

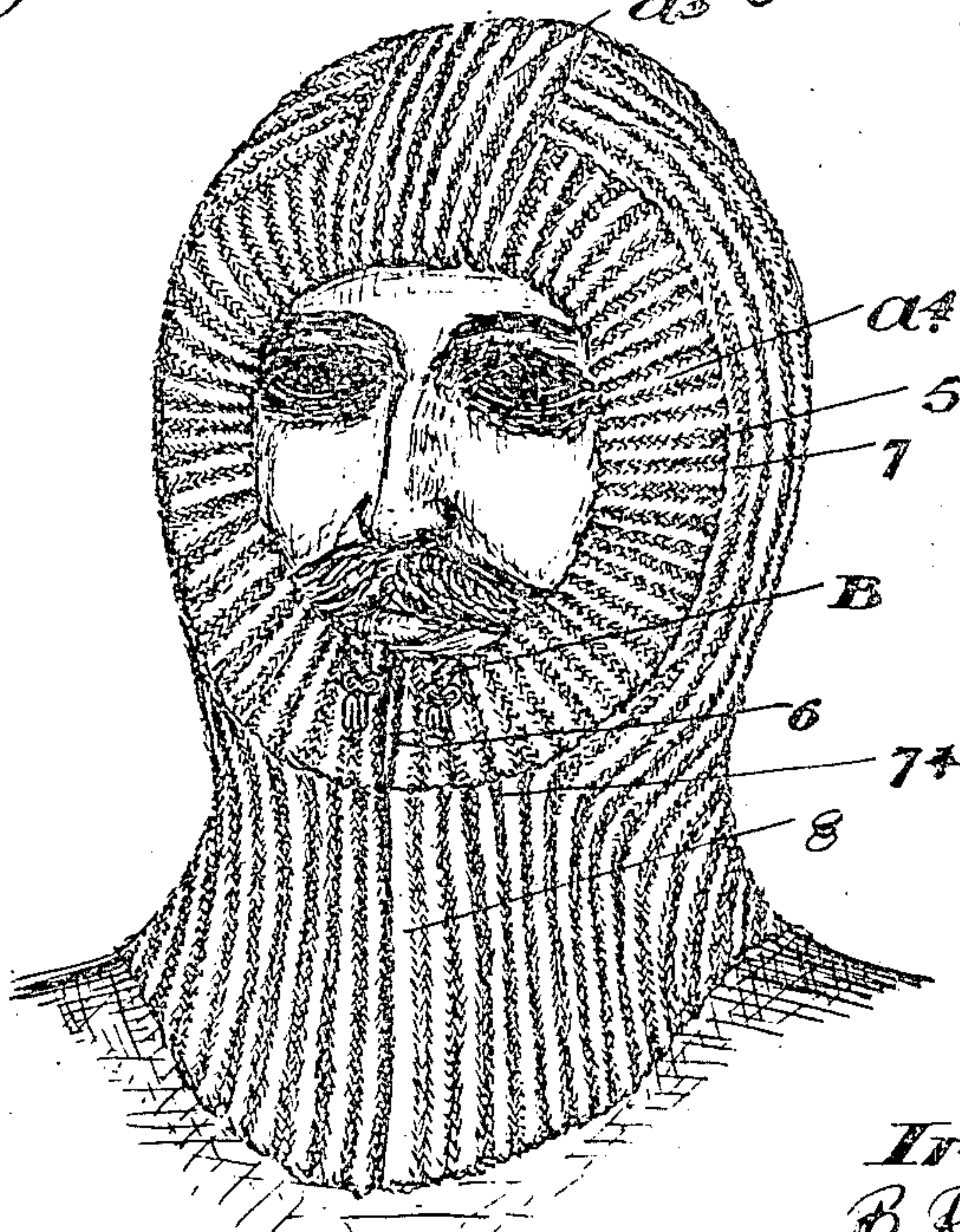
