

Aug. 17, 1954

H. O. MICHAELIS
HEAD WEARING APPAREL

2,686,317

Filed Dec. 26, 1951

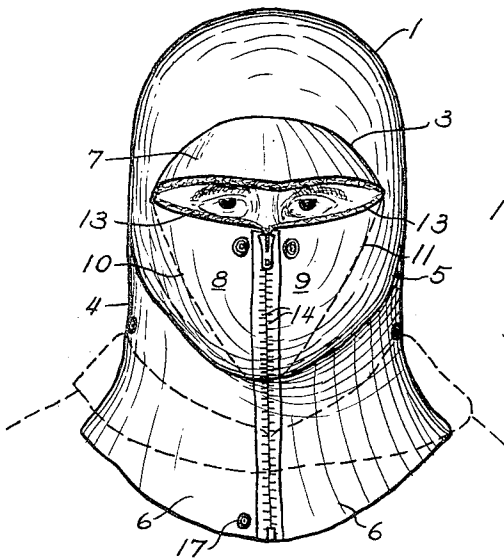


Fig. 1

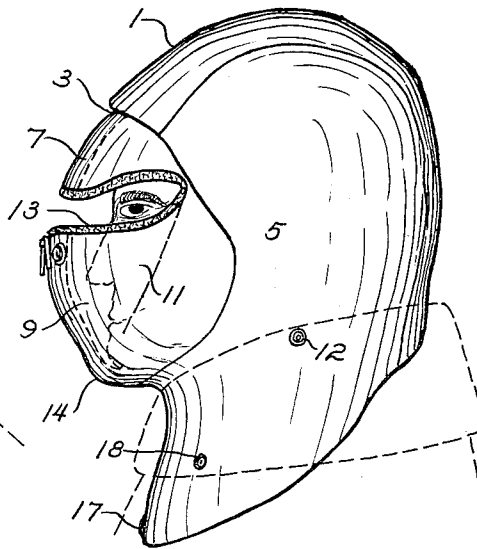


Fig. 2

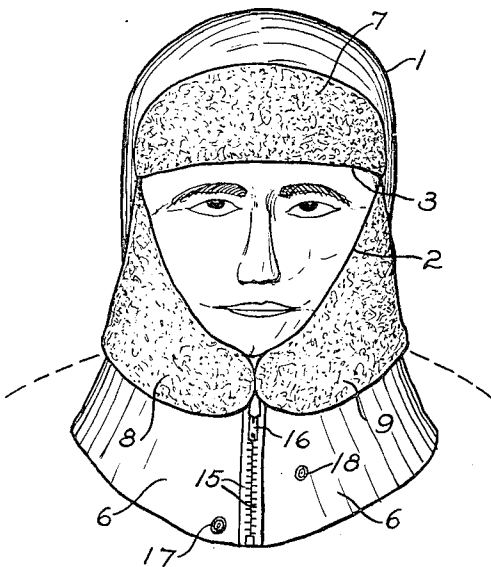


Fig. 3



Fig. 4

INVENTOR

Harold O. Michaelis
BY *Hutchinson, Hutchinson & Milroy*
ATTORNEYS

UNITED STATES PATENT OFFICE

2,686,317

HEAD WEARING APPAREL

Harold O. Michaelis, Berlin, Wis.

Application December 26, 1951, Serial No. 263,190

3 Claims. (Cl. 2—205)

1

This invention relates to head wearing apparel preferably in the form of a hood or cap designed for protection against severe weather conditions and for other purposes.

The main object of the invention is to provide an effective head covering which will amply protect the head, face and neck, yet which is so designed that when in use for protecting the entire face adequate provision is made for normal breathing through both the nose and mouth of the wearer.

Another object of the invention is the provision of a cap or hood for receiving the entire head and face of the wearer and wherein certain portions of the face covering sections of said cap or hood may be swung laterally away from the face and held in positions to provide an opening through which the eyes, nose, mouth and chin of the wearer may be exposed, provision also being made at the same time to securely fasten the hood or cap around the wearer's neck with a more or less snug fit.

A still further object of the invention is the provision of face covering sections for the hood or cap which are designed as flaps of cupped formation generally triangular in shape and adapted, when swung laterally to positions in front of the face and connected together, to assume a cup-like spaced relation across the face to protect the nose, mouth and chin of the wearer and permit at the same time normal breathing through both the nose and mouth.

Another object of the invention is to provide in combination with the cupped face covering sections, a visor flap which is so designed that when positioned to shield the eyes of the wearer of the hood or cap the then lower edge thereof assumes a spaced relation to the combined upper horizontal edge of the face sections in their face covering positions, and thus providing a relatively narrow slit between such edges serving as a sight opening for the wearer when all parts of the hood or cap are in their protecting positions.

