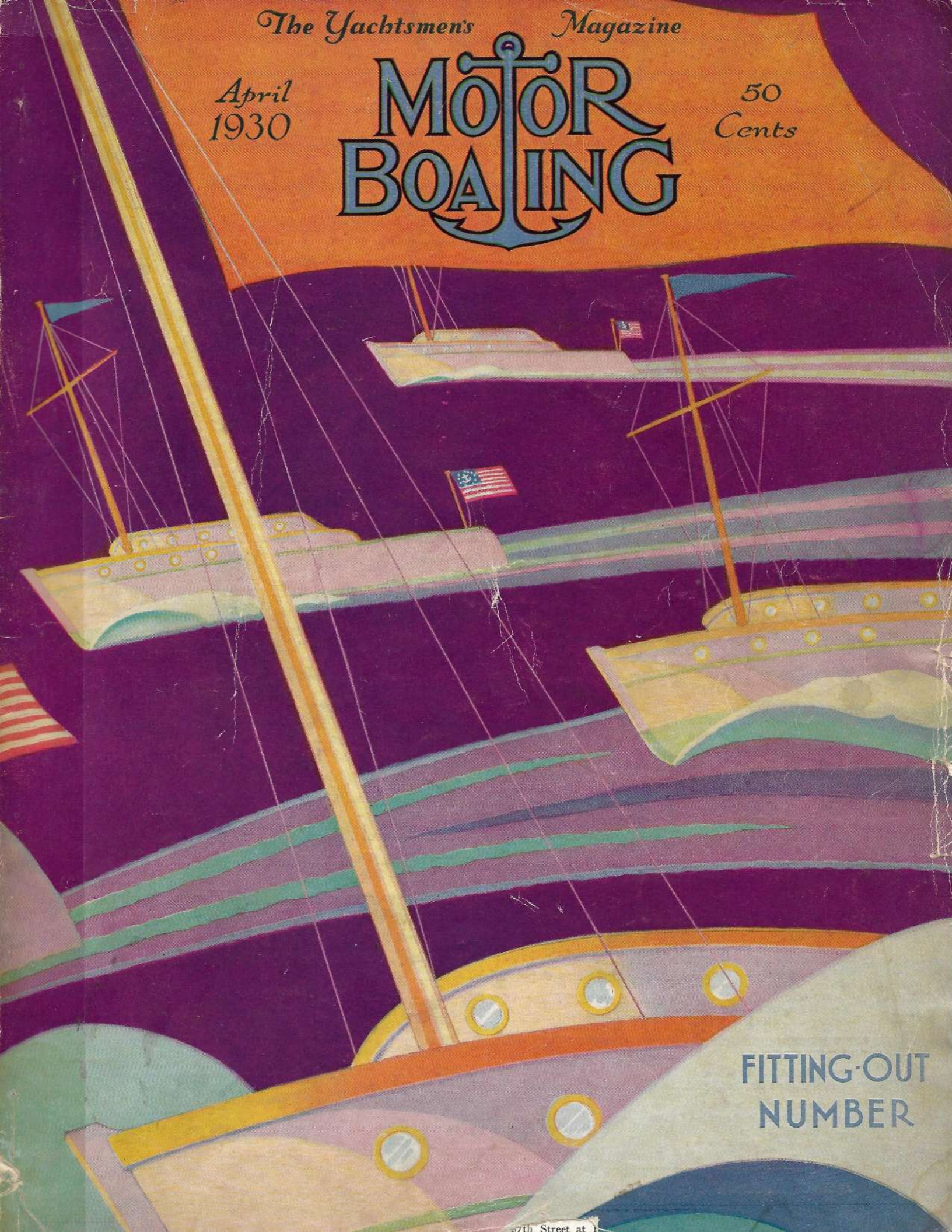


The Yachtsmen's Magazine

April
1930

MOTOR BOATING

50
Cents



FITTING-OUT
NUMBER

SPECIFICATIONS OF AMERICAN OUTBOARD ENGINES

MODEL	Class A, B, C, D	Horse Power	Piston Displace- ment	Bore and Stroke	Number of Cylinders	R. P. M.	Weight	*Lubrication Method	*Make Ignition	*Make Spark Plugs	*Make Carburetor
CAILLE											
Detroit, Mich.											
Red Head 14	A	6	13.916	2 1/4 x 1 3/4	2	.....	40	Fu	Bo	.....	Til
Red Head 15	A	6	13.916	2 1/4 x 1 3/4	2	.....	43	Fu	Bo	.....	Til
Red Head 25	B	15	19.63	2 1/4 x 2	2	.....	75	Fu	Bo	.....	Til
Red Head 45	C	21	29.6	2 3/4 x 2 1/2	2	.....	105	Fu	Bo	.....	Til
Red Head (Racer) 35	A	10	13.916	2 1/4 x 1 3/4	2	.....	43	Fu	Bo	.....	Til
Red Head (Racer) 40	B	17	19.63	2 1/4 x 2	2	.....	75	Fu	Bo	.....	Til
Red Head (Racer) 50	C	23	29.6	2 3/4 x 2 1/2	2	.....	105	Fu	Bo	.....	Til
CROSS RADIAL											
Detroit, Mich.											
*563-S	G	50	74	2 1/2 x 3	5	4000	155	Pr	Rob Bo	A C	Til
*563-R	G	50	74	2 1/2 x 3	5	4500	.....	Pr	Rob Bo	A C & Bo	Winfield
*563-C	G	50	74	2 1/2 x 3	5	4000	155	Pr	Rob Bo	A C	Til
ELTO											
Otuboard Motors Corp.											
Milwaukee, Wis.											
Fold Light	A	23 1/4	8.2	1 3/4 x 1 3/8	2	3500	29	Fu	Fl	A C or Ch	Til
Lightweight	A	31 1/2	10.2	2 x 1 3/8	2	3500	38	Fu	AK	A C or Ch	Elto
Service Speedster	B	7	19.6	2 1/4 x 2	2	3500	64	Fu	AK	A C or Ch	Elto
HiSpeed Speedster	B	12	19.6	2 1/4 x 2	2	4500	62	Fu	AK	A C or Ch	Elto
Senior Speedster	C	14	24.5	2 1/2 x 2 1/2	2	4000	80	Fu	AK	A C or Ch	Elto
Senior Speedster (Starter)	C	14	24.5	2 1/2 x 2 1/2	2	4000	94	Fu	Storage Bat.	A C or Ch	Elto
