

L. GIBBARDT.  
Construction of Masks.

No. 152,740.

Patented July 7, 1874.

Fig: 1.

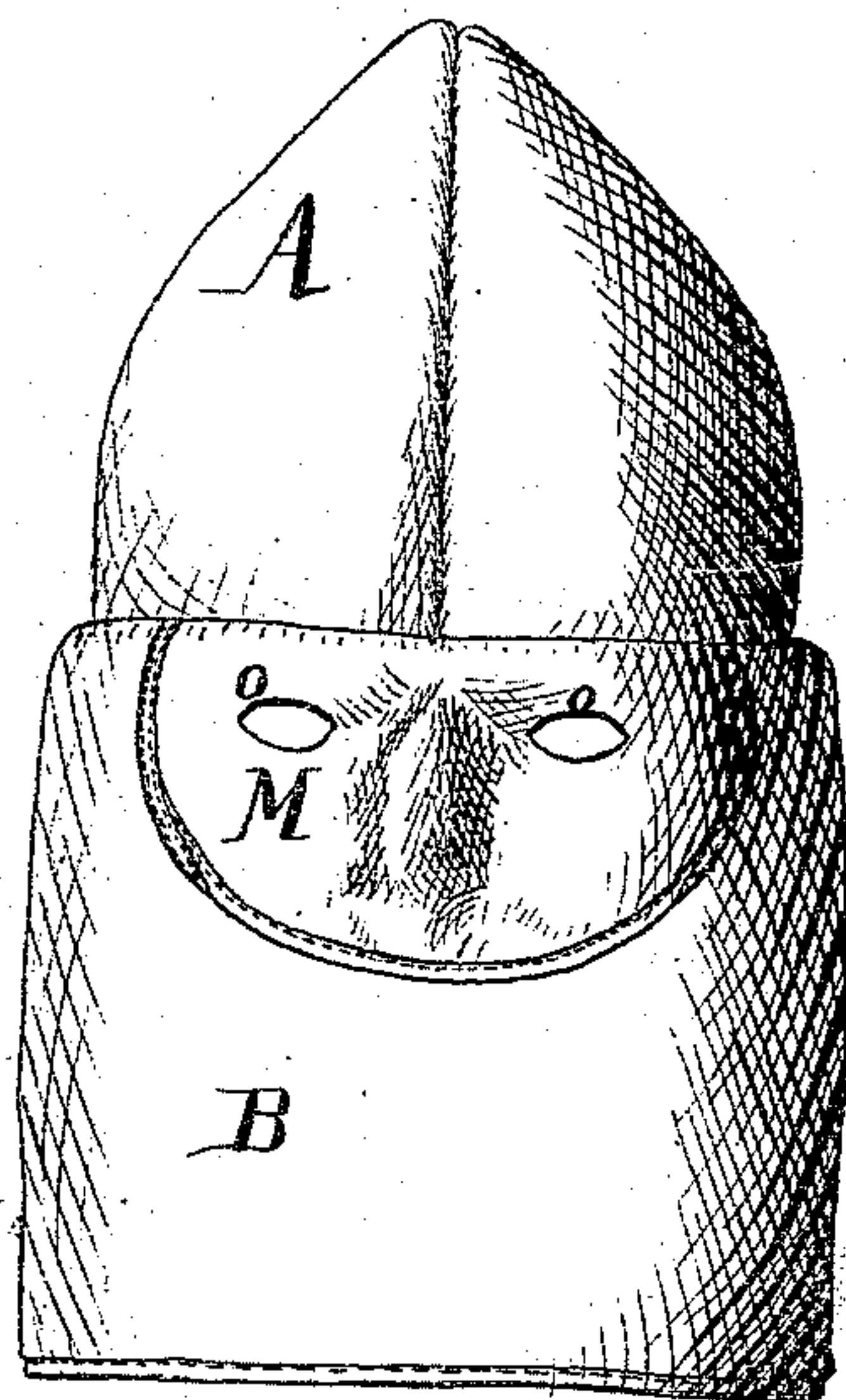


Fig: 2.

