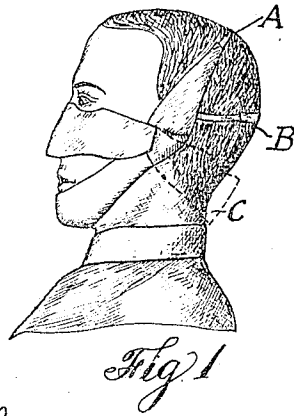
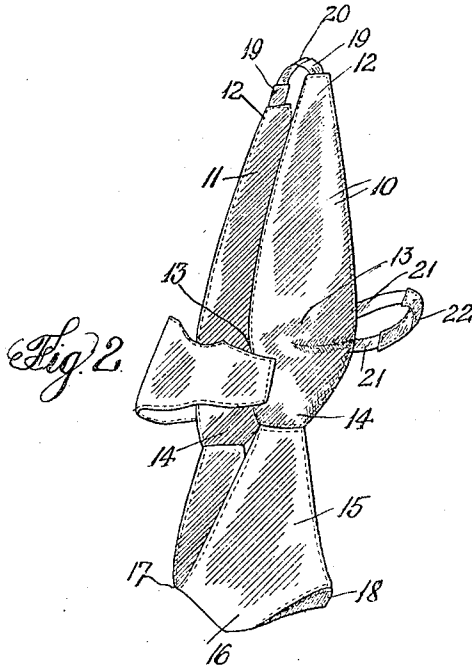
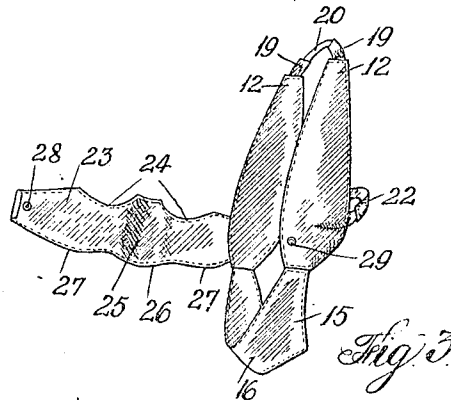
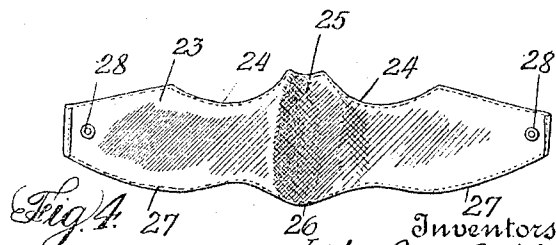


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FACE AND EAR SHIELD.
APPLICATION FILED FEB. 23, 1918.

1,291,846.

Patented Jan. 21, 1919.



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FACE AND EAR SHIELD.

1,291,846.

Specification of Letters Patent.

Patented Jan. 21, 1919.

Application filed February 23, 1918. Serial No. 218,887.

To all whom it may concern:

Be it known that we, ISIDORE GREENFIELD and SAMUEL GREENFIELD, both citizens of the United States, and both residents of New York, in the county of New York and State of New York, have invented new and useful Improvements in Face and Ear Shields, of which the following is a specification.

This invention relates to clothing, the invention being more particularly related to a shield device for protecting the face and the ears of the wearer against the elements.

A principal object of the invention is to provide a simple, convenient and comparatively inexpensive shield adapted to protect the more prominent and exposed features or portions of the face, such as the nose, chin, cheeks and ears, against inclement weather, and more particularly to protect them against the rigors of cold climates.

Another object of the invention is the provision of a device of this character which is adapted to be worn alike by soldiers, sailors, policemen, chauffeurs, farmers and others, whose occupations require them to be exposed for long periods of time to low temperatures and the storms of winter, which device is designed to be used by these classes without interfering in any manner with the customary or conventional uniforms or types of garments worn by them, both as to head-gear and as to coats or cloaks.

A still further object is the provision of a device of this character which, while efficient in protecting the face and ears, will not interfere in any way with respiration, either through the mouth or nose, or with the vision either with or without eye-glasses.

Other objects and purposes of the invention will be made manifest in the following description.

The invention consists of the parts and of the construction, arrangement and combination of parts as hereinafter more fully described and shown in the accompanying drawings, forming a part of this specification, and in which:—

Figure 1 is a view showing my novel shield as it appears when applied upon the head of the wearer.

Fig. 2 is a perspective view of the device.

Fig. 3 is a similar view, showing the nose element detached at one end.

Fig. 4 is a detail view of the nose element.

Fig. 5 is a fragmental sectional view, showing in particular how the resilient means, preferably incorporated in the nose element, holds the latter for snug engagement upon the nose.

With more particular reference to the accompanying drawings, the numerals 10 and 11 indicate a pair of elongated ear elements, identical in form and size. At their upper ends, these elements are flat and relatively narrow as at 12, while the opposite longitudinal sides gradually widen out, until at regions as 13, they reach their maximum width in order completely to envelop the ears of the wearer, from which regions they taper again, preferably abruptly, to form the relatively narrow lower ends 14. At the widest regions 13, these ear elements are made full or baggy so as to provide suitable spaces for the reception of the ears.

