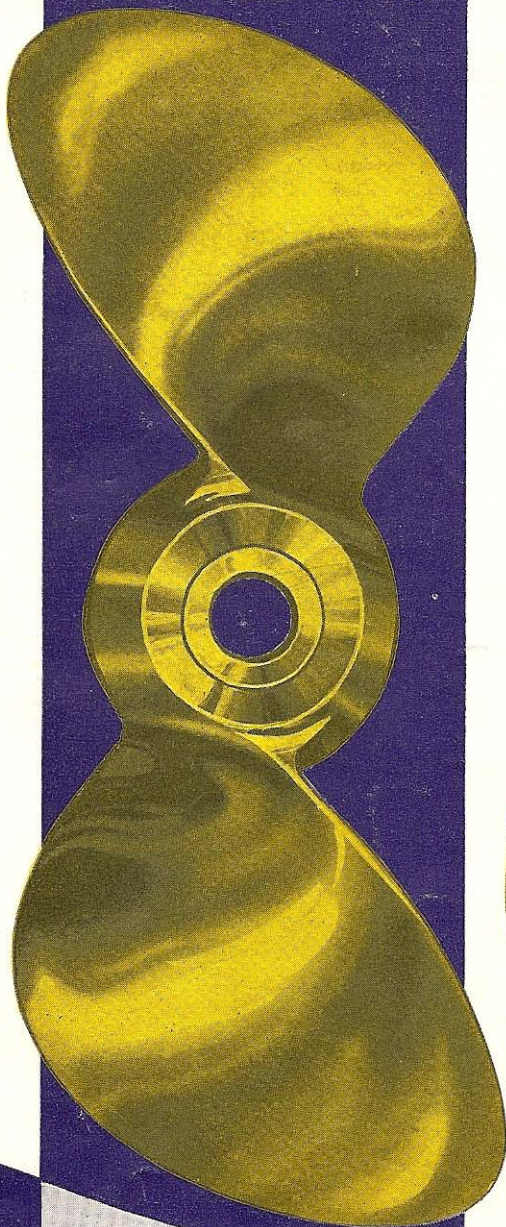
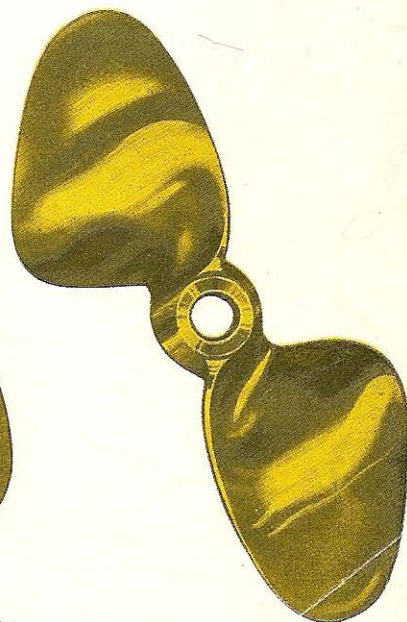


# MICHIGAN *MACHINED-PITCH* PROPELLERS



FOR OUTSTANDING  
PERFORMANCE  
IN OUTBOARD  
RACING OR  
PLEASURE BOATING



MICHIGAN WHEEL CO.

CATALOG  
NO. 054

GRAND RAPIDS, 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.

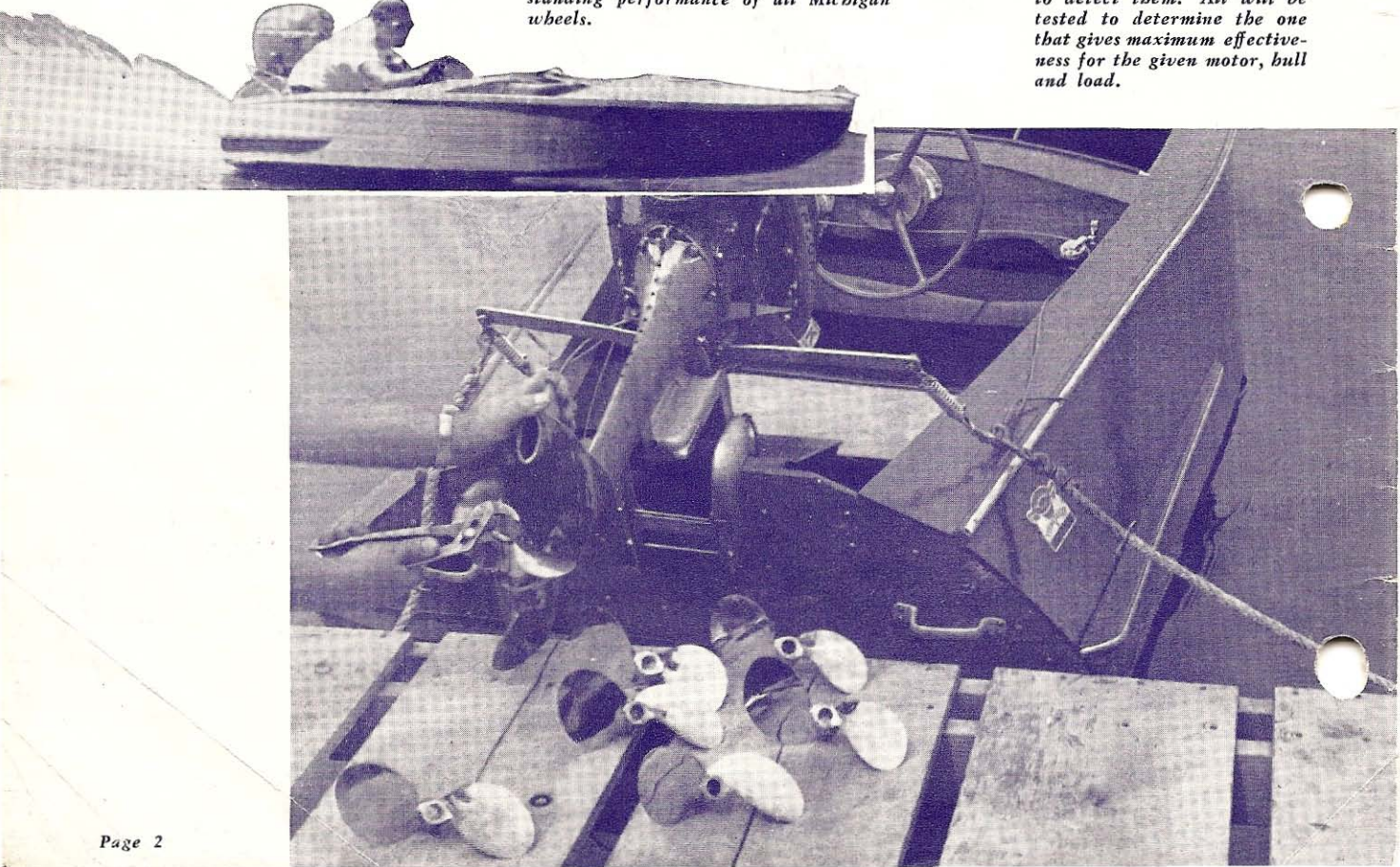
Each testing engineer runs an average of 150 miles a day, the year around. Results are measured with precision accuracy by the finest scientific instruments.