To the accomplishment of the above related objects, as will appear as the description proceeds, the invention may be embodied in the forms illustrated in the accompanying drawing, attention being called to the fact, however, that the drawing is illustrative only, and that changes may be made in the specific constructions illustrated and described, so long as the scope of the appended claims is not violated.

In the accompanying drawing which forms a part of this application,

Fig. 1 shows a front view of a hood or cap in

2

place on the wearer's head with the visor flap down and with the face covering flap sections connected together in their protecting positions.

Fig. 2 is a side elevation of the hood or cap in place upon the wearer's head with the visor flap and face covering flap sections in their face protecting positions, and showing particularly the spaced relation of the cup-like face protecting sections to the nose and mouth of the wearer.

Fig. 3 is a front view of the hood or cap in place upon the wearer's head with the visor flap held up and the face covering flap sections swung laterally away from one another to expose the greater part of the face, and also showing the combined neck and bib-like portions connected together about the wearer's neck, and

Fig. 4 is a side elevation of the hood or cap in place upon the wearer's head and with the hood sections shown in positions similar to those indicated in Fig. 3.

The body of the hood designated at 1 in the drawing is shaped to fit the head of the wearer, and when the face protecting sections thereof assume their non-protecting positions upon the hood, said hood is provided with an opening designated at 2 in the front through which practically the entire face may be exposed. This opening when uncovered will expose the eyes, nose, mouth and chin, the top edge 3 of the opening engaging across the forehead directly above the eyes. The sides 4 and 5 of the hood extend inwardly slightly over the cheeks and at the lower end thereof also extend downwardly beyond that portion surrounding the neck a distance sufficient to form a relatively short bib-like portion 6—6 covering a part of the chest of the wearer, thus serving as a means whereby the neck will be more fully protected when the hood is securely fastened in place upon the head of the wearer. Secured to the body part along the upper edge 3 of the opening is the visor flap 7, which flap is adapted to assume either the position shown in Figs. 1 and 2 of the drawing where it serves as a partial protection for the face and particularly the forehead and eyes of the wearer, or to the position shown in Figs. 3 and 4 where it is folded upwardly against a top portion of the cap. This visor 7 is so fashioned with respect to the body of the hood or cap as to "stay-put" in either one of its positions without the use of fastening devices.

Extending from the opposite sides 4 and 5 of the hood are flaps 8 and 9, namely face covering portions of cupped formation and generally triangular in shape when folded back upon the

side portions of the head covering or hood, which flaps may assume positions in front of the face for protection purposes as shown in Figs. 1 and 2, or be swung laterally upon fold lines 10 and 11 respectively to the positions shown in Figs. 3 and 4 and in contact with the sides 4 and 5 respectively and to thus expose substantially the entire face of the wearer through the front face opening 2. These flaps may, if desired, be firmly held in their folded positions against the sides 4 and 5 respectively by any suitable fastening means, snap fasteners being used in the present embodiment of the invention as shown at 12 in Figs. 1 and 2.

Each cupped flap covers an area bounded first by a fold line indicated by dotted lines in Figs. 1 and 2, and extending from a point directly under the chin to a point at one corner of the visor flap 7; secondly, by an edge 13 extending from said point at one corner of the visor flap 7 to a point midway of the face and in spaced relation to the face; and thirdly, by a relatively curved edge 14 which extends from the upper part of the neck portion of the hood directly under the chin to a point where it joins the edge 13 at the point thereof midway in front of the face; thus providing a substantially triangularly shaped flap portion as shown in the drawing. In this connection, it is to be noted that when the flaps 8 and 9 are swung laterally toward each other to their face protecting positions and connected together along their meeting curved edges 14—14 as shown in Figs. 1 and 2, then the edge 13 of one flap and the complementary edge 13 of the other flap will assume relatively horizontal positions in front of the face slightly below the eyes, and furthermore, this combined horizontal edge 13—13 will further adapt itself to a relatively curved position across the face and in spaced relation thereto.

It is to be understood that the neck portion of the hood or cap including the bib-like portion 6—6, as heretofore referred to, have a relatively snug fit about the wearer's neck, and this when the vertical meeting edges 15—15 thereof are fastened together as shown for instance in Fig. 3. These meeting edges 15—15 may be firmly attached one to the other by means of any suitable fastening devices, but preferably by a separable fastener of the conventional slide fastener type, as shown at 16 in the drawing. This separable fastener extends in part from the lower edges of the bib-like portions 6—6 along the relatively straight edges 15—15 to a point preferably just under the chin, and when these edges are connected in such manner a relatively snug fit of the neck portions around the wearer's neck is thus provided. This separable fastener 16 as a matter of fact extends continuously from the lower part of the bib-like portions 6—6 along the edges 15—15 and then along the relatively curved edges 14—14 of the protection flaps 8 and 9, thus permitting all of these edges 15—15 and 14—14 to be fastened together by a single operation and with a single fastening means when it is desired to fasten the neck portions around the neck and at the same time place the flaps 8 and 9 in their protecting positions in front of the face as clearly shown in Figs. 1 and 2.

