No. 657,369. Patented Sept. 4, 1900.

H. A. STRAUSS.

PORTABLE MOSQUITO AND FLY GUARD FOR BEDS, &c.

(Application filed Jan. 17, 1900.)

(No Model.)

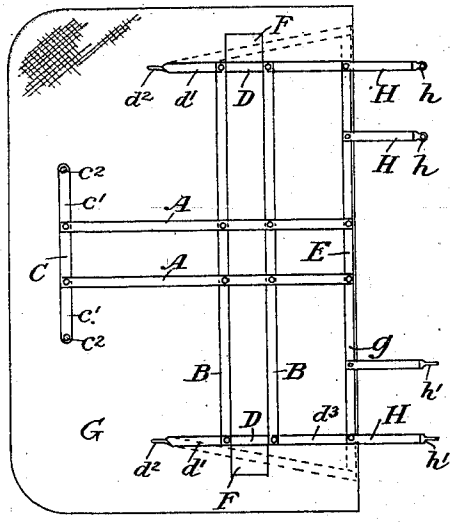


Fig. 1.

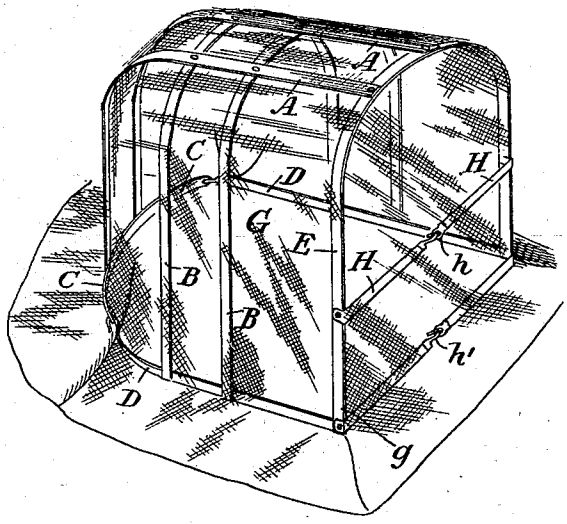


Fig. 2.

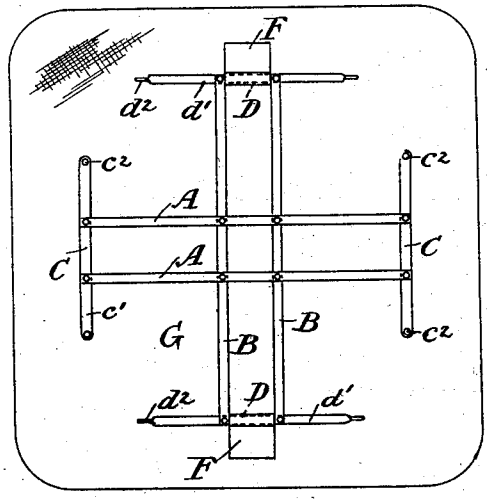


Fig. 3.

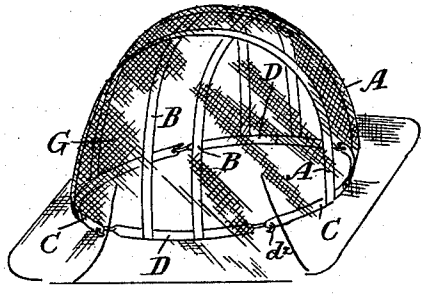


Fig. 4.

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UNITED STATES PATENT OFFICE.

HENRIETTE AUGUSTE STRAUSS, OF MELBOURNE, VICTORIA.

PORTABLE MOSQUITO AND FLY GUARD FOR BEDS, &c.

SPECIFICATION forming part of Letters Patent No. 657,369, dated September 4, 1900.

Application filed January 17, 1900. Serial No. 1,862. (No model.)

To all whom it may concern:

Be it known that I, HENRIETTE AUGUSTE STRAUSS, a subject of the Queen of Great Britain, residing at 15 Raven street, Studley Park, Melbourne, in the Colony of Victoria, have invented certain new and useful Improvements in Mosquito-Guards and the Like; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention provides a guard which may be set in the shape of a small dome or hood to be placed on the bed over the occupant's head to protect the face from flies, mosquitos, and similar insects. The guard is designed so that it may when not in use be laid out flat or be rolled. It may thus be carried by a traveler or conveniently put aside when not in use.