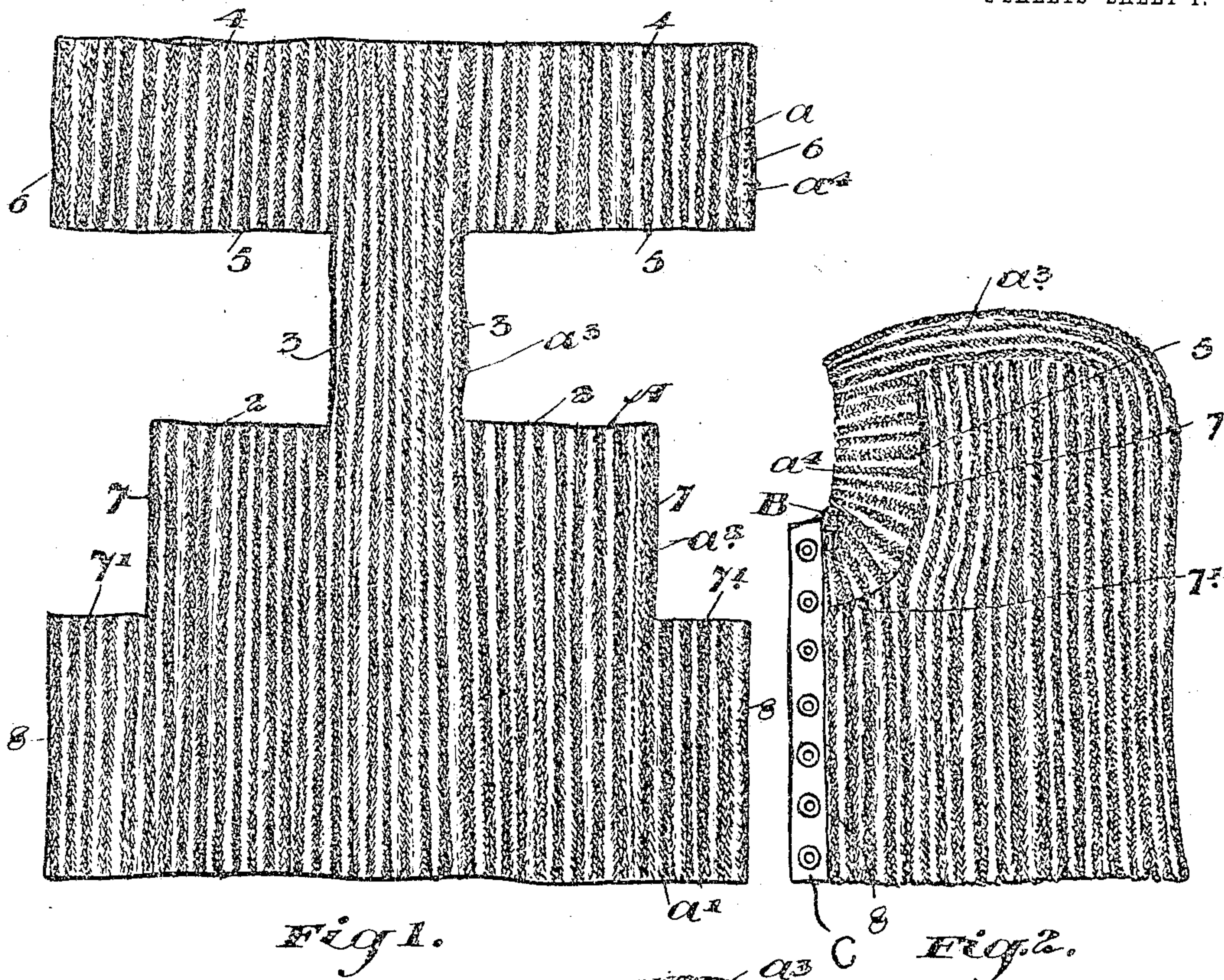
No. 787,945.

