



MICHIGAN
MACHINED-PITCH
PROPELLERS

**FOR OUTSTANDING
PERFORMANCE
IN OUTBOARD
RACING OR
PLEASURE BOATING**

OUTBOARD CATALOG NO. 053 — MICHIGAN WHEEL CO., GRAND RAPIDS 3, MICHIGAN

CONTINUOUS TESTING TO INSURE MAXIMUM

When you buy a Michigan propeller, you may be sure that you are getting a wheel which is not simply built on some theoretical hopes of giving you more speed and better performance, but a propeller which has proven its ability for top performance under the most exacting tests devised.

Michigan Wheel Company maintains an outdoor testing laboratory on Grand River, just a short distance from the factory, where newly developed propellers are tested and matched to individual motors under various boat and load conditions. The laboratory contains complete engineer's testing and proving facilities, including a fleet of boats, and all the popular makes of outboard motors. A winter testing ground in the South is used during the winter months.

Here every make and model of outboard motor is matched with the propeller which will give it maximum efficiency under actual running conditions. These conditions include variations of boat size, design, and load.

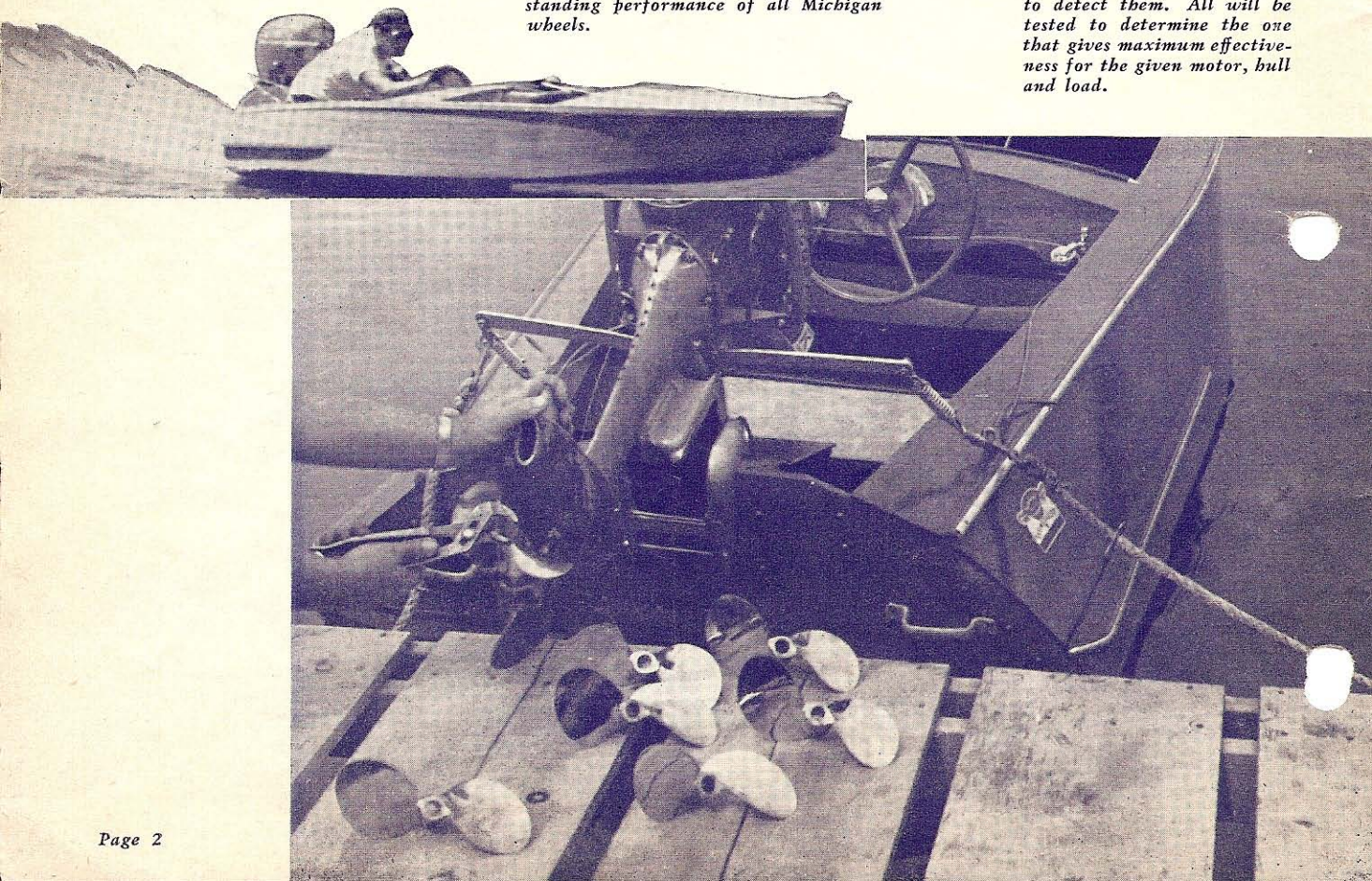
Each testing engineer runs an average of 150 miles a day, the year around. Results are measured with precision accuracy by the finest scientific instruments.

Testing is considered complete only when decidedly superior results have been obtained and both the engineering and field staffs are thoroughly satisfied that maximum performance has been reached. This often means very long, exhaustive testing periods, as much as six weeks for a single propeller.

The recommendations contained in the Propeller Selector Charts on the following pages are founded on the soundest possible basis and can be relied on to give you the ultimate in performance. To insure getting the best possible results, be sure to read the nine check points pertaining to your boat and motor.

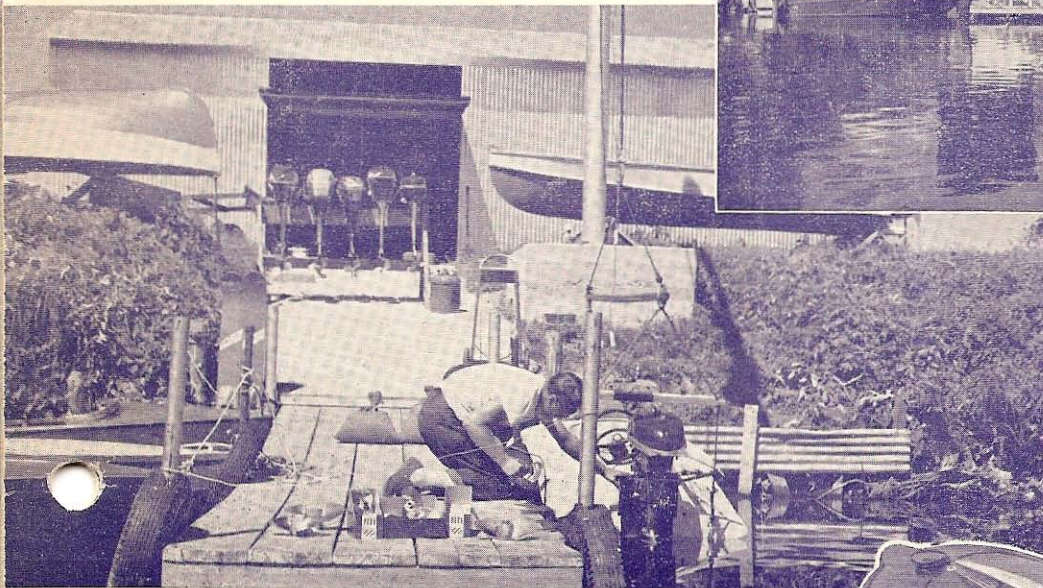
Test engineers run an average of 150 miles per day, day after day. It's data thus obtained that insures the outstanding performance of all Michigan wheels.

Seven propellers with variations so slight the average layman would be unable to detect them. All will be tested to determine the one that gives maximum effectiveness for the given motor, hull and load.

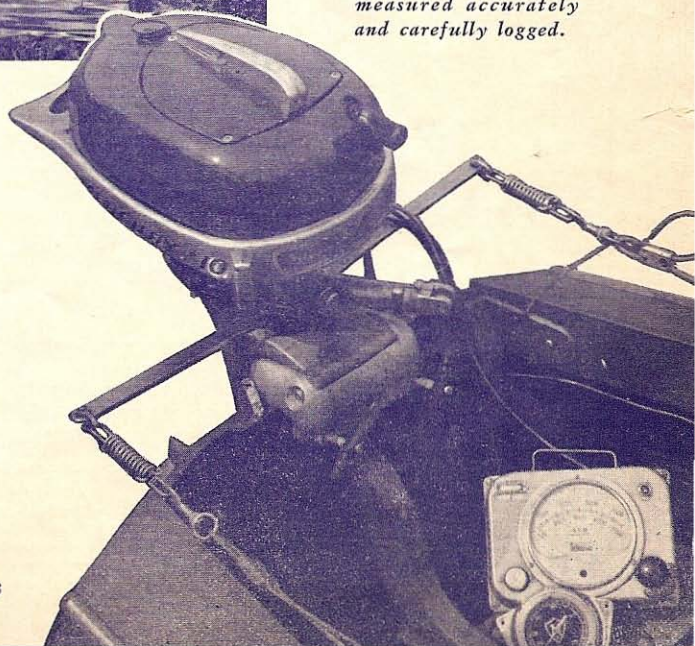
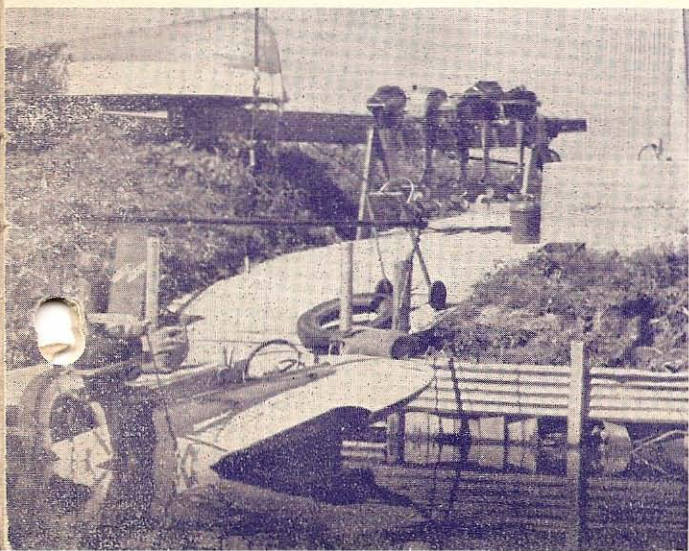


PERFORMANCE UNDER ALL CONDITIONS

Michigan Outdoor Testing Laboratory where a fleet of boats and models of all modern motors are employed in testing newly developed propellers.

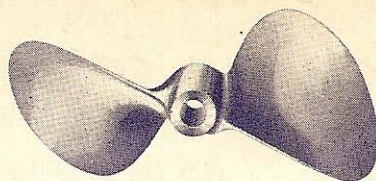


Performance of each propeller tested is measured accurately and carefully logged.






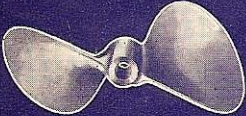
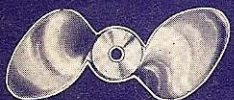



"AQUA-JET"

Some of the Models available



RACING TYPE PROPELLERS

	MERCURY SUPER 10 AND HURRICANE AJ48 AJ49 AJ50
	MERCURY 25 H.P. QUICK SILVER KD6 KD7
	SCOTT-ATWATER 7 1/2 H.P. AJ8
	JOHNSON - EVINRUDE "25" AJC 460 AJC 463 AJC 461 AJC 464 AJC 462
	CHRIS-CRAFT "10" AJ430 AJ431
	EVINRUDE SPEEDITWIN 22 H.P. AJ289 AJ323 AJ288
	MARTIN "100" AJ451
	EVINRUDE SUPER FASTWIN AJC 411 AJC 413 AJC 414

A TREMENDOUSLY SUCCESSFUL WHEEL FOR STOCK BOAT RACING

Michigan AQUA-JET propellers are deluxe two-blade wheels, designed to produce highest speeds in both pleasure and racing craft. A wide selection of sizes enable boat owners to precisely match propeller to motor and fill individual boat and load requirements.

AQUA-JET propellers are made of both durable aluminum-magnesium alloy and Michalloy hi-strength bronze. With racing edges and perfect balance, Michigan AQUA-JETS are finished in a lustrous mirror polish surface.

For gear shift motors, Michigan AQUA-JET propellers are exclusively equipped with shock absorber Cushion Hubs which give protection to gear shift mechanism and reduce sheering of pins.

Propeller sizes shown on the following pages are scientifically determined to assure correct and safe RPM range of mechanically perfect engines for types of boats indicated.

Precision fit, workmanship, and materials of Michigan propellers are thoroughly guaranteed. There is no guarantee provision against blade fracture, however, because of the conditions to which these highly specialized racing wheels are subjected. AQUA-JET propellers are available for medium and larger models of Johnson, Mercury, Evinrude, Scott-Atwater, Martin, Champion, Elgin, Chris-Craft, and several other motors.

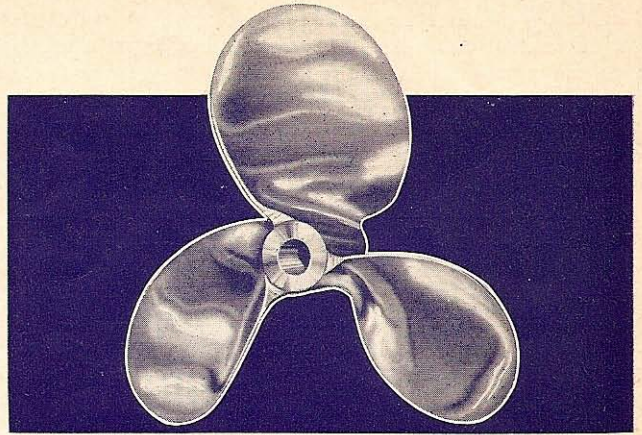
Michigan propellers took hundreds of first places in marathon and closed course races in 1952. World records were established by Michigan in many events including Racing Runabouts, Stock Runabouts, and Racing and Stock Hydroplane events. Firsts were recorded in M, A, B, and C, Hydroplane classes at the APBA Nationals in Florida. At the National Stock Outboard Championships at Oakland, Calif., Michigan propellers took first places in "B" Utility, "B" Hydro, "F" Utility, and "D" Hydro. And these are only a few instances in which Michigan propellers have brought boats up to the highest speeds possible.