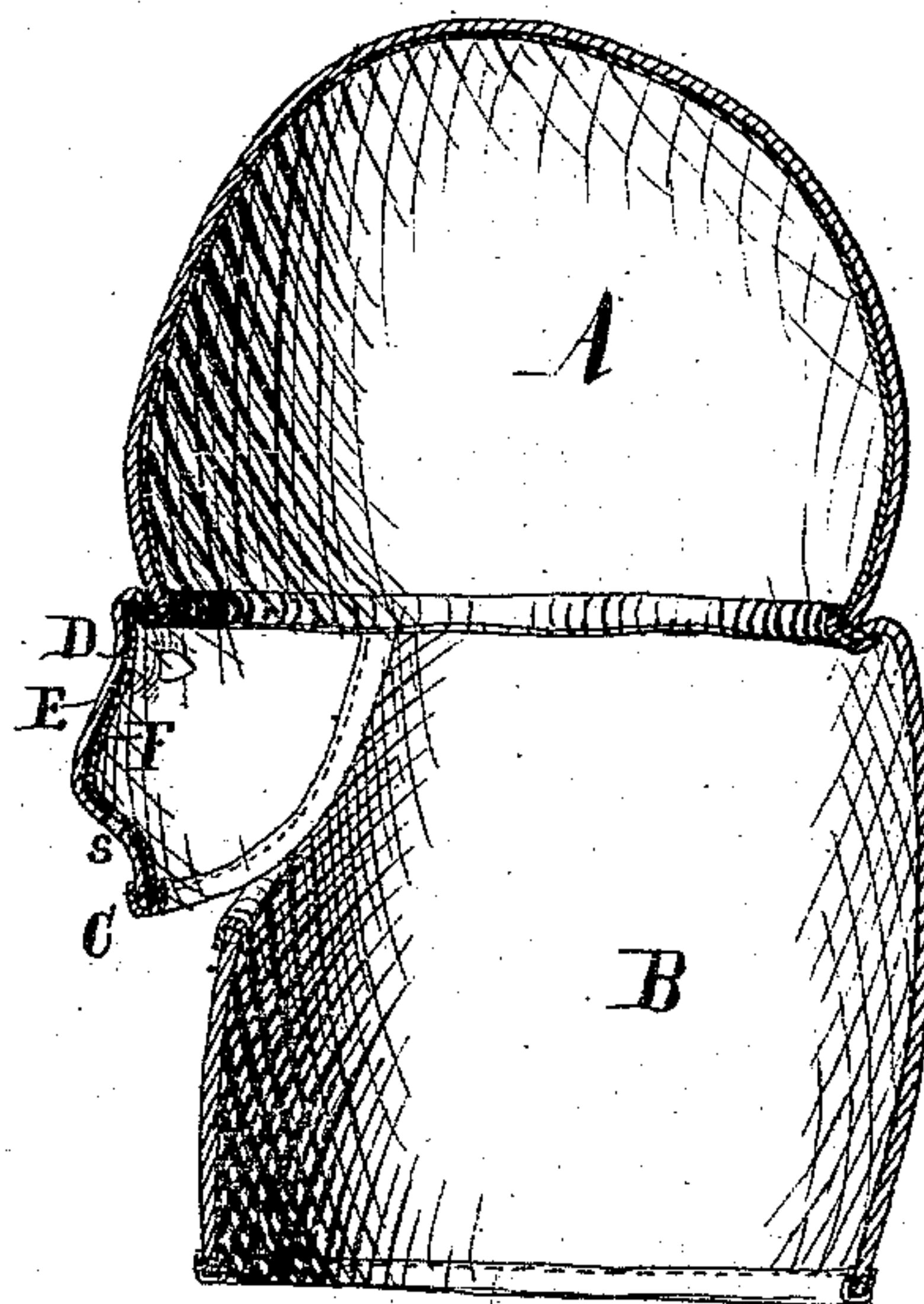
