

(No Model.)

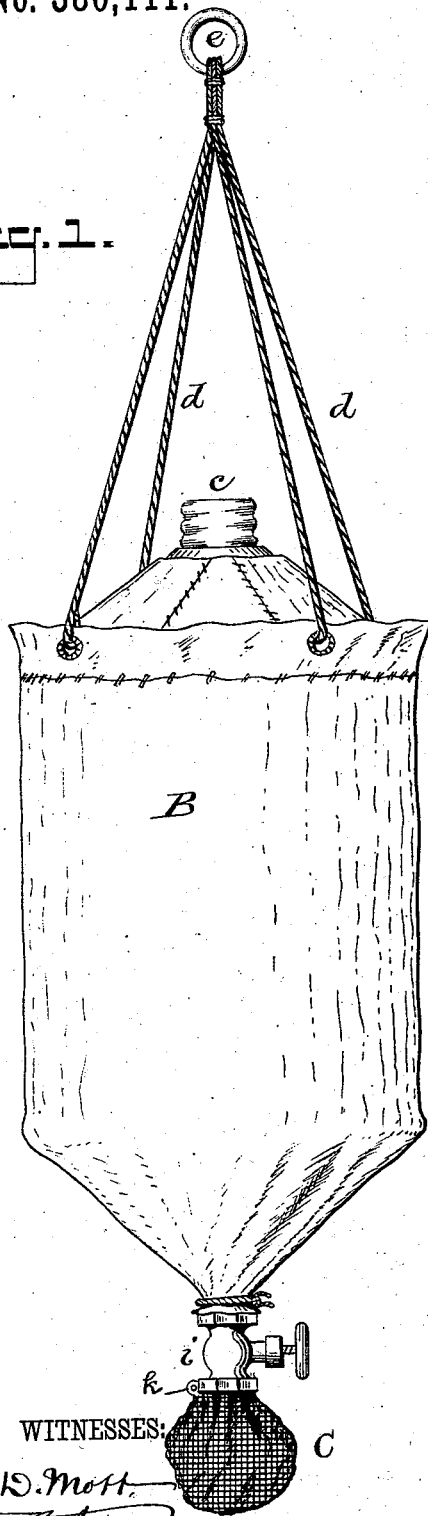
J. I. HAZARD.

OIL DISTRIBUTING DEVICE FOR SEA GOING VESSELS.

No. 380,111.

Patented Mar. 27, 1888.

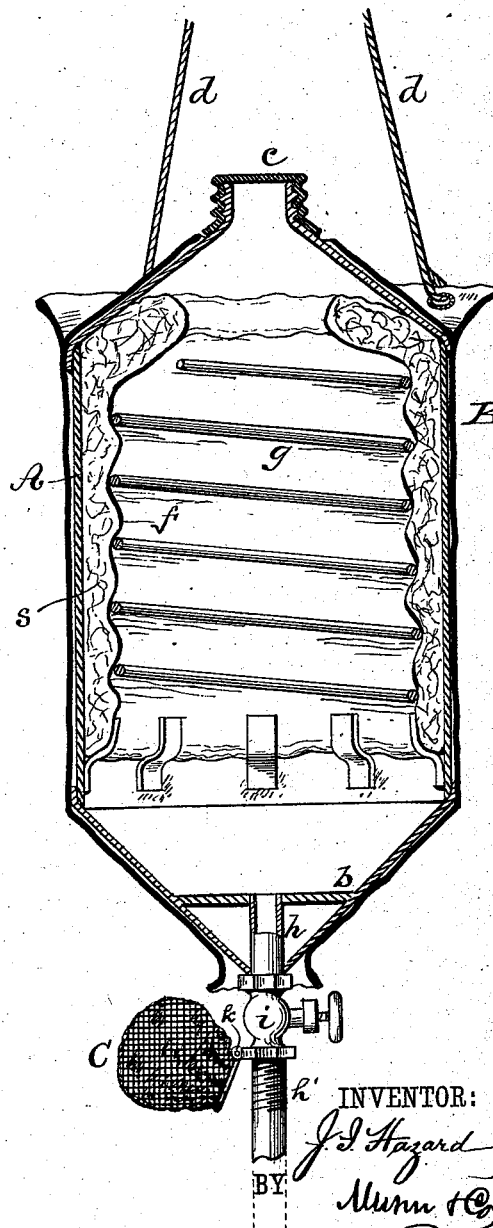
Fig. 1.