Michigan's great popularity with many thousands of boat owners throughout the world testifies to the proven abilities of Michigan AQUA-JET propellers as a truly fast speed wheel.

The "AQUA-MASTER"

IDEAL PROPELLER FOR THE LARGER MOTORS IN USE ON THE AVERAGE RUNABOUT, UTILITY OR FAMILY BOAT!

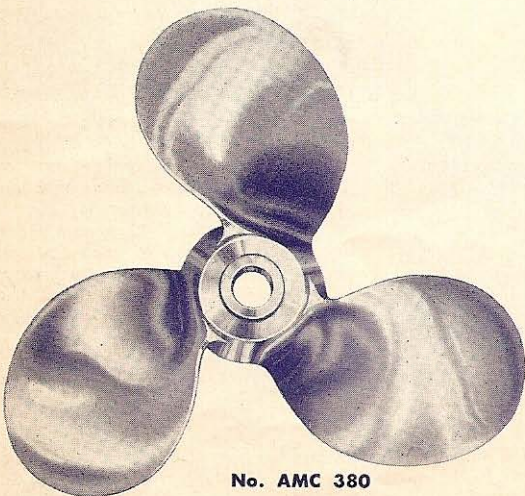
A few years ago Michigan introduced the Outboard version of our highly popular inboard "AQUA-MASTER." It immediately became recognized as the most sensationally performing propeller ever offered for service motors. In the following pages many new "AQUA-MASTERS" will now be found listed, and the range has been expanded to include motors down to the 5 h.p. jobs of some makes. Any owner of a motor of this size using a well designed runabout or utility certainly owes it to himself to own one of these propellers. It will provide better boat speeds, smoother performance and more flexible operation under varying load conditions. Furthermore the "AQUA-MASTER" is more sturdy in design and construction. It tends to deflect or ward off drift



and debris with less damage to blades than would be suffered by the conventional propeller. Its usual shorter diameter and greater blade width permits its use closer to the surface, a real advantage as explained under "9 Check Points" (page 7).

CUSHION-HUB PROPELLERS for MOTORS with GEAR SHIFTS

Greatly reduce or eliminate pin sheering in all shifting operations



No. AMC 380

In 1951 Michigan successfully introduced its new Cushion-Hub propellers as adapted to certain Aqua-Master propellers. We now offer an improved model which is available for most motors and approved by leading motor manufacturers. It has been incorporated in both bronze and aluminum Aqua-Masters and for the first time in Aqua-Jet propellers. Tests with service motors and their types of lower units indicate that the large cone hub (necessary to incorporate the Cushion-Hub arrangement) actually improved speeds. This resulted from better fairing or streamlining of the large hub as compared to the normal small hub of the Aqua-Jet.

In the pages following, wherever "C" occurs in part numbers it indicates a Cushion-Hub style propeller for Aqua-Master or Aqua-Jet. Examples: AMC 260, AJC 13, etc.

The KEY TO BETTER OUTBOARD PERFORMANCE

This booklet is designed to aid the outboard owner in knowing whether he is getting the most from his boat and motor combinations. We want to assist him in getting as much pleasure from outboarding as possible. Practical aids in "setting up" and other problems are explained in the nine check points for better performance listed below, and our propeller recommendations are shown in the following pages.

One of the most critical factors in outboard and inboard motors is the propeller. Manufacturers, knowing the importance of propellers for successful operation, bring their propeller problems to propulsion experts . . . the Michigan Wheel Company. You, too, will find our recommendations will help you solve your propulsion problems.

WHAT MAKES A GOOD PROPELLER?

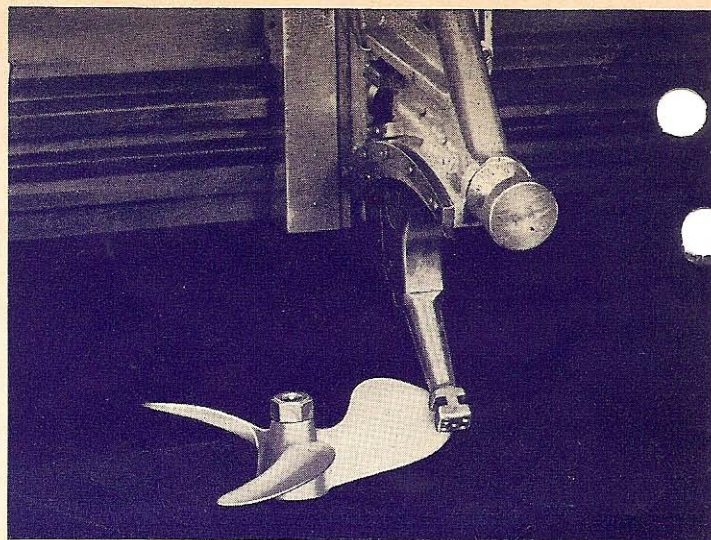
FIRST, a propeller must be accurate to operate with maximum efficiency. Michigan's exclusive Machined-Pitch method of manufacture guarantees accuracy in every detail. This is supplemented by our 50 years of experience and unmatched facilities.

SECOND, the propeller must be of correct size and design. Because of variations in hulls and conditions, load and service requirements, the original propeller is not suitable in all cases. We, therefore, offer a range of styles and sizes, especially for larger motors, which are designed to meet the requirements of each individual case.

In recommending propellers for engines with different hulls and loads, consideration has been given to the gear ratio of the lower unit, its contour, engine's power, and RPM range.

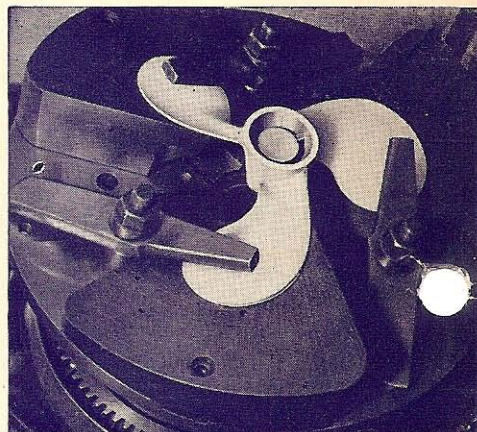
WARNING: Owners who order the highest pitch propeller listed, whether an Aqua-Jet or Aqua-Master, in the hope of going faster, seldom succeed. Boats and engines vary greatly in ability and performance, and a poor combination rarely works successfully.

NOTE: Specific results cannot be guaranteed due to variations of boats, engines, fuels, and conditions. Our information is based on the experience of our test crew with stock engines and well designed boats. For specific conditions, we invite inquiries . . . or write for our Outboard Analysis Form.



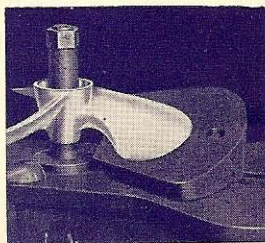
The Helical Planer, an exclusive development of Michigan Wheel Company, eliminates the human error element and carves the original patterns of Michigan Propellers and Pitch Blocks with unflinching precision and accuracy.

Boring a wheel on PITCH BLOCKS insures absolute accuracy. A perfect casting otherwise bored can be out of center and the blades badly out of track resulting in undue vibration, loss of power, etc.



Below is shown a propeller being checked on a PITCH BLOCK. PITCH BLOCKS have true screw surfaces carved by the helical planer and corresponding to the contours of the propellers with which they are used to check the accuracy of each and every propeller throughout the manufacturing process.

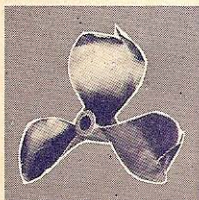
**NO OTHER PROPELLERS
ARE MADE THIS WAY**



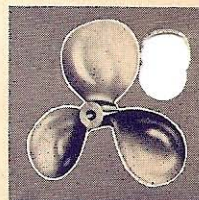
REPAIR SERVICE FOR DAMAGED PROPELLERS

All Michigan outboard propellers can be reconditioned with complete accuracy. Do not risk costly damage to your engine by using a propeller that is bent or out of balance.

Twenty-five authorized Michigan Service Stations, located throughout the country, as well as the factory, offer this service. Write for address of the station nearest you, or mail your damaged propeller to the factory.



Before



After

9 CHECK POINTS FOR IMPROVED OUTBOARD PERFORMANCE

Naturally every owner of an outboard outfit does not expect or want competitive racing speeds. However, hardly any are adverse to getting better all around performance and the following facts are presented as an aid in generally bringing up performances for those outfits where complete satisfaction is not presently being derived.

The first thought that comes to many outboarders is that a propeller change may accomplish a miracle or be a cure-all. Though of prime importance, no propeller by itself can make an outfit, inherently incorrect in one or more details, perform in competition with outfits in which all factors are ideal.

Each owner interested in greatest possible performance should check every one of the following points. Each are vital. One or more bad features in your outfit can detract as much as 10 to 50% in boat speeds and all around performance.

1. MOTOR TILT

Every outboard motor has an adjustment for tilt. When the motor is set on the transom with the lower unit too far forward, the boat will have a tendency to throw the bow too far into the water and over-plane the boat. This slows the boat up considerably although it will stabilize a wild boat, especially with the larger more powerful engines. For maximum racing speeds there is one point of proper motor angle and this is with the lower unit cocked back as far as possible. This can be briefly summed up as "trimming." However, no two hulls are alike and the exactly correct point can be determined only by trial and error. Motors tilted too far aft will cause propeller to cavitate.

2. TRANSOM HEIGHT

No single one of these 9 factors has more effect on general performance than the proper transom height. While most manufacturers of boats provide 15" transoms and most engines operate satisfactorily on these transoms, it is definitely true that owners of some boats will gain from $\frac{1}{4}$ to a mile or more in speed by blocking up or increasing the boat transom. For average family runabouts it is a good rule of thumb to run the anti-cavitation plate slightly below the bottom of the keel; or if there is no keel, below the bottom of the boat. Everyone interested in the last fraction of a mile for competitive racing, and this applies to hydroplanes and racing runabouts, should experiment to see how high he can run his outfit without encountering excessive cavitation when underway. It will be found harder to get up on top at the start with very highly mounted motors. There is no general rule that can be applied as motor lower units and boats vary in the ability to run high for this specialized racing

service. It is readily apparent to everyone that a highly mounted motor will cause less drag or skin friction, give better shallow water operation, and safer operation on sharp banks, since the propeller will break loose and the boat automatically straighten itself. You will also reduce back pressure with the underwater exhaust close to the surface.

3. SPARK LEVER SETTING

All outfits definitely do not operate best with the spark lever fully advanced. In fact, more often they do not. Many drivers simply throw the lever way over when they want most speed, whereas if they will feel out the last inch or so and find the correct spark lever setting, they will find a point that will be best.

4. THE KEEL

The purpose of a keel is to brace or stiffen the bottom, offering protection to the bottom, and on faster boats to stabilize it on the turns. Unfortunately this also adds drag and provides a route for air bubbles to flow back and be picked up by the propeller, thus greatly effecting propeller performance. This is why on some of the faster boats, intended for racing, you will find the keel inside the boat. These jobs generally are run with a fin. Where a substantial keel is built on the bottom, the aft end should be faired from an eighth to a quarter inch at the transom on a taper to about 30" forward. Fortunately most boat builders today have recognized the importance of faired keels and are sending them from the factory this way, but there are still thousands of boats in use with keels causing propeller inefficiencies.

5. BOAT BOTTOMS

90% of all well designed runabouts are straight line bottom boats. These have been proven definitely the most efficient and fastest. Unfortunately, however, many of these boat bottoms are not perfectly true and have built-in, or developed through use, a hook or curve which normally appears just forward of the transom. Usually the tremendous pull of a big engine or a medium size engine has drawn the bottom out of true and it has taken a permanent set. Some flexible bottom boats may straighten themselves up when out of the water but under operation be running with the hook. This hook developed in the bottom has two very serious effects in the outfit's performance.

First, it often is the entire reason for galloping at high speed and difficult control on the turns.

Secondly, it slows the boat up. If you have determined that you have an untrue boat bottom it should be straightened up. This can be done by most anyone by adding one x six's and wedging, and permanently installing these bottom bracings. Time and again we have seen difficult hulls made into fine-running and faster boats by getting the aft $\frac{1}{3}$ of the boat bottom into the condition that it should be, namely a straight line.

Continued on Page 8

6. PASSENGER WEIGHT

The average outboard is most sensitive to weight distribution. Some in fact are so sensitive that with motors of medium power, it is only by throwing weights way forward that the boat can be gotten into a plane where it will run best. In others, weights must be shifted aft. Here again variations in design, power and type of set-up will all vary so much that individuals will have to try out their own outboards and determine the weight compensation required. An excellent example of proper and improper weight distribution is offered by the owner of a flat bottom rowboat who sits in the stern, way aft, with a 5 H.P. motor and chugs along at 6 miles an hour with the bow 3' in the air. Sitting in the middle seat driving with a long handled stick he finds that he is actually able to plane out at 12 to 15 miles per hour.

7. CAVITATION

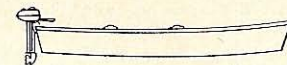
Cavitation is often called the curse of outboarding. What is it? Briefly it simply is a condition where the propeller sucks air or motor gases and runs wild in the "pocket". Most cavitation is caused by the motor being tilted too far aft or too high on the transom. Other common causes of high slip or cavitation are extreme "lift" of boat on turns, a bent propeller, wrong propeller size, weeds on lower unit, etc.

8. CARBURETOR ADJUSTMENT

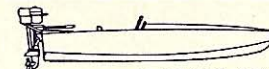
Though indirectly related to propellers this subject deserves special emphasis. Always adjust carburetor to the rich point. It is inadvisable to attempt final carburetor adjustment until the motor has run 100 yards or more wide open. The reason for this is that a two cycle engine will overflow the crank case every time you slow it down or start off, and it takes a 100 yards or more to clear the crankcase to the point where correct adjustment can be obtained. Our recommendation above of setting the carburetor to the rich point is contrary to general tendency, but doing so will result in better lubrication.