PATENTED APR. 25, 1905.

B. RAUTENBERG.
HEAD, FACE, AND NECK MUFFLER.

APPLICATION FILED DEC. 15, 1904.

2 SHEETS—SHEET 1.



Witnesses.
A. B. Sheffield
J. H. Barr.

Fig. 3.

Inventor
B. Rautenberg.
by
Fred B. Saltonstang
Atty.

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2 SHEETS—SHEET 2.



Fig. 4.

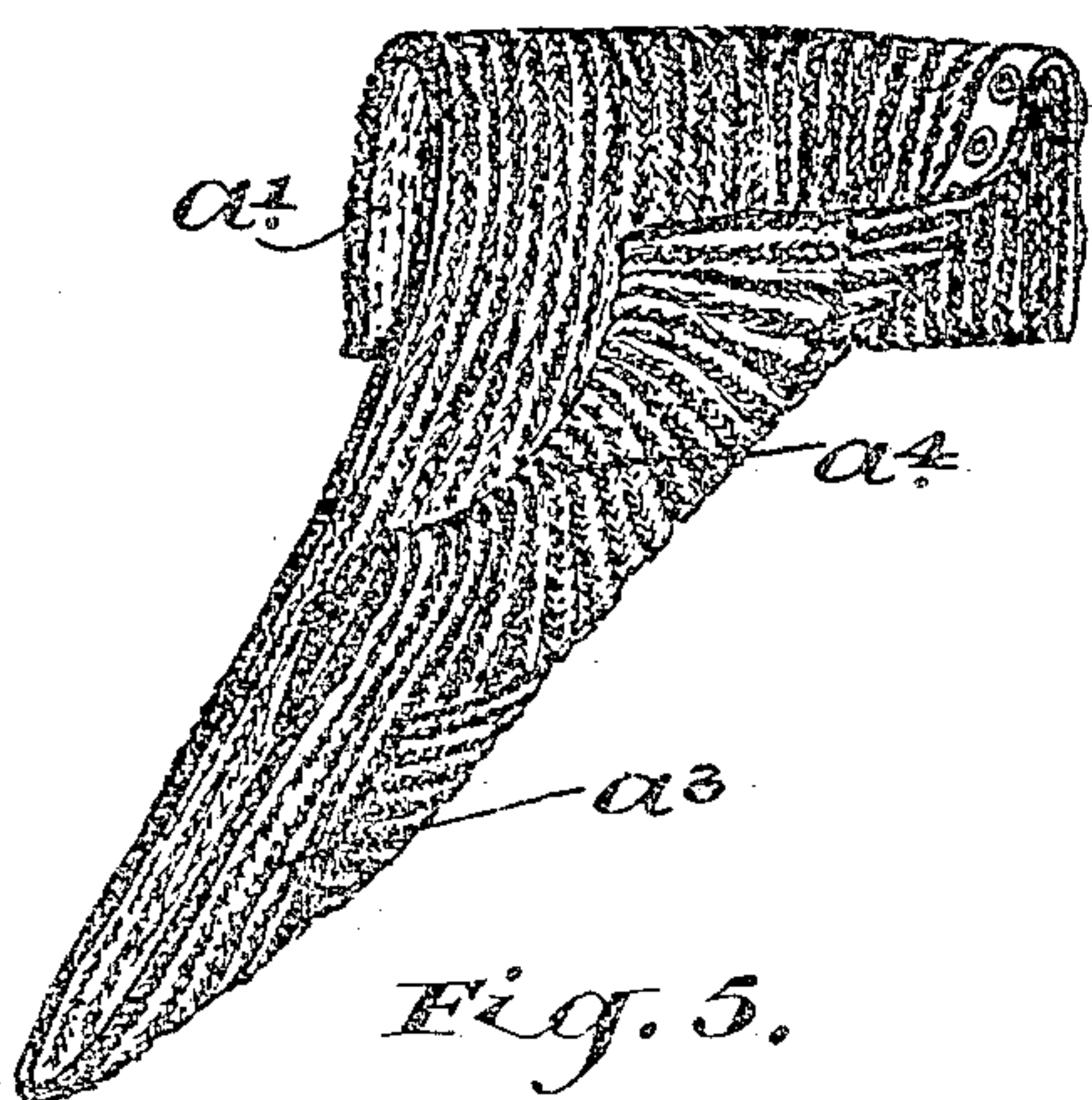


Fig. 5.

Witnesses

C. B. Sheffield

Ch. B. H.

