

# NEPTUNE

## The Neptune Outboard and Canoe Motors

**I**N ONE respect the rowboat motor industry is much like the automobile industry. You can buy high priced cars and they will prove their worth throughout years of service. You can also get cars at a mere fraction of the figure asked for high priced machines, and they, too, will give a certain amount of satisfaction.

As stated in the early pages of this book, the Caille Five Speed Motor corresponds to the higher priced, up-to-the-minute cars. The Neptune Motor corresponds to the great middle class of cars. It is furnished in 2 H. P. and 3½ H. P. sizes.

The Neptune is thoroughly complete, and is sold at a price within the reach of every pocketbook. It embodies all the features found in other outboard motors, except the Caille Five Speed Motor. It does not embody the Caille Five Speed Feature, the Caille Silencer, nor the Caille gear-housing construction. These features add materially to the cost of the motor, and consequently cannot be furnished at the Neptune price.

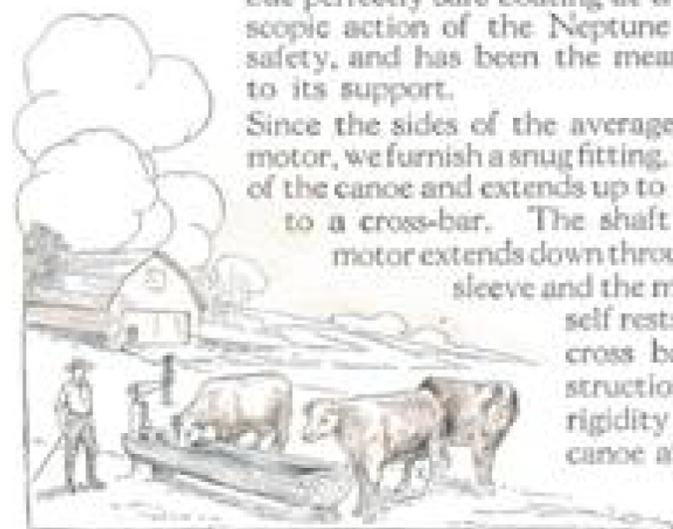
The Neptune does embody the same workmanship and materials, the same time-tested general design and principles that have made the Caille Portable Boat Motor so popular. The Neptune is designed to steer with the propeller, but can be easily and quickly equipped with the well-known Caille folding rudder at an additional cost.

## The Neptune Canoe Motor

When you skim over the water at 12 to 14 miles per hour, you are "going some." Yet, that is the speed to be obtained with the Neptune installed in your canoe. The nimble Neptune may be used with canvas, cedar or birch bark canoes, and affords not only good pleasure and sport,

but perfectly safe boating at the same time. The gyroscopic action of the Neptune flywheel is partly responsible for this factor of safety, and has been the means of winning hundreds of women and children to its support.

Since the sides of the average canoe are not rigid enough to support a canoe motor, we furnish a snug fitting, leak-proof sleeve which is put through the bottom of the canoe and extends up to the height of the sides where it is firmly fastened to a cross-bar. The shaft of the motor extends down through this sleeve and the motor itself rests on the cross bar construction. The rigidity of the canoe after the



Patent Detachable Folding Rudder for use on either the 2 H.P. or the 3½ H.P. Neptune Rowboat Motor—can be attached in an instant. The rudder means control of boat after power of motor is shut off and boat is travelling on momentum only. This is the only Folding rudder on the market.

# NEPTUNE



motor is installed has induced many persons to take to this phase of motor boating in preference to the rowboat, which, though rigid enough, is not so fleet. Attaching a Neptune to your canoe in no way weakens the boat, nor is there any chance of springing a leak at the connecting point.

## Neptune Specifications and Prices

**SPEED AND POWER**—The motor embodies the snap and ginger that makes you feel glad you bought it. Rated at 2 H. P.—800 R. P. M. Under actual boat test it develops 2.2 H. P., or an average of 8½ miles per hour.