Quad	E	35	49	2 1/2 x 2 1/2	4	4500	115	Fu	AK	A C or Ch	Elto
Quad (Starter)	E	35	49	2 1/2 x 2 1/2	4	4500	129	Fu	Storage Bat.	A C or Ch	Elto
EVINRUDE											
Milwaukee, Wis.											
Outboard Motors Corp.											
Fold-Light	A	23 1/4	8.2	1 3/4 x 1 3/8	2	3500	29	Fu	Fl	A C	Til
Fleetwin	A	6	13.9	2 1/4 x 2	2	4000	58	Fu	Fl	A C	Til
Fastwin	B	14	19.9	2 3/4 x 2 1/4	2	4500	82	Fu	Fl	A C	Til
Speedwin	C	20	29.9	2 3/4 x 2 1/2	2	4500	97	Fu	Fl	A C	Til
Speedwin 22	C	22	29.9	2 3/4 x 2 1/2	2	4500	98	Fu	Storage Bat	A C	Til
Speedwin 22 (Starter)	C	22	29.9	2 3/4 x 2 1/2	2	4500	112	Fu	Storage Bat.	A C	Til
INDIAN											
Springfield, Mass.											
601	B	.....	19.63	2 1/2 x 2	2	.....	67	Fu	Bo-Fl	Ch	Til
JOHNSON SEA HORSE											
Waukegan, Ill.											
Single	A	1 1/2	4.71	2 x 1 1/2	1	2800	27	Fu	Fl Mag	.....	Own
3	A	3	9.42	2 x 1 1/2	2	3000	38	Fu	Fl Mag	.....	Own
4	A	4	8.28	1 7/8 x 1 1/2	2	4500	45	Fu	Fl Mag	.....	Own
10	B	10	19.9	2 3/8 x 2 1/4	2	3800	63	Fu	Fl Mag	.....	Own
12	A	12	13.96	2 1/8 x 1 3/4	2	4500	60	Fu	Fl Mag	.....	Own
16	B	16	19.9	2 3/8 x 2 1/4	2	4500	89	Fu	Fl Mag	.....	Own
32	D	32	39.8	2 3/8 x 2 1/4	4	4500	110	Fu	Fl Mag	.....	Own
LOCKWOOD											
Outdoor Motors Corp.											
Milwaukee, Wis.											
Fold-Light	A	23 1/4	8.2	1 3/4 x 1 3/8	2	3500	29	Fu	Fl	A C	Til
Ace	A	7	13.9	2 1/4 x 2	2	4000	50	Fu	Fl	A C	Til
Chief	B	12	19.9	2 3/8 x 2 1/4	2	4500	70	Fu	Fl	A C	Til
Chief (Starter)	B	12	19.9	2 3/8 x 2 1/4	2	4500	84	Fu	Fl	A C	Til
MUNCIE TWIN											
Muncie, Ind.											
OB2	A	2 1/2-3	9.42	2 x 1 1/2	2	3250	42	Fu	Bo	A C	Til