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.*

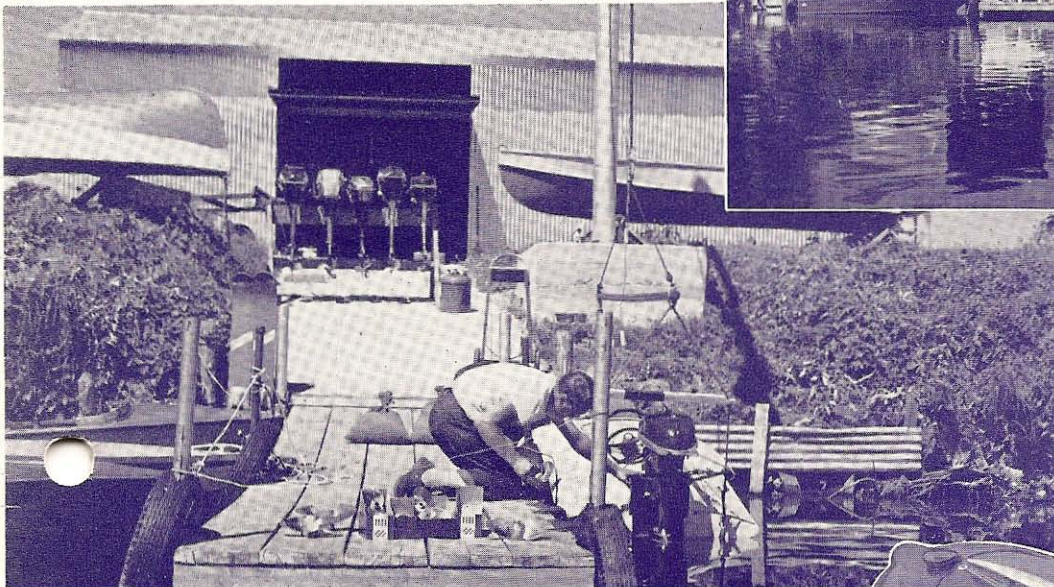
*Seven propellers with variations so slight the average layman would be unable to detect them. All will be tested to determine the one that gives maximum effectiveness for the given motor, hull and load.*





# 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.*





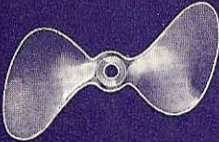


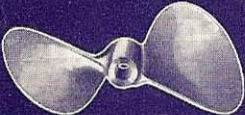


*Performance of each propeller tested is measured accurately and carefully logged.*

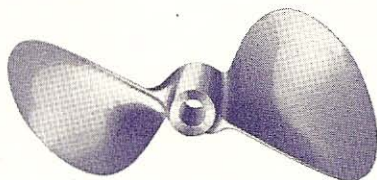




# "AQUA-JET"

Some of the Models available

	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



## RACING TYPE PROPELLERS

### 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.

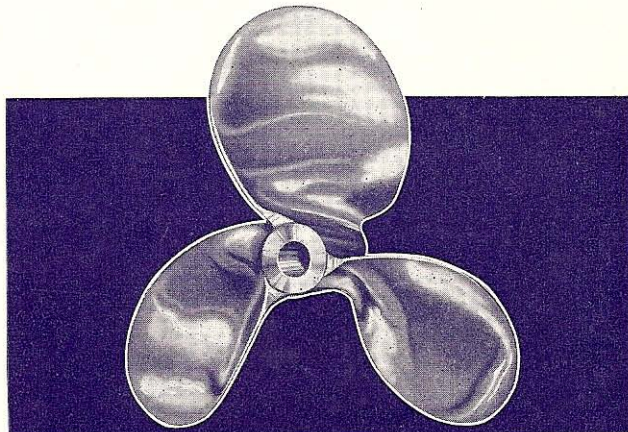
Michigan's great popularity with many thousands of boat owners throughout the world testifies to the proven abilities of Michigan AQUA-JET propellers as a truly fast speed wheel.



# The "AQUA-MASTER"

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

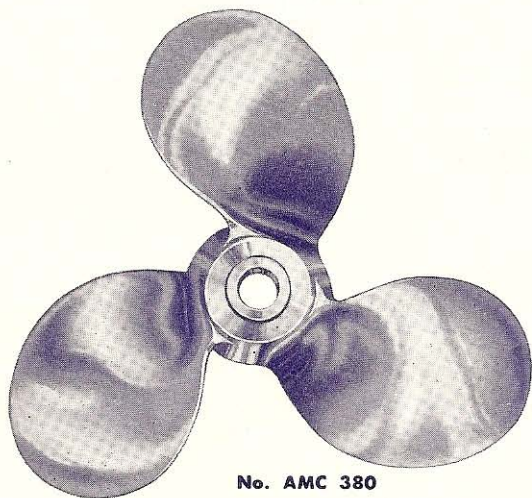
A few years ago Michigan introduced the Outboard version of our highly popular inboard "AQUA-MASTER." It immediately became recognized as the most sensationally performing propeller ever offered for service motors. In the following pages many new "AQUA-MASTERS" will now be found listed, and the range 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?

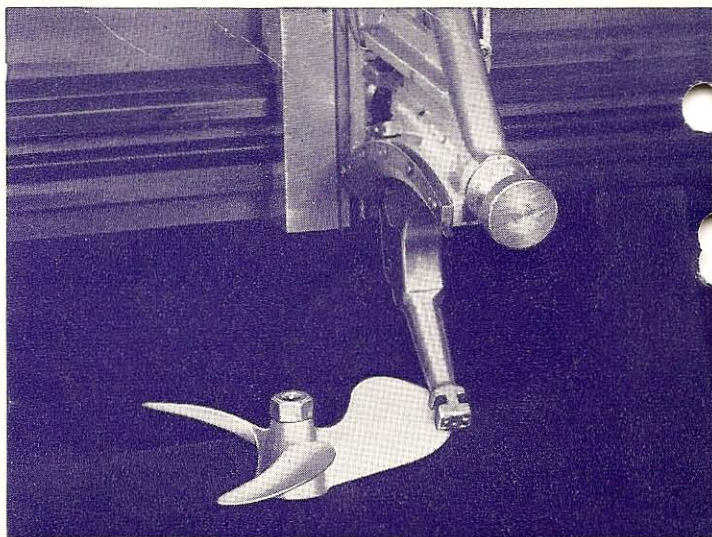
**FIRST**, a propeller must be accurate to operate with maximum efficiency. Michigan's exclusive Machined-Pitch method of manufacture guarantees accuracy in every detail. This is supplemented by our 50 years of experience and unmatched facilities.

**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.



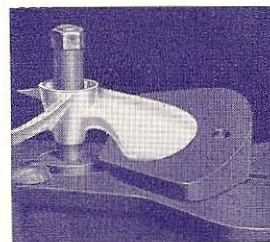
*The Helical Planer, an exclusive development of Michigan Wheel Company, eliminates the human error element and carves the original patterns of Michigan Propellers and Pitch Blocks with unflinching precision and accuracy.*

*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.*

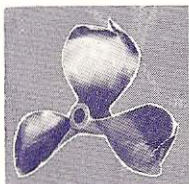
**NO OTHER PROPELLERS  
ARE MADE THIS WAY**



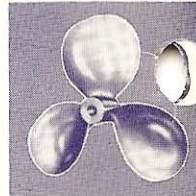
### REPAIR SERVICE FOR DAMAGED PROPELLERS

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 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 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

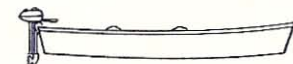
Cavitation is often called the curse of outboarding. What is it? Briefly it simply is a condition where the propeller sucks air or motor gases and runs wild in the "pocket". Most cavitation is caused by the motor being tilted too far aft or too high on the transom. Other common causes of high slip or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

## 8. CARBURETOR ADJUSTMENT

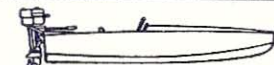
Though indirectly related to propellers this subject deserves special emphasis. Always adjust carburetor to the rich point. It is inadvisable to attempt final carburetor adjustment until the motor has run 100 yards or more wide open. The reason for this is that a two cycle engine will overflow the crank 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.