**CYLINDER**—Cast from close-grain grey iron—same as used for automobile engines. Cylinders are rough bored and ground smooth, giving a straight, accurate cylinder bore. Cylinder is entirely surrounded by a water jacket, and tested by hydraulic water pressure.

**PISTON**—Made of the same close-grain grey iron and ground with great accuracy. Baffle plate at the top of the piston insures maximum power at high speed.

**PISTON RINGS**—Piston rings are made eccentric and cast individually, retaining the strength given them when the iron is chilled in casting. Wrist pin is high grade carbon steel, hardened and accurately ground, and is hollow to provide for the oiling.

**CRANK SHAFT**—Made of high grade 35 to 40 point carbon steel, used in the finest automobile crank shafts.

**CONNECTING ROD**—Special wear-resisting phosphor bronze, I-beam shape.

**CRANK CASE**—Made of phosphor bronze. The bearings are cast babbit; these are machined to fit crank shaft perfectly.

**TIMER**—Timer located underneath flywheel, convenient to operator. A movement one way or the other controls the speed of the motor. Timer consists of a vibrating spring, actuated by cam on the flywheel. Contact screw and

vibrating spring equipped with large Tungsten points which cannot corrode or stick. Points can be quickly adjusted by means of the contact screw. The cam gives the proper make and break for the timer, giving batteries long life.

**FLYWHEEL**—Flywheel is perfectly balanced and heavy enough to allow the engine to run very slowly.

**CARBURETOR**—Designed with the greatest care. Automatic generator type, small and simple. It gives the proper mixture at all times.

**PROPELLER**—The propeller is manganese bronze, which is proof against salt water corrosion. It is 9¾ inches in diameter. Woodless type.

**GEAR HOUSING**—Gear housing is phosphor bronze and impervious to salt water corrosion. It houses the propeller gears in a water-tight chamber. It is packed with enough grease to provide lubrication for several months. A thrust is provided for the propeller.

**WATER PUMP**—Water pump is attached to the gear housing. It is of the plunger type, and driven by a cam on the propeller shaft. Its capacity is ample to keep cylinder cool on the hottest days.

**2 H. P. ROWBOAT MOTOR**—Bore and stroke, 2¼x2¼; 900 R. P. M.; propeller, 9¾ inches; weight—net, 17 pounds; boxed for domestic shipment, 100 pounds; boxed for export shipment, 120 pounds; export box measurements, 11x17x19 inches.

**2 H. P. CANOE MOTOR**—Bore and stroke 2¼x2¼; 900 R. P. M.; propeller, 9¾ inches; weight—net, 10 pounds; boxed for domestic shipment, 100 pounds; boxed for export shipment, 110 pounds; box measurements, 11x11x19 inches.

**1½ H. P. ROWBOAT MOTOR**—Bore and stroke, 1½x1; 800 R. P. M.; propeller, 11 inches; weight—net, 17½ pounds; boxed for domestic shipment, 100 pounds; boxed for export shipment, 110 pounds; box measurements, 11x9x21 inches.

## Neptune Prices

Rowboat Motor	Code Word	Canoe Motor	Code Word
2 H. P. Battery type, \$50	- King	2 H. P. Battery type, \$50	- Queen
2 H. P. Magneto type, \$60	- Prince	2 H. P. Magneto type, \$60	- Empress
1½ H. P. Battery type, \$90	- Czar	*Canvas Carrying Case, \$2	- Case
1½ H. P. Magneto type, \$100	- Czarina	(Special Rudder Export., \$1.50 Rudder)	

The snug fitting, leak-proof sleeve through which the motor shaft is inserted is, without question, one of the cleverest ideas ever devised for canoe motor installation. Note enclosed water connection for cooling the motor.



Neptune Slinger furnished as regular equipment on all motors.

\*For 2 H. P. motors only.

†For Neptune Rowboat motors only.



Let the Neptune "paddle" your canoe