*KEY TO SYMBOLS

*—4 Cycle	Ei—Eiseman	So—Scintilla
Bo—Bosch	Fl—Flywheel	Til—Tillotson
Ch—Champion	Pr—Pressure	Zen—Zenith
	Fu—In Fuel	AK—Atwater Kent

All of the larger sizes of engines will be supplied with electric starters in 1930

CHICAGO SHOW SPACE SELLING FAST

Forty-four boat, engine or accessory manufacturing firms are already occupying space in Chicago's permanent Motor Boat Mart on Navy Pier and several others have contracted for space in this permanent exhibit. All of these form a most comfortable nucleus for the Chicago National Boat Show to be held on the Pier from April 25 to May 3 inclusive. The space occupied by this permanent show is 600 feet long with a net width of 66 feet and a balcony 20 feet in width. This long show room is already handsomely decorated, comfortably heated and the exhibits now in place form a most unusual boat show in themselves. The Motor Boat Mart was originally started on Diversey Parkway on the North Side. The initial headquarters were outgrown in a single year and much larger quarters on the same thoroughfare were secured and occupied. A constant growth forced the management to seek even larger quarters. Manager Hubbard H. Erickson was fortunate enough to secure a long lease from the City of Chicago of the entire upper floor of the north wing of Navy Pier. Planned as a recreational as well as a commercial enterprise, Navy Pier stands today as the largest pier on the Great Lakes if not in the United States. The portion now occupied by the permanent Motor Boat Mart is less than one-third of the space covered by the Erickson lease, all of which is to be used for the National Boat Show.

