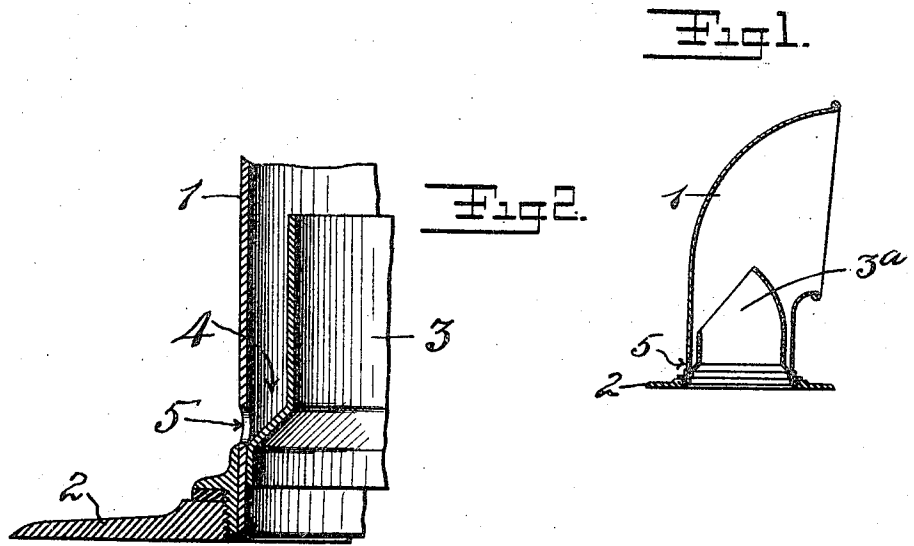


A. CHRISTEN.
SHIP VENTILATOR.
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1,818,312.

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SHIP-VENTILATOR.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT CHRISTEN, a citizen of the United States of America, residing at New York city and State of New York, have invented a new and useful Ship-Ventilator, of which the following is a specification.

My invention relates to ship ventilators, the object being to provide means to prevent the driving of rain or spray through the ventilator down in the cabin, engine room, or below decks.

In the drawings:

Figure 1 is a vertical section partly in elevation of my improved ventilator.

Fig. 2 is a relatively enlarged sectional view of the rear side of the ventilator near the deck.

1 represents the main body of the ventilator which is of conventional design having the usual round or oval open front into which air driven by movement of the vessel. The body portion also has the usual downwardly extending tubular portion, or neck, which acts to conduct the air down below decks.

Any suitable means may be provided for mounting the ventilator on the deck or cabin. One well known means comprises an annular deck flange 2 around a deck opening into which flange the neck of the ventilator may be screwed.

Within the ventilator I secure means which serve to catch any water which may run down the inner wall of the ventilator, which water, so caught, will drain out, instead of being permitted to drip into the cabin. In the drawing this catch-water device is in the form of an annulus 3^a secured within the neck of the ventilator in such a manner as to form a trough 4, which is preferably annular. The annulus 3^a is relatively contracted at its upper portion so that its diameter is somewhat less than the diameter of the adjacent portion of the ventilator neck. The lower part of said annulus 3^a is expanded so as to fit tightly into the surrounding wall of the ventilator neck, wherein it is secured, in such a manner as to make a water-tight joint. The manner of securing the annulus 3^a within the ventilator body is immaterial so long as a proper

joint is effected. The front portion of the annular catch-water device 3^a is made higher than the rear portion so as to check a driving spray.

5 is the drain outlet for the lower part of the trough 4, said outlet being preferably at the rear side of the ventilator neck so that there will be no draft of air to interfere with the free drainage of water accumulating in the trough. Of course the particular location and number of the drain outlets 5 is immaterial, broadly speaking, but I prefer to arrange them in such a manner as to not interfere with free drainage action.

Operation: From the foregoing, it will be seen that as the boat or vessel upon which the ventilator is mounted drives ahead, any rain or spray which enters the open front of the ventilator will enter at such an angle as to strike against the front wall of the part 3^a and the rear wall of the part 1, down which walls it will run until it enters the trough 4 whereby its further descent through the ventilator will be checked and from which it will readily drain.

It should be understood that I contemplate that various changes in design and details may be made without departing from the spirit and scope of this invention.

I claim:—

1. In a ventilator of the character described, a main body having an air receiving opening at the front and a descending neck, an annular catch water device secured within the descending neck and forming a gutter around the inner wall thereof, the front wall of said device toward said air-receiving opening being higher than the rear wall, said gutter having a drain outlet.

2. In a ventilator of the character described, a main body having an air-receiving opening at the front and a descending neck, an annular catch-water device secured within the descending neck and forming a gutter around the inner wall thereof, the air-opening into the upper end of said annular catch-water device being at the rear of and below the front wall thereof and a drain outlet for said gutter.

ALBERT CHRISTEN.