

Feb. 13, 1940.

H. D. FOX

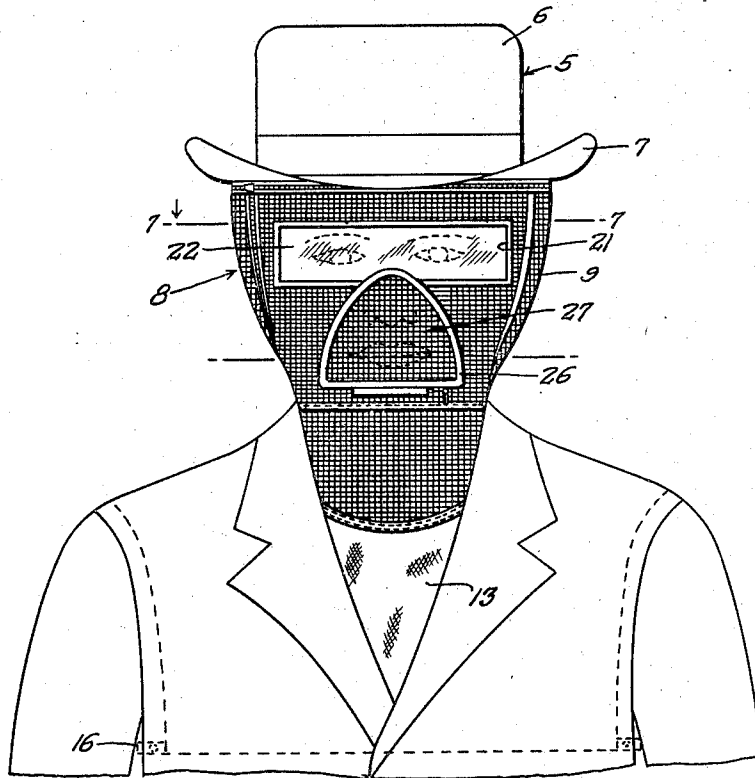
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HEAD PROTECTOR

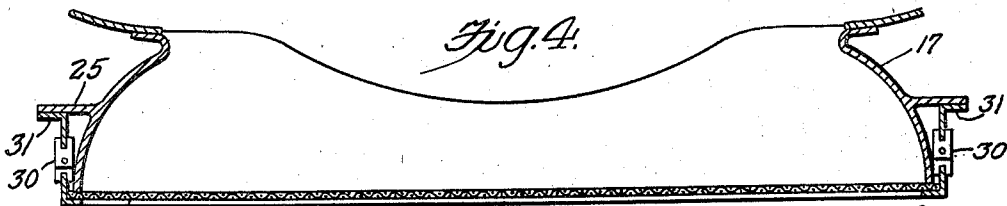
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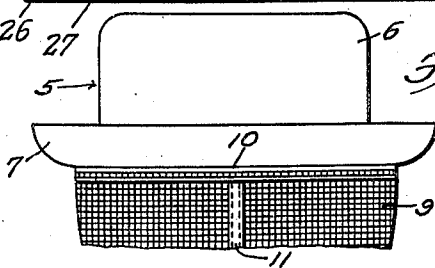
*Fig. 1.*