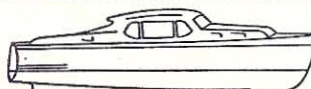
**RUNABOUT OR UTILITY** — 14' to 18' — 225 to 400 lbs. "AQUA-JET" recommended for light loads. "AQUA-MASTER" recommended for medium and heavy loads.



**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	AM60	14.40	10 1/2 x 12 1/2	BR	3	AM for heavier boats and pas- sengers
			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..... 4307, 4332, 4357, 4358	1936-37-38	E32	3.30	7 1/2 x 6	AL	2	General purpose
		1939-40-41						
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
			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	AM60	14.40	10 1/2 x 12 1/2	BR	3	AM for heavier boats with passengers
	314, 700, 721, 732, .788" shaft.....	1930-33	AM62	13.50	10 x 13	BR	3	AM medium boats and me- dium and light loads
Sportfour.....	9004, 9013.....	1934-35	AJ345	13.20	8 3/4 x 10	BR	2	Racing for light runabouts
			AM45	12.00	9 1/2 x 10	BR	3	AM heavier boats with pas- sengers
Speedster, 12 H.P.....	5101.....	1949-50	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 3/8 x 10	BR	3	AM average runabout 2 pas- sengers
			AM242	10.50	8 3/4 x 9	BR	3	AM heavier boats and passen- gers
Sportster, 5 H.P.....	4432.....	1949-50	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
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	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 me- dium light loads
	8015, 1" shaft.....	1945-50	AJ325	18.00	9 1/2 x 14	BR	2	AJ racing runabouts, light loads
			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 pas- sengers
			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	1951-54	AJC460	\$16.50	10 x 15	BR	2	14'-15' runabouts, light loads			
			AJC461	16.50	10 x 15 1/2	BR	2				
			AJC462	16.50	10 x 14	BR	2				
			AJC463	13.50	10 x 15 1/2	AL	2	Racing for 14'-16' boats			
			AJC464	13.50	10 x 14	AL	2	Runabouts, light loads			
			AMC380	14.40	10 3/8 x 10	BR	3	Racing for 14'-16' boats			
										Workboats and Ex. Heavy Loads	
			AMC381	14.40	10 3/8 x 11 1/2	BR	3	Medium Boats-Med. Loads			
			AMC382	14.40	10 3/8 x 12 1/2	BR	3	General purpose, bronze			
			AMC383	10.50	10 3/8 x 11 1/2	AL	3	Alum. AM 16 boats and loads			
			AMC384	13.50	11 x 10	AL	3	Alum. for barges and extra heavy loads			
			AMC385	10.50	10 3/8 x 10	AL	3	Workboats and extra heavy loads			
			AMC386	10.50	9 1/4 x 14 1/2	AL	3	3 blade speed wheel, med. boats			
			AMC387	14.40	9 1/4 x 14 1/2	BR	3	3 blade speed wheel, med. boats			
			AMC441	15.00	10 1/2 x 9	AL	4	Extra heavy loads—Outboard cruisers, workboats			
AMC443	15.00	10 1/2 x 11	AL	4	Twin Engine cruiser installations						
Fastwin 14 H.P. Super Fastwin 15 H. P.	4438, 4441 15012	1950-53 1954	AJC410	12.00	8 1/2 x 11 1/2	BR	2	AJ racing, runabouts, light loads, hydroplanes			
			AJC411	12.00	8 1/2 x 12	BR	2				
			AJC412	10.50	8 1/2 x 11 1/2	AL	2		Racing runabouts, light loads		
			AJC413	12.00	8 1/2 x 13	BR	2	Racing runabouts			
			AJC414	10.50	8 1/2 x 13	AL	2				
			AMC266	10.50	9 x 7	AL	3		Work Boats, Barges, Extra heavy loads		
			AMC267	10.50	9 x 8 1/2	AL	3	Twin Engine cruiser installations			
			AMC330	12.00	8 1/2 x 11	BR	3	Medium boats, medium loads			
			AMC331	12.00	8 1/2 x 10 1/2	BR	3	Heavier boats, with passengers			
			AMC332	12.00	8 3/4 x 9	BR	3	Work Boat, Heavy Passenger load			
			AMC333	9.00	8 1/2 x 11	AL	3	Alum. AM medium boats and loads			
			AMC334	9.00	8 3/4 x 9	AL	3	Alum. AM workboats and heavy passenger loads			
			AMC335	12.00	8 1/2 x 12	BR	3	12'-14' boats, light loads			
			Fisherman	4309	1939	E196	5.10	7 1/2 x 8	AL	2	General purpose 75 lb. class boats AM heavier boats, 14' class AM light planing boats with light load
						E198	6.60	7 1/4 x 9	BR	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				
Fleetwin 7 1/2 H.P.	418, 450, 4034 4434, 4443, 4447, 7512	1932-33-34	AM80	9.60	8 x 9	BR	3	AM medium boats with medium and light loads			
			1950-53	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,		
		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				
Fleetwin Aquasonic 7 1/2 H.P.	7514	1954	AJ615	10.50	7 3/4 x 9	BR	2	Light boats speed prop. Light boats speed prop. Medium boats and loads 12-14' Boats with loads 12-14' Boats with loads 16' Boats and loads			
			AJ616	9.00	7 3/4 x 9	AL	2				
			AJ617	10.50	7 3/4 x 8 1/2	BR	2				
			AM415	8.40	8 x 8	BR	3				
			AM416	6.60	8 x 8	AL	3				
			AM417	8.40	8 x 7	BR	3				
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 AJ speed wheel, extra light runabouts			
			AJ350	13.20	8 1/2 x 10	BR	2				
			E446	8.10	9 x 6 1/2	AL	2		14'-16' boats with heavy loads		
Ranger	4252, 4265, 4334, 4406, 4407	1938-47	AM72	9.60	8 x 9	BR	3	AM light runabout, light load AM runabout, medium load			
			AM73	9.60	8 x 8 1/2	BR	3				
			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 AM heavier boats with passengers AM medium boats and medium and light loads			
			AM60	14.40	10 1/2 x 12 1/2	BR	3				
			AM62	13.50	10 x 13	BR	3				

**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	AJ323	\$18.00	9 1/2 x 13	BR	2	AJ racing runabouts, light loads
			AJ324	18.00	9 1/2 x 13 1/2	BR	2	AJ racing runabouts, light loads
			AJ325	18.00	9 1/2 x 14	BR	2	AJ racing, souped engines
			AM173	15.30	10 1/2 x 11	BR	3	AM 16' 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
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
	.788" shaft.....	1933-34-35	AM50	13.50	10 x 10	BR	3	AM light runabout, light and medium loads
Speedtwin.....	6039-6041, Serial No. over 5000, 1" shaft.....	1946-51	EW10	14.40	10 1/2 x 10 1/2	BR	3	General purpose weedless Speedwheel, medium boats, light loads
			E285	14.40	10 x 11	BR	2	
			AM161	14.40	10 1/2 x 9 1/2	BR	3	AM heavy boats and loads
			AM162	14.40	9 3/4 x 11	BR	3	AM medium boats, light loads
			AM163	14.40	9 3/4 x 10	BR	3	AM medium boats, heavier loads
			AJ288	18.00	9 1/2 x 12	BR	2	AJ racing, light loads
			AJ289	18.00	9 1/2 x 12 1/2	BR	2	AJ racing, light loads
			AJ323	18.00	9 1/2 x 13	BR	2	AJ racing, souped engines
Sportfour.....	For all Sportfour.....	1932-41	AJ345	13.20	8 3/4 x 10	BR	2	Racing, light runabouts
			AM45	12.00	9 1/2 x 10	BR	3	AM heavier boats with passengers
			E22	3.30	7 x 6	AL	2	General purpose
			E27	3.30	7 x 6	AL	2	General purpose
Sportsman.....	4091.....	1935	E22	3.30	7 x 6	AL	2	General purpose
	4146, 4207.....	1936-37	E27	3.30	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 medium and light loads
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
			E198	6.60	7 1/4 x 9	BR	2	75 lb. class 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