In order to make the invention clear, I will now refer to the accompanying sheet of drawings, which illustrate the invention.

Figure 1 is a plan view of the appliance extended. Fig. 2 is a perspective view of the canopy, same being drawn to a larger scale in respect to Fig. 1. Fig. 3 is a plan view of a modified form of a frame. Fig. 4 is a perspective view of same in position for use.

Two pieces of thin flexible steel A A are placed parallel with one another. Across the end of these parallel strips is laid at right angles to same a similar strip C, having its ends c' projecting beyond said parallel strips and having eyelet-holes c^2. The strip C is secured to the strips A A, preferably by rivets. A corresponding pair of parallel strips B B are arranged to lie across and at right angles to the strips A A, the ends of which have the cross-pieces D D (at right angles to B B) attached. These cross-pieces D D correspond somewhat with the cross-piece C and have projecting ends d', with hooks d^2, which when the frame is to be set for use engage with eyelets c^2. The opposite projecting portions d^3 and the ends of the strips A A have a strip E secured to them. A piece of cloth material F is attached to each of the cross-pieces D D, the object of same being to provide a means whereby the guard can be pinned to the clothes of the bed and so kept in its proper position. The steel piece E has strips H of tape or the like secured at intervals along it and arranged so that when the frame is turned into its dome or canopy form the tapes will lie opposite to and in line with each other. The tapes on the one side of piece E are provided with eyelets h at their ends and the tapes opposite the same are provided with hooks h' at their ends to engage in the said eyelets. The frame aforesaid is covered with mosquito-netting, gauze, or similar material G and which is secured thereto, the edge of the net g being turned around and secured to the strip E. The covering G must be sufficiently large to extend beyond the frame on the other three sides. The guard so constructed may be readily set into the dome form by bending the ends of B B and ends of A at cross-piece C. The end cross-pieces C and D will thus come together and the hooks d^2 may be passed into the eyelets c^2, so as to hold this portion of the frame in position. The strip E will be bent into arch form and the hooks of the tapes on the one side may be made to engage with the eyelets on the opposite tapes, so as to hold this portion of the frame. The arched front opening thus formed is closed in with gauze or netting secured to the strip E, such portion being arranged to extend outwardly at bottom when guard is set in position.

This guard is especially adapted for the use of invalids, as it does not rest at all upon the person or invalid using it, and to better obtain this effect the lower strap might be set at a higher level than is illustrated.

The base of the frame is incased in lining to protect the clothes it rests upon from rust. The strips D of the frame, Fig. 1, may be set at an angle to the strips B B, as indicated at dotted lines, Fig. 1. This construction gives an increased height to the arch at front of hood. Half the base of the construction shown in Fig. 1 will be semicircular and the other half rectangular; but it will be obvious that the whole base might be made in the form of a circle by making both halves of the frame illustrated on Fig. 1 to correspond with the left half of that figure. I have illustrated this carried out in Fig. 3 in plan and in dome

form in Fig. 4; but as the parts correspond exactly with the left half of the construction shown in Figs. 1 and 2 they require no further description.

It will readily be understood that flexible material other than steel might be employed in the construction of the frame and that fastenings other than hooks and eyes might be employed to hold the construction in its dome form.

Having thus described my invention, I claim—

1. A mosquito and fly guard comprising flexible cross-strips A, B and end cross-strips secured together, such frame being covered with netting, means for securing the frame into dome form and of releasing same substantially as described.

2. A mosquito and fly guard comprising flexible strips A, A cross-strips B, B and end cross-strips C, D secured together forming a flat frame, a network-covering upon said frame, and means for fastening the adjacent end strips together to form a dome-like construction and of releasing same at will substantially as described.

3. A mosquito and fly guard comprising flexible strips A, A transverse strips B, B and end cross-strips C, D, D, E respectively engaging each other, forming a flat frame, means for securing the end strips C and D together to form a dome and of securing the strip E in arch form and of releasing same at will, a network-covering inclosing the frame and having extended portions at the base thereof, as and for the purpose set forth.

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