hinged at their lower ends 25 to the rims 11 and a ring 26 is provided through which the wires 22 and 23 are slidably mounted so that said wires 22 and 23 may be adjusted as desired by simply turning the turn-buckle 13, thereby moving the goggles 10 to or from one another. The nose piece automatically adjusts itself to the broadened or narrowed space between said goggles. The simpler form of nose piece 16 is usually preferred with its sliding

adjustment of the pins 19 and 20, though the sliding adjustment of the wires 22 and 23 in the ring 26 attains substantially the same purpose but is not as strong or as cheaply constructed.

It is apparent that the sliding nose piece or adjustment for the nose gives self adjustment according to the position of the bridge of the nose between the eyes and that said nose piece will automatically adjust itself when placed on the nose after the goggles have been adjusted to the distance between the lines of vision.

I claim as new:—

1. A frame for goggles comprising rims for said goggles, two supports for said rims connecting the same, one of said supports slidably mounted and forming the nose rest between said rim and the other a master adjustment screw, and bows for said rims.

2. A frame for goggles comprising rims for said goggles, an attachment between said rims for adjusting the distance between said rims to focus said goggles, an automatically adjusting nose piece connecting said rims and independent of said attachment for adjusting the same, and bows for said rims.

3. A frame for goggles comprising rims for said goggles, a turnbuckle connection for said goggles to adjust said goggles as to the interpupillary distance, a nose piece permitting slidable adjustment between said rims, and bows for said rims.

4. A frame for goggles comprising rims for said goggles, a turnbuckle connection for said goggles to adjust the distance between said goggles, a nose piece having holes in the opposite sides, projections on said rims slidably engaging in said holes to support said nose piece and hold the parts in line, and bows for said rims.

5. A frame for goggles comprising rims for said goggles, oppositely placed wires on said rims projecting toward one another having a right hand thread on one of said wires and a left hand thread on the other, a connecting sleeve for said wires having a right hand thread in one end and a left hand thread in the other to move said goggles to and from one another by turning said sleeve, a nose piece having holes in the opposite sides thereof one above the other, pins on said rims slidably engaging in said holes to support said nose piece in position, and bows hinged to said rims.

In testimony whereof I have affixed my signature in the presence of two witnesses.

OTHO M. OTTE.

Witnesses:
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