9. THE BOAT ITSELF

Present day manufacturers of outboard boats offer a huge range of hulls for the American outboard enthusiast to choose from. They range from various metals, plastics, solid woods and plywoods. Each has its merit. Some are intended as family pleasure boats, some as all around utility boats and some strictly as speed boats. Many of our inquiries here have to do with owners of inherently relatively slow-speed, nice family boats of good safe design who want to compete with the speed boys. While we sometimes can bring up speeds appreciably through propeller alteration or some other changes mentioned above, it certainly isn't in the cards for a 400 pound plank boat to compete with hulls designed for one purpose only, namely top speed, without thought to riding qualities or maximum stability.



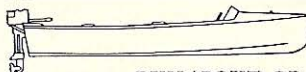
ROWBOAT — Normally limited in speed to 8 or 10 MPH regardless of power used. General purpose propeller or "AQUA-MASTER" recommended.



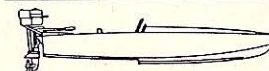
RACING RUNABOUT OR UTILITY — Primarily for competitive racing with light load. "AQUA-JET" racing propellers recommended.



RUNABOUT OR UTILITY — 11' to 14' — 160 to 225 lbs. "AQUA-JET" recommended for light loads. "AQUA-MASTER" recommended for medium and heavy loads.



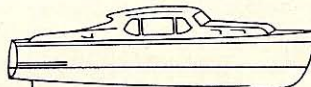
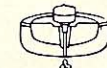
RUNABOUT OR UTILITY — 14' to 18' — 225 to 400 lbs. "AQUA-JET" recommended for light loads. "AQUA-MASTER" recommended for medium and heavy loads.



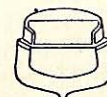
HYDROPLANE — Step bottom — For competitive racing with light load. "AQUA-JET" racing propellers recommended.



LARGE FAMILY BOATS, WORK BOATS, etc. — Loaded or light, heavy duty or "AQUA-MASTER" wheels recommended.



OUTBOARD CRUISERS — Heavy duty or "AQUA-MASTER" wheels recommended.



MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

ELTO

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Ace.....	4145, 4205	1936-37	E22	\$ 3.30	7 x 6	AL	2	General purpose
	4256, 4301, 4329, 4351, 4352	1938-39-40-41	E27	3.30	7 x 6	AL	2	General purpose
Big Quad.....	800, 820	1931-32	AJ335	18.00	9 1/2 x 15	BR	2	AJ racing for light runabout
			AM60	14.40	10 1/2 x 12 1/2	BR	3	AM for heavier boats and passengers
			AM62	13.50	10 x 13	BR	3	AM for medium boats and light loads
Fleetwin.....	For all Fleetwin.....	1932-41	AM80	9.60	8 x 9	BR	3	AM for medium boats and medium light loads
Handitwin.....	4158, 4212, 4261	1936-37-38	E32	3.30	7 1/2 x 6	AL	2	General purpose
	4307, 4332, 4357, 4358	1939-40-41						
Lightweight.....	90000, 309	1929-30	E242	3.90	8 3/4 x 8	AL	2	General purpose
	401, 411	1931-32						
Lightwin.....	4020	1934	E196	5.10	7 1/2 x 8	AL	2	General purpose
	4313, 4314	1939-40-41	E198	6.60	7 1/4 x 9	BR	2	75 lb. class boats
			E199	6.00	8 1/4 x 6	AL	2	Rowboat
			AM120	8.40	7 1/2 x 6 1/2	BR	3	AM heavier boats 14' class
			AM121	8.40	7 1/2 x 7 1/2	BR	3	AM light planing boats with light load
Pal.....	4203, 4253, 4266	1937-38-39-40-41	E40	3.00	6 x 5	AL	2	General Purpose
Service A.....	424	1932-33	AM80	9.60	8 x 9	BR	3	AM medium boats - medium and light loads
Speeditwin.....	6004, 6015, 6018, 6034 .788" shaft	1934-35-36-38	AJ290	18.00	9 1/2 x 12	BR	2	AJ racing for light runabouts
			AM50	13.50	10 x 10	BR	3	AM light runabout, light and medium load
Speediquad and Senior Quad.....	7004, 7013	1934-35	AJ335	18.00	9 1/2 x 15	BR	2	AJ racing light runabout
	314, 700, 721, 732, .788" shaft	1930-33	AM60	14.40	10 1/2 x 12 1/2	BR	3	AM for heavier boats with passengers
			AM62	13.50	10 x 13	BR	3	AM medium boats and medium and light loads
Sportfour.....	9004, 9013	1934-35	AJ345	13.20	8 3/4 x 10	BR	2	Racing for light runabouts
Speedster, 12 H.P.....	5101	1949-50	AM45	12.00	9 1/2 x 10	BR	3	AM heavier boats with passengers
			AJ23	13.20	8 3/4 x 10 1/2	BR	2	AJ speed wheel souped engine
			AJ22	13.20	8 3/4 x 9 1/2	BR	2	AJ speed wheel 12' class boats
			AJ20	13.20	8 3/4 x 10	BR	2	AJ speed wheel extra light runabouts
			AM240	10.50	8 3/4 x 10 1/2	BR	3	AM average runabout light loads
			AM241	10.50	8 3/4 x 10	BR	3	AM average runabout 2 passengers
			AM242	10.50	8 3/4 x 9	BR	3	AM heavier boats and passengers
			Y10	5.10	7 1/2 x 8	AL	2	General purpose
			AM120	8.40	7 1/2 x 6 1/2	BR	3	AM heavier boats 14' class
AM121	8.40	7 1/2 x 7 1/2	BR	3	AM light planing boats, light loads			
Sportster, 5 H.P.....	4432	1949-50	AM80	9.60	8 x 9	BR	3	AM medium boats, medium and light loads
Super "A".....	422, 456	1932-33	AM80	9.60	8 x 9	BR	3	AM medium boats, medium and light loads
Super "C".....	605, 624, 638, .788" shaft	1931-32-33	AJ290	18.00	9 1/2 x 12	BR	2	AJ racing for light runabouts
			AM50	13.50	10 x 10	BR	3	AM light runabout, light and medium loads
Big Four.....	802, 814, .788" shaft	1931-32	AJ335	\$18.00	9 1/2 x 15	BR	2	AJ racing for light runabouts
			AM60	14.40	10 1/2 x 12 1/2	BR	3	AM for heavier boats with passengers
			AM62	13.50	10 x 13	BR	3	AM medium boats and medium light loads
	8015, 1" shaft	1945-50	AJ325	18.00	9 1/2 x 14	BR	2	AJ racing runabouts, light loads
			AJ327	18.00	9 1/2 x 15	BR	2	AJ racing, souped engines
			AM173	15.30	10 1/2 x 11	BR	3	AM heavy boats and loads
			AM174	14.40	10 x 12 1/2	BR	3	AM 14' class boats and passengers
			AM175	14.40	10 x 13 1/2	BR	3	AM medium boats, medium loads

What's a vacation or fishing trip without the use of your motor — carry a spare propeller.

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

EVINRUDE

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION			
Big-Twin, 25 H.P.	2001, 2003, 25012	1951-53	AMC380	\$15.60	10 3/8 x 10	BR	3	Workboats and Ex. Heavy Loads			
			AMC381	15.60	10 3/8 x 11 1/2	BR	3	Medium Boats-Med. Loads			
			AMC382	15.60	10 3/8 x 12 1/2	BR	3	General purpose, bronze			
			AJC460	18.00	10 x 15	BR	2	14'-15' runabouts, light loads			
			AJC461	18.00	10 x 15 1/2	BR	2				
			AMC383	11.40	10 3/8 x 11 1/2	AL	3	Alum. AM 16 boats and loads			
			AMC384	14.40	11 x 10	AL	3	Alum. for barges and extra heavy loads			
			AMC385	11.40	10 3/8 x 10	AL	3	Workboats and extra heavy loads			
			AJC462	18.00	10 x 14	BR	2	Racing for 14'-16' boats			
			AJC463	15.00	10 x 15 1/2	AL	2	Runabouts, light loads			
			AJC464	15.00	10 x 14	AL	2	Racing for 14'-16' boats			
			AMC387	15.60	9 1/4 x 14 1/2	BR	3	3 blade speed wheel, med. boats			
			AMC386	11.40	9 1/4 x 14 1/2	AL	3	3 blade speed wheel, med. boats			
			Fastwin 14 H.P.	4438, 4441	1950-51-52	AMC330	13.20	8 1/2 x 11	BR	3	Medium boats, medium loads
						AMC331	13.20	8 1/2 x 10 1/2	BR	3	Heavier boats, with passengers
AMC332	13.20	8 3/4 x 9				BR	3	Work Boat, Heavy Passenger load			
AMC333	9.90	8 1/2 x 11				AL	3	Alum. AM medium boats and loads			
AMC334	9.90	8 3/4 x 9				AL	3	Alum. AM workboats and heavy passenger loads			
AJC410	13.20	8 1/2 x 11 1/2				BR	2	AJ racing, runabouts, light loads, hydroplanes			
AJC411	13.20	8 1/2 x 12				BR	2				
AJC412	11.40	8 1/2 x 11 1/2				AL	2	Racing runabouts, light loads			
AMC266	11.40	9 x 7	AL	3	Work Boats, Barges, Extra heavy loads						
Super Fastwin 15 H. P.	15012	1953	AMC330	13.20	8 1/2 x 11	BR	3	12'-14' boats, medium loads			
			AMC332	13.20	8 3/4 x 9	BR	3	14'-18' boats, medium & heavy loads			
			AMC335	13.20	8 1/2 x 12	BR	3	12'-14' boats, light loads			
			AMC333	9.90	8 1/2 x 11	AL	3	12'-14' boats, medium loads			
			AMC334	9.90	8 3/4 x 9	AL	3	14'-18' boats, medium & heavy loads			
			AJC411	13.20	8 1/2 x 12	BR	2	Racing runabouts			
			AJC413	13.20	8 1/2 x 13	BR	2				
			AJC414	11.40	8 1/2 x 13	AL	2				
			E196	5.10	7 1/2 x 8	AL	2		General purpose		
			Fisherman	4309	1939	E198	6.60	7 1/4 x 9	BR	2	75 lb. class boats
E199	6.00	8 1/4 x 6				AL	2	Row boats			
AM120	8.40	7 1/2 x 6 1/2				BR	3	AM heavier boats, 14' class			
AM121	8.40	7 1/2 x 7 1/2				BR	3	AM light planing boats with light load			
AM80	9.60	8 x 9				BR	3	AM medium boats with medium and light loads			
Fleetwin 7 1/2 H.P.	418, 450, 4034	1932-33-34	AM80	9.60	8 x 9	BR	3	AM medium boats with medium and light loads			
	4434, 4443, 4447, 7512	1950-53	AM340	8.40	7 3/4 x 7	BR	3	AM medium boats, medium loads			
			AM341	8.40	7 3/4 x 6	BR	3	AM heavier boats, with passengers			
			AJ420	12.00	7 3/4 x 9 1/2	BR	2	AJ racing, runabouts, light loads			
			AJ421	12.00	7 3/4 x 9	BR	2	A J Racing, runabouts,			
Light Four	4231, 4271, 4315, 4316, 4317, 4322, 4323, 4324, 4375, 4377, 4389, 4111, 4178	1935-50	AJ349	13.20	8 1/2 x 9 1/2	BR	2	AJ speed wheel, 12' class boats			
			AJ350	13.20	8 1/2 x 10	BR	2	AJ speed wheel, extra light runabouts			
			E446	8.10	9 x 6 1/2	AL	2	14'-16' boats with heavy loads			
			AM72	9.60	8 x 9	BR	3	AM light runabout, light load			
			AM73	9.60	8 x 8 1/2	BR	3	AM runabout, medium load			
Lightwin	402, 407	1931-32	E242	3.90	8 3/4 x 8	AL	2	General purpose			
Ranger	4252, 4265, 4334, 4406, 4407	1938-47	E40	3.00	6 x 5	AL	2	General purpose			
Scout	4201	1937	E40	3.00	6 x 5	AL	2	General purpose			
Speedifour	728, 7022, 7026, 7031, (Serial No. under 3000), 7032, 7033, .788" shaft	1932-41	AJ333	18.00	9 1/2 x 13 1/2	BR	2	AJ racing for light runabouts			
			AJ334	18.00	9 1/2 x 14	BR	2	AJ racing, souped engines			
			AM60	14.40	10 1/2 x 12 1/2	BR	3	AM heavier boats with passengers			
			AM62	13.50	10 x 13	BR	3	AM medium boats and medium and light loads			

No propeller will perform smoothly, efficiently if bent or thrown out of balance. Own a spare to use while damaged wheel is reconditioned.