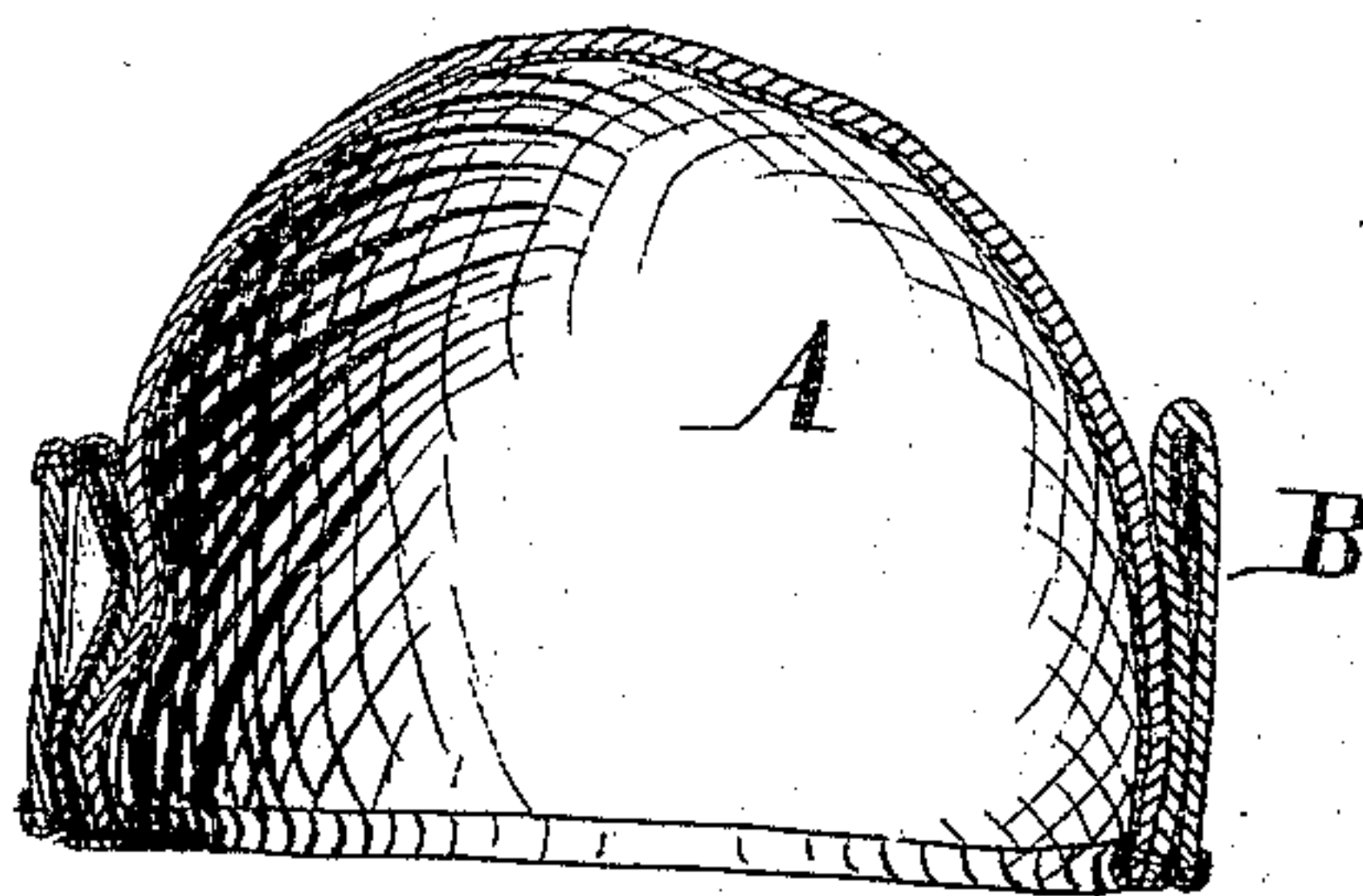