## JOHNSON

A & BN Lightwin... 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
HD20-22-25-HS26 and 1950-51.....	.....	J52	2.70	6 5/8 x 5 1/4	AL	2	General purpose
K40, 45.....	.....	J149	10.50	9 x 11	BR	2	75 lb. class light loads
K50, 65, 70, 75, 80.....	.....						
KA37, 38, 39, 10, KD15, KS15.....	.....	J21	9.60	9 3/4 x 7 1/4	AL	3	Work boat or heavy passenger load
		J22	13.20	9 3/4 x 7 1/4	BR	3	
		J24	10.50	9 x 11	BR	2	Speed wheel, 100 lb. class boats, light load
		AM20	12.00	9 1/2 x 8 1/2	BR	3	AM heavier boats with pas- sengers

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# 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
P50, 65, 70, 75, 80, PO37, 38, 39, 10, 15, PO1948, 49, 50	-----	-----	J174	\$18.00	12 x 13	BR	3	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
			J176	18.00	12 x 10	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	
			AJC200	12.00	8 1/2 x 10	BR	2	
			AJC201	12.00	8 1/2 x 11	BR	2	
			AJC202	10.50	8 1/2 x 10	AL	2	
			AMC260	12.00	8 1/2 x 10	BR	3	
			AMC261	12.00	8 1/2 x 9 1/2	BR	3	
			AMC262	12.00	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	10.50	9 x 6	AL	3				
AMC266	10.50	9 x 7	AL	3				
S45, 65, 70, SA, SE	-----	-----	J154	13.20	10 x 10	BR	2	General purpose AJ racing, light runabouts
-----	-----	-----	AJ400	13.20	9 x 12 1/2	BR	2	
SD10-15-20	-----	Thru 1950	J277	13.20	10 x 13	BR	3	General purpose Work boats or heavy passen- ger loads Racing runabouts Light boats and loads 14'-16' boats
-----	-----	-----	J270	12.00	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	
-----	-----	-----	-----	-----	-----	-----	-----	
TD15, 20, TS15	-----	-----	J2	5.40	8 x 7 1/2	BR	2	General purpose AM heavier boats, loads AM fast wheel, light boats
-----	-----	-----	AM90	8.40	7 3/4 x 6 1/2	BR	3	
-----	-----	-----	AM91	8.40	7 3/4 x 7	BR	3	
V45, 65, 70, VA, VE50	-----	-----	J174	18.00	12 x 13	BR	3	General purpose Work boat or heavy loads Heavier boats and loads Light boats and loads 12'-14' boats, medium loads
-----	-----	-----	J176	18.00	12 x 10	BR	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	
TN, with Neutral, forward	-----	1950-53	J8	3.30	8 x 7 1/4	AL	2	General purpose AM heavier boats & loads Light boats and loads Heavier boats & loads Light boats & loads
-----	-----	-----	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	
5 1/2 HP	-----	1954	J300	3.30	8 x 7 1/2	AL	2	General Purpose Heavier boats, or med. boats with loads Heavier boats, or med. boats with loads Light boats and loads Light boats and loads
-----	-----	-----	AM430	8.40	7 3/4 x 6 1/2	BR	3	
-----	-----	-----	AM431	6.60	7 3/4 x 6 1/2	AL	3	
-----	-----	-----	AM433	8.40	7 3/4 x 7	BR	3	
-----	-----	-----	AM434	6.60	7 3/4 x 7	AL	3	
Sea Horse "25"	Twin "RD"	1951-54	AJC460	16.50	10 x 15	BR	2	14'-15' runabouts, light loads Racing for 14'-16' boats Runabouts, light loads Racing for 14'-16' boats Work boats Ex. heavy loads Medium boats, medium loads General purpose Alum. AM 16' boats and medium loads Alum. for barges and extra heavy loads Work boats and extra heavy loads 3 blade speed wheel, med. boats 3 blade speed wheel, med. boats Extra heavy loads—Outboard cruisers, workboats Twin engine cruiser install- ations
-----	-----	-----	AJC461	16.50	10 x 15 1/2	BR	2	
-----	-----	-----	AJC462	16.50	10 x 14	BR	2	
-----	-----	-----	AJC463	13.50	10 x 15 1/2	AL	2	
-----	-----	-----	AJC464	13.50	10 x 14	AL	2	
-----	-----	-----	AMC380	14.40	10 3/8 x 10	BR	3	
-----	-----	-----	AMC381	14.40	10 3/8 x 11 1/2	BR	3	
-----	-----	-----	AMC382	14.40	10 3/8 x 12 1/2	BR	3	
-----	-----	-----	AMC383	10.50	10 3/8 x 11 1/2	AL	3	
-----	-----	-----	AMC384	13.50	11 x 10	AL	3	
-----	-----	-----	AMC385	10.50	10 3/8 x 10	AL	3	
-----	-----	-----	AMC387	14.40	9 1/4 x 14 1/2	BR	3	
-----	-----	-----	AMC386	10.50	9 1/4 x 14 1/2	AL	3	
"25" Big Twin	-----	-----	AMC441	15.00	10 1/2 x 9	AL	4	
-----	-----	-----	AMC443	15.00	10 1/2 x 11	AL	4	

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# MICHIGAN PROPELLER SELECTOR AND PRICE LIST

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## 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						
Singles & Twins	S1E, D1E, S1F, S2F, B1F, S1G, D1G, M1G, 1H	1939-42	P51	3.60	7 1/2 x 6 1/2	AL	2	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 Rowboats and heavier loads, weedless
*DeLuxe Single	4.2 H.P., 2J and 2K	1946-50		P94	8.10	8 x 4 1/2	AL	
*DeLuxe Twin	7.9 H.P., 4K	1948-50	P120	6.60	8 x 10	AL	2	General purpose AJ racing, light runabouts AM fast wheel, light boats and loads AM heavier boats, medium loads
			AJ125	10.50	8 x 9 1/2	BR	2	
			AM230	8.40	8 1/4 x 9	BR	3	
			AM231	8.40	8 1/4 x 8 1/2	BR	3	
Hot Rod	4KS and 4LS	1949-52	AJ130	12.00	8 1/8 x 10	BR	2	AJ racing, light runabouts Racing runabouts
Hot Rod Special	4L-S-1X-4M	1950-53	AJ470	9.00	7 x 9	BR	2	
Super Deluxe Hydrodrive	2L-HD	1950-52	P140	6.00	7 1/2 x 6 1/2	AL	3	General purpose General purpose, bronze General purpose, weedless General purpose
			P141	6.00	7 1/2 x 6 1/2	BR	3	
			P142	6.00	7 1/2 x 6	BR	2	
			AM232	8.40	7 1/2 x 9 1/2	BR	3	
Deluxe	4L	1952	AM233	8.40	7 1/2 x 10	BR	3	Light runabouts and loads AJ racing, light runabouts
Super Deluxe Hydrodrive	4L-HD	1950-52						
3 M Gear Shift 5 H.P., 4M 7 1/2 hp.		1953	P160	6.00	8 x 9 1/2	AL	2	General purpose