In the use of the hood or cap, the same is first placed upon the head and then the edges 15—15 of the neck portion zipped together to thus permit said neck portions to snugly surround the neck. In not so severe weather the flaps 8 and 9 may be worn in the positions shown in Figs. 3 and 4, and to securely retain them in these positions

they may be fastened to the hood proper by snap fasteners 12 as heretofore mentioned. In severe weather conditions the separable fastener may be further moved along the curved edges 14—14 of the flaps 8 and 9 to position and maintain said flaps in their cup-like formation across the wearer's face and covering the nose, mouth and chin, and this with the visor flap 7 in its lowered position, all of which as shown in Figs. 1 and 2, to thus provide proper protection and at the same time allow for a relatively narrow sight opening between the then lower edge of the visor flap 7 and the horizontal edges 13—13 of the flaps 8 and 9. In relatively mild weather and with the flaps 8 and 9 fastened in place against the sides 4—5 of the hood, the entire sides and neck portions including the flaps, may be lifted to positions extending over the head and out of the way of the face and neck, it being understood these said hood sections may be maintained in such positions and in slightly overlapped relation by a snap fastener as shown in the drawing, one part of said snap fastener being carried by one of the combined neck and bib-like sections as at 17 and the other part of the snap fastener being carried by the other of said neck and bib-like sections as at 18.

What I claim is:

1. A cap or hood for shielding the head and face of the wearer having a head covering portion, neck covering portions extending downwardly from said head covering portion, and face protecting sections, the front of the head covering portion having a downwardly extending forehead covering portion in the form of a peak, the lower edge of said forehead covering portion being adapted to be positioned just above the eyes of the wearer, the face protecting sections being generally triangular in shape with portions thereof along one side of each triangular face protecting section connected to said head and neck covering portions, and having an edge extending horizontally from the point of connection and spaced from the lower edge of said forehead covering portion, and another edge extending substantially vertically from said horizontal edge and being slightly curved, said face covering sections being cupped and adapted to extend away from the face, and means extending along the vertically extending edges of the face covering section for connecting the said sections together in cupped formation, said face covering sections with their vertically extending edges in meeting relation when connected together assuming a cup-like formation across the face of the wearer slightly below the eyes and in spaced relation to the face, whereby the face of the wearer is substantially fully protected and still normal breathing may be permitted through both the nose and mouth of the wearer.

2. A cap or hood for shielding the head and face of the wearer having a head covering portion, neck covering portions extending downwardly from said head covering portion, and face protecting sections, the front of the head covering portion having a downwardly extending forehead covering portion in the form of a peak, the lower edge of said forehead covering portion being adapted to be positioned just above the eyes of the wearer, the face protecting sections being generally triangular in shape with portions thereof along one side of each triangular face protecting section connected to said head and neck covering portions, and having an edge extending horizontally from the point of connection and spaced from the lower edge of said forehead cov-

5

ering portion, and another edge extending substantially vertically from said horizontal edge and being slightly curved, said face covering sections being cupped and adapted to extend away from the face, and separable slide fastener means extending along the vertically extending edges of the face covering sections for connecting said sections together in cupped formation across the face of the wearer where they assume a spaced relation with the face and cover the nose, mouth and chin yet provide normal breathing through both the nose and the mouth of the wearer using the hood when in such connected relation.

3. A cap or hood for shielding the head and face of the wearer having a head covering portion, neck covering portions extending downwardly from said head covering portion, and face protecting sections, the front of the head covering portion having a downwardly extending forehead covering portion in the form of a peak, the lower edge of said forehead covering portion being adapted to be positioned just above the eyes of the wearer, the face protecting sections being generally triangular in shape with portions thereof along one side of each triangular face protecting section connected to said head and neck covering portions, and having an edge extending horizontally from the point of connection and spaced from the lower edge of said forehead portion, and

6

another edge extending vertically from said horizontal edge and being slightly curved and merging with the neck covering portion, said neck covering portion having front vertically extending edges continuing downwardly from the substantially vertically extending edges of the triangular face protecting sections and in substantial alignment therewith, and a single separable slide fastener means extending continuously along all of said aligned vertically extending edges for connecting together said edges in meeting relationship, whereby the face protecting sections are maintained in face covering position with the neck covering portion fastened around the wearer's neck.

References Cited in the file of this patent UNITED STATES PATENTS

Number	Name	Date
159,497	Brugger et al.	Feb. 9, 1875
160,844	Schwarz	Mar. 16, 1875
202,262	Isidor	Apr. 9, 1878
1,972,585	Arst	Sept. 4, 1934
2,314,889	Manson et al.	Mar. 30, 1943

FOREIGN PATENTS

Number	Country	Date
563,781	France	Oct. 4, 1923