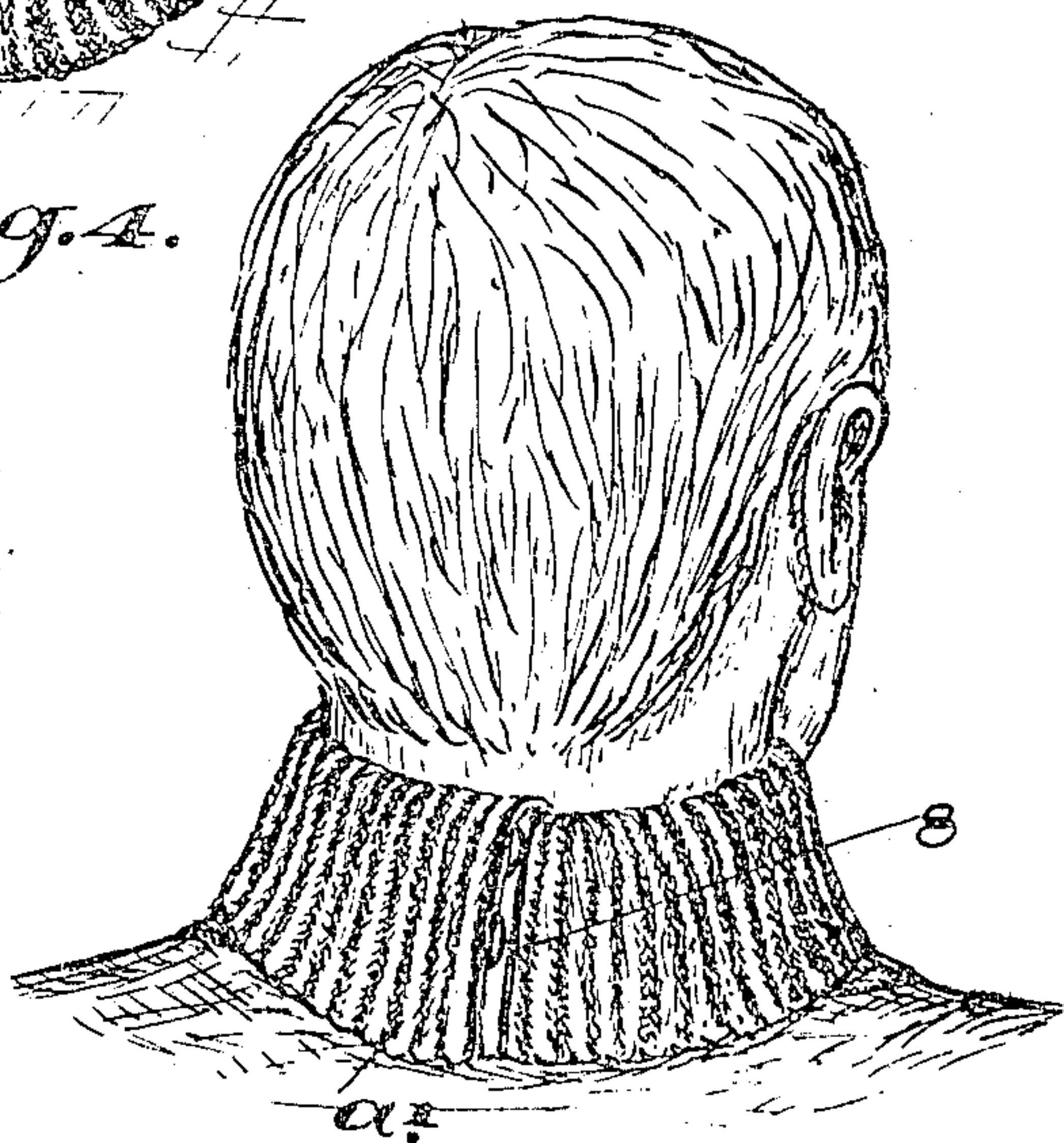


Fig. 6.

Inventor:

By B. Rautenberg,
Jesse B. Seligman & Co.

UNITED STATES PATENT OFFICE.

BERNARD RAUTENBERG, OF TORONTO, CANADA.

HEAD, FACE, AND NECK MUFFLER.

SPECIFICATION forming part of Letters Patent No. 787,945, dated April 25, 1905.

Application filed December 15, 1904. Serial No. 236,995.

To all whom it may concern:

Be it known that I, BERNARD RAUTENBERG, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Head, Face, and Neck Mufflers, of which the following is a specification.

My invention relates to improvements in head, neck, and face mufflers patented to me in the Dominion of Canada under No. 86,076 on the 22d day of March, 1904, and in the United States under No. 768,626 on the 30th day of August, 1904; and the object of the present invention is to improve the construction of the muffler so that it may be knitted by machinery with facility and also to so form the muffler that it may be placed in position on the head and neck without the necessity, as in my former muffler, of having to draw it down over the head and face; and it consists, essentially, of a hood made up of a blank with two broad ends and two narrower intermediate portions, the narrowest portion being designed to extend over the center of the top of the head and the blank being knitted with ribs running longitudinally and being designed to be folded and the edges connected together, as hereinafter more particularly explained.

