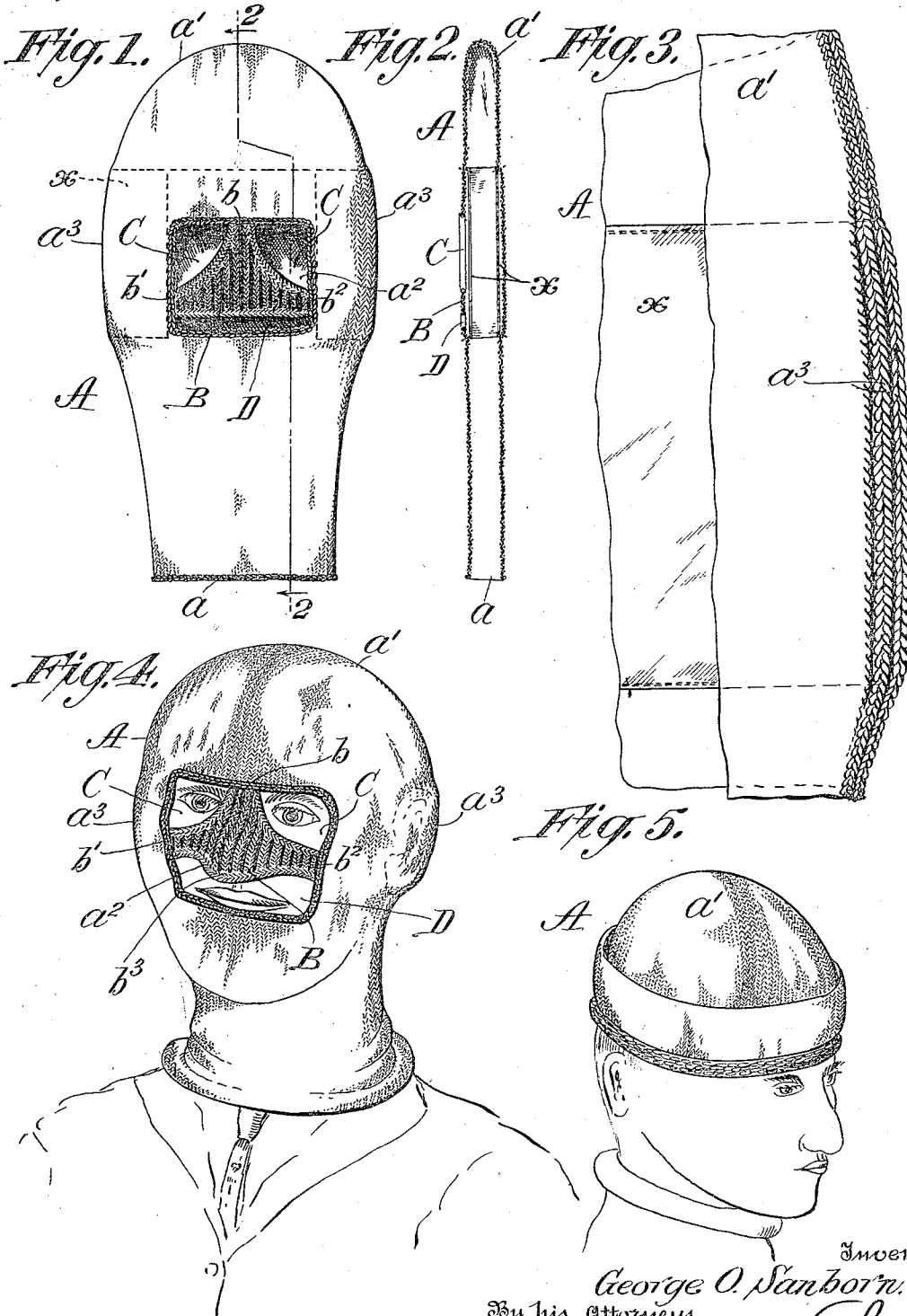


1,235,927.

Patented Aug. 7, 1917.



Inventor
 George O. Sanborn.
 By his Attorneys
 Baldwin & Wright

UNITED STATES PATENT OFFICE.

GEORGE O. SANBORN, OF LOS ANGELES, CALIFORNIA.

HELMET-HOOD.

1,235,927.

Specification of Letters Patent.

Patented Aug. 7, 1917.

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To all whom it may concern:

Be it known that I, GEORGE O. SANBORN, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Helmet-Hoods, of which the following is a specification.

This invention relates to head coverings which are so constructed as to be adapted to completely cover all parts of the head and neck of the wearer except the eyes and mouth, or to be worn as a cap resting on the crown of the head.