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

EVINRUDE (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Speedifour.....	7031, Serial 3001 up, 1" shaft.....	1946-50	EW20	\$14.40	10 1/2 x 12 1/2	BR	3	General purpose weedless AJ racing runabouts, light loads AJ racing runabouts, light loads AJ racing, souped engines AJ racing runabouts, light loads AM 16' boats and loads AM 14' class boats and pas- sengers AM medium boats, medium loads
			AJ323	18.00	9 1/2 x 13	BR	2	
			AJ324	18.00	9 1/2 x 13 1/2	BR	2	
			AJ325	18.00	9 1/2 x 14	BR	2	
			AJ301	18.00	10 x 13	BR	2	
			AM173	15.30	10 1/2 x 11	BR	3	
			AM174	14.40	10 x 12 1/2	BR	3	
			AM175	14.40	10 x 13 1/2	BR	3	
Speeditwin.....	1U, 15U, 143, 156, 167, .750" shaft.....	1929-30-31	AM130	13.50	10 x 11	BR	3	AM light runabouts, light and medium loads
		1933-34-35	AM50	13.50	10 x 10	BR	3	AM light runabout, light and medium loads
Speedtwin.....	.788" shaft.....	1933-34-35	AJ290	18.00	9 1/2 x 12	BR	2	AJ speedwheel, souped-up motor
			6039-6041, Serial No. over 5000, 1" shaft.....	1946-51	EW10	14.40	10 1/2 x 10 1/2	BR
E285	14.40	10 x 11			BR	2		
AM161	14.40	10 1/2 x 9 1/2			BR	3		
AM162	14.40	9 3/4 x 11			BR	3		
AM163	14.40	9 3/4 x 10			BR	3		
AJ288	18.00	9 1/2 x 12			BR	2		
AJ289	18.00	9 1/2 x 12 1/2			BR	2		
AJ323	18.00	9 1/2 x 13			BR	2		
Sportfour.....	For all Sportfour.....	1932-41	AJ345	13.20	8 3/4 x 10	BR	2	Racing, light runabouts AM heavier boats with pas- sengers
			AM45	12.00	9 1/2 x 10	BR	3	
			E22	3.30	7 x 6	AL	2	
			E27	3.30	7 x 6	AL	2	
Sportsman.....	4091.....	1935	E4	3.90	7 x 6	AL	2	General purpose
	4146, 4207.....	1936-37	E4	3.90	7 x 6	AL	2	General purpose
	4285 to 4416.....	1938-47	E4	3.90	7 x 6	AL	2	General purpose
Sportwin.....	4156 to 4368.....	1936-37	E32	3.30	7 1/2 x 6	AL	2	General purpose
	4369 to 4421.....	1938-47	E8	3.90	7 1/2 x 6	AL	2	General purpose
Sturditwin.....	420.....	1932-33	AM80	9.60	8 x 9	BR	3	AM medium boats with medi- um and light loads
Weedless Sportsman.....	4418.....	1947-51	EW30	3.60	6 7/8 x 5 1/2	AL	2	General purpose
Weedless Sportwin.....	4422.....							
Zephyr.....	4359, 4361, 4362, 4363, 4378, 4379, 4381, 4382, 4402, 4403, 4404, 4405.....	1940-50	E196	5.10	7 1/2 x 8	AL	2	General purpose 75 lb. class boats Rowboat AM heavier boats 14' class AM light planing boats with light load
			E198	6.60	7 1/4 x 9	BR	2	
			E199	6.00	8 1/4 x 6	AL	2	
			AM120	8.40	7 1/2 x 6 1/2	BR	3	
			AM121	8.40	7 1/2 x 7 1/2	BR	3	

JOHNSON

A & BN Lightwin.....	J110	\$ 3.90	8 x 7	AL	2	General purpose
A25-AB25.....	J110	3.90	8 x 7	AL	2	General purpose
A35, 45.....	J114	8.10	9 1/8 x 7.7	AL	3	General purpose
A50, 80, AA37.....	J140	8.70	9 1/8 x 6	AL	3	General purpose
AT39, 10.....	J14	6.00	8 x 7 1/2	BR	2	General purpose
DS 37, 38.....	J10	3.90	8 x 4 3/4	AL	2	General purpose
DT 37, 38, 39, 10.....	J14	6.00	8 x 7 1/2	BR	2	General purpose
HA39, 10-HD39, 10-HS39, 10.....	J30	2.70	6 5/8 x 5 1/4	AL	2	General purpose
HA15-HD15-HS15.....	J40	2.70	6 5/8 x 5 1/4	AL	2	General purpose
HD20-22-25-HS20 and 1950-51.....	J52	2.70	6 5/8 x 5 1/4	AL	2	General purpose
K40, 45.....	J1222	10.50	9 x 15	BR	2	Racing for light runabouts
K50, 65, 70, 75, 80.....	J149	10.50	9 x 11	BR	2	75 lb. class light loads
	J182	10.50	9 1/2 x 9	AL	3	General purpose

**Carry a spare propeller to slip on when a damaged propeller would otherwise spoil
your boating pleasure.**

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

JOHNSON (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
KA37, 38, 39, 10, KD15, KS15.....	-----	-----	J21	\$ 9.60	9 3/4 x 7 1/4	AL	3	Work boat or heavy passenger load General purpose Speed wheel, 100 lb. class boats, light load AM heavier boats with passengers AM runabout with light loads General purpose General purpose General purpose before 1948 Work boat or heavy loads General purpose for PO1948-50 Heavy boats and loads Light boats and loads 12'-14' boats, medium loads AJ racing for light runabouts AJ racing, souped engines Hydroplane Racing AJ racing for light runabouts AJ racing for light runabouts AJ racing for light runabouts Light boats and loads Heavier boats, medium loads 16'-18' boats Light boats and loads 16'-18' boats Barges & extra heavy loads General purpose AJ racing, light runabouts Heavier boats, medium load General purpose Work boats or heavy passenger loads Racing runabouts Light boats and loads 14'-16' boats General purpose 75 lb. class, light loads AM heavier boats, loads AM fast wheel, light boats General purpose Work boat or heavy loads Hydroplane racing Heavier boats and loads Light boats and loads 12'-14' boats, medium loads General purpose General purpose AM heavier boats & loads Light boats and loads Heavier boats & loads Light boats & loads Work boats Ex. heavy loads Medium boats, medium loads General purpose 14'-15' runabouts, light loads Alum. AM 16' boats and medium loads Alum. for barges and extra heavy loads Work boats and extra heavy loads Racing for 14'-16' boats Runabouts, light loads Racing for 14'-16' boats 3 blade speed wheel, med. boats 3 blade speed wheel, med. boats
			J22	13.20	9 3/4 x 7 1/4	BR	3	
			J23	10.50	9 1/2 x 9	BR	3	
			J24	10.50	9 x 11	BR	2	
			AM20	12.00	9 1/2 x 8 1/2	BR	3	
			AM21	12.00	9 1/2 x 9	BR	3	
			J10	3.90	8 x 4 3/4	AL	2	
			J14	6.00	8 x 7 1/2	BR	2	
			J5	2.70	6 1/2 x 3 1/4	AL	2	
			J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 16	BR	3	
			J178	8.10	10 3/8 x 12 1/2	AL	3	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
AJ1194	18.00	10 x 13	BR	2				
AJ1195	18.00	10 x 14	BR	2				
AJ1196	18.80	10 x 16 1/2	BR	2				
LS&DS-37-38..... LT, DT, AT.....	-----	-----	AJC200	13.20	8 1/2 x 10	BR	2	
			AJC201	13.20	8 1/2 x 11	BR	2	
			AJC202	11.40	8 1/2 x 10	AL	2	
			AMC260	13.20	8 1/2 x 10	BR	3	
			AMC261	13.20	8 1/2 x 9 1/2	BR	3	
			AMC262	13.20	8 1/2 x 8 1/2	BR	3	
			AMC263	9.00	8 1/2 x 10	AL	3	
			AMC264	9.00	8 1/2 x 8 1/2	AL	3	
			AMC265	11.40	9 x 6	AL	3	
			J154	13.20	10 x 10	BR	2	
AJ400	13.20	9 x 12 1/2	BR	2				
MD38, 39, MS38, 39.....	-----	-----	J273	13.20	10 x 12	BR	3	
			J277	13.20	10 x 13	BR	3	
			J270	8.10	10 x 10	AL	3	
			J272	13.20	10 x 10	BR	3	
			J275	10.50	10 x 12	BR	2	
			AM220	12.00	9 1/2 x 11	BR	3	
			AM221	12.00	9 1/2 x 10 1/2	BR	3	
			J2	\$5.40	8 x 7 1/2	BR	2	
			J7	7.50	8 x 8 1/2	BR	2	
			AM90	8.40	7 3/4 x 6 1/2	BR	3	
AM91	8.40	7 3/4 x 7	BR	3				
P50, 65, 70, 75, 80, PO37, 38, 39, 10, 15, PO1948, 49, 50.....	-----	-----	J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 10	BR	3	
			J1708	14.40	10 1/2 x 16	BR	2	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
			J74	3.60	7 5/8 x 5 1/2	AL	3	
			J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
AM94	6.60	7 3/4 x 6 1/2	AL	3				
AM95	6.60	7 3/4 x 7	AL	3				
QD.....	1949-53	-----	J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
			AM94	6.60	7 3/4 x 6 1/2	AL	3	
			AM95	6.60	7 3/4 x 7	AL	3	
			AMC380	15.60	10 3/8 x 10	BR	3	
			AMC381	15.60	10 3/8 x 11 1/2	BR	3	
			AMC382	15.60	10 3/8 x 12 1/2	BR	3	
			AJC460	18.00	10 x 15	BR	2	
			AJC461	18.00	10 x 15 1/2	BR	2	
AMC383	11.40	10 3/8 x 11 1/2	AL	3				
AMC384	14.40	11 x 10	AL	3				
AMC385	11.40	10 3/8 x 10	AL	3				
AJC462	18.00	10 x 14	BR	2				
AJC463	15.00	10 x 15 1/2	AL	2				
AJC464	15.00	10 x 14	AL	2				
AMC387	15.60	9 1/4 x 14 1/2	BR	3				
AMC386	11.40	9 1/4 x 14 1/2	AL	3				
S45, 65, 70, SA, SE.....	-----	-----	J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
			AM94	6.60	7 3/4 x 6 1/2	AL	3	
			AM95	6.60	7 3/4 x 7	AL	3	
			AMC380	15.60	10 3/8 x 10	BR	3	
			AMC381	15.60	10 3/8 x 11 1/2	BR	3	
			AMC382	15.60	10 3/8 x 12 1/2	BR	3	
			AJC460	18.00	10 x 15	BR	2	
			AJC461	18.00	10 x 15 1/2	BR	2	
AMC383	11.40	10 3/8 x 11 1/2	AL	3				
AMC384	14.40	11 x 10	AL	3				
AMC385	11.40	10 3/8 x 10	AL	3				
AJC462	18.00	10 x 14	BR	2				
AJC463	15.00	10 x 15 1/2	AL	2				
AJC464	15.00	10 x 14	AL	2				
AMC387	15.60	9 1/4 x 14 1/2	BR	3				
AMC386	11.40	9 1/4 x 14 1/2	AL	3				
SD10-15-20.....	Thru 1950	-----	J273	13.20	10 x 12	BR	3	
			J277	13.20	10 x 13	BR	3	
			J270	8.10	10 x 10	AL	3	
			J272	13.20	10 x 10	BR	3	
			J275	10.50	10 x 12	BR	2	
			AM220	12.00	9 1/2 x 11	BR	3	
			AM221	12.00	9 1/2 x 10 1/2	BR	3	
			J2	\$5.40	8 x 7 1/2	BR	2	
			J7	7.50	8 x 8 1/2	BR	2	
			AM90	8.40	7 3/4 x 6 1/2	BR	3	
AM91	8.40	7 3/4 x 7	BR	3				
TD15, 20, TS15.....	-----	-----	J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 10	BR	3	
			J1708	14.40	10 1/2 x 16	BR	2	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
			J74	3.60	7 5/8 x 5 1/2	AL	3	
			J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
AM94	6.60	7 3/4 x 6 1/2	AL	3				
AM95	6.60	7 3/4 x 7	AL	3				
V45, 65, 70, VA, VE50.....	-----	-----	J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 10	BR	3	
			J1708	14.40	10 1/2 x 16	BR	2	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
			J74	3.60	7 5/8 x 5 1/2	AL	3	
			J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
AM94	6.60	7 3/4 x 6 1/2	AL	3				
AM95	6.60	7 3/4 x 7	AL	3				
200, 210.....	-----	-----	J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 10	BR	3	
			J1708	14.40	10 1/2 x 16	BR	2	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
			J74	3.60	7 5/8 x 5 1/2	AL	3	
			J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
AM94	6.60	7 3/4 x 6 1/2	AL	3				
AM95	6.60	7 3/4 x 7	AL	3				
TN, with Neutral, forward.....	1950-53	-----	J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 10	BR	3	
			J1708	14.40	10 1/2 x 16	BR	2	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
			J74	3.60	7 5/8 x 5 1/2	AL	3	
			J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
AM94	6.60	7 3/4 x 6 1/2	AL	3				
AM95	6.60	7 3/4 x 7	AL	3				
Sea Horse "25".....	Twin "RD".....	1951-53	J174	18.00	12 x 13	BR	3	
			J176	18.00	12 x 10	BR	3	
			J1708	14.40	10 1/2 x 16	BR	2	
			AM30	14.70	10 1/2 x 12 1/2	BR	3	
			AM33	14.70	9 7/8 x 14	BR	3	
			AM34	14.70	9 7/8 x 13	BR	3	
			J74	3.60	7 5/8 x 5 1/2	AL	3	
			J8	3.30	8 x 7 1/4	AL	2	
			AM92	8.40	7 3/4 x 6 1/2	BR	3	
			AM93	8.40	7 3/4 x 7	BR	3	
AM94	6.60	7 3/4 x 6 1/2	AL	3				
AM95	6.60	7 3/4 x 7	AL	3				

Propeller damage won't lay up your boat if you own a spare propeller.