Fig: 3.



Witnesses:

*Amos P. Billhuter*  
*Henry Gontner*

Inventor:

*Leonhard Gibbardt*  
*by Vansantvoord & Hauff*  
*his atty*

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Fig: 4

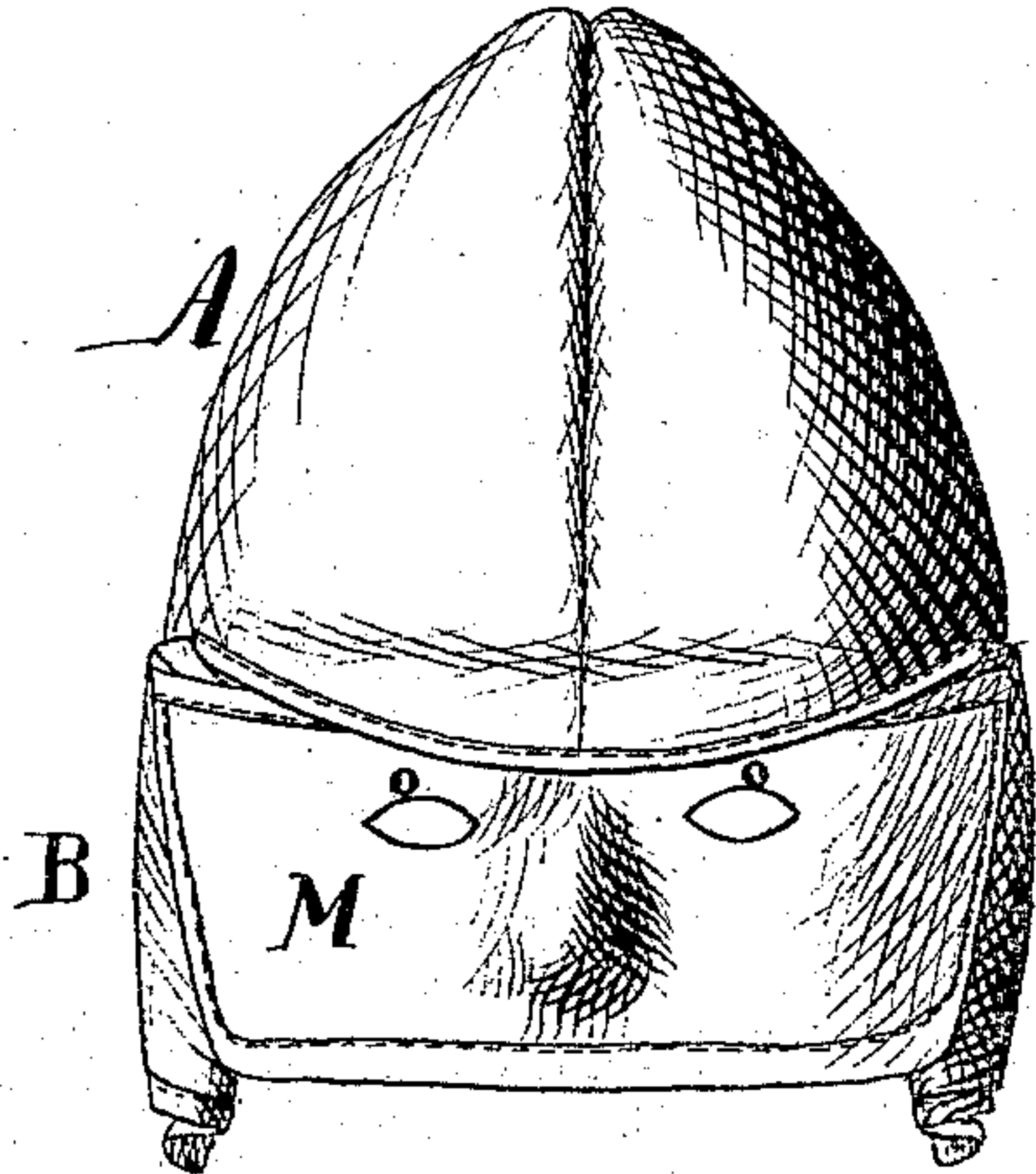


Fig: 5.