According to my invention I make the hood of a fabric which may be easily collapsed, folded or unfolded and extended, preferably employing goods made from woolen yarn and so knit as to provide a suitably shaped portion for the crown of the head, a relatively narrow portion for the neck and a thickened portion for covering the ears and the back of the head of the wearer.

These parts above described may be produced in the process of knitting and during said process an opening is left in the goods for that part of the face where the eyes, nose and mouth are located. The hood thus knitted is tubular and is closed during the knitting at that end which is to cover the crown of the head while the bottom of the neck portion is left open and an opening is left in the face portion as above stated. In order to protect the nose and those parts of the face at the top of the nose between the eyes and beneath the eyes I insert a triangular piece of goods in the face opening and attach the three arms of this inserted piece to the hood in such manner as to leave openings for the mouth and eyes and afford ventilation for the nostrils through the mouth opening. The inserted piece is also preferably made of knit goods and may be stretched or collapsed to cover more or less of the face.

In the accompanying drawings:

Figure 1 shows a front elevation of a helmet hood embodying my improvements.

Fig. 2 shows a section on the line 2—2 of Fig. 1.

Fig. 3 is a view on an enlarged scale and in section showing how the hood may be thickened to afford additional protection and warmth for the ears and the back of the head.

Fig. 4 is a perspective view showing how the hood is worn for protection in cold or stormy weather.

Fig. 5 shows how it may be folded and worn as a cap.

The hood is preferably made by woolen yarn to produce a knit goods which is stretchable and collapsible, and which may be readily folded and unfolded. The knitting process is so conducted as to provide a tubular article A of the kind shown in Figs. 1 and 2, which is open at its lower end a , closed at its upper end a' , and provided with a front opening a^2 . The middle portion of the hood is thickened as indicated at a^3 for the purpose of more fully protecting the ears and the back of the head of the wearer, and the lower part of the hood is narrowed in order to closely fit under the chin and around the neck of the wearer.

The thickened part a^3 may be produced by introducing an additional thread or additional threads during the knitting process and I may also further reinforce the hood by attaching to it a piece of goods x . I may thicken the goods during the knitting process and then apply the material x , or I may omit the material x , or I may dispense with the knitted thickening and use only the material x .

The front opening a^2 is rectangular and if left entirely open would expose to an undue extent the nose of the wearer and that part of the face between and below the eyes. To avoid this I insert in said opening a triangular piece of material B which is also preferably made of knitted goods. Said inserted piece is so formed as to cover all parts of the nose and that part of the face between the eyes and immediately below them.

The part B is attached to the margin or border of the opening a^2 , at b , b' , b^2 . In this way the eye and mouth openings C and D are provided.

Inasmuch as the piece B is made of stretchable and collapsible material it may be made to cover the nose and leave free openings for the eyes and mouth, as shown in Fig. 4, or it may be reduced in size as indicated in Fig. 1, and furthermore the material of the body of the hood beneath the mouth and eye openings may be drawn into these openings to assist in reducing their size.

The hood when worn in the manner shown in Fig. 4 affords complete protection from

the cold to all sensitive parts of the head and neck, and the lower part of the hood may be drawn well down on the chest and upper part of the back. When desired the hood may be folded in the manner shown in Fig. 5 and worn as a cap.

I claim as my invention:

1. A helmet hood comprising a crown portion at the top, a neck portion having a bottom opening, a middle portion having a front opening for the eyes and mouth, and an inserted piece for covering the nose and that part of the face between and below the eyes and which is attached to the margin of the front opening above and between the eye openings and on opposite sides of and below said eye openings but above the mouth opening.

2. A helmet hood comprising a crown portion at the top, a neck portion having a bottom opening, a thickened middle portion for covering the ears and the cheeks having a front opening for the eyes and mouth, and an inserted piece for covering the nose and that part of the face between and below the

eyes and which is attached to the margin of the front opening above and between the eye openings and on opposite sides of and below said eye openings but above the mouth opening.

3. A helmet hood made of knit goods comprising a crown portion, a narrowed neck portion, a thickened middle portion having a front opening, and an inserted piece of knit goods for covering the nose and that part of the face between and below the eyes and which is attached to the margin of the opening above and between the eye openings and on opposite sides of and below said eye openings, said inserted piece and said middle portions around the face opening being adapted to be stretched or collapsed in such manner as to vary the size of the eye and mouth openings.

In testimony whereof I have hereunto subscribed my name.

GEORGE O. SANBORN.

Witnesses:

JOSEPH CONROY,
HENRY E. STORRS.

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