

May 22, 1934.

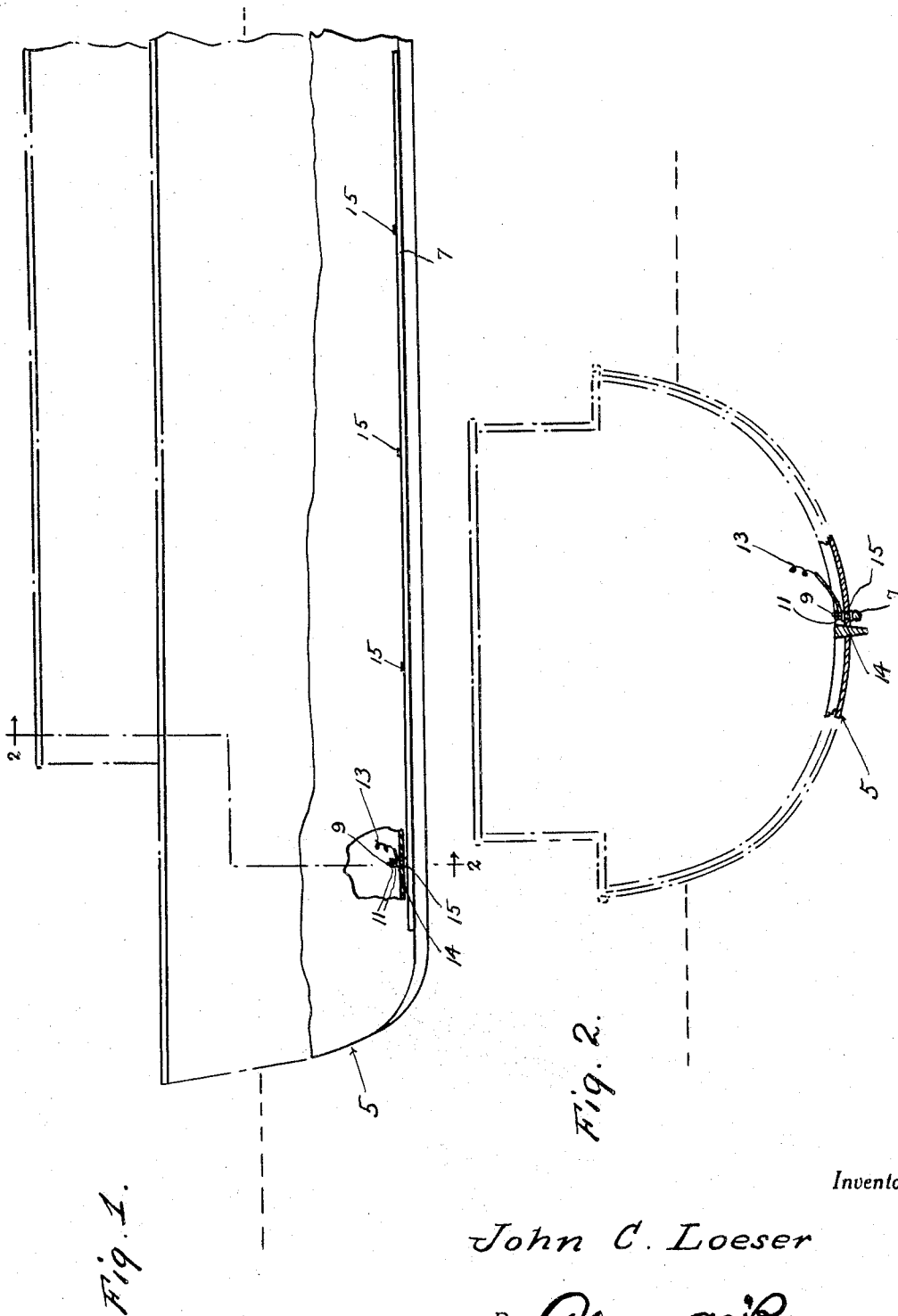
J. C. LOESER

1,959,982

STATIC ELIMINATOR

Filed Feb. 7, 1933

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 3.

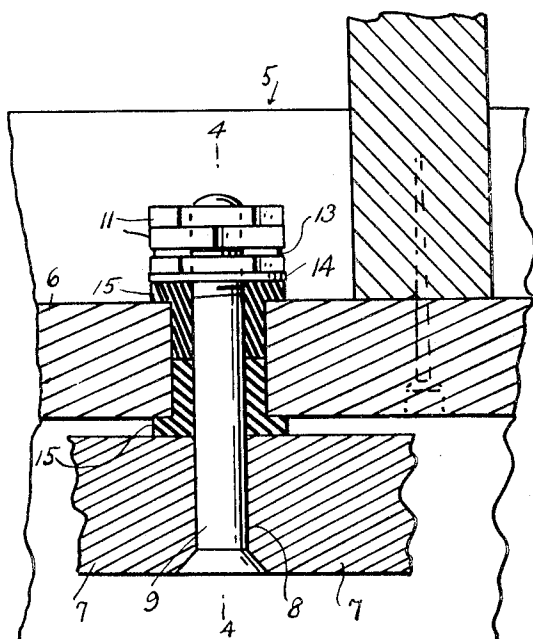


Fig. 4.