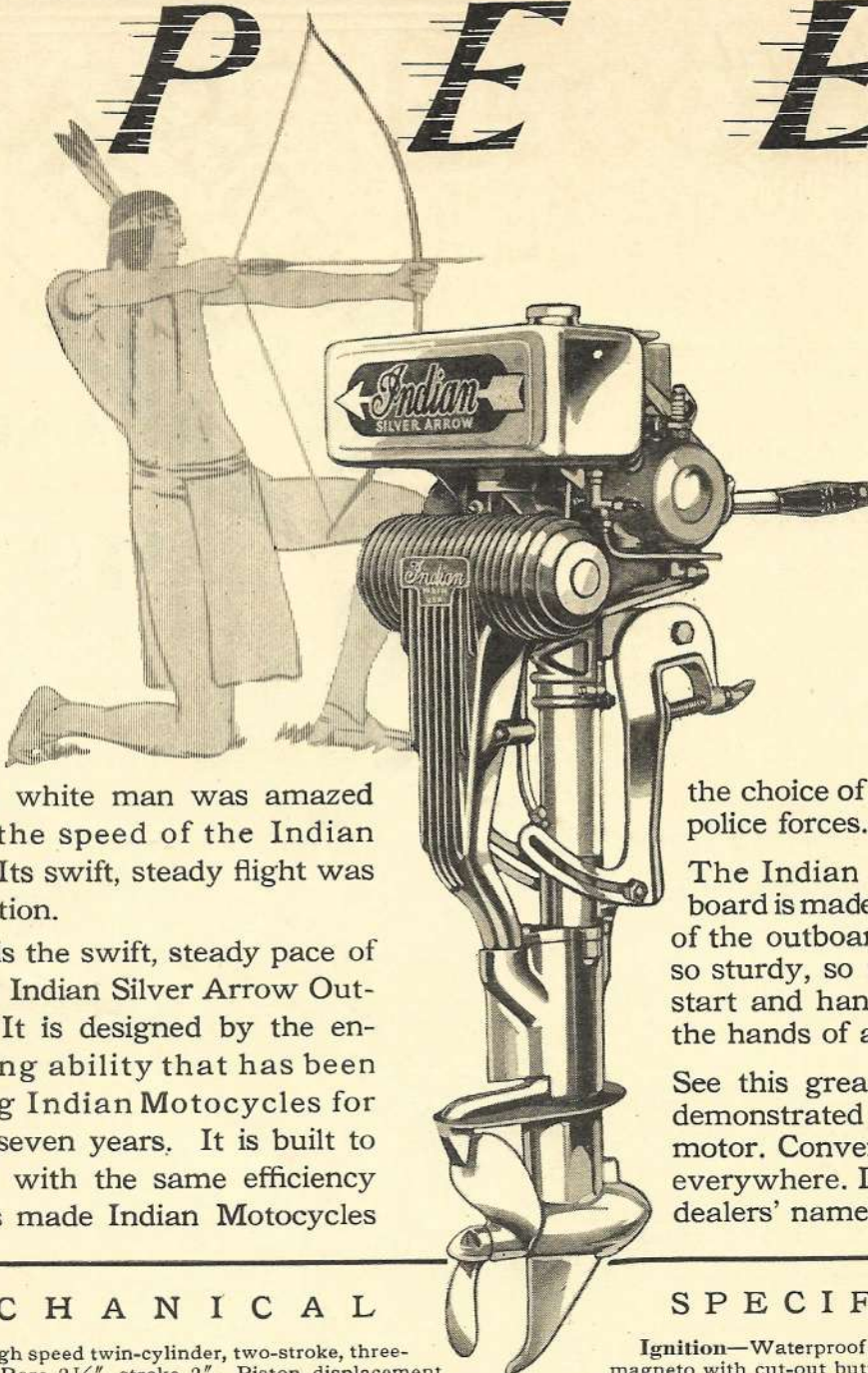
Gangs of workmen are now engaged in converting the addi-

tional 1600 feet of length of this space from a commercial store room into the most unusual exposition hall in the country. The sides are all being enclosed with ornamental woodwork; the huge glass and steel arch which forms the ceiling is being artistically painted and decorated. At intervals of every 500 feet attractive banks of offices are being installed along the outer wall. These are planned as private offices for exhibiting firms. They front on one of the two main aisles which will extend from one end of the vast room to the other. Each of these aisles will be more than one-third of a mile in length, forming what might be likened to a double business street, all enclosed, decorated, heated and lighted. When completed, ready for the installation of the final exhibits at the beginning of the fourth week of April, this exposition hall will present a most unusual picture.

That exhibits which will remain through this National Boat Show are already arriving may be known from the fact that a thirty-foot A. C. F. cruiser went on display last week and that a thirty-eight foot cruiser was shipped by the same company from its Wilmington, Del., plant on Feb. 8 to be on display with the week beginning Feb. 17. Ward Robinson of Chicago is in charge of this particular display.

