C. H. COLLMAN.

FACE PROTECTOR.

APPLICATION FILED NOV. 4, 1915.

1,199,529. Patented Sept. 26, 1916.

Fig. 1.

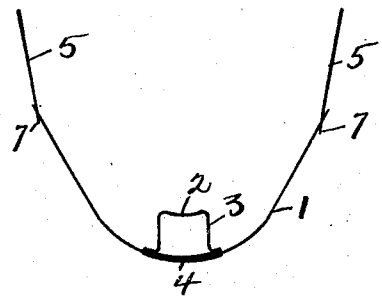


Fig. 2.

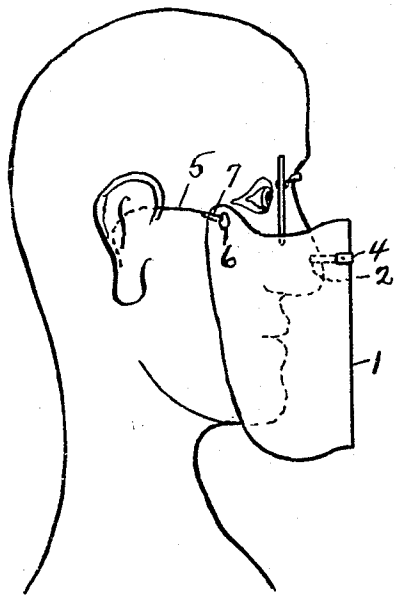
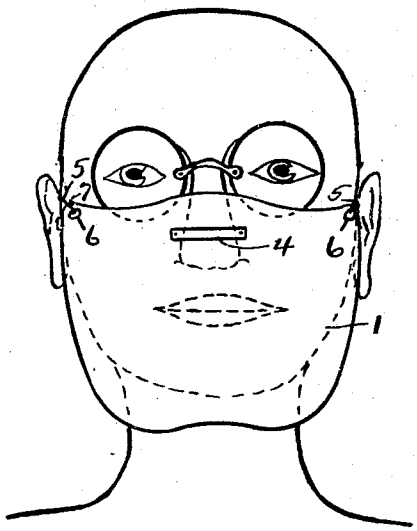


Fig. 3.



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UNITED STATES PATENT OFFICE.

CONRAD H. COLLMAN, OF ERIE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO C. FORD HEARD, OF ERIE, PENNSYLVANIA.

FACE-PROTECTOR.

1,199,529. Specification of Letters Patent. Patented Sept. 26, 1916.

Application filed November 4, 1915. Serial No. 59,567.

To all whom it may concern:

Be it known that I, CONRAD H. COLLMAN, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented new and useful Improvements in Face-Protectors, of which the following is a specification.

This invention relates to face protectors and consists in certain improvements in the construction thereof as will be hereinafter fully described and pointed out in the claims.

The object of the invention is to provide a face protector for doctors especially those engaged in the treatment of the throat and nose. Under these circumstances the coughing of the patient is a constant menace to the operator and at the same time it is necessary for the operator to be able to direct the entire attention on the work.

The invention is illustrated in the accompanying drawings as follows:—

Figure 1 shows a plan view of the protector. Fig. 2 a side elevation of the protector in place. Fig. 3 a front elevation of the protector in place.

1 marks a shield. This is preferably formed of transparent material. It is provided with a nose rest 2 which is secured to the shield by the arms 3. A plate 4 is arranged outside of the shield which is ordinarily of thin fragile material so as to facilitate the securing of the arms 3 to the shield. Ear pieces 5 are secured to the upper corners of the shield, the shield having the perforations 6 for receiving eyes 7 in the ear pieces. The ear pieces extend over the ears of the operator and thus secure the shield in place, the nose rest resting on the nose.

It will be observed that the shield is held somewhat in front of the face so that the operator can breathe freely. This is facilitated by the extension of the nose rest so that the shield is somewhat in front of the nose. It will also be observed that the ear pieces attached to the upper corners of the shield tend to pull the bottom of the shield outwardly, the nose rest forming a fulcrum in this respect. By so arranging the ear pieces with relation to the nose rest the bottom of the shield swings outwardly as the operator inclines the head in a forward direction and this relieves the pressure on the operator especially at the nose rest.

It is preferable to make the shield of transparent material because it is necessary for the operator ordinarily to converse with the patient and this can be more readily done where the patient can observe the lip movements of the operator in talking.

What I claim as new is:—

1. In a face protector, the combination of a shield adapted to cover the mouth and nose and resting on the nose; and ear pieces attached to the shield and holding the shield in engagement with the nose and free from the bottom of the face.

2. In a face protector, the combination of a shield adapted to cover the mouth and nose; a nose rest rigidly mounted on the shield; and ear pieces attached to the shield and acting with the rest to hold the shield free from the bottom of the face.

3. In a face protector, the combination of a shield adapted to cover the mouth and nose; a nose rest on the shield; and ear pieces attached to the shield, the point of attachment of the ear pieces being above the fulcrum formed by the nose rest.

4. In a face protector, the combination of a shield adapted to cover the mouth and nose; a nose rest rigidly mounted on the shield projecting from the rear surface of the shield and adapted when in place on the nose to hold the shield forward from the nose; and ear pieces attached to the shield and acting with the nose rest to hold the shield free from the bottom of the face.

5. In a face protector, the combination of a shield adapted to cover the mouth and nose; a nose rest on the shield projecting from the rear surface of the shield and adapted when in place on the nose to hold the shield forward from the nose; and ear pieces attached to the shield, the point of attachment of the ear pieces being above the fulcrum formed by the nose rest.

In testimony whereof I have hereunto set my hand.

CONRAD H. COLLMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."