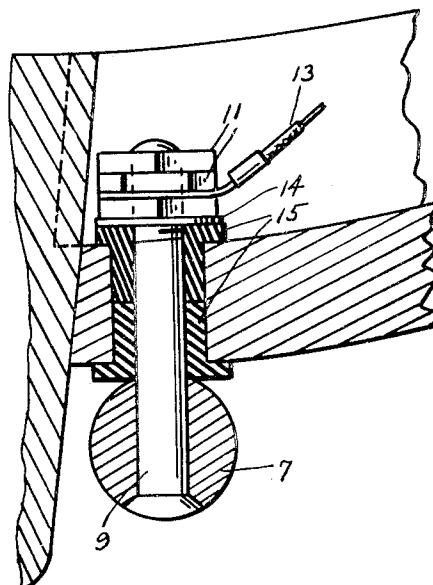


Fig. 5.

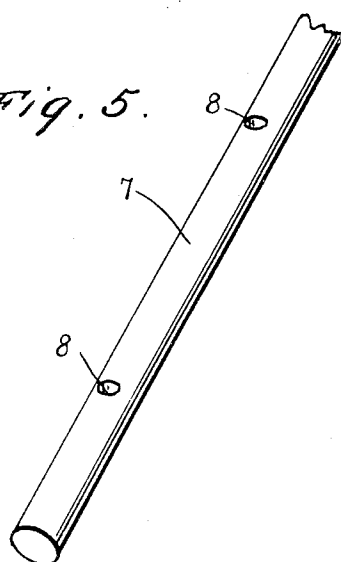


Fig. 6.

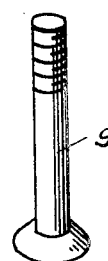
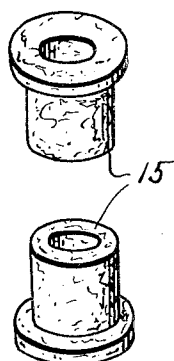


Fig. 7.



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UNITED STATES PATENT OFFICE

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STATIC ELIMINATOR

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Application February 7, 1933, Serial No. 655,675

3 Claims. (Cl. 175-264)

This invention appertains to means for eliminating static from machinery and more particularly to fittings and other details of marine vessels.

3 An important object of the invention is to provide means for installation on marine vessels for eliminating static in a positive and economical manner.

10 These and various other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

15 Figure 1 represents a fragmentary side elevational view of a vessel showing the eliminator installed therein.

Figure 2 represents a fragmentary transverse sectional view through a vessel showing the installed device.

20 Figure 3 represents a fragmentary enlarged detailed sectional view showing one of the connectors.

Figure 4 represents a sectional view taken substantially on the line 4-4 of Figure 3.

25 Figure 5 represents a fragmentary perspective view of the discharge bar.

Figure 6 represents a perspective view of one of the bolts.

30 Figure 7 represents a perspective view of one of the insulating sleeves showing the sections thereof apart.

Referring to the drawings wherein like numerals designate like parts, it can be seen in Figure 1, that numeral 5 represents the hull of the vessel, the same being provided with the usual planking or plating 6 as is clearly shown in Figures 3 and 4.

35 In carrying out the present invention, it can be seen that an elongated conductor element 7 of any desired extent and cross section is provided with openings at spaced intervals 8 through which bolt members 9 can be disposed. These bolt members 9 extend upwardly through the planking or plating 6 and binding nuts 11 are employed on the upper threaded end thereof for retaining the terminal 12 of conductor 13. 45 A washer 14 is interposed between these nuts

and the planking or plating 6 and as is clearly shown in Figure 4, the planking or plating is bored to receive a packing sleeve 15 of frictional construction, which surrounds the bolts 9 in the manner as substantially shown in Figure 4 as well as in Figure 3. 60

It can thus be seen that static developing in any details of the boat mechanism, fittings or parts can be carried off by way of the wire 13 and bolt 9 to discharge into the water by way of the bar 7. 65

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and material as well as location in or on the hull may be resorted to without departing from the spirit or scope of the invention as claimed hereinafter. 70

What is claimed as new is:

1. In combination, a marine vessel, a static eliminator for the vessel, said eliminator comprising a conductor member secured to the outside of the boat below the water line thereof, a member extending from the conductor member through the hull of the boat and a lead from said last mentioned member to extend to parts of the boat and machinery therein, and an insulating sleeve surrounding the said member extending through the hull. 75 80

2. In combination, a marine vessel having a keel, a static eliminator for the vessel, said eliminator comprising a conductor member secured to the boat adjacent the keel and extending longitudinally of the boat, a member extending from the conductor member through the hull and terminating on the inside of the boat and a lead extending from the said last mentioned member to attach to metallic parts inside of the vessel. 85 90

3. In combination, a marine vessel, a static eliminator for the vessel, said eliminator comprising a conductor member secured to the outside of the vessel below the water line thereof, said vessel containing metallic parts, and a conductor leading from the internal metallic parts of the vessel to the said outside conductor. 95 100

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