Connecting the ends 14 of the elongated ear elements 10 and 11, is a chin element 15, the opposite sides of which gradually widen toward the central region to provide there a relatively wide, full and baggy portion as 16, receptive of the chin of the wearer, the upper side 17, opposite the full portion being adapted to be extended upwardly to the lower lip of the wearer, while the lower portion 18, opposite the full portion, is adapted to be extended underneath the chin to the neck of the wearer.

By making the chin element 15 in this form, the chin of the wearer may be completely covered as shown in Fig. 1, while the sides of this element, taken in connection with the ends 14, are adapted to cover completely the lower jaws of the wearer.

As a means of conveniently and comfortably holding the elements 10 and 11 along with the incorporated chin element 15 in the desired positions, we prefer to attach to the ends as 12 of the ear elements tape elements as 19, between which is connected an elastic element as 20. In use, these securing elements are engaged upon the head, preferably upon the rear portion thereof as at A (Fig. 1) so as to occupy an

inclined position in alinement with the point of the chin. As a further means of holding the elements in position, we prefer to attach to the ear elements at points above the ears of the wearer, other tape elements as 21, which are connected by an elastic element as 22, these holding elements being adapted to encompass the back of the head above the ears as at B (Fig. 1).

The shield thus made can be readily applied and as readily removed in an obvious manner, the elastic inserts serving to compensate for various sizes of heads, and as well to hold the elements in snug, comfortable engagement upon the parts to be protected, without interfering in any manner with the use of any type of cap or head-gear, and also without interfering with any conventional type of coats, cloaks or storm collars.

As a means of protecting the nose and cheeks of the wearer, we provide a nose element at 23, the upper side of which is made with curved indentures as 24 to agree substantially with the curvature of the eyes, so as to provide protection for the prominent portions of the cheeks without interfering with the vision, there being preferably formed between the indentures 24 and extending transversely across the element an outwardly bulging portion 25 terminating in a downwardly projecting portion 26 so as to provide a desirable form for incasing the nose, as best shown in Fig. 1. Beyond the portion 26, on each side, the lower edge of the nose piece is again widened out as at 27 in order, when applied, to overlap the adjacent sides of the chin element 15 and of the ear pieces 10 and 11, so as to cover, as shown in Fig. 1, large portions of the cheeks.

Upon the opposite ends of the nose element 23 are secured eyes as 28 or other securing means, adapted to engage buttons as 29, secured in proper position upon the ear members 10 and 11. The nose element 23 may thus be worn in connection with the other elements, or, if desired, it may be removed entirely. Again, when it is not desired to use it for protecting the nose and cheeks, the nose element may still be carried by the ear elements 10 and 11, by passing it around the back of the neck above the collar as indicated at C in dotted outline (Fig. 1).

The top side of the nose piece 23 between the eye curves 24 may be provided with, or have seamed in the material, in any suitable manner, a curved nose spring 30, adapted to give the portion 25 a form corresponding generally to the bridge of the nose. This nose spring 30, holding the material snugly against the nose upon either side because of its resiliency, serves further to hold the nose piece in position, so that it cannot be shifted or bulged out easily under the action of strong winds.

The ear, chin and nose elements may be made of any suitable water-proofed material, of rubber, or of any other suitable material, and the same, if desired, may be lined on the inner side with any warm comfortable material suitable for the purpose. The shield, thus constructed, protects the more prominent features of the face, which as everyone knows who has lived in cold climates, are more likely to become painfully chilled under low temperatures or by icy winds. By thus incasing the more prominent features, the blood circulating through the head is prevented from becoming chilled, so that as a natural consequence, the remaining exposed portions of the face are kept much warmer.

Having thus described our invention, what we claim is:—

1. An article of the class described comprising a pair of elongated ear elements, a chin element connected therebetween, a nose element detachably connected therebetween, and extensible means engaged with the ear elements adapted to embrace the head of the wearer in such manner as to hold the several elements in proper relative adjustment, substantially as described.

2. An article of the class described comprising a pair of elongated ear elements formed with enlarged portions adapted to incase the ears, an elongated chin element connected with the said ear elements and formed intermediate its length with an enlarged portion adapted to incase the chin, and extensible means connected with the said ear elements adapted to embrace the head of the wearer in such manner as to maintain the several elements in their proper relative positions, substantially as described.

3. An article of the class described comprising a pair of elongated ear elements, a chin element connected therebetween, a nose element detachably engaged therebetween, said nose element being formed with a transverse portion adapted approximately to incase the nose, resilient means for holding the nose element snugly upon the nose of the wearer, and extensible means combined with the ear elements to hold the several elements in proper engagement with the parts to be protected, said means being adapted to embrace the head of the wearer, substantially as described.

4. An article of the class described comprising, a pair of elongated ear elements formed with enlarged portions adapted to incase the ears, a chin element engaged with said ear elements and formed with an enlarged portion intermediate its length adapted to incase the chin, the opposite sides of said chin portion combined with the adjacent ends of the said ear portions being adapted to cover the lower jaws, a nose ele-

ment detachably engaged with said ear elements, said nose element being formed with a portion receptive of the nose, curved indentures to conform with the curvatures of the eyes and with enlarged side portions adapted to cover large portions of the cheeks, and means with flexible parts connected with said ear elements and adapted to embrace the head of the wearer whereby to maintain the several elements in proper engagement with the parts to be protected, substantially as described. 10

In testimony whereof we have signed our names to this specification.

ISIDORE GREENFIELD.
SAMUEL GREENFIELD.

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