\*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	1938-47-54	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	3.60	7 5/8 x 5 1/8	AL	2	General purpose General purpose, bronze
			M11	6.60	7 5/8 x 5 1/8	BR	2	
Jr. Twin	0B31, 0B32, 0B34, 0B35, 4A38, 4A39, 10A4, 11B4, 15B4	1933-41	M20	3.90	8 x 7	AL	2	General purpose
Alternate, 5 and 6 H.P.	5A39, 10A6, 11A6, 11AA6, 15A6, 15AA6, 15B4	1939-41						
Imp. Twin, 6 H.P.	6A38, 6A39, 15A6, 15AA6	1938-47-48	M60	7.50	9 x 9	AL		General purpose
Alternate	9A38, 9A39, 10A10, 11A9, 11AA9, 11A10, 11AA10, 15A10, 15AA10, 15A9, 15AA9	1938-47-48						
Master Twin 16 H.P.	0B15, 0B16, 0B17, 16A-38, 16A39, 10A16, 11A-16, 11B16, 15A16, 15B16	1931-41-46						
			J154	13.20	10 x 10	BR	3	
Alternate Twin, 3 1/2 H.P.	11A3, 11AA3, 15A3, 15AA3, 17AA3, 17A3	1941-51	M70	4.40	6 1/2 x 5	AL	2	General purpose General purpose, bronze
			M71	6.60	6 1/2 x 5	BR	2	
5 H.P.	AA4	1948-51	M72	4.40	6 1/2 x 6 1/2	AL	2	General purpose General purpose, bronze Best-all round propeller
			M73	6.60	6 1/2 x 6 1/2	BR	2	
			M74	4.40	7 1/2 x 5	AL	2	

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# MICHIGAN PROPELLER SELECTOR AND PRICE LIST

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## CHRIS CRAFT

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Challenger, 5 H.P.	J.....	1949-53	C514	\$ 6.00	8 1/4 x 9 1/2	AL	2	General purpose and speed 14'-18' boats with loads 14'-18' boats with loads
			C515	7.50	8 1/4 x 8	AL	2	
			C516	9.90	8 1/4 x 8	BR	2	
Commander, 10 H.P.	K.....	1950-53	AJ430	14.40	8 1/8 x 10	BR	2	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
			AJ431	14.40	8 1/8 x 10 1/2	BR	2	
			AM390	10.50	8 x 9	BR	3	
			AM391	9.90	7 1/2 x 9 1/2	BR	3	
			AM393	9.90	8 1/4 x 8	AL	3	
			AM394	12.00	8 1/4 x 8	BR	3	

## ELGIN (Sears-Roebuck)

Single, 1 1/4 H.P.	571, 58301	1946-50	G10	\$3.30	6 1/2 x 5	AL	2	General purpose
Single, 2 1/2 H.P.	571, 58401	1947-50	G20	3.60	7 1/2 x 4 1/2	AL	2	General purpose
Twin, 3 1/2 H.P.	571, 58501 and 21	1947-50	G30	3.60	7 1/2 x 5 1/2	AL	2	General purpose
Twin, 5, 5 1/2-6 H.P.	571, 58601, 11 and 21 571, 58541	1947-48 1949-54	G40	3.60	7 1/2 x 7 1/2	AL	2	General purpose Racing, light runabouts AM medium boats, light loads Heavier boats and loads
			G70	8.70	7 1/4 x 7	BR	2	
			AM300	6.60	6 3/4 x 6	BR	3	
			G45	6.00	6 3/4 x 6 1/2	AL	3	
Twin, 7 1/2 H.P.	571, 58731	1949-54	G50	4.80	7 1/2 x 8 1/2	AL	2	General purpose AJ racing, light runabouts AM medium boats, light loads Heavier boats and loads
			AJ52	10.50	7 1/2 x 8 1/2	BR	2	
			AM290	8.40	6 3/4 x 8 1/2	BR	3	
			G55	6.60	7 x 7	AL	3	
Twin, 16 H.P.	571, 58821 and 22	1949-54	G80	9.00	9 x 11	AL	2	General purpose AJ racing, light runabouts Medium boats, light loads Heavier boats and passengers, skis General purpose, cushion hub
			AJC440	14.40	9 x 11	BR	2	
			AMC350	14.40	9 1/2 x 9	BR	3	
			AMC351	14.40	9 1/2 x 8	BR	3	
			AMC352	9.90	9 1/2 x 9	AL	3	

## FIRESTONE, CORSAIR

Single Cyl. 3.5, 3.6, 4 H.P.	All Singles except 460, 462	1946-53	SA10	\$3.60	7 3/8 x 6	AL	2	General purpose
All 5 H.P. Twins	All Models	1949-54	SA20	4.50	7 1/2 x 7	AL	2	General purpose Medium boats, light loads Heavier boats, medium Medium boats, light loads
			AMC275	9.60	6 3/4 x 7 1/2	BR	3	
			AMC276	9.60	6 3/4 x 7	BR	3	
			AMC277	6.90	6 3/4 x 7 1/2	AL	3	
All 7 1/2 H.P. Twins	All Models	1946-54	SA3	5.10	8 x 7 1/2	AL	2	General purpose General purpose, bronze 75 lb. class, light loads AJ racing, light runabouts AM medium boats, light loads AM medium boats with loads General purpose with clutch Med. boats and med. loads Heavy boats or loads Med. boats & loads
			SA4	6.60	8 x 7 1/2	BR	2	
			SA1	5.40	8 x 9	AL	2	
			AJ8	10.50	7 3/4 x 8 1/2	BR	2	
			AM210	8.40	7 3/4 x 8	BR	3	
			AM211	8.40	7 3/4 x 7	BR	3	
			SA7	5.40	7 3/4 x 8	AL	3	
			AMC425	9.60	7 3/4 x 7 1/2	BR	3	
			AMC426	9.60	7 3/4 x 6 1/2	BR	3	
			AMC427	6.90	7 3/4 x 7 1/2	AL	3	

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# MICHIGAN PROPELLER SELECTOR AND PRICE LIST

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## FIRESTONE, CORSAIR (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
All 10 H.P. Twins.....	All Models.....	1950-54	SA16	\$6.10	8 x 10	AL	2	General purpose with clutch 12-14' runabouts, light loads cushion hub Class A racing runabouts 14'-18' boats 12'-14' boats, medium loads 14'-18' boats
			AJC510	13.20	7 1/2 x 9	BR	2	
			AJC511	13.20	7 1/2 x 10	BR	2	
			AMC435	10.50	8 1/2 x 7	BR	3	
			AMC436	10.50	8 1/2 x 8	BR	3	
AMC437	7.50	8 1/2 x 7	AL	3				
All 16 H.P. Twins.....	1-30.....	1950-54	AJ12	13.20	8 1/4 x 9	BR	2	AJ racing, light runabout Speed wheel, light & medium boats Heavy boats or loads, skis Heavy boats or loads, skis
			AJC13	13.20	9 x 9	BR	2	
			AJC14	10.50	9 x 9	AL	2	
			SAC29	12.00	9 1/2 x 6 1/2	BR	3	
			SAC30	10.50	9 1/2 x 6 1/2	AL	3	

## FLAMBEAU

Single.....	2 1/2-3 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 8 1/2	AL	2	General purpose

## LAUSON

Single.....	2 1/2-3 H.P.....	1940-54	L30	\$ 4.20	7 1/2 x 5 1/2	AL	2	General purpose General purpose, bronze
			L31	5.40	7 1/2 x 5 1/2	BR	2	
Twin.....	6 H.P.....	1948-54	L50	5.40	8 x 6	AL	2	General purpose General purpose, bronze AM medium boats and light loads
			L51	6.60	8 x 6	BR	2	
			AM310	8.40	7 1/2 x 6 1/2	BR	3	