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

CHAMPION

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Standard Single.....	A, 1B, S1C, S1D.....	1935-38	P44	\$3.60	7 1/2 x 6 1/2	AL	2	General purpose
Lite Twin.....	2B, S2C, S2D, R1C.....	1936-38	P45	5.10	7 1/2 x 6 1/2	BR	2	General purpose, bronze
DeLuxe Lite Twin up to Model D2D3000.....	D2D.....	1938	P50	4.80	8 1/4 x 6	AL	3	General purpose
Singles & Twins.....	S1E, D1E, S1F, S2F, B1F, S1G, D1G, M1G, 1H.....	1939-42	P51 P52	3.60 5.10	7 1/2 x 6 1/2 7 1/2 x 6 1/2	AL BR	2 2	General purpose General purpose
Singles & Twins.....	S4G, D4G, D2D, M4G, D1F.....	1938-41	P91	4.80	7 1/2 x 6 1/2	AL	3	General purpose
Standard Single.....	1J and 1L-1K, 2M.....	1946-53	P90	5.40	8 x 5 1/2	AL	2	General purpose
*DeLuxe Single.....	4.2 H.P., 2J and 2K.....	1946-50	P94	6.60	8 x 4 1/2	AL	3	Rowboats and heavier loads, weedless
*DeLuxe Twin.....	7.9 H.P., 4K.....	1948-50	P120 P122 AJ125 AM230 AM231	6.60 8.10 12.00 8.40 8.40	8 x 10 8 x 10 8 x 9 1/2 8 1/4 x 9 8 1/4 x 8 1/2	AL BR BR BR BR	2 2 2 3 3	General purpose General purpose, bronze AJ racing, light runabouts AM fast wheel, light boats and loads AM heavier boats, medium loads
Hot Rod.....	4KS and 4LS.....	1949-52	AJ130 AJ131	12.00 12.00	8 1/8 x 10 8 1/8 x 11	BR BR	2 2	AJ racing, light runabouts AJ racing, souped up
Hot Rod Special.....	4L-S-1X.....	1950-52	AJ470	13.50	7 x 9	BR	2	Racing runabouts
Super Deluxe Hydrodrive.....	2L-HD.....	1950-52	P140 P141 P142 AM232	6.00 7.50 7.50 8.40	7 1/2 x 6 1/2 7 1/2 x 6 1/2 7 1/2 x 6 7 1/2 x 9 1/2	AL BR BR BR	3 3 2 3	General purpose General purpose, bronze General purpose, weedless General purpose
Deluxe Super Deluxe Hydrodrive.....	4L..... 4L-HD.....	1952 1950-52	AM233 AJ130 AJ131	8.40 12.00 12.00	7 1/2 x 10 8 1/8 x 10 8 1/8 x 11	BR BR BR	3 2 2	Light runabouts and loads AJ racing, light runabouts AJ racing, souped up
3 M Gear Shift 5 H.P.....		1953	P160 AM235 AJ480	6.60 8.40 12.00	8 x 9 1/2	AL BR BR	2 3 2	General purpose Heavier boats & loads Racing runabouts
4 M Gear Shift 7 1/2 H.P.....		1953	P160 AM235 AJ485	6.60 8.40 12.00	8 x 9 1/2	AL BR BR	2 3 2	General purpose 14'-16' boats & loads Racing runabouts
4 M Hydro-Drive 7 1/2 H.P.....		1953	P160 AM235 AJ485	6.60 8.40 12.00	8 x 9 1/2	AL BR BR	2 3 2	General purpose 14'-16' boats & loads Racing runabouts
4 M Hot Rod 7 1/2 H.P.....		1953	AJ470	13.50	7 x 9	BR	2	Racing runabouts
6 M Hydro-Drive 15 H.P.....		1953	P170 AM238 AJ490	8.40 12.00 14.40	8 x 11 1/2	AL BR BR	2 3 2	General purpose 14'-16' boats and loads Racing runabouts
6 M Gear Shift 15 H.P.....		1953	P170 AM238 AJ490	8.40 12.00 14.40	8 x 11 1/2	AL BR BR	2 3 2	General purpose 14'-16' boats & loads Racing runabouts
6 M Hot Rod 15 H.P.....		1953	—write for propellers available after April 1, 1953					

*These models interchangeable with MAJESTIC and VOYAGER.

MUNCIE, NEPTUNE, SEAGULL, GAMBLE

Jr. Single, 1.2 and 1.5 H.P.....	1A38, 1A39, 10A1, 11A1, 11B1, 15A1, 15B1, 17A1, 17B1..	1938-47	E40	\$ 3.00	6 x 5	AL	2	General purpose
Single, 2 and 2.5 H.P.	0B1, 0B11, 0B12, 2A38, 2A39, 10A2, 11A2, 11AA2, 11B2, 15B2, 17A2..	1933-41	M10 M11 M12	3.60 6.60 3.90	7 5/8 x 5 1/8 7 5/8 x 5 1/8 8 1/2 x 4	AL BR AL	2 2 2	General purpose General purpose, bronze Rowboats and loads
2.5 H.P.....	0B2.....	1930-31	M30	3.60	9 x 9	AL	2	General purpose
3-4-5 H.P.....	0B3, 0B4, 0B5.....	1931-32						

Carry a spare propeller to slip on when a damaged propeller would otherwise spoil your boating pleasure.

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

MUNCIE, NEPTUNE, SEAGULL, GAMBLE (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Jr. Twin.....	0B31, 0B32, 0B34, 0B35, 4A38, 4A39, 10A4, 11B4, 15B4.....	1933-41						
Alternate, 5 and 6 H.P.....	5A39, 10A6, 11A6, 11AA6, 15A6, 15AA6, 15B4.....	1939-41	M20 M21	\$ 3.90 6.60	8 x 7 8 x 7	AL BR	2 2	General purpose General purpose, bronze
Imp. Twin, 6 H.P.....	6A38, 6A39, 15A6, 15AA6.....	1938-47-48						
Alternate.....	9A38, 9A39, 10A10, 11A9 11AA9, 11A10, 11- AA10, 15A10, 15AA10..... 15A9, 15AA9.....	1938-47-48	M60 M62 M65	7.50 8.70 8.70	9 x 9 8½ x 10½ 9 x 9	AL BR BR	2 2 2	General purpose Racing light runabouts Heavier boats and loads
Master Twin..... 16 H.P.	0B15, 0B16, 0B17, 16A-38 16A39, 10A16, 11A- 16, 11B16, 15A16, 15B16.....	1931-41-46	AJ400 J154 M70 M71	13.20 13.20 3.60 6.60	9 x 12½ 10 x 10 6½ x 5 6½ x 5	BR BR AL BR	2 3 2 2	AJ racing light runabouts General purpose General purpose General purpose, bronze
Alternate Twin, 3½ H.P.....	11A3, 11AA3, 15A3, 15AA3, 17AA3, 17A3.....	1941-51	M72 M73 M74	3.60 6.60 3.60	6½ x 6½ 6½ x 6½ 7½ x 5	AL BR AL	2 2 2	General purpose General purpose, bronze Best-all round propeller
H.P.....	AA4.....	1948-51						

BENDIX

Singles.....	2¼ H.P.....	1940	X5	\$ 4.80	7½ x 5	AL	2	General purpose
Twins.....	4½ H.P.....	1940	X20	5.10	8¼ x 6	AL	2	General purpose

CHRIS CRAFT

Challenger, 5 H.P.....	J.....	1949-53	C514 C515 C516 AJ500	\$ 6.00 7.50 9.90 12.00	8¼ x 9½ 8¼ x 8 8¼ x 8 7¾ x 10	AL AL BR BR	2 2 2 2	General purpose and speed 14'-18' boats with loads 14'-18' boats with loads Racing, light runabouts
Commander, 10 H.P.	K.....	1950-53	AJ430 AJ431 AM390 AM391 AM393 AM394	14.40 14.40 10.50 9.90 9.90 12.00	8½ x 10 8½ x 10½ 8 x 9 7½ x 9½ 8¼ x 8 8¼ x 8	BR BR BR BR AL BR	2 2 3 3 3 3	Racing, light runabouts Racing, light runabouts AM heavier boats and passengers AM medium boats, light loads 14'-18' boats with loads 14'-18' boats with loads

CORSAIR

All Single Cyl. Models.....	All Models.....	1948-53	SA10	\$ 3.60	7¾ x 6	AL	2	General purpose
All 5.0 H.P. Models...	All Models.....	1949-53	SA20 AMC275 AMC276	4.50 9.60 9.60	7½ x 7 6¾ x 7½ 6¾ x 7	AL BR BR	2 3 3	General purpose Medium boats, light loads Heavier boats, medium loads

Propeller damage won't lay up your boat if you own a spare propeller.

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

CORSAIR (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
All 7½ H.P. Models.....	All Models.....	1948-53	SA3	\$ 5.10	8 x 7½	AL	2	General purpose
			SA4	6.60	8 x 7½	BR	2	General purpose, bronze
			SA1	5.40	8 x 9	AL	2	75 lb. class, light loads
			AJ8	12.00	7¾ x 8½	BR	2	AJ racing, light runabouts
			AM210	8.40	7¾ x 8	BR	3	AM medium boats, light loads
			AM211	8.40	7¾ x 7	BR	3	AM medium boats with loads
			SA7	5.40	7¾ x 8	AL	3	General purpose with clutch
			AMC425	9.60	7¾ x 7½	BR	3	Medium boats and medium loads
			AMC426	9.60	7¾ x 6½	BR	3	Heavy boats or loads
			AMC427	6.90	7¾ x 7½	AL	3	Med. boats & loads
			All 10 H.P. Models.....	All Models.....	1950-53	SA16	6.10	8 x 10
AJ510	13.20	7½ x 9				BR	2	Racing runabouts
AMC435	10.50	8½ x 7				BR	3	14'-18' boats
AMC436	10.50	8½ x 8				BR	3	12'-14' boats, medium loads
AMC437	7.50	8½ x 7				AL	3	14'-18' boats

ELGIN (Sears-Roebuck)

Single, 1¼ H.P.....	571, 58301.....	1946-50	G10	\$3.30	6½ x 5	AL	2	General purpose
Single, 2½ H.P.....	571, 58401.....	1947-50	G20	3.60	7½ x 4½	AL	2	General purpose
Twin, 3½ H.P.....	571, 58501 and 21.....	1947-50	G30	3.60	7½ x 5½	AL	2	General purpose
Twin, 5, 5½-6 H.P.....	571, 58601, 11 and 21 571, 58541.....	1947-48 1949-53	G40	3.60	7½ x 7½	AL	2	General purpose
			G70	8.70	7½ x 7	BR	2	Racing, light runabouts
			AM300	6.60	6¾ x 6	BR	3	AM medium boats, light loads
			G45	6.00	6¾ x 6½	AL	3	Heavier boats and loads
Twin, 7½ H.P.....	571, 58731.....	1949-53	G50	4.80	7½ x 8½	AL	2	General purpose
			AJ52	10.50	7½ x 8½	BR	2	AJ racing, light runabouts
			AM290	8.40	6¾ x 8½	BR	3	AM medium boats, light loads
			G55	6.60	7 x 7	AL	3	Heavier boats and loads
Twin, 16 H.P.....	571, 58821 and 22.....	1949-53	G80	9.00	9 x 11	AL	2	General purpose
			AJC440	14.40	9 x 11	BR	2	AJ racing, light runabouts
			AMC350	14.40	9½ x 9	BR	3	Medium boats, light loads
			AMC351	14.40	9½ x 8	BR	3	Heavier boats and passengers, skis
			AMC352	9.90	9½ x 9	AL	3	General purpose, cushion hub

FIRESTONE

Single Cyl. 3.5 H.P.....	460, 462.....	1946	P51	\$ 3.66	7½ x 6½	AL	2	General purpose
			P52	5.10	7½ x 6½	BR	2	General purpose, bronze
Single Cyl. 3.5, 3.6, 4 H.P.....	All Singles except 460, 462.....	1946-53	SA10	3.60	7¾ x 6	AL	2	General purpose
All 5 H.P. Twins.....	All Models.....	1949-53	SA20	4.50	7½ x 7	AL	2	General purpose
			AMC275	9.60	6¾ x 7½	BR	3	Medium boats, light loads
			AMC276	9.60	6¾ x 7	BR	3	Heavier boats, medium
All 7½ H.P. Twins.....	All Models.....	1946-53	SA3	5.10	8 x 7½	AL	2	General purpose
			SA4	6.60	8 x 7½	BR	2	General purpose, bronze
			SA1	5.40	8 x 9	AL	2	75 lb. class, light loads
			AJ8	12.00	7¾ x 8½	BR	2	AJ racing, light runabouts
			AM210	8.40	7¾ x 8	BR	3	AM medium boats, light loads
			AM211	8.40	7¾ x 7	BR	3	AM medium boats with loads
			SA7	5.40	7¾ x 8	AL	3	General purpose with clutch
			AMC425	9.60	7¾ x 7½	BR	3	Med. boats and med. loads
			AMC426	9.60	7¾ x 6½	BR	3	Heavy boats or loads
			AMC427	6.90	7¾ x 7½	AL	3	Med. boats & loads
			All 10 H.P. Twins.....	All Models.....	1950-53	SA16	6.10	8 x 10
AJ510	13.20	7½ x 9				BR	2	Racing runabouts
AMC435	10.50	8½ x 7				BR	3	14'-18' boats
AMC436	10.50	8½ x 8				BR	3	12'-14' boats, medium loads
AMC437	7.50	8½ x 7				AL	3	14'-18' boats

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

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FLAMBEAU

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Single.....	2½-3 H.P.....	1947-53	FL10	\$ 3.60	7 x 6	AL	2	General purpose
Twin.....	5-6 H.P.....	1947-53	FL20	5.40	8 x 8½	AL	2	General purpose

LAUSON

Single.....	2½-3 H.P.....	1940-53	L30	\$ 4.20	7½ x 5½	AL	2	General purpose
			L31	5.40	7½ x 5½	BR	2	General purpose, bronze
Twin.....	6 H.P.....	1948-53	L50	5.40	8 x 6	AL	2	General purpose
			L51	6.60	8 x 6	BR	2	General purpose, bronze
			AM310	8.40	7½ x 6½	BR	3	AM medium boats and light loads

LE JAY

Electric, 5/8" shaft.....		Thru 1945	H50	\$ 2.70	6 x 5	AL	2	General purpose
Electrol, 7/16" shaft.....	46-A.....	1946-53	H60	3.30	6 x 5	AL	2	General purpose