*Fig. 4.*



*Fig. 9.*



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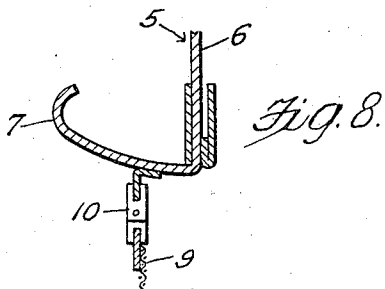
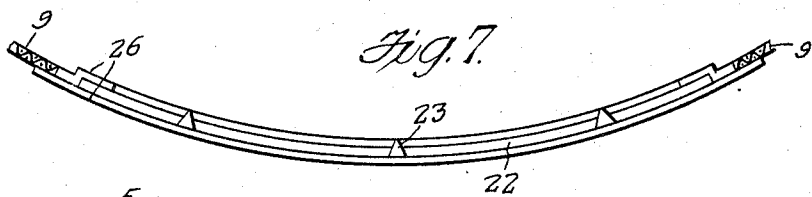
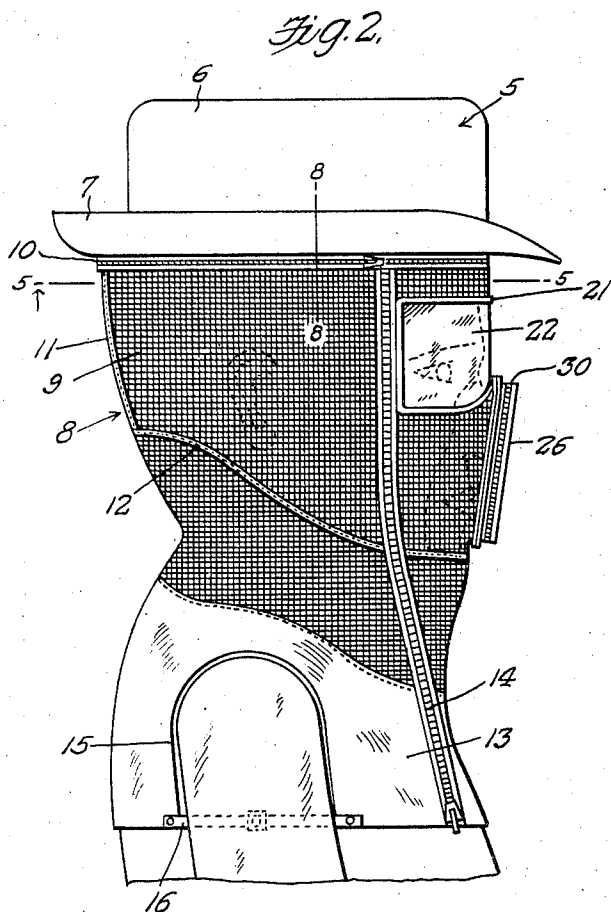
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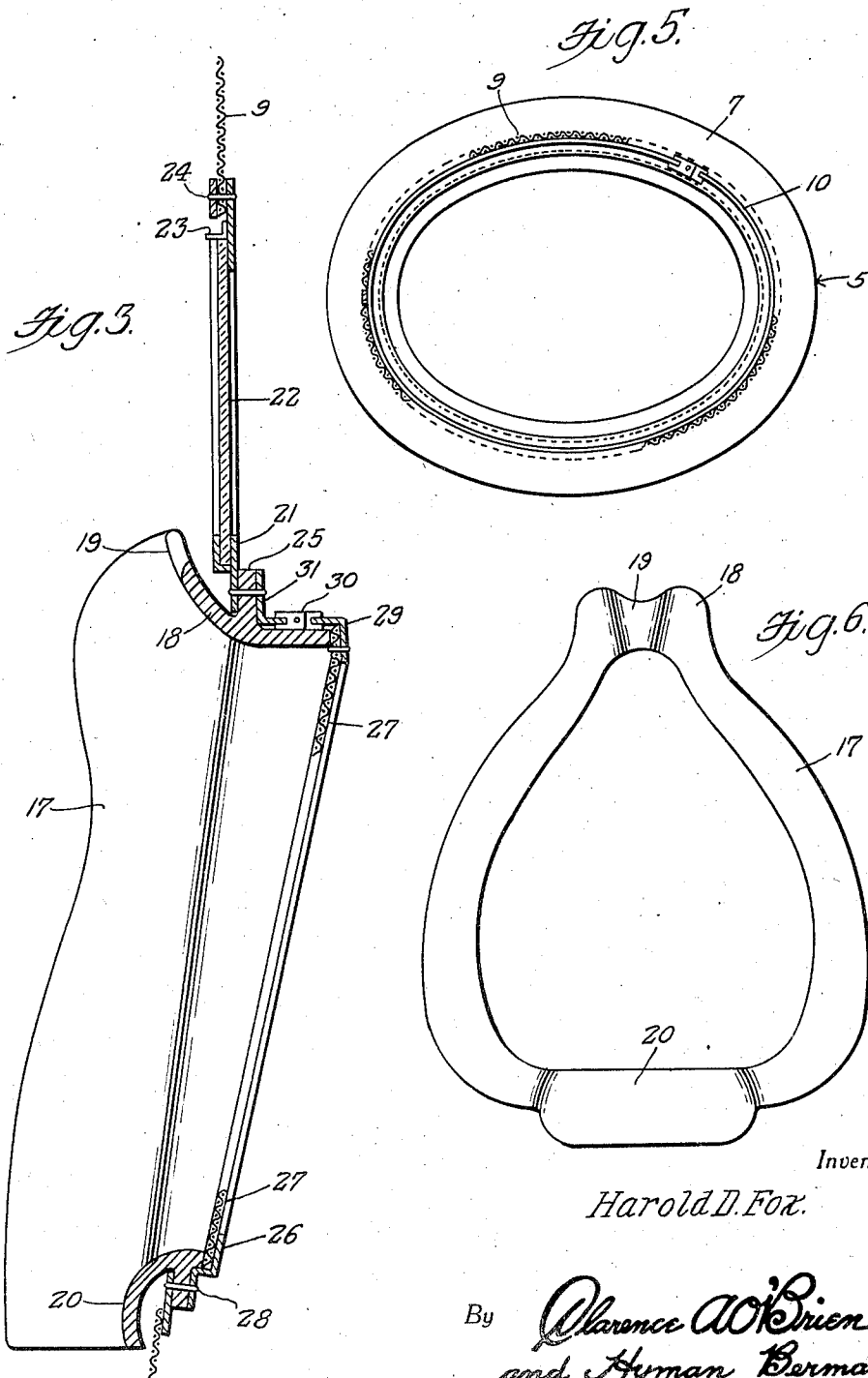
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HEAD PROTECTOR

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3 Sheets-Sheet 3



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# UNITED STATES PATENT OFFICE

2,189,892

## HEAD PROTECTOR

Harold David Fox, Pontiac, Mich.