Figure 1 is a perspective view of the blank as knitted. Fig. 2 is a side view of the hood when made up from the blank. Fig. 3 is a view showing the hood being utilized for a head and neck cover. Fig. 4 is a view showing the muffler being used as neck-muffler, the back portion being turned around to the front. Fig. 5 is a vertical section from front to rear of the muffler, as shown in Fig. 4. Fig. 6 is a back view of the muffler when used as shown in Fig. 4.

In the drawings like characters of reference indicate corresponding parts in each figure.

A is the knitted-fabric blank. It will be noticed that the ribs a of the knitting extend longitudinally in the blank and that such blank consists of a broad neck portion a' and a reduced intermediate portion a^2 and a still further reduced or very narrow portion a^3 , which is designed to extend over the top of the head and the face-surrounding portion a^4 .

The head is formed up, as shown in Figs. 2 and 3, the top edges 2 of the portion a^2 being connected by knitting or otherwise sewed to the side portions 3 of the narrow portion a^3 . The portion a^4 is then folded on its central line from top to bottom with the double portion on the inside and the edge 4 sewed to the edges 5 across the fabric and ribbing of the same. The portion a^4 is then knitted or sewed and shirred on to the edges 7 and 7' at each side, the edges 5 being the connecting edge and the edges 6 forming a continuation of the edges 8 of the broad or neck portion, as indicated in Figs. 2 and 3. It will thus be seen that the portion a^4 forms the circumferential face portion, which may be drawn together as closely as may be desired by means of the contracting cords B referred to in my former patents, this of course depending upon the severity of the weather. It will be noticed also that the central portion a^3 extends over the center of the top of the head. In the present form the front is divided from the face-opening to the bottom of the neck portion—that is to say, it is not knitted together. The edges 8 are further provided with two reinforcing-strips C, in which are arranged suitable fasteners, such as the spring ball-and-socket glove-fastener, whereby the two edges are connected together, as indicated in Fig. 3.

In Fig. 4 I have shown my muffler used as a neck-muffler. It will be noticed that the head portion a^2 , a^3 , and a^4 is arranged to extend over the chest, as indicated in Figs. 4 and 5, and that the neck portion a' is doubled over, as indicated in Figs. 4, 5, and 6, and the reinforcing-strips C are fastened together by the ball-and-socket glove-fastener at the back of the neck, thus making a comfortable muffler in which the chest will be amply protected. The face portion a^4 is more loosely woven than the other portions of the fabric, so that it may be drawn together as closely as desired.

What I claim as my invention is—

1. In a muffler for the head, face and neck, a blank comprising a knitted fabric having the ribs running longitudinally and divided into an end neck portion and an end face por-

tion, and reduced intermediate portions the broader portion of these being next to the neck portion and the narrower portion being next to the face portion as and for the purpose specified.

5 2. In a muffler for the head, face and neck, a blank comprising a knitted fabric having the ribs running longitudinally and divided into an end neck portion and an end face portion of such a width as to be doubled back on
10 itself, and reduced intermediate portions, the broader portion being next to the neck portion and the narrower portion being next to the face portion as and for the purpose specified.
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3. A knitted - fabric muffler having the ribs running longitudinally and comprising a broad face portion doubled back on itself, and intermediate reduced portions, the top
20 edge of the major reduced portion being fastened to the side of the minor reduced portion and the bottom edge of the doubled face portion being fastened to the sides of the

major reduced portion and to the top of the narrow portion, whereby a face-opening is
25 provided and the front divided below the face-opening as and for the purpose specified.

4. A knitted - fabric muffler having the ribs running longitudinally and comprising a broad face portion doubled back on itself, 30 and intermediate reduced portion, the top edge of the major reduced portion being fastened to the side of the minor reduced portion and the bottom edge of the doubled face portion being fastened to the sides of the major reduced portion and to the top of the narrow portion, whereby a face-opening is provided and the front divided below the face-
35 opening, and a fastening means for connecting the divided edges as and for the purpose specified.
40

BERNARD RAUTENBERG.

Witnesses:

B. BOYD,

E. B. MATTHEWS.