MARTIN

Single, 2.3 H.P.....	"20".....	1948-53	Q20	\$ 4.20	6½ x 4¼	AL	2	General purpose
Twin, 4½ H.P.....	"40" and "45".....	1946-53	Q40	4.80	7½ x 6	AL	2	General purpose
Twin, 7.2 H.P.....	"60", "66" and "75".....	1946-53	Q10	5.40	8 x 8	AL	2	General purpose 75 lb. class, light loads Rowboats and medium runabouts, weedless AJ racing, light runabouts AM fast wheel, light boats and loads
			Q31	6.00	8 x 9½	AL	2	
			QW32	6.60	8 x 7	AL	3	
			AJ34	12.00	7¾ x 8½	BR	2	
			AM181	8.40	7½ x 8	BR	3	
Twin, Twist Shift, 7.5 H.P.....	"75".....	1952-53	Q51	6.00	8 x 6½	AL	2	Heavier boats and loads General purpose Heavier boats and loads General purpose Racing runabouts AJ racing, light runabouts, disc clutch AM medium runabouts, light loads, disc clutch Work boats, heavy loads and skis, disc clutch
			Q50	6.60	8 x 8½	AL	2	
			Q52	9.60	8 x 6½	BR	2	
			Q53	9.60	8 x 8½	BR	2	
			AJ37	12.00	7½ x 9½	BR	2	
Twin Twin, 10 H.P.....	Hi-Speed "60" 100.....	1950-53 1950-51	AJ451	13.20	7½ x 9	BR	2	
			AM362	9.90	8½ x 8	BR	3	
			AM363	9.90	8½ x 7	BR	3	
Twin, Twist Shift, 10 H.P.....	"100".....	1952-53	Q60	6.00	8 x 9	AL	2	General purpose Heavier boats & passengers Heavier boats & skis Heavier boats & passengers Heavier boats & skis
			Q61	6.60	8 x 8	AL	3	
			Q62	6.60	8 x 7	AL	3	
			Q65	9.90	8 x 8	BR	3	
			Q66	9.90	8 x 7	BR	3	
Twin "Silver- Streak" E-H.....	"200".....	1953	Q70	6.60	7½ x 8	AL	2	General purpose General purpose Racing runabouts & hydros
			Q71	9.90	7½ x 8	BR	2	
			AJ530	14.40	6¾ x 9½	BR	2	

MERCURY

Single.....	K1, 2, 3, KB1A, WA2, 3, WB2, 3, KE3.....	1940-51	K8	\$ 3.30	7½ x 6	AL	2	General purpose
Single, 3½ H.P.....	Comet, KF3.....	1949-52	K70	3.00	6¾ x 6½	AL	2	General purpose, spline hub for standard clutch
			Twin, 5 H.P.....	Super 5, KF5, and Mark 5.....	1949-53	K71	7.50	
Twin, 6 H.P.....	K4, 5, KB4, 5, WA6, WB6, KD4, WB4, WD4.....	1940-47	AJ520	12.00	6¾ x 6½	BR	2	AJ clutch hub, racing runabouts
			K15	3.60	7½ x 7	AL	2	General purpose General purpose, bronze 75 lb. class, light loads Medium boats, medium and heavy loads
			K16	6.30	7½ x 7	BR	2	
			K17	6.30	7½ x 8	BR	2	
			K19	6.60	7½ x 6½	AL	3	
			K21	8.40	7½ x 6½	BR	3	

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

MERCURY (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION				
Twin, 7½ H. P. Rocket	KE4	1947-53	K50	\$ 3.60	7½ x 8	AL	2	General purpose Heavier boats with loads, bronze General purpose, bronze Heavier boats with loads AJ racing, light runabout AJ racing, light runabout AM medium boats, light loads				
			K53	8.40	7¼ x 6½	BR	3					
			K51	7.50	7½ x 8	BR	2					
			K52	6.00	7¼ x 6½	AL	3					
			AJ57	13.20	7 x 8	BR	2					
			AJ56	13.20	7 x 7½	BR	2					
Twin 7½ H.P. (Hurricane) (Std. Lower Unit)	KG4	1950-53	AM200	8.40	6¾ x 8	BR	3	Racing runabout Racing runabout Heavy loads & skis Heavy loads & skis General purpose Heavy boats and loads				
			AJ58	13.20	7 x 8½	BR	2					
			AJ59	13.20	7 x 9	BR	2					
			K54	9.90	8 x 7	BR	3					
			K55	7.50	8 x 7	AL	3					
			K58	5.40	7½ x 9	AL	3					
Twin, 10 H. P. (Lightning)	KE7	1947-52	K40	6.00	7½ x 9	AL	3	General purpose Heavier boats, medium loads Medium boats, light loads General purpose, bronze AJ racing, light boats, light loads AJ racing, light boats, light loads AJ racing, light boats, light loads AJ racing, souped engines AM medium boats, light loads AM medium boats, heavier loads AM heavier boats and loads				
			K41	9.90	7½ x 8	BR	3					
			K43	6.00	7½ x 10	AL	3					
			K44	9.90	7½ x 9	BR	3					
			AJ45	13.20	8½ x 9	BR	2					
			AJ47	13.20	8½ x 10	BR	2					
			AJ46	13.20	8½ x 9½	BR	2					
			AJ42	14.40	7¾ x 10	BR	2					
			AM191	9.90	7½ x 10	BR	3					
			AM192	9.90	7½ x 9½	BR	3					
			AM194	10.50	8 x 8½	BR	3					
			Twin, 10 H. P. (Super Ten) and (Hurricane) Std Lower Unit	KF7, KG7	1949-52	K30	\$ 5.10		7½ x 10	AL	3	General purpose, spline hub for standard clutch General purpose, spline hub for standard clutch, bronze Heavy duty, fits disc clutch, good ski wheel AM heavier boats and pas- sengers AM medium boats, light load Special AJ for competitive racing AJ spline hub—12' runabouts
						K31	9.90		7½ x 10	BR	3	
K32	9.90	7½ x 9				BR	3					
K33	10.50	8 x 8				BR	3					
K34	9.00	8 x 8				AL	3					
*AM320	10.50	8 x 9				BR	3					
*AM322	9.90	7½ x 10½				BR	3					
*AJ48	14.40	7¾ x 10				BR	2					
*AJ49	14.40	7¾ x 10½				BR	2					
*AJ50	14.40	7¾ x 11				BR	2					
*AJ51	12.00	8¼ x 9				BR	2					
Cruiser (Gear Shift)	KH-7, Mark 20	1952-53				AJC550	14.40		AL	2	General purpose General purpose Heavier boats & loads Heavy duty & skis Heavy duty & skis General purpose, 1950 model AM medium boats, medium loads AM heavier boats and loads Workboats, cruisers AJ racing, heavier boats AJ racing, medium boats AJ racing, light boats AJ racing, 14' class boats AJ racing, medium boats AJ racing, fast light hulls	
						AJC551	18.90		BR	2		
			AJC552	18.90		BR	2					
			AMC500	15.60		AL	3					
			AMC501	21.00		BR	3					
			K28	11.40	9½ x 12	BR	2					
			AM280	14.40	9¼ x 11½	BR	3					
			AM281	14.40	9¼ x 11	BR	3					
			AM282	14.40	9½ x 9	BR	3					
			AJ80	18.00	9½ x 11½	BR	2					
			AJ81	18.00	9½ x 12	BR	2					
			AJ82	18.00	9½ x 12½	BR	2					
			AJ83	18.00	9 x 12	BR	2					
AJ84	18.00	9 x 12½	BR	2								
AJ85	18.00	9 x 13	BR	2								
Quad, (Thunderbolt)	KG9, Mark 40	1949-53	K28	11.40	9½ x 12	BR	2	General purpose, 1950 model AM medium boats, medium loads AM heavier boats and loads Workboats, cruisers AJ racing, heavier boats AJ racing, medium boats AJ racing, light boats AJ racing, 14' class boats AJ racing, medium boats AJ racing, fast light hulls				
			AM280	14.40	9¼ x 11½	BR	3					
			AM281	14.40	9¼ x 11	BR	3					
Racing Propellers for Quicksilver lower Units 7½ H.P.	KG-4	1950-53	KA6	15.60	6 x 8*	BR	2	Runabouts & hydros Hydros Racing runabouts Hydros Runabouts & hydros Hydros				
			KA7	16.80	6 x 8½*	BR	2					
			KB6	16.80	6 x 8½*	BR	2					
10H.P.	KF7, KG7	1949-53	KB7	16.80	6 x 9½*	BR	2	Runabouts & hydros Hydros				
			KD6	21.00	7¼ x 13*	BR	2					
25 H.P.	KG9	1949-53	KD7	21.00	7¼ x 13½*	BR	2	Hydros				

*Indicates not true screw

*Quicksilver propellers furnished chrome plated to order \$3.00 extra

SEA KING (Montgomery-Ward)

Single, 2.8 H.P.			K8	3.30	7½ x 6	AL	2	General purpose
Single, 1 H.P.	377, 381, 469		E40	3.00	6 x 5	AL	2	General purpose
Single, 1.8 H.P.	477		E27	3.30	7 x 6	AL	2	General purpose
Single, 1.8 H.P.	367		E4	3.90	7 x 6	AL	2	General purpose
Twin, 2.8 H.P.	449		E32	3.30	7½ x 6	AL	2	General purpose
Twin, 3.3 H.P.	378							
Twin, 3 H.P.	369, 378, 379, 8814		E8	3.90	7½ x 6	AL	2	General purpose

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

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SEA KING (Montgomery-Ward) (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Twin, 4 H.P.	400, 416, 491, 494, 499	-----	E242	\$ 3.90	8 3/4 x 8	AL	2	General purpose
Twin, 5 H.P.	371	-----	E196	5.10	7 1/2 x 8	AL	2	General purpose
			E198	6.60	7 1/4 x 9	BR	2	75 lb. class boats, light loads
			E199	6.00	8 1/4 x 6	AL	2	Rowboat
			AM120	8.40	7 1/2 x 6 1/2	BR	3	AM heavier boats, 14' class
			AM121	8.40	7 1/2 x 7 1/2	BR	3	AM light planing boats with light loads
Twin, 5 H.P.	Neutral-Forward	1951-53	J8	3.30	8 x 7 1/2	AL	2	General purpose
			AM92	8.40	7 3/4 x 6 1/2	BR	3	Heavier boats or loads
			AM93	8.40	7 3/4 x 7	BR	3	Fast wheel for light boats and loads
			AM94	6.60	7 3/4 x 6 1/2	AL	3	Heavier boats & loads
			AM95	6.60	7 3/4 x 7	AL	3	Light boats & loads
Twin, 8.5 H.P.	471, 492, 473	-----	AM80	9.60	8 x 9	BR	3	AM medium boats, medium and light loads
Twin, 12 H.P.	9017	1949-50	AJ20	13.20	8 3/4 x 10	BR	2	AJ speed wheel, extra light runabouts
			AJ22	13.20	8 3/4 x 9 1/2	BR	2	AJ speed wheel, 12' class boats
			AJ23	13.20	8 3/4 x 10 1/2	BR	2	AJ speed wheel, souped engine
			AM240	10.50	8 3/4 x 10 1/2	BR	3	AM average runabouts, light loads
			AM241	10.50	8 3/4 x 10	BR	3	AM average runabout, 2 passengers
			AM242	10.50	8 3/4 x 9	BR	3	AM heavier boats and passengers
Twin, 12 H.P.	Shift Model	1951-53	AMC330	13.20	8 1/2 x 11	BR	3	Medium boats, medium loads
			AMC331	13.20	8 1/2 x 10 1/2	BR	3	Heavier boats with passengers
			AMC332	13.20	8 3/4 x 9	BR	3	Workboats, heavy loads or skis
			AMC333	9.90	8 1/2 x 11	AL	3	Medium boats, medium loads
			AMC334	9.90	8 3/4 x 9	AL	3	Workboats, heavy loads or skis
			AJC410	13.20	8 1/2 x 11 1/2	BR	2	AJ, racing runabouts, hydroplanes
			AJC411	13.20	8 1/2 x 12	BR	2	
			AJC412	11.40	8 1/2 x 11 1/2	AL	2	Racing runabouts, light loads

SCOTT-ATWATER

All Single Cyl. Motors	1-12, 1-14	1946-53	SA10	\$ 3.60	7 3/8 x 6	AL	2	General purpose
All 5 H.P. Twins	1-16	1949-53	SA20	4.50	7 1/2 x 7	AL	2	General purpose
			AMC275	9.60	6 3/4 x 7 1/2	BR	3	Medium boats, light loads
			AMC276	9.60	6 3/4 x 7	BR	3	Heavier boats, medium loads
All 7 1/2 H.P. Twins	1-20	1946-53	SA1	5.40	8 x 9	AL	2	75 lb. class, light loads
			SA3	5.10	8 x 7 1/2	AL	2	General purpose
			SA4	6.60	8 x 7 1/2	BR	2	General purpose, bronze
			AJ8	12.00	7 3/4 x 8 1/2	BR	2	AJ racing, light runabouts
			AM210	8.40	7 3/4 x 8	BR	3	AM medium boats, light loads
			AM211	8.40	7 3/4 x 7	BR	3	AM medium boats, with loads
			SA7	5.40	7 3/4 x 8	AL	3	General purpose with clutch
			AMC425	9.60	7 3/4 x 7 1/2	BR	3	Medium boats, medium loads
			AMC426	9.60	7 3/4 x 6 1/2	BR	3	Heavy boats or loads
			AMC427	6.90	7 3/4 x 7 1/2	AL	3	Med. boats & loads
All 10 H.P. Twins	1-25	1950-53	SA16	6.10	8 x 10	AL	2	General purpose with clutch
			AJ510	13.20	7 1/2 x 9	BR	2	Racing runabouts
			AMC435	10.50	8 1/2 x 7	BR	3	14'-18' boats
			AMC436	10.50	8 1/2 x 8	BR	3	12'-14' boats, medium loads
			AMC437	7.50	8 1/2 x 7	AL	3	14'-18' boats
All 16 H.P. Twins	1-30	1950-53	AJ12	13.20	8 1/4 x 9	BR	2	AJ racing, light runabout
			AJC13	13.20	9 x 9	BR	2	
			AJC14	10.50	9 x 9	AL	2	Speed wheel. Light & Medium boats
			SAC29	12.00	9 1/2 x 6 1/2	BR	3	Heavy boats or loads, skis
			SAC30	10.50	9 1/2 x 6 1/2	AL	3	Heavy boats or loads, skis