As an indication of how the space will be occupied it may be said that seven different companies engaged in manufacturing runabouts have secured space for the permanent show and that six others are negotiating for space for the National show or a combination of the permanent and the national shows.

S P E E D



THE white man was amazed by the speed of the Indian arrow. Its swift, steady flight was a revelation.

So, too, is the swift, steady pace of the new Indian Silver Arrow Outboard. It is designed by the engineering ability that has been building Indian Motocycles for twenty-seven years. It is built to perform with the same efficiency that has made Indian Motocycles

the choice of the country's largest police forces.

The Indian Silver Arrow Outboard is made to meet the demands of the outboard enthusiast, yet, is so sturdy, so foolproof, so easy to start and handle that it is safe in the hands of a child.

See this great motor . . . have it demonstrated before you buy any motor. Convenient service stations everywhere. Descriptive folder and dealers' names on request.

M E C H A N I C A L

Motor—High speed twin-cylinder, two-stroke, three-port type. Bore 2½", stroke 2". Piston displacement 19.63 cu. in. Motor speed 4500 R.P.M. Gear reduction to propeller 100 to 60.

Cylinders—Exclusive *Indian* Silver Arrow cast iron cylinder sleeves. Cylinder heads and water jackets of heat treated aluminum alloy. Hot Head Motor design.

Connecting Rods—Carefully balanced phosphor bronze; extra large bearings on crankshaft and piston wrist pin.

Pistons—Special *Indian* aluminum alloy fitted with two piston rings, designed for maximum performance with *Indian* Hot Head cylinder.

Crankshaft—Nickel steel forging, balanced, hardened and ground to mirror finish. Main bearings 15/16" dia.; 2½" long. Crankshaft bearings, 15/16" dia.; 1-3/16" long.

S P E C I F I C A T I O N S

Ignition—Waterproof high tension Bosch flywheel magneto with cut-out button.

Carburetor—Tillotson automobile type; *Indian* handle grip control.

Cooling System—*Indian* pressure type with visible outlets. No pump or valves used with this system.

Underwater Exhaust—One-piece silencer, constructed of silicon aluminum alloy. Fitted with heat dissipating fins and cut-out.

Propeller Shaft—Stainless steel, heat treated, ground; runs on bronze and ball bearings.

Gears—Heat treated alloy steel. Pinions, twelve teeth; gears, twenty teeth.



Price, \$185⁰⁰

F. O. B. Springfield, Mass.

OUTBOARD MOTOR

INDIAN MOTOCYCLE CO. DEPT. M SPRINGFIELD, MASS.



ILLUSTRATED IS THE 5-PASSENGER 16-FOOT RUNABOUT \ 40 H.P. MOTOR \ SPEED 25 MILES AN HOUR \ PRICE, FULLY EQUIPPED, \$945 "

STORIED waters of many lands have purred a welcome to the new Dodge Boats \ \ \ Pictured here is England's River Thames — famous in fact and fable \ \ \ Only the miracle of modern mass production could create these new Dodge Boats at such amazingly lessened prices \ \ \ At \$945 the new Dodge Sixteen Footer alone begins a new epic in boating history \ \ \ With mahogany planking from stem to stern \ \ \ bottoms double planked \ \ \ this gem of marine beauty is fully equipped from luxurious upholstery to electric starting and lighting \ \ \ with a 40 horse power motor ready to speed away from dock or mooring at twenty-five miles an hour \ \ \ It is merely one illustration of the striking values in the entire series of new Dodge Boats including \ \ \ the 35-miles-an-hour Twenty-one Footer at \$2100 \ \ \ the 38-miles-an-hour Twenty-five Footer at \$3200 \ \ \ and the 300 horse power Twenty-eight Footer with its better than 45 miles an hour at \$4500 \ \ \ Victoria Sedans at \$3900 to \$5300 \ \ \ Write for a complete color catalog with descriptions of all Dodge Boats.

DODGE BOATS