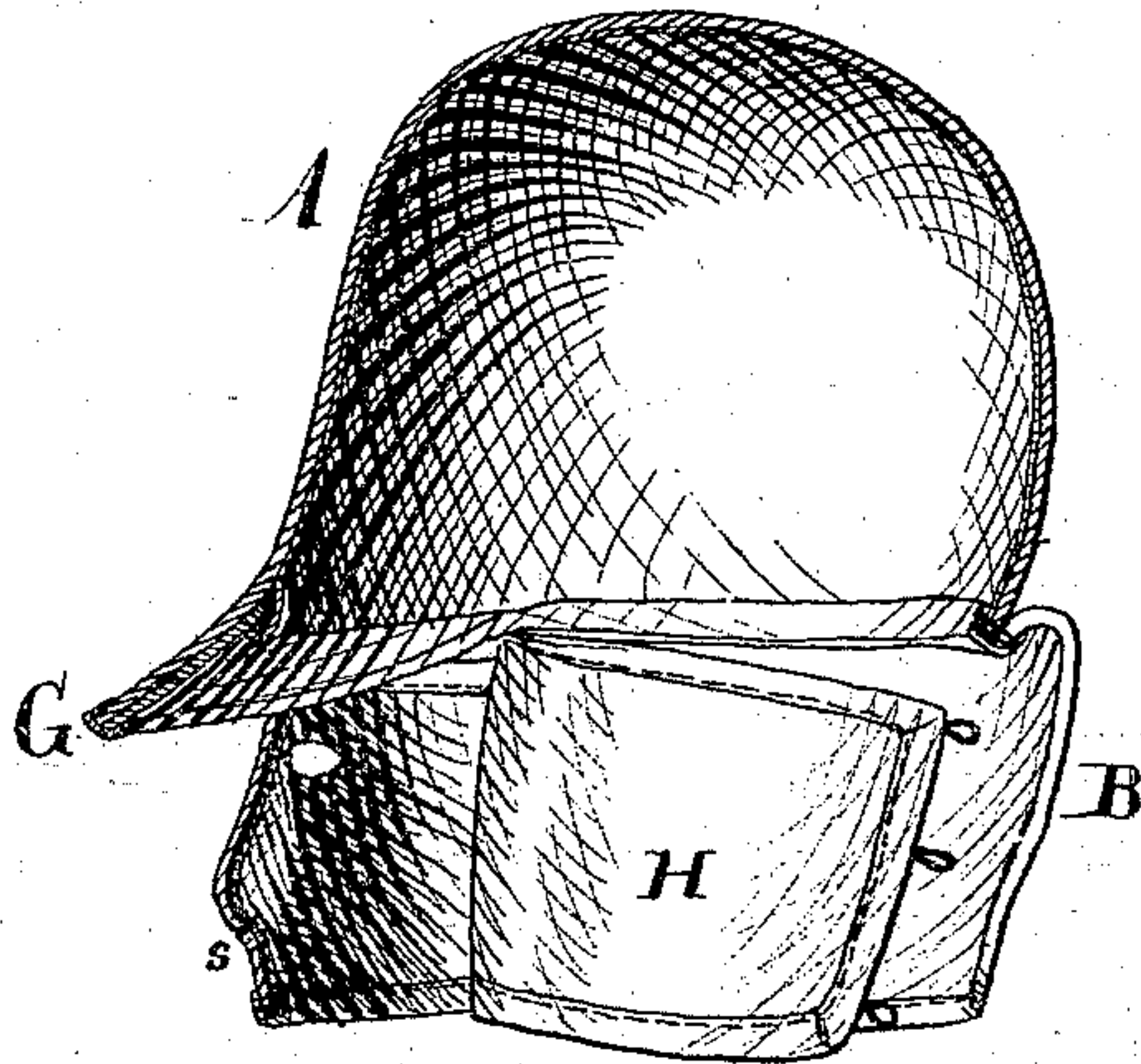


Fig: 6.