WATERWITCH

Single, 3/4-1 H.P.	-----	1938-41	S5	\$ 3.60	6 1/2 x 4	AL	2	General purpose
Single, 2 1/4-2 3/4 H.P.	-----	1936-41	S10	3.60	7 1/2 x 7	AL	2	General purpose
Single, 3.5 H.P.	-----	1940-41	S15	3.60	8 1/2 x 7	AL	2	General purpose
Twin, 4-4 3/4 H.P.	-----	1936-39	S20	3.90	8 x 8	AL	2	General purpose
Twin, 5 3/4 H.P.	-----	1940-41	S15	3.60	8 1/2 x 7	AL	2	General purpose
			S23	4.80	8 3/4 x 7	AL	3	Rowboat
Twin, 10 H.P.	-----	1941	S50	6.90	9 x 10 1/2	AL	2	General purpose

MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

HIAWATHA, SEA BEE, ROYAL, BUCCANEER, SEA FLYER

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Single, 3-3½ H.P.		1947-51	Y1	\$ 3.90	6¾ x 5	AL	2	General purpose
Twin, 5 H.P.		1947-50	Y10	5.10	7½ x 8	AL	2	General purpose
			AM120	8.40	7½ x 6½	BR	3	AM heavier boats, 14' class
			AM121	8.40	7½ x 7½	BR	3	AM light planing boats, light loads
Twin, 5 H.P.	Neutral-Forward	1951-53	J8	3.30	8 x 7½	AL	2	General purpose
			AM92	8.40	7¾ x 6½	BR	3	Heavier boats or loads
			AM93	8.40	7¾ x 7	BR	3	Fast wheel for light boats and loads
			AM94	6.60	7¾ x 6½	AL	3	Heavier boats & loads
			AM95	6.60	7¾ x 7	AL	3	Light boats & loads
Twin, 12 H.P.		1948-50	AJ22	13.20	8¾ x 9½	BR	2	AJ speed wheel, 12' class boats
			AJ23	13.20	8¾ x 10½	BR	2	AJ speed wheel, souped engine
			AJ20	13.20	8¾ x 10	BR	2	AJ speed wheel, extra light boats
			AM240	10.50	8¾ x 10½	BR	3	AM average runabouts, light loads
			AM241	10.50	8¾ x 10	BR	3	AM average runabouts, 2 passengers
			AM242	10.50	8¾ x 9	BR	3	AM heavier boats and passengers
Twin, 12 H.P.	Shift Model	1951-53	AMC330	13.20	8½ x 11	BR	3	Medium boats, medium loads
			AMC331	13.20	8½ x 10½	BR	3	Heavier boats with passengers
			AMC332	13.20	8¾ x 9	BR	3	Workboats, heavy loads or skis
			AMC333	9.90	8½ x 11	AL	3	Medium boats, medium loads
			AMC334	9.90	8¾ x 9	AL	3	Workboats, heavy loads or skis
			AJC410	13.20	8½ x 11½	BR	2	AJ, racing runabouts, hydroplanes
			AJC411	13.20	8½ x 12	BR	2	
			AJC412	11.40	8½ x 11½	AL	2	Racing runabouts, light loads

WIZARD (Western Auto)

Single, 3.2 H.P.		1950-51	K8	3.30	7¾ x 6	AL	2	General purpose
Twin, 6 H.P.		Thru 1953	K15	\$ 3.60	7¾ x 7	AL	2	General purpose
			K16	6.30	7¾ x 7	BR	2	General purpose, bronze
			K17	6.30	7¾ x 8	BR	2	75 lb. class, light loads
			K19	6.60	7½ x 6½	AL	3	Medium boats, medium and heavy loads
			K21	8.40	7½ x 6½	BR	3	
Twin, 10 H.P.	WG7	1950-53	K40	6.00	7½ x 9	AL	3	General purpose
			K41	9.90	7½ x 8	BR	3	Heavy boats, heavy loads, skis
			K43	6.00	7½ x 10	AL	3	Medium boats, light loads
			K44	9.90	7½ x 9	BR	3	General purpose, bronze
			AJ42	14.40	7¾ x 10	BR	2	Racing runabouts
			AJ45	13.20	8½ x 9	BR	2	AJ racing, light boats, light loads
			AJ46	13.20	8½ x 9½	BR	2	AJ racing light boats, light loads
			AJ47	13.20	8½ x 10	BR	2	AJ racing, fast light hulls
			AM191	9.90	7½ x 10	BR	3	AM medium boats, light loads
			AM192	9.90	7½ x 9½	BR	3	AM medium boats, heavier loads
			AM194	10.50	8 x 8½	BR	3	AM heavier boats and loads
Powermatic (Shift)	WH-7	1952-53	AJC550	14.40		AL	2	General Purpose
			AJC551	18.90		BR	2	General Purpose
			AJC552	18.90		BR	2	Heaver boats and loads
			AMC500	15.60		AL	3	Heavy duty & skis
			AMC501	21.00		BR	3	Heavy duty & skis

RACING PROPELLERS FOR RACING MOTORS

(Order by Diameter, Pitch, Motor Make and Class)

Hi Tensil Bronze

	DIAMETER RANGE	PITCH RANGE	PRICE
Midget Evinrude	6¾" to 7"	9" to 9½"	\$15.00
"A" Johnson	7½" to 7¾"	11½" to 12"	18.00
"B" Johnson	8½" to 8¾"	12½" to 13"	20.00
"C" Johnson	8¾" to 9"	14½" to 15"	20.00
"C" Evinrude	8¾" to 9"	14½" to 15"	20.00



Custom-Built to order only. The diameter and pitch ranges indicated are normally within the range required for hydroplane racing installations.

Michigan outboard racing wheels hold more world's records and important wins than all others combined. All propeller sizes listed above are of the two blade style, from special racing design patterns and are

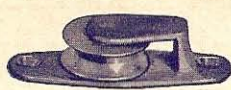
QUALITY FITTINGS THAT DRESS UP YOUR BOAT AND ADD TO YOUR BOATING PLEASURE



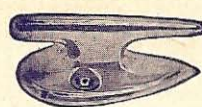
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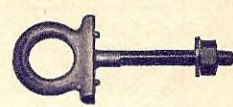
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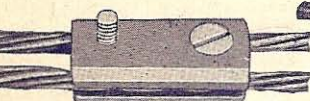
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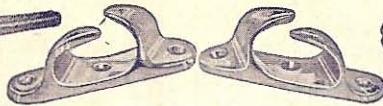
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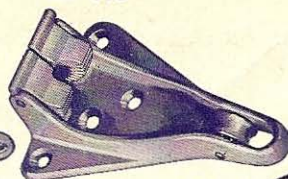
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No. 304 & 5



No. 303



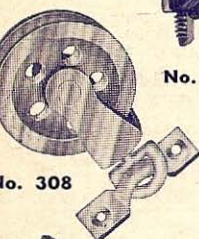
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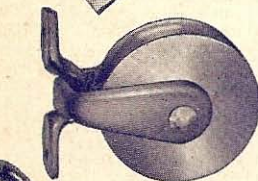
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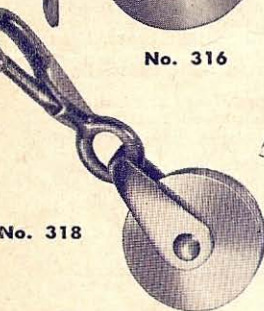
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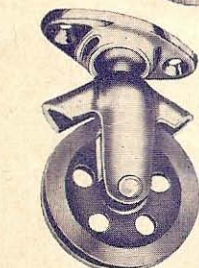
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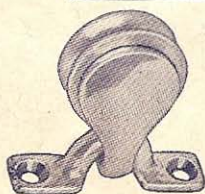
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No. 318



No. 328



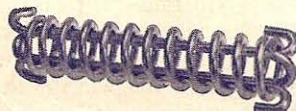
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No. 329



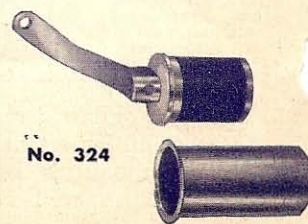
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No. 315



No. 302



No. 324

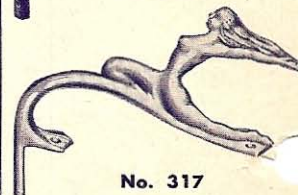
No.	Plain Alum.	Polished Alum.	Plain Brass	Polished Brass	Chrome
301 Rope Guide 3/8" Rope Size	\$.16		\$.24	\$.64	\$.69
302 Lifting Handle		\$1.70	.70	2.00	2.15
303 Bow Chock		2.70 Pr.	1.45 Pr.	3.25 Pr.	3.55 Pr.
304 Cleat (3 1/2")		.88	.52	1.08	1.18
305 Cleat (5")		1.10	.70	1.30	1.45
306 Rope Clamp (3/16")	.26		.34		
306 Rope Clamp (1/4")	.32		.44		
307 Cheek Block (1/4" rope)	1.35		1.50	2.05	2.20
308 Pulley (1 3/4" Wheel)	1.62		1.90	3.60	3.90
309 Bow Handle (7" lg.)	.86	2.16	1.28	2.76	3.00
310 Anchor Pulley Alum. self-locking	2.20				
311 Bow Eye (4" long Stud)			1.00	1.60	1.70
312 Snap Clamp Cadmium plated steel					.35
313 Fender Cleat (1/4" rope)		.70	.25		.92
315 Rope Tightener double spring					.50
316 Pulley 2" Alum. wheel brass strap	1.10		1.15		
317 Bow Handle Cast Alum.	1.10				2.25
318 Pulley Alum. Brass Snap	2.00		2.05		3.96
319 Rope Guide 3/8" Rope Size	.20		.25	.64	.70
320 Lifting Handle		1.35	.85	1.90	2.04
322 Pulley	1.04		1.14	1.80	2.02
323 Snap (3/8" opening)			.84	1.50	
323 Snap (3/8" opening)			1.10	2.00	
324 Drain Plug, 2" high, 1" diam.					3.00
326 Block (thru-transom) 1/4" rope	1.20		1.24	1.50	1.70
327 Galvanized steel shackles 1/4" screw pin					.68
328 Swivel Pulley	1.62		1.89	4.00	4.28
329 Lifting Handle (flatside)		2.04	.78	2.28	2.45
330 Rope Clamp, Brass, Adjustable			.70		



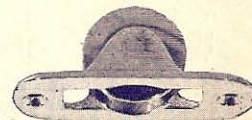
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No. 309



No. 317



No. 326

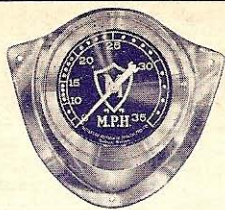


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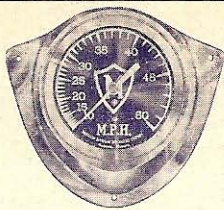
QUALITY FITTINGS THAT DRESS UP YOUR BOAT AND ADD TO YOUR BOATING PLEASURE



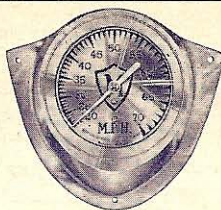
No. 210
Pitot Tube



No. 201
Speedometer



No. 202
Speedometer



No. 205
Speedometer



No. 204
Speedometer

No. 209
Transom
Clip



No. 208
Pitot Tube

WATER SPEEDOMETERS

No. 201, 202, 205 Polished Aluminum case. Precision instruments — accurate within 1%. Corrosion Resistant Throughout. Easily installed on any outboard boat. Essential in trimming your boat, checking propellers, fuels, etc.

No. 201 Registers 0-35 mph — complete with 14' plastic tube.....\$12.00

No. 202 Registers 10-50 mph—complete with 14' plastic tube.....\$14.00

No. 205 Registers 20-70 mph—complete with 14' plastic tube.....\$18.90
Deluxe model.

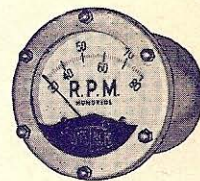
No. 204 Red Steel case. Chrome Face Ring. Registers 0.35 mph—complete with 8' plastic tube— Same precision as No's. 201, 202, 205.....\$7.00

Speedometer Spare Parts

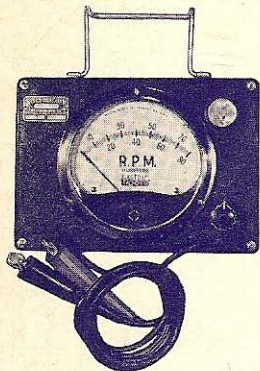
No. 208 Pitot Tube.....\$3.30
(Standard for Model 204)

No. 209 Transom Clip — use with 208 Pitot50

No. 210 Pitot Tube 4.50
(Deluxe) Complete with bracket, standard equipment for speedometer models 201, 202, 205. Fully adjustable. Swings on impact to prevent breakage.
Plastic Tubing, per foot18



No. 207
Tachometer



No. 206 Tachometer

No. 206 Tachometer (2 cycle) portable. Accurate readings from 0-8000 r.p.m. Installed by attaching to spark plug and spark wire lead.....\$58.00

STEERING WHEELS

Fine quality low cost steering wheels made of corrosion resistant high tensile aluminum, hard rubber covered with non-slip grip. Bright clear lacquer finish.