WITNESSES:

D. D. Mott.
C. Sedgwick.

Fig. 2.



INVENTOR:

J. I. Hazard

BY

Mum & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JONATHAN I. HAZARD, OF GEORGETOWN, SOUTH CAROLINA.

OIL-DISTRIBUTING DEVICE FOR SEA-GOING VESSELS.

SPECIFICATION forming part of Letters Patent No. 380,111, dated March 27, 1888.

Application filed January 28, 1888. Serial No. 262,243. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN I. HAZARD, of Georgetown, in the county of Georgetown and State of South Carolina, have invented
5 new and useful Improvements in Oil-Distributing Devices for Sea-Going Vessels, of which the following is a full, clear, and exact description.

This invention relates to devices used by
10 sea-going vessels during stormy weather and in high seas for breaking the waves or quieting the water by the distribution of oil in or on the surface of the water; and it consists in an oil-distributor of novel construction, substantially as hereinafter described, and pointed
15 out in the claims, whereby not only cheapness and simplicity are combined with durability in the construction of the device, and non-liability of the same to get out of order,
20 but the flow of oil from the distributor may be regulated with ease and precision to give either a copious stream or gradual and variable outflow as circumstances may require, and the consumption of oil economized.

25 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

30 Figure 1 represents a view in elevation of the device as seen from its exterior, and Fig. 2 a vertical section of the same.

A indicates a can, preferably constructed with upper and lower tapering ends, and in or near the bottom of which is a diaphragm,
35 b, while its top is closed by a screw-cap, c, that is removed when charging the distributor with oil. This can is clothed externally with a protecting canvas or other like flexible wrapper, B, to which cords d, terminating in
40 a ring, e, above, are attached for suspending the distributor when not in use and for manipulating or suspending it outside of the vessel when used to quiet the water through which the vessel is sailing. Said can is also
45 fitted internally with a body-lining, f, of canvas or other like porous and flexible material, supported internally by a coiled wire, g, and having any suitable soft and absorbent material, s, interposed between it and the body of
50 the can A, alike for the retention of the oil

and also as an additional protection to the can to restrain it from being bent or injured when coming in contact with any hard object or surface.

Arranged to pass out through the lower 55 end of the can and up to or through the diaphragm b, which is suitably apertured for the purpose, is a pipe, h, fitted with a cock or valve, i, outside of the lower end of the can, and hinged, as at k, outside of the can, at the 60 bottom of the pipe h, is a strainer or sieve, C, arranged so that when shut to, as shown in Fig. 1, it covers the lower exposed end of the discharge pipe or nozzle h, but which is capable of being swung back, as shown in Fig. 2, 65 when a small extension-pipe, h', may be screwed into the lower end of valvular nozzle h to distribute the oil in a more or less fine stream. The object of the strainer or sieve C is to make the distribution of oil more gen- 70 eral or diffused than is possible by the pipe h'.

The can being charged with oil, the valve i is opened when using the distributor, so as to provide for a small flow or discharge of the oil into or on the water outside of the vessel, 75 and the strainer C being applied, operates to make the outflow a gentle or dripping one. If a more copious discharge of the oil be required—as, for instance, in the case of a very rough sea—the strainer C may be thrown back to one side 80 of the pipe h, as shown in Fig. 2, and the valve i be adjusted to pass out the oil through the nozzle h by the attached pipe h' in a steady stream. The valve i may be adjusted to give a variable outflow, as circumstances may re- 85 quire, and the outflow be regulated to the greatest nicety with ease and precision.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device for distributing oil on water 90 for sea-going vessels, the can A, provided with a flexible protecting and suspension clothing or covering, B, in combination with the lining f, absorbent fillings, and discharge pipe 95 or nozzle h, fitted with a hand-valve, i, substantially as specified.

2. The combination, with the can A, having a lower diaphragm, b, of the discharge pipe or nozzle h, having a hand-valve i, and 100

the screen or sieve C, laterally hinged to said nozzle below said valve, essentially as and for the purposes herein set forth.

3. The combination, with the can A, having a lower discharge pipe or nozzle, *h*, and hand-valve *i*, of the absorbent filling *s* upon the interior of said can, the flexible lining *f* upon the inner side of the absorbent filling,

and the coiled wire *g*, arranged to internally support said lining throughout its length, substantially as shown and described.

JONATHAN I. HAZARD.

Witnesses:

G. R. CONGDON,

B. I. HAZARD.