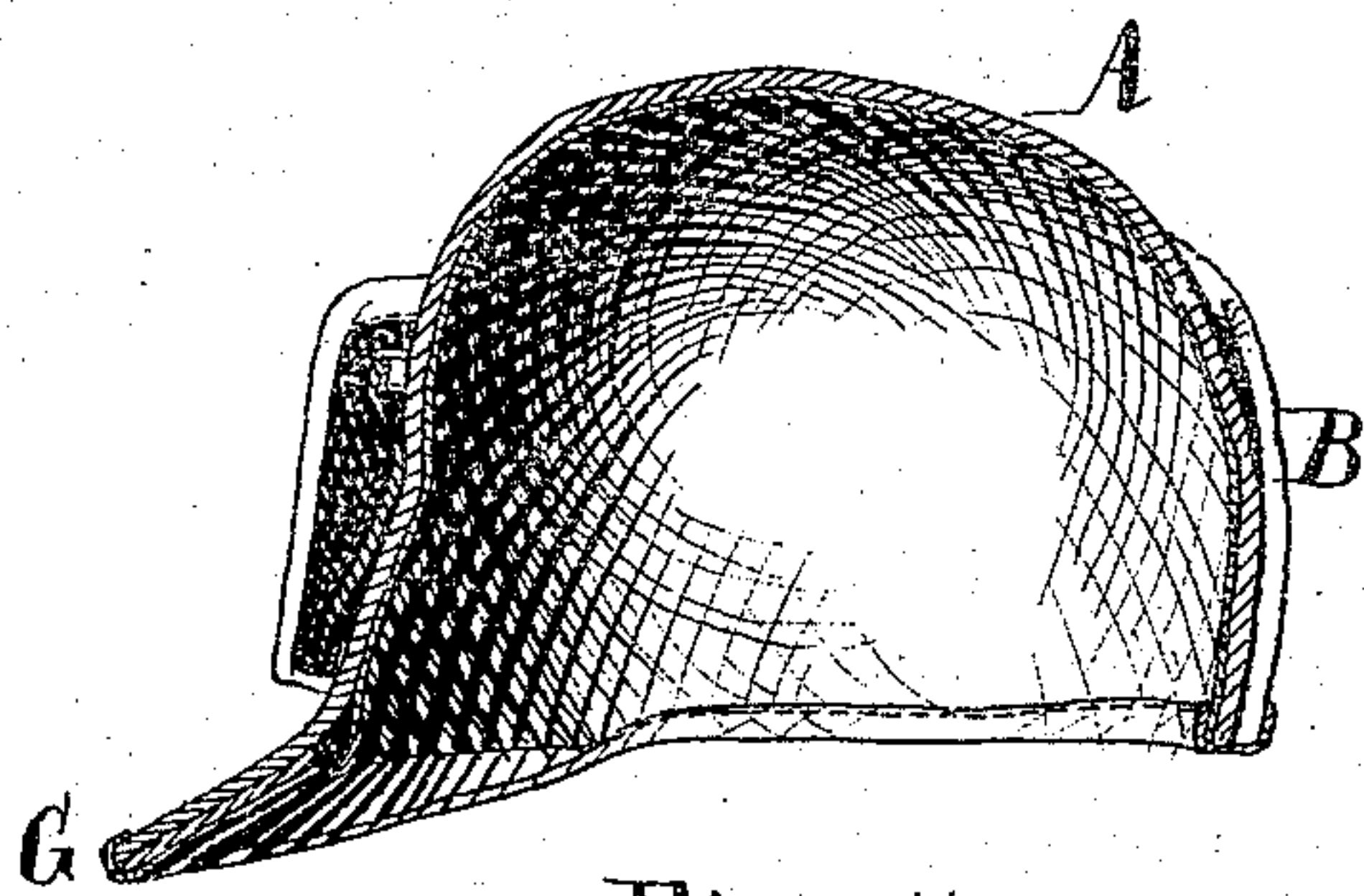
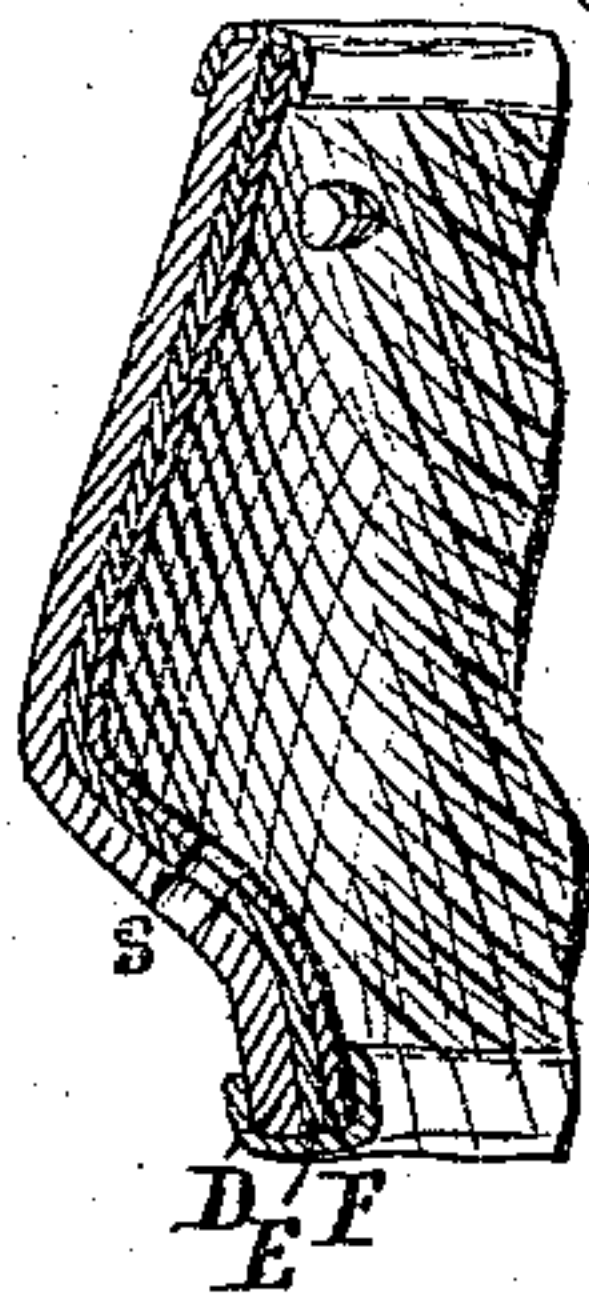