## LE JAY

Electric, 5/8" shaft.....	.....	Thru 1945	H50	\$ 3.30	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".....	1948-54	Q20	\$ 4.20	6 1/2 x 4 1/4	AL	2	General purpose
Twin, 4 1/2 H.P.....	"40" and "45".....	1946-54	Q40	4.80	7 1/2 x 6	AL	2	General purpose General purpose, rowboats, etc. General purpose, rowboats, etc.
			Q41	4.80	7 1/2 x 4 1/2	AL	2	
			Q42	6.60	7 1/2 x 4 1/2	BR	2	
Twin, 7.2 H.P.....	"60", "66" and "75".....	1946-51	Q10	5.40	8 x 8	AL	2	General purpose 75 lb. class, light loads Rowboats and medium run- abouts, weedless AJ racing, light runabouts AM fast wheel, light boats and loads
			Q31	6.00	8 x 9 1/2	AL	2	
			QW32	6.60	8 x 7	AL	3	
			AJ34	12.00	7 3/4 x 8 1/2	BR	2	
			AM181	8.40	7 1/2 x 8	BR	3	
Twin, Twist Shift, 7.5 H.P.....	"75".....	1952-54	Q51	6.00	8 x 6 1/2	AL	2	Heavy boats and loads General purpose Heavy boats and loads General purpose Racing, light runabouts
			Q50	6.60	8 x 8 1/2	AL	2	
			Q52	9.60	8 x 6 1/2	BR	2	
			Q53	9.60	8 x 8 1/2	BR	2	
			AJ39	12.00	7 1/2 x 8 1/2	BR	2	
Twin.....	Hi-Speed "60".....	1950-53	AJ37	12.00	7 1/2 x 9 1/2	BR	2	Racing runabouts
Twin, 10 H.P.....	100.....	1950-51	AJ451	13.20	7 1/2 x 9	BR	2	AJ racing, light runabouts, disc clutch AM medium runabouts, light loads, disc clutch Work boats, heavy loads and skis, disc clutch
			AM362	9.90	8 1/2 x 8	BR	3	
			AM363	9.90	8 1/2 x 7	BR	3	



# MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

## MARTIN (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Twin, Twist Shift, 10 H.P.	"100"	1952-54	O60	\$6.00	8 x 9	AL	2	General purpose
			O61	6.60	8 x 8	AL	3	Heavier boats & passengers
			O62	6.60	8 x 7	AL	3	Heavier boats & skis
			O65	9.90	8 x 8	BR	3	Heavier boats & passengers
			O66	9.90	8 x 7	BR	3	Heavier boats & skis
Twin "Silver- Streak" E-II	"200"	1953-54	AJ44	12.00	7½ x 9	BR	2	Racing, light runabouts
			O70	6.60	7½ x 8	AL	2	General purpose
			O71	9.90	7½ x 8	BR	2	General purpose
			AJ530	14.40	6¾ x 9½	BR	2	Racing runabouts & hydros
			AM420	9.90	7¾ x 6	BR	3	12-14' boats with loads or skis
			AM421	9.90	7¾ x 7	BR	3	12-14' boats with light loads, 1 pass.

## 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. Twin, 5 H.P.	Comet, KF3 Super 5, KF5, and Mark 5	1949-52	K70	3.00	6¾ x 6½	AL	2	General purpose, spline hub for standard clutch
		1949-54	K71	7.50	6¾ x 6½	BR	2	
			AJ520	12.00	6¾ x 6½	BR	2	AJ clutch hub, racing run- abouts
			AM400	7.50	7 x 5	BR	3	General purpose 12-16' class
	AM401	6.00	7 x 5	AL	3	General Purpose 12-16' class		
Twin, 6 H.P.	K4, 5, KB4, 5, WA6, WB6, KD4, WB4, WD4	1940-47	K15	3.60	7½ x 7	AL	2	General purpose
			K16	6.30	7½ x 7	BR	2	General purpose, bronze
			K17	6.30	7½ 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, 7½ H. P. Rocket, Mark 7	KE4	1947-54	K50	3.60	7½ x 8	AL	2	General purpose
			K53	8.40	7¼ x 6½	BR	3	Heavier boats with loads, bronze
			K51	7.50	7½ x 8	BR	2	General purpose, bronze
			K52	6.00	7¼ x 6½	AL	3	Heavier boats with loads
			AJ57	13.20	7 x 8	BR	2	AJ racing, light runabout
			AJ56	13.20	7 x 7½	BR	2	AJ racing, light runabout
Twin 7½ H.P. (Hurricane) (Std. Lower Unit)	KG4	1950-53	AM200	8.40	6¾ x 8	BR	3	AM medium boats, light loads
			AJ58	13.20	7 x 8½	BR	2	Racing runabout
			AJ59	13.20	7 x 9	BR	2	Racing runabout
			K54	9.90	8 x 7	BR	3	Heavy loads & skis
			K55	7.50	8 x 7	AL	3	Heavy loads & skis
			K58	5.40	7½ x 9	AL	3	General purpose
Gear-Shift	Mark 15	1953	K59	9.90	7½ x 8	BR	3	Heavy boats and loads
			AJC600	14.40	9 x 9½	BR	2	12' boats 2-3-Persons
			AJC602	14.40	9 x 10	BR	2	12' boats, 1-2 Persons
			AJC603	12.00	9 x 10	AL	2	12' boats, 1-2 Persons
			AMC450	15.60	9 x 8½	BR	3	14-16' boats and loads, skis
			AMC452	15.60	9 x 9	BR	3	12-14' boats
Twin, 10 H. P. (Lightning)	KE7	1947-52	AMC453	13.20	9 x 9	AL	3	12-14' boats
			K40	6.00	7½ x 9	AL	3	General purpose
			K41	9.90	7½ x 8	BR	3	Heavier boats, medium loads
			K43	6.00	7½ x 10	AL	3	Medium boats, light loads
			K44	9.90	7½ x 9	BR	3	General purpose, bronze
			AJ45	13.20	8½ x 9	BR	2	AJ racing, light boats, light loads
			AJ47	13.20	8½ x 10	BR	2	AJ racing, light boats, light loads
			AJ46	13.20	8½ x 9½	BR	2	AJ racing, light boats, light loads
			AJ42	14.40	7¾ x 10	BR	2	AJ racing, souped engines
			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			



# 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, 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
			K31	9.90	7½ x 10	BR	3	General purpose, spline hub for standard clutch, bronze
			K32	9.90	7½ x 9	BR	3	
			K33	10.50	8 x 8	BR	3	
			K34	9.00	8 x 8	AL	3	Heavy duty, fits disc clutch, good ski wheel
			*AM320	10.50	8 x 9	BR	3	
			*AM322	9.90	7½ x 10 ½	BR	3	AM heavier boats and passengers
			*AJ48	14.40	7¾ x 10	BR	2	AM medium boats, light load Special AJ for competitive racing
			*AJ49	14.40	7¾ x 10 ½	BR	2	
			*AJ50	14.40	7¾ x 11	BR	2	
AJ51	12.00	8¾ x 9	BR	2				
*NOTE: Above AJ and AM require spline adaptor kits at \$3.10 each.								
Cruiser (Gear Shift)	KH-7, Mark 20	1952-54	AJC550	14.40	9 x 11	AL	2	AJ, Fast Boats, Lite Loads
			AJC551	18.00	9 x 11	BR	2	AJ, Fast Boats, Lite Loads
			AJC552	18.00	9 x 10	BR	2	Heavier boats & loads
			AMC500	15.60	9 x 10	AL	3	Heavy duty & skis
			AMC501	18.00	9 x 10	BR	3	Heavy duty & skis
			AMC502	18.00	9 x 9	BR	3	14-16' runabouts with loads or skis
			AMC503	15.60	9 x 9	AL	3	14-16' runabouts with loads or skis
Quad, (Thunderbolt)	KG9, Mark 40	1949-53	K28	11.40	9½ x 12	BR	2	General purpose,
			AM280	14.40	9¼ x 11 ½	BR	3	AM medium boats, medium loads
			AM281	14.40	9¼ x 11	BR	3	AM heavier boats and loads
			AM282	14.40	9½ x 9	BR	3	Workboats, cruisers
			AJ80	18.00	9½ x 11 ½	BR	2	AJ racing, heavier boats
			AJ81	18.00	9½ x 12	BR	2	AJ racing, medium boats
			AJ82	18.00	9½ x 12 ½	BR	2	AJ racing, light boats
			AJ83	18.00	9 x 12	BR	2	AJ racing, 14' class boats
			AJ84	18.00	9 x 12 ½	BR	2	AJ racing, medium boats
			AJ85	18.00	9 x 13	BR	2	AJ racing, fast light hulls
Racing Propellers for Quicksilver lower Units 7½ H.P.	KG-4	1950-54	KA6	15.60	5½ x 8*	BR	2	Runabouts & hydros
			KA7	16.80	6 x 8 ½*	BR	2	Hydros
			KB6	16.80	6 x 8 ½*	BR	2	Racing runabouts
			KB7	16.80	6 x 9 ½*	BR	2	Hydros
			KD6	21.00	7¼ x 13*	BR	2	Runabouts & hydros
10 H.P.	KF7, KG7	1949-54	KD7	21.00	7¼ x 13 ½*	BR	2	Hydros
25 H.P.			KG9	1949-54				