Application July 29, 1939, Serial No. 287,421

### 1 Claim. (Cl. 2-4)

This invention appertains to head protectors for guards for protecting the face and the rest of the head against parasites, such as flies, mosquitoes, rodents and like obnoxious creatures.

5 The principal object of the present invention is to provide a head protector which will entirely encompass the head of the wearer and thoroughly protect him at all times.

10 Another important object if the invention is to provide a head protector of the character stated which can be readily adjusted in position for use and which is provided with a front closure capable of being released whenever desired to permit the wearer to have access to his nose and 15 to permit eating whenever desired without removing the protector from his head.

Other objects and advantages of the invention will become apparent to the reader of the following specification.

20 In the drawings:

Figure 1 represents a front elevational view of the outfit.

Figure 2 is a side elevational view.

25 Figure 3 is a fragmentary enlarged vertical sectional view on the line 3-3 of Figure 1.

Figure 4 is a horizontal fragmentary sectional view on the line 4-4 of Figure 1.

Figure 5 is a horizontal sectional view taken substantially on the line 5-5 of Figure 2.

30 Figure 6 is an inside elevational view of the nose and mouth frame.

Figure 7 is a fragmentary detailed sectional view on the line 7-7 of Figure 1.

35 Figure 8 is a fragmentary detailed sectional view.

Figure 9 is a fragmentary rear elevational view.

40 Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 denotes a hat structure consisting of the crown 6 and brim 7.

45 Numeral 8 generally refers to the protector which consists of a mesh encasement 9 encircling the head horizontally and being connected at its upper edge by a multiple fastener 10 such as is known on the market as a "Talon" or "Zipper", to the underside of the brim 7.

50 A vertically extending occipital reinforcing rib 11 extends vertically from the fastener 10 downwardly to the lateral reinforcing ribs 12 which extend around the mastoidal, jaw and chin portions of the structure.

55 The structure 9 is split vertically from the fastener 10 adjacent one temple of the wearer downwardly along one side of the face, entirely through the enclosure 9 and a cape structure 13

which depends from the lower edge of the enclosure 9. The edge portions of the cape and enclosure 9 are normally closed by a second multiple fastener 14.

5 The cape 13 has arm openings 15 and these openings are bridged by straps 16 which can extend under the arm-pits as disclosed in Figure 2 to prevent rising of the apron structure 13.

10 The portion of the enclosure 9 at the front thereof has an opening which is afforded for the purpose of permitting smoking, eating, etc. Inside of this opening and secured to the edge portion of the enclosure 9 is the nose and mouth frame denoted by numeral 17. This frame 17 as shown in Figure 6 has the upper constricted 15 portion 18 in which is a tapered recession 19 to accommodate the upper portion of the nose.

20 The lower portion has the indentation 20 and this is relatively broad compared with the recession 19 so as to accommodate the chin portion of the wearer.

25 A substantially rectangular-shaped frame 21 is built into the enclosure 9 just above the nose and mouth frame 17 and this frame is intended to pass in front of both eyes of the wearer and to have a pane 22 of celluloid or some other suitable transparent material installed therein and held by suitable clips 23. Suitable attaching means 24 is provided between the edge portion of the enclosure 9 and the rib 25 of the frame 17 30 for holding the window frame 21 in position.

35 A closure is provided for the front portion of the frame 17 and this consists of the frame 26 of substantially the same conformation as the frame 17 and this has the mesh filler 27. The lower portion of this frame 26 is hingedly connected as at 28 to the lower portion of the frame 17. A tape 29 extends around the frame 26 and is connected by the multiple fastener 30 to the tape 31 on the frame 17. Obviously, by actuating the slider of the multiple fastener 30, the 40 frame 26 can be unloosened so that it can be dropped down toward the chest of the wearer to permit the wearer to enjoy smoking, eating or other access to his face.

45 While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as 50 claimed hereinafter.

Having described the invention, what is claimed as new is:

55 A head protector comprising a hat structure

including a brim, a head-enclosing structure of  
foraminous material depending from the brim,  
said head-enclosing structure including a face  
section, removable connections between the face  
5 section and the head-enclosing structure proper,  
a window in the face section, a detachable con-

nection between the upper edge of the head-  
enclosing structure and the brim of the hat, a  
nose and mouth encompassing frame built in the  
face section, a movable closure for the said  
frame.

HAROLD DAVID FOX.