

THE WALNUT OUTBOARD PORTABLE MOTOR

This is an extremely interesting little motor, of the outboard portable type, designed for attachment to rowboats. It is made by The Walnut Machine & Brass Foundry Co, of ~~3166~~ 316 -326 Walnut St-Toledo, Ohio.

This motor can be put in place easily in two minutes, without the aid of tools & can be removed in an equally short time, without injury to the boat. An adjusting clamp is so constructed that the engine, when clamped to the transom of a boat, can be placed in a perpendicular position, thereby making it possible to fit the engine to the angle of the transom of any rowboat, with or without skeg. It holds the motor rigidly and does away with vibration. The cylinder is 2½ in. bore, 2½ in. stroke; it is very simple and consists of only three working parts, piston, connecting-rod and crank-shaft. Complete ready for operation, it weighs 40Lbs. The gasoline tank holds a trifle more than one qt. enough fuel for four hrs. running. The electrical equipment consist of four dry-cells and a vibrator coil, packed neatly in a box built for the purpose, which can be placed in the shipping case with the engine and carried or shipped as baggage when on an out-ing or vacation trip.

The engine is of two-cycle construction and develops 2hp. It is air-cooled and has no pump, novalves, springs or cams. All of the wearing parts are bushed with best quality bronze. No starting crank is necessary. The speed of an ordinary 16 foot rowboat, with one of these motors, is from five to seven miles an hour. The propeller wheel is 12 in. in diameter. The motor is reversible by the aid of the commutator, it is always ready and takes up no room. The outfit is shipped complete in every respect, so that it is ready to use at once.

A unique feature of the Walnut Outboard Motor is that no rudder is required as a tiller turns the wheel at any angle. Thus guiding the boat with accuracy.

" THE FIRST ALUMINUM PISTONS "

In the early twenties, Ben Atwood, being research engineer for Caille Motors, purchased an Evinrude from Ole Evinrude. Ben and Gene Atwood designed and hand made the first aluminum piston at their home in Lakeland, Florida. They were installed in the Evinrude and entered in the five year race against Ole Evinrude with Genevieve Atwood being the winner. Aluminum pistons were used after that in racing motors only!

GAINESVILLE, FLORIDA

can send out a bulletin.

Received word last week from Mr. J. Frank Johnston, that he has completed restoration on a Johnson P.50 and an Evinrude Mate, adding to his collection, which is probably the largest in the World. By the end of summer, he will have a partial list of extra parts and motors to restore. At that time we

* By having extra money in the Club account this time, a reconditioned lettergraph was purchased to send out bulletins to Members.

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