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FLUSHING DEVICE FOR OUTBOARD MOTORS

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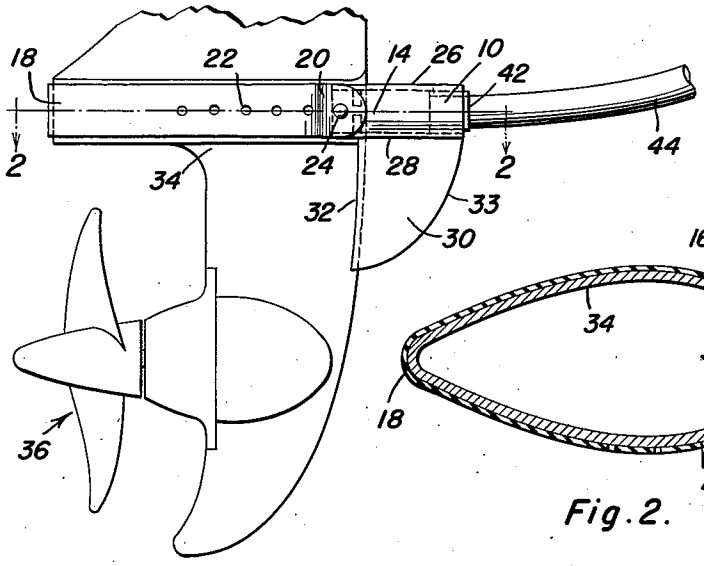


Fig. 1.

Fig. 2.

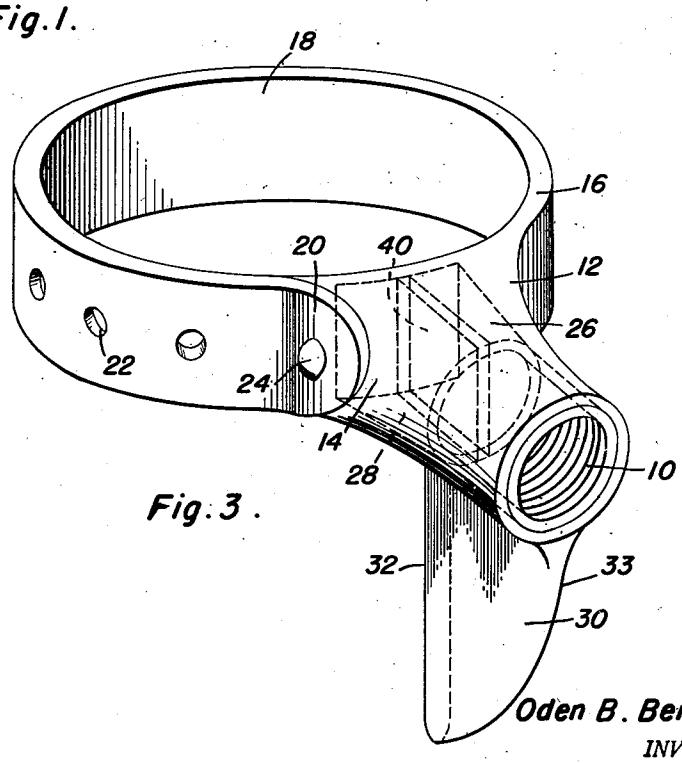


Fig. 3.

Oden B. Benson

INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

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FLUSHING DEVICE FOR OUTBOARD MOTORS

Oden B. Benson, Woodmere, N. Y.

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2 Claims. (Cl. 285—108)

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This invention relates to new and useful improvements in flushing devices and the primary object of the present invention is to provide an attachment for outboard motors including novel and improved means for supplying a fluid to the housing in which the drive shaft of an outboard motor is enclosed.

Another important object of the present invention is to provide a device for flushing salt water and the like from outboard motors including attaching means so designed as to facilitate the same to be applied to motors of various sizes.

A further object of the present invention is to provide a flushing device for outboard motors so constructed as to permit the same to be applicable for supplying a cool liquid to previously unused outboard motors facilitating the motors to be broken in for use in a more convenient manner than heretofore employed.

A still further aim of the present invention is to provide a flushing device for outboard motors that is simple and practical in construction, strong and reliable in use, small and compact in structure, neat and attractive in appearance, relatively inexpensive to manufacture, and otherwise well-adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a fragmentary side elevational view of a conventional outboard motor, and showing the present invention applied thereto in use;

Figure 2 is a longitudinal horizontal sectional view taken substantially on the plane of section line 2—2 of Figure 1; and,

Figure 3 is a perspective view of the present flushing attachment.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a substantially cylindrical, internally threaded body having a pair of arcuate outwardly converging, integral arms 12 and 14.

Rigidly secured to the outer extremity of one of the arms, for example arm 12, is one end 16 of a resilient band or a strap 18. The opposite end 20 of said strap 18 is provided with a plurality of longitudinally spaced apertures or openings 22, that selectively engage an adjustable fastener 24 carried by the arm 14.

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Integrally formed with the upper and lower peripheries of the body 10, and the upper and lower edges of the arms 12 and 14, are spaced upper and lower connecting plates 26 and 28 that retain the arms 12 and 14 spread relative to each other and which provide a further purpose which will later be more fully described.

Depending from the lower connecting plate 28, is a preferably resilient support fin 30 having an arcuate inner edge 32 and a preferably arcuate outer edge 33.

In practical use of the device, the strap 18 is applied about the hollow fin or drive shaft housing 34 of an outboard motor 36, and the free end 20 of the strap is fixedly connected to the fastener 24 to retain the body 10 relative to the housing 34. While in this position, the edge 32 of the support 30 bears against the outer periphery of the housing 34 to support the body relative to the openings 38 provided in the housing 34. A resilient, vertical baffle 40 is positioned between the arms 12 and 14, and the upper and lower connecting plates 26 and 28. One vertical edge of this baffle 40 bears against the housing 34, and the opposite vertical edge of this baffle bears against the male end 42 of a conduit 44 and receivably engages the body 10, to limit the inward movement of the male end 42 relative to the body 10 and to prevent a sagging engagement of the male end within the body.

When water is forced from the conduit into the body 10, the water will contact the inner face of the arms 12 and 14, and the plates 26 and 28 to divert the water through the openings 38 in the housing 34, thus flushing the housing and the working parts of the motor.

Obviously, the device may be employed for supplying fluid to the housing during the initial operation of a motor, so that the motor may be broken in properly without effecting and overheating of the housing.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. In combination with an outboard motor including a hollow fin having openings therein, a flushing device comprising a cylindrical body open at both ends, one end of said body bearing against the fin and surrounding the openings in said fin, a flexible attaching strap having one end attached to said body, said strap embracing said fin, means adjustably securing the free end of said strap to said body, and a supporting fin depending from said body and having an elongated recess, said hollow fin having an edge received in said recess.

2. The combination of claim 1 and a baffle plate mounted within said body and dividing the body into two compartments, said plate being disposed longitudinally between the ends of said body and having an edge resting against said hollow fin.

ODEN B. BENSON.

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