Fig: 7.



Witnesses:

*Ernst Billhuber.*

*Henry Gentner.*

Inventor:

*Leonhard Girbardt*  
*by Van Santvoord & Hauff*  
*his Atty.*



# UNITED STATES PATENT OFFICE.

LEONHARD GIRBARDT, OF NEW YORK, N. Y.

## IMPROVEMENT IN THE CONSTRUCTION OF MASKS.

Specification forming part of Letters Patent No. **152,740**, dated July 7, 1874; application filed May 14, 1874.

*To all whom it may concern:*

Be it known that I, LEONHARD GIRBARDT, of the city, county, and State of New York, have invented certain Improvements in Masks to be applied to hats and caps, of which the following is a specification:

This invention consists of a method of forming a mask to be applied to hats and caps, which is constructed of flexible material, with an interposed layer of india-rubber or its equivalent, and pressed between dies possessing the contour of the face, as will be hereinafter fully described.

Referring to the drawings, Figure 1 is a front view of a cap containing my invention, the view showing the band extended. Fig. 2 is a vertical section of Fig. 1. Fig. 3 is a like vertical section taken when the band is folded up. Fig. 4 is a front view of a cap of a different style, also containing my invention, the band being shown extended. Fig. 5 is a sectional view of Fig. 4. Fig. 6 is a like section taken when the band (in Fig. 4) is folded up. Fig. 7 is a detailed sectional view of the mask, taken through the nose part, the scale being somewhat enlarged.

Similar letters indicate corresponding parts.

In carrying out my invention, I take two pieces of flexible material, D and E, and interpose between them a thin layer or sheet of india-rubber, F, and cut the same to the proper size of the human face, and then provide apertures in the same for the eyes, after which it is subjected to pressure between heated dies

having the contour or outline of the human face, so as to impart a corresponding shape, and to produce in it the general outlines of the nose and brow and side face and chin of the human face.

The mask, constructed as above described, is designed to be attached to a hat or cap, which latter is constructed with a band, B, that will drop down, as shown in Figs. 1, 2, 4, and 5, or folded up around the base of the ears, as shown in Figs. 5 and 6.

In applying the mask, I take a portion of the front part of the band B, of sufficient extent to cover the face, and line it with a suitable lining, and interpose between the two the layer or sheet of rubber F, and then unite the lining and band, so as to confine the rubber between them. The portion selected for the mask is cut to the proper size of the human face, and the apertures for the eyes made, and then subjected to pressure.

I do not broadly claim the combination of a flexible mask with a hat or cap, for such is old; but

I claim—

The method of forming a mask of flexible material by means of interposed india-rubber, or its equivalent, and of dies possessing the contour of the face, substantially as herein described.

LEONHARD GIRBARDT.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.