\*Indicates not true screw

## 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
Twin, 4 H.P.	400, 416, 491, 494, 499							
Twin, 5 H.P.	371		E196	5.10	7½ x 8	AL	2	General purpose
			E198	6.60	7¼ x 9	BR	2	75 lb. class boats, light loads
			AM120	8.40	7½ x 6 ½	BR	3	AM heavier boats, 14' class
			AM121	8.40	7½ x 7 ½	BR	3	AM light planing boats with light loads
Twin, 5 H.P.	Neutral-Forward	1951-54	J8	3.30	8 x 7 ½	AL	2	General purpose
			AM92	8.40	7¾ x 6 ½	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 6 ½	AL	3	Heavier boats & loads
			AM95	6.60	7¾ 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 Non-Shift	1949-50	AJ20	13.20	8¾ x 10	BR	2	AJ speed wheel, extra light runabouts
			AJ22	13.20	8¾ x 9 ½	BR	2	AJ speed wheel, 12' class boats
			AJ23	13.20	8¾ x 10 ½	BR	2	AJ speed wheel, souped engine
			AM240	10.50	8¾ x 10 ½	BR	3	AM average runabouts, light loads
			AM241	10.50	8¾ x 10	BR	3	AM average runabout, 2 passengers
			AM242	10.50	8¾ x 9	BR	3	AM heavier boats and passengers



# MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

## SEA KING (Montgomery-Ward) (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Twin, 12 H.P.	Shift Model	1951-54	AMC330	\$12.00	8½ x 11	BR	3	Medium boats, medium loads Heavier boats with passengers Workboats, heavy loads or skis
			AMC331	12.00	8½ x 10½	BR	3	
			AMC332	12.00	8¾ x 9	BR	3	
			AMC333	9.00	8½ x 11	AL	3	Medium boats, medium loads Workboats, heavy loads or skis
			AMC334	9.00	8¾ x 9	AL	3	
			AJC410	12.00	8½ x 11½	BR	2	AJ, racing runabouts, hydroplanes Racing runabouts, light loads
			AJC411	12.00	8½ x 12	BR	2	
			AJC412	10.50	8½ x 11½	AL	2	

## SCOTT-ATWATER

All Single Cyl. Motors	1-12, 1-14	1946-54	SA10	\$ 3.60	7¾ x 6	AL	2	General purpose			
All 5 H.P. Twins	1-16	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 loads			
			AMC277	6.90	6¾ x 7½	AL	3	Medium boats, light loads			
5 H.P. Twins	Bail-A-Matic	1954	SAC40	4.50	7½ x 6	AL	2	General purpose			
			AMC510	6.90	7 x 6	AL	3	12-14' runabouts			
			AMC511	9.60	7 x 6	BR	3	12-14' runabouts			
			SA1	5.40	8 x 9	AL	2	75 lb. class, light loads			
7½ H.P. Twins	1-20	1946-53	SA3	5.10	8 x 7½	AL	2	General purpose			
			SA4	6.60	8 x 7½	BR	2	General purpose, bronze			
			AJ8	10.50	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, 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			
			7½ H.P. Twins	Bail-A-Matic	1954	SAC50	5.10	8 x 7	AL	2	General purpose
						AMC520	6.90	7¾ x 6	AL	3	12-14' runabouts
						AMC521	9.60	7¾ x 6	BR	3	12-14' runabouts
SA16	6.10	8 x 10				AL	2	General purpose with clutch			
10 H.P. Twins	1-25	1950-53	AJC510	13.20	7½ x 9	BR	2	12-14' runabouts, light loads — cushion hub			
			AJC511	13.20	7½ x 10	BR	2	Class A 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			
			SAC60	6.00	8½ x 9½	AL	2	General purpose			
10 H.P. Twins	Bail-A-Matic	1954	AMC530	7.50	8½ x 7½	AL	3	12-16' boats medium and heavy loads			
			AMC531	10.50	8½ x 7½	BR	3	12-16' boats medium and heavy loads			
			AJ12	13.20	8½ x 9	BR	2	AJ racing, light runabout			
			AJC13	13.20	9 x 9	BR	2	Speed wheel. Light & Medium boats			
All 16 H.P. Twins	1-30	1950-54	AJC14	10.50	9 x 9	AL	2	Speed wheel. Light & Medium boats			
			SAC29	12.00	9½ x 6½	BR	3	Heavy boats or loads, skis			
			SAC30	10.50	9½ x 6½	AL	3	Heavy boats or loads, skis			

## WATERWITCH

Single, ¾-1 H.P.	1938-41	S5	\$ 3.60	6½ x 4	AL	2	General purpose
Single, 2½-2¾ H.P.	1936-41	S10	3.60	7½ x 7	AL	2	General purpose
Single, 3.5 H.P.	1940-41	S15	3.60	8½ x 7	AL	2	General purpose
Twin, 4-4¾ H.P.	1936-39	S20	3.90	8 x 8	AL	2	General purpose
Twin, 5¾ H.P.	1940-41	S15	3.60	8½ x 7	AL	2	General purpose
		S23	4.80	8½ x 7	AL	3	Rowboat
Twin, 10 H.P.	1941	S50	6.90	9 x 10½	AL	2	General purpose

## HIAWATHA, SEA BEE, ROYAL, BUCCANEER, SEA FLYER, ATLAS, BROOKLURE

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	
		J8	3.30	8 x 7½	AL	2	General purpose	
Twin, 5 H.P.	Neutral-Forward	1951-54	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



# MICHIGAN PROPELLER SELECTOR AND PRICE LIST

Prices Subject To Change Without Notice

## HIAWATHA, SEA BEE, ROYAL, BUCCANEER, SEA FLYER, ATLAS, BROOKLURE (Continued)

MOTOR	MODEL No.	YEAR	Part No.	Price	Dia. and Pitch	Metal	No. Blades	RECOMMENDATION
Twin, 12 H.P.	Non-Shift	1948-52	AJ22	\$13.20	8 3/4 x 9 1/2	BR	2	AJ speed wheel, 12' class boats AJ speed wheel, souped engine AJ speed wheel, extra light boats AM average runabouts, light loads AM average runabouts, 2 passengers AM heavier boats and passengers Medium boats, medium loads Heavier boats with passengers Workboats, heavy loads or skis Medium boats, medium loads Workboats, heavy loads or skis AJ, racing runabouts, hydroplanes Racing runabouts, light loads
			AJ23	13.20	8 3/4 x 10 1/2	BR	2	
			AJ20	13.20	8 3/4 x 10	BR	2	
			AM240	10.50	8 3/4 x 10 1/2	BR	3	
			AM241	10.50	8 3/4 x 10	BR	3	
			AM242	10.50	8 3/4 x 9	BR	3	
Twin, 12 H.P.	Shift Model	1951-54	AMC330	12.00	8 1/2 x 11	BR	3	
			AMC331	12.00	8 1/2 x 10 1/2	BR	3	
			AMC332	12.00	8 3/4 x 9	BR	3	
			AMC333	9.00	8 1/2 x 11	AL	3	
			AMC334	9.00	8 3/4 x 9	AL	3	
			AJC410	12.00	8 1/2 x 11 1/2	BR	2	
			AJC411	12.00	8 1/2 x 12	BR	2	
			AJC412	10.50	8 1/2 x 11 1/2	AL	2	

