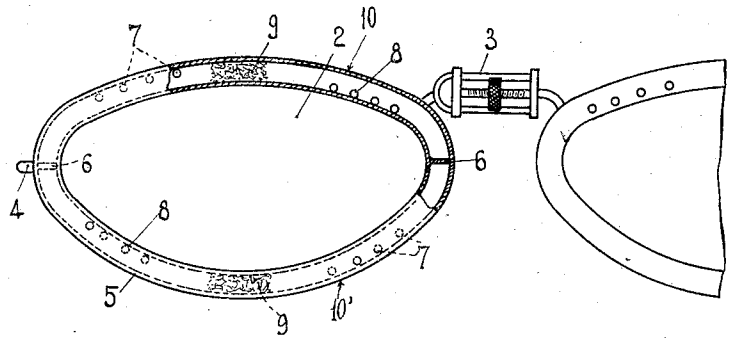
April 27, 1926. 1,582,785

G. RATTI

GOGGLES

Filed March 26, 1925

FIG. 1



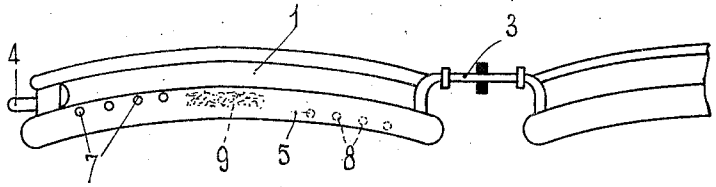


FIG. 2

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Patented Apr. 27, 1926. 1,582,785

UNITED STATES PATENT OFFICE.

GIUSEPPE RATTI, OF TURIN, ITALY.

GOGGLES.

Application filed March 26, 1925. Serial No. 18,567.

To all whom it may concern:

Be it known that I, GIUSEPPE RATTI, a subject of the King of Italy, residing at Turin, Italy, have invented certain new and useful Improvements in Goggles, of which the following is a specification.

It is known that goggles or eye screens used by motorists and the like for protecting the eyes against the action of air streams and foreign matters and comprising glass screens arranged in a frame which follows the configuration of the orbital cavity, must be provided with means for the circulation of air in the space they enclose around each eye.

The present invention has for its object an arrangement for the said purpose, said arrangement comprising means which provide for a sufficient but not objectionable air circulation in the space enclosed around the eye and prevent at the same time the entry of foreign matters in said space.

According to the present invention the rigid frame carrying each glass screen of the goggle is provided on its edge intended to contact with the wearer's face around his orbital cavity with a lining consisting of a soft material tube, the wall of said tube having sets of perforations a number of which open in the atmosphere while other ones open in the space enclosed around the eye by said frame and screen, said sets of perforation being staggered with respect to each other.

On the annexed drawing is illustrated an embodiment of the present invention and Figure 1 is the front view of a goggle according to the present invention; Figure 2 is a plan view of the same.

As shown on said drawing the goggle comprises two frames 1, each having in its front portion a glass screen 2, which are interconnected by a bridge piece 3 adapted to be positioned on the nose of the wearer. Said frames have at their side portions hooks 4 or the like for attaching thereto the elastic bands or the like intended to support the goggle on the wearer's head.

On the rear edge of each frame 1, that is on its edge intended to contact with the wearer's face, is fastened a ring 5 consisting of a tube, preferably a rubber tube, which provides a soft lining bearing on the wearer's face around his orbital cavity.

Each of said rings 5 is divided into two separate sections 10—10′ by partitions 6 and in the walls of the two portions of tube at the sides of each partition are provided ports 7 leading to atmosphere and ports 8 opening into the space within the frame 1 and glass screen 2.

The ports 7 and 8 are provided in spaced portions of each tube section 10—10′ and between the said spaced portions where the ports 7 and 8 are provided, are arranged pervious plugs 9 of cotton or similar fibrous material.

In use, when the goggle is in position on the wearer's face, each tube ring 5 with its respective frame 1 and screen 2 encloses around each wearer's eye a space into which air may flow only from outside through ports 7 and then through ports 8 of each tube section, said air having to flow through the intermediate plug 9 of fibrous or filtering material; therefore air enters slowly in said space without producing an objectionable agitation in the air enclosed in the space between the frame and screen and eye, and it cannot carry any foreign matter into the same.

The space between each eye and the corresponding frame 1 and screen 2 is thus sufficiently aerated without the air circulation produced in the same being objectionable.

What I claim as my invention and desire to secure by United States Letters Patent is:—

1. A goggle or eye protector, comprising, for each eye, a frame, a screen in the front portion of said frame, means for supporting said frames on the wearer's head, a ring made of a tube of soft material on the edge of said frame for contacting with the wearer's face, said tube having, in its wall, ports opening to atmosphere and ports opening to the space enclosed around the eye of the wearer and spaced from the ports opening to atmosphere.

2. A goggle or eye protector, comprising, for each eye, a frame, a screen in the front portion of said frame, means for supporting said frames on the wearer's head, a ring made of a tube of soft material on the edge of said frame for contacting with the wearer's face, partitions in said tube dividing it into separate sections, each tube section having ports in its wall which open to atmosphere and ports spaced from the first named ports and opening to the space enclosed around the eye of the wearer.

3. A goggle or eye protector, comprising, for each eye, a frame, a screen in the front portion of said frame, means for supporting said frames on the wearer's head, a ring made of a tube of soft material on the edge of said frame for contacting with the wearer's face, plugs of filtering material in said tube dividing it into separate sections, some of the sections having ports in their wall which open to atmosphere, and others of the sections having ports in their wall opening into the space enclosed around the eye of the wearer.

4. A goggle or eye protector, comprising, for each eye, a frame, a screen in the front portion of said frame, means for supporting said frames on the wearer's head, a ring made of a tube of soft material on the edge of said frame for contacting with the wearer's face, partitions in said tube dividing it into separate sections, each tube section having a set of ports in its wall which opens to atmosphere and a set of ports spaced from the first named set and opening into the space enclosed around the eye of the wearer, and a plug of filtering material in each tube section intermediate the two sets of ports of the section.

In testimony whereof I have signed my name to this specification

GIUSEPPE RATTI.