

C. D. DURKEE.
SUCTION PUMP TERMINAL.
APPLICATION FILED SEPT. 3, 1907.

954,269.

Patented Apr. 5, 1910.

Fig. 1.

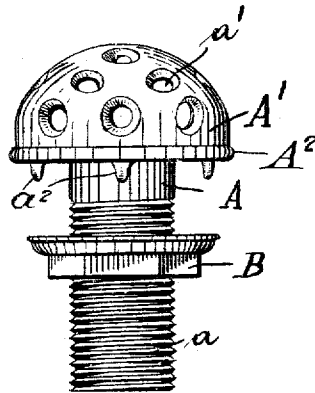
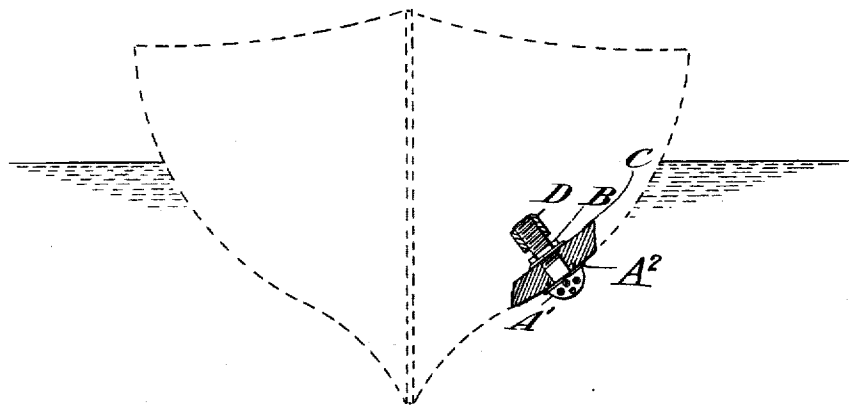


Fig. 2.



WITNESSES

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SUCTION-PUMP TERMINAL.

954,269.

Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed September 3, 1907. Serial No. 391,024.

To all whom it may concern:

Be it known that I, CHARLES D. DURKEE, a citizen of the United States of America, and a resident of New York, in the county and State of New York, have invented a certain new and useful Suction-Pump Terminal, of which the following is a specification, the same being a full, clear, and exact description of the invention, such is will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a combined connection and strainer which may be used primarily for a pump fitting for a boat, and in which are embodied certain novel features of combination and arrangement of parts, of simple construction and efficient in operation, all of which will be hereinafter specifically described and fully illustrated in the drawings which represent an embodiment of my invention, and in which—

Figure 1 is an elevation of my suction pump terminal, and Fig. 2 is a view, partly in section, showing the same attached to its support.

Like letters of reference indicate like parts in both the views.

My combined connection and strainer and pump and terminal is preferably made of cast metal and is of a general mushroom shape, and consists ordinarily of a hollow, hemispherical head A' provided on its circumference with a number of ordinarily flaring outlets or passages a' , which are practically radially disposed. From the imperforate base or face A^2 located below the said hemispherical head, projections, as a plurality of depending prongs, extend, thus forming an uneven face to engage the body of the boat, when, as in practice, the boat is in the water. Communicating with the head A' , and preferably formed integral therewith, and with the base A^2 , is a tubular shank or neck A , threaded at a , on which thread works a nut B , the said shank forming a relatively smaller centrally located tube or pipe.

When the invention is used in connection with a suction pump, the water, etc., will pass through the perforations, the entrance therein of solid material being prevented by the imperforate portion of the head.

In operation, the combined connection and strainer is attached to a plate or strip of suitable material, as for instance, wood C , the same preferably consisting of the bottom

of a boat, the shank A being passed through an orifice in the same, and upon the nut B being placed on the shank, the said nut, in connection with the prongs a' , or uneven face of the head, will hold the entire structure rigidly, and in an immovable relation.

My combined connection and strainer and pump terminal is very strong and durable and the head being preferably cast integrally, the expense of making the perforations is not only done away with, but the danger of an imperfect joint between the shank and head, as is liable to occur with a loosely attached composite structure, is obviated.

The body C is adapted to lie in the water, and the feed pipe D for a suction pump may be contained within the same. An orifice is bored in the said body C , and the shank A of the suction pump terminal, consisting of a hollow neck, is adapted to pass through the orifice and to be connected with the said feed pipe D of the pump. The enlarged, perforated and rounded head A' , communicating with the said neck, is adapted to lie exterior of the body C in the water, the base A^2 resting against the wood. The nut B , which lies against the interior face of the said body, works on the threaded shank A and serves to hold the pump terminal securely to the preferably wooden supporting body C .

By means of the use of my invention, foreign substances in the water are warded off without undue friction, and prevented from entering into the pump, and the rounded head A' serves to obviate friction when the body C is moved through the water.

The invention therefore comprises, in connection with the bottom of a boat in which a pump is located, a pump fitting passing through the same, having an enlarged head or face, and having in practice an uneven or non-smooth inner surface, the projecting portions of which engage the boat body primarily, and a preferably integral exteriorly rounded face formed with perforations, the said parts forming a rigid or integral whole, the uneven inner face, lying against the boat, together with the exterior rounded face, combining, in practice, to prevent the fitting from being displaced by any bodies in the water, which may come in contact with the said exterior face of the fitting.

I wish it to be understood that I do not

wish to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

5 What I claim as my invention is:—

10 In combination, a boat bottom, a pump fitting passing therethrough, said fitting comprising an integral perforated head and uneven or projecting portions which engage the boat body and an exteriorly rounded face, the uneven face of said head and rounded face combining in practice to pre-

vent the fitting from displacement by bodies which may come in contact with the face of the fitting.

15

In testimony of the foregoing specification I do hereby sign the same in the city of New York, county and State of New York this 30th day of July 1907.

CHARLES D. DURKEE.

Witnesses:

WILLIAM E. ASHTON,
J. ODELL FOWLER.