## WIZARD (Western Auto)

Single, 3.2 H.P.		1950-51 Thru 1954	K8	\$ 3.30	7 7/8 x 6	AL	2	General purpose General purpose
Twin, 6 H.P.			K15	3.60	7 7/8 x 7	AL	2	
			K16	6.30	7 7/8 x 7	BR	2	General purpose, bronze
			K17	6.30	7 7/8 x 8	BR	2	75 lb. class, light loads
			K19	6.60	7 1/2 x 6 1/2	AL	3	Medium boats, medium and heavy loads
			K21	8.40	7 1/2 x 6 1/2	BR	3	
			AJ90	9.90	7 x 8	BR	2	
			AM440	9.00	6 3/4 x 7	BR	3	10' racing runabouts 12' runabouts 1-2 persons
Twin, 10 H.P.	WG7	1950-53	K40	6.00	7 1/2 x 9	AL	3	General purpose Heavy boats, heavy loads, skis Medium boats, light loads General purpose, bronze Racing runabouts AJ racing, light boats, light loads AJ racing light boats, light loads AJ racing, fast light hulls AM medium boats, light loads AM medium boats, heavier loads AM heavier boats and loads
			K41	9.90	7 1/2 x 8	BR	3	
			K43	6.00	7 1/2 x 10	AL	3	
			K44	9.90	7 1/2 x 9	BR	3	
			AJ42	14.40	7 3/4 x 10	BR	2	
			AJ45	13.20	8 1/8 x 9	BR	2	
			AJ46	13.20	8 1/8 x 9 1/2	BR	2	
			AJ47	13.20	8 1/8 x 10	BR	2	
			AM191	9.90	7 1/2 x 10	BR	3	
			AM192	9.90	7 1/2 x 9 1/2	BR	3	
10 H.P. Twins	WG7A		AM194	10.50	8 x 8 1/2	BR	3	General purpose, fits disc clutch Heavy duty skis, fits disc clutch 12' runabouts, light loads, fits disc clutch
			K31	9.90	7 1/2 x 10	BR	3	
			K33	10.50	8 x 8	BR	3	
			AJ51	12.00	8 1/4 x 9	B	2	
Powermatic (Shift)	WH-7-WK7	1952-54	AJC550	14.40	9 x 11	AL	2	General Purpose General Purpose Heaver boats and loads 14' boats, 1-2 passengers 14' boats, 1-2 passengers
			AJC551	18.00	9 x 11	BR	2	
			AJC552	18.00	9 x 10	BR	2	
			AMC500	15.60	9 x 10	AL	3	
			AMC501	18.00	9 x 10	BR	3	

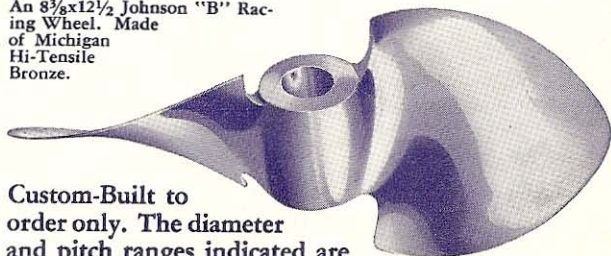
## RACING PROPELLERS FOR RACING MOTORS

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

### Hi Tensil Bronze

	DIAMETER RANGE	PITCH RANGE	PRICE
Midget Evinrude	6 7/8" to 7"	9" to 9 1/4"	\$15.00
"A" Johnson	7 1/2" to 7 3/4"	11 1/2" to 12"	18.00
"B" Johnson	8 1/4" to 8 1/2"	12 1/2" to 13"	20.00
"C" Johnson	8 3/4" to 9"	14 1/2" to 15"	20.00
"C" Evinrude	8 3/4" to 9"	14 1/2" to 15"	20.00

An 8 3/4 x 12 1/2 Johnson "B" Racing Wheel. Made of Michigan Hi-Tensile Bronze.



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



No. 304 & 5



No. 301



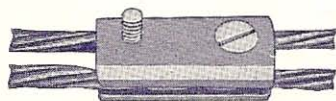
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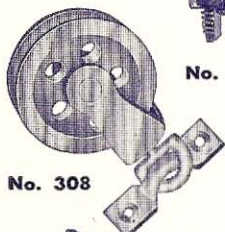
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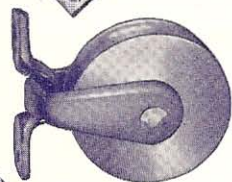
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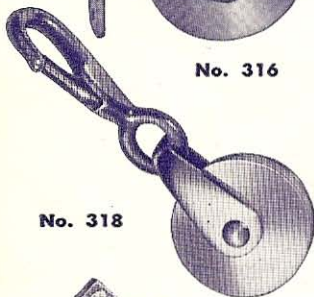
No. 330



No. 308



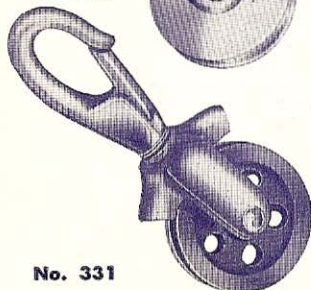
No. 316



No. 318



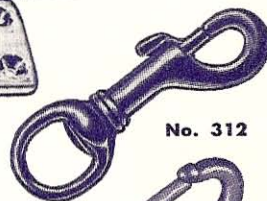
No. 332



No. 331

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
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		
*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 (5/8" 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, Adj.			.70		
*331	Swivel snap pulley.....	1.84		2.10	4.64	4.90
*332	Pulley .....	1.38		1.50		3.30
333	Lift eye cleat, 4".....		2.82	1.42		3.46
334	Cleat, 3" .....		1.28	.60		1.70
335	Cleat, 4" .....		1.52	1.26		3.10

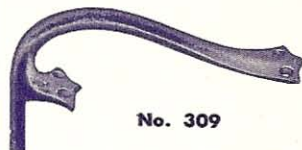
\*NYLON WHEELS Pulleys and check blocks available with genuine nylon wheels in plain brass or chrome. Will not cut. Specify nylon when ordering. 22c extra each.



No. 312



No. 323



No. 309



No. 329



No. 320



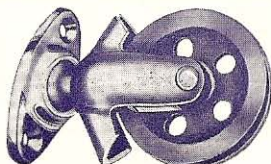
No. 302



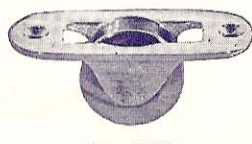
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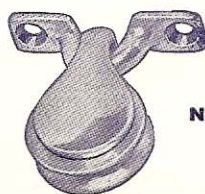
No. 327



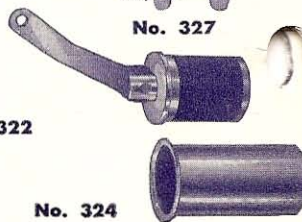
No. 328



No. 326



No. 322



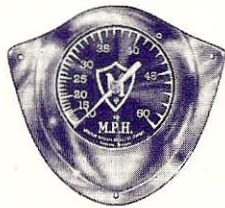