No. 207 Tachometer (2 cycle) permanent installation. Accurate readings 0-8000 r.p.m. Installed by attaching to magneto terminal and ground. Waterproof\$38.00

(Racing Type)

No. 410 Red 3 Spoke..\$15.30

No. 411 Ivory 3 Spoke 15.30

No. 412 Black 3 Spoke 15.30

(Runabout Type)

No. 401 Black 3 Spoke \$15.30

No. 402 Red 3 Spoke.. 15.30

No. 403 Ivory 3 Spoke 15.30

(Racing Type)

No. 404 Red 3 Spoke..\$15.30

No. 405 Ivory 3 Spoke 15.30

No. 406 Black 3 Spoke 15.30

(With Throttle)

No. 407

Black

3 Spoke.....\$19.85

No. 408

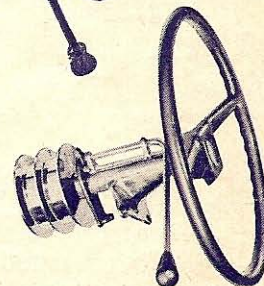
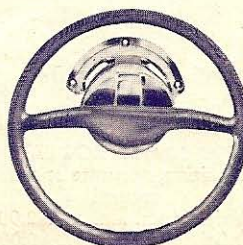
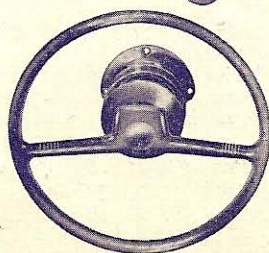
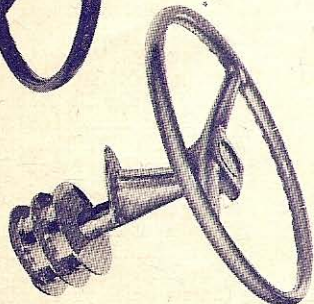
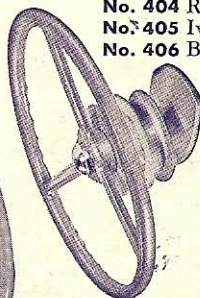
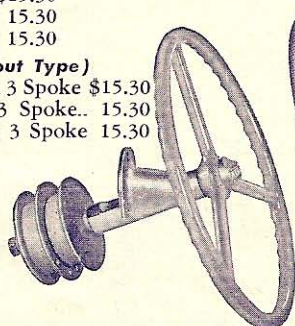
Red

3 Spoke.....\$19.85

No. 409

Ivory

3 Spoke.....\$19.85



(Runabout type)

No. 413 Red 2 Spoke..\$15.30

No. 414 Ivory 2 Spoke 15.30

No. 415 Black 2 Spoke 15.30

No. 416 Green 2 Spoke 15.30

(Racing type 12" Wheel)

No. 417 Red 2 Spoke..\$15.00

No. 418 Gold 2 Spoke 15.00

No. 419 Green 2 Spoke 15.00

No. 421 Red 2 Spoke \$15.30

No. 422 Ivory 2 Spoke 15.30

No. 423 Black 2 Spoke 15.30

No. 424 Green 2 Spoke 15.30

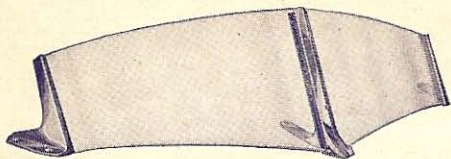
No. 425 Red 2 Spoke..\$19.85

No. 426 Ivory 2 Spoke 19.85

No. 427 Black 2 Spoke 19.85

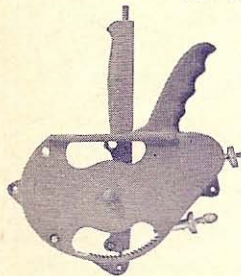
No. 428 Green 2 Spoke 19.85

QUALITY FITTINGS THAT DRESS UP YOUR BOAT AND ADD TO YOUR BOATING PLEASURE



No. 501

No. 501 WINDSHIELD BRACKETS — Three piece set. Grooves for 1/4" glass. Glass not included. Ht. ends 4 3/4", Center 8".
 Polished Brass\$14.45 Chrome \$15.40
 Polished Aluminum.....\$12.50



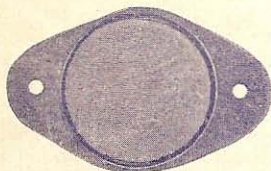
No. 506

No. 506 RACING THROTTLE. Red crinkle or green finish (specify). Automatic cut off on pressure release..\$7.00



No. 325

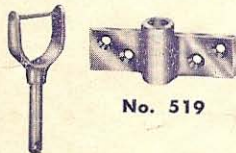
No. 325 UNIVERSAL DRIP PAN— Aluminum. Large enough for all motors, drilled\$2.25



No. 516

Transom Plate
 (With leathers) \$1.00 pr.

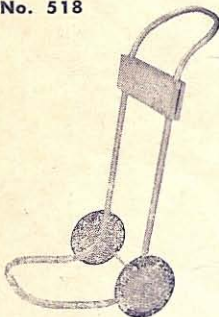
No. 518 MATCH FITTED OAR-LOCK. Per Pair:
 Plain Alum.\$1.50
 Plain Brass 2.22
 Polished Alum. 3.60
 Polished Brass 4.36



No. 519

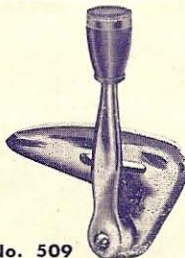
No. 519 SIDE MOUNTING BRACKET

Per Pair:
 Plain Alum.\$1.12
 Plain Brass 1.56
 Polished Alum. 2.30
 Polished Brass 2.80



No. 804

No. 804 MOTOR CARRIER
 Tube steel, Satin finish, Heavy Construction. Carries all motors through 25 H.P. Deluxe rubber tired wheels. Shipped assembled\$9.75



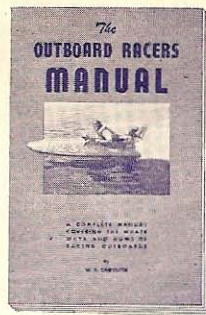
No. 509

No. 509 THROTTLE
 Positive, accurate speed control
 Plain Alum.\$2.98
 Polished Alum. 5.00
 Red Painted Alum... 3.98
 Green Painted Alum. 3.98

No. 508 BILGE PUMP
 — Zinc coated steel. 1 1/2" diameter, 24" long. Pumps 10 gallons per minute\$3.95

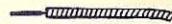


No. 508



No. 502

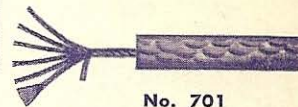
No. 502 OUTBOARD RACERS' MANUAL. Completely explains the "HOW" and "WHY" of readapting outboards for racing. Illustrations, charts, graphs. Every outboard racer should have a copy\$3.75



No. 702

No. 702 BOWDEN WIRE.... \$15 ft. Cadmium plated steel casing, wire core.

No. 701 TILLER ROPE 3/16" (wire core). Color Mahogany.....\$.12 ft.
No. 703 NYCABE CABLE 3/16" Nylon covered steel 1,000-lb. test. Will not fray — \$30 ft.



No. 701



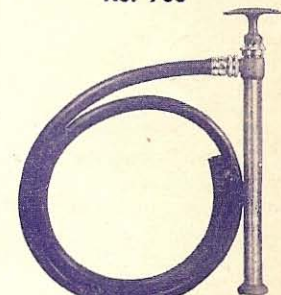
No. 703

No. 503 WATER PUMP — Double action heavily constructed, really throws water (brass). 5' hose. \$10.32

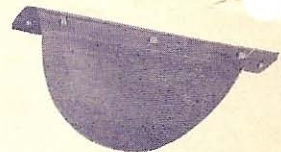


No. 606

No. 606 UNIVERSAL FLYWHEEL PULLER — Cast aluminum. Nuts and bolts included.....\$3.00

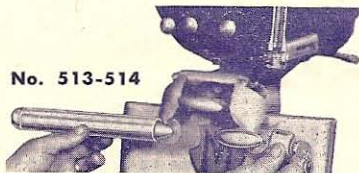


No. 503



No. 510
No. 512

No. 510 FIN. (for class M & A boats). Area 23 sq. in. High Tensile Aluminum Plain\$1.25
 With Buffed Finish.. 1.75 (Screw holes provided)
No. 512 FIN. (for class B & larger). Area 38 sq. in. High Tensile Aluminum Plain\$1.50
 With Buffed Finish.. 2.00 (Screw holes provided)



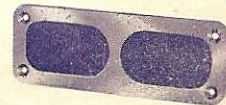
No. 513-514

Positive Protection for Outboard Motors. Heavy plated steel cylinder, all brass lock, with two keys.

No. 513 MOTORLOCK fits small motors to 10 H.P. 9" size.....\$4.95

No. 514 MOTORLOCK fits motors 10-50 H. P. 12" size..... 6.95

No. 517 TRANSOM PLATE
 Alum., Heavy leather pads fit any outboard\$2.94



No. 517

WORLD'S FINEST WATER SKIS

... for Novice
or Expert



Model 90 SKimmer Water Skis \$21.00

The finest water ski ever made for sale at this low price, SKIMMERS are ideal for the beginner or the advanced skier. They are exceptionally light, tough, fast, very buoyant and suitable for use with outboard or inboard boats. Outstanding features previously found only in high priced skis include: 5 ply moulded plywood . . . water-proof adhesive . . . adjustable rubber binding fits any foot . . . permanent curve of ski will not flatten out . . . bright red, durable enamel finish . . . each pair matched and balanced, SKimmer Skis have stable riding qualities and are strong enough for the most severe use except jumping. Full size 67½" long, 6½" wide, ⅜" thick. Packed in individual cartons. Mailable to 2nd class Post Offices.



Model 50 Bob-Lew Deluxe Skis \$42.75

Bob-Lews are deluxe skis used by professionals in the most difficult tricks and jumps. They have stable riding qualities and are suitable for use with both outboard and inboard boats. Quality features include: 9 ply moulded, white ash plywood . . . water-proof adhesive . . . adjustable binding fits any foot, made of rubber with cast aluminum strips . . . permanent curve of ski will not flatten out . . . spar varnish finish in natural color . . . very buoyant . . . pairs matched and balanced. Full size 67½" long, 6½" wide, 9/16" thick. Individually cartoned. Mailable to 2nd class Post Offices.

HEAVY DUTY GAS AND OIL CANS. Tin plated for rust-resistance. Spouts pre-galvanized. Bright red and yellow finish.



No. 608-609

No. 608 ONE GALLON CAN complete with reversible flexible metal pouring spout which reverses into can for storage purposes, with dust cap seal, removable filter screen, and handy air vent for fast, even pouring.

Each
Packed 24 to shipping carton, weight, approx. 28 lbs.....\$1.29

No. 609 TWO GALLON CAN has same features as 608.

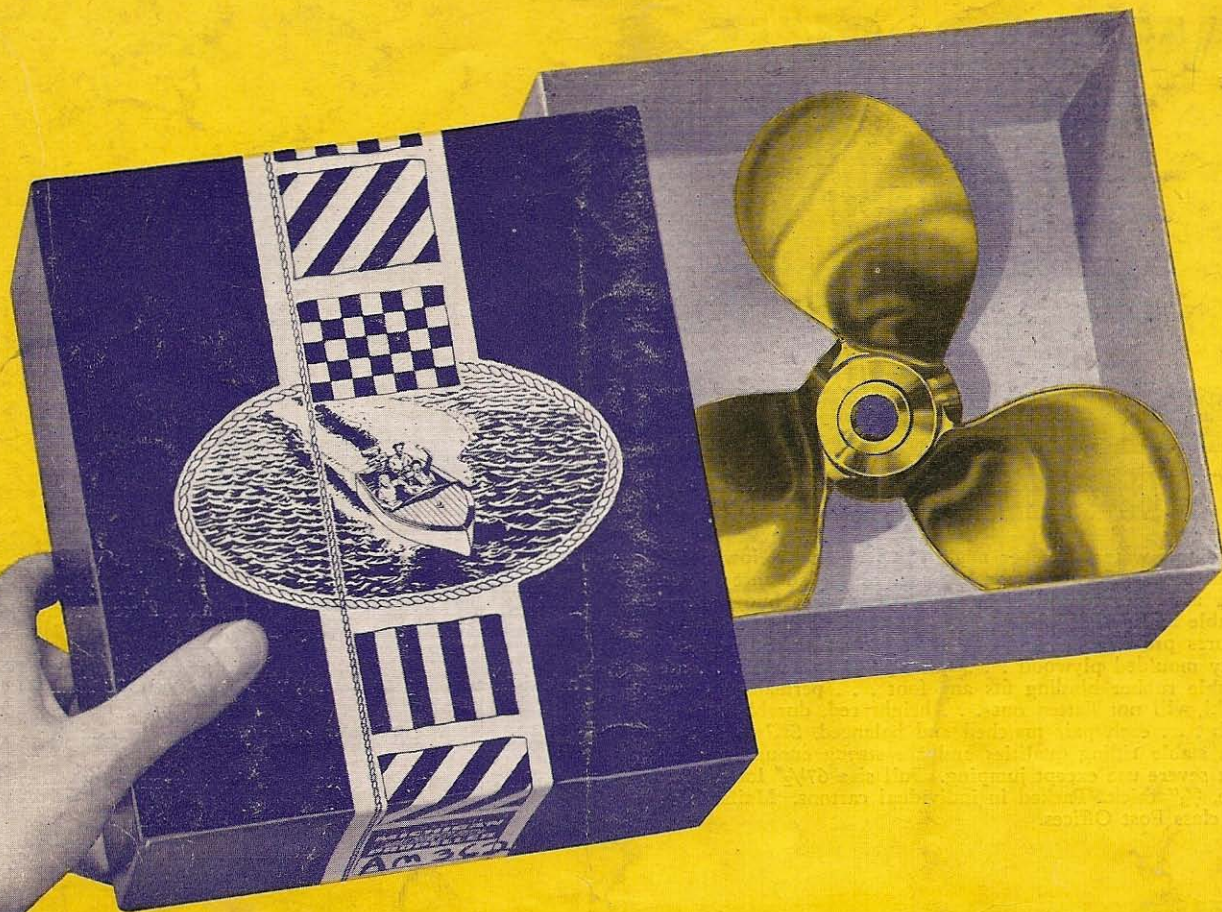
Each
Packed 12 to shipping carton, weight, approx. 20 lbs.....\$1.59
Odd lots or single cans furnished at \$.50 net extra each.



No. 610

No. 610 2½ GALLON ROUND CAN. Aluminum finish, dome top, heavy wire bail woodroll handle. Furnished with oil measure shown. Reversible flexible metal pouring spout and removable filter screen. Easily stored under boat seat.

Each
Packed 6 in shipping carton, weight, approx. 18 lbs.....\$3.24
Odd lots or single cans furnished at \$.50 net extra each.



One of the marks of a genuine MICHIGAN outboard propeller is the distinctive blue box in which each new propeller is delivered. In addition to insuring perfect condition of the propeller until placed in your hands, it affords insurance against substitution. Furthermore, it marks the product as a propeller which has been painstakingly engineered to provide the maximum of performance for the motor, boat and load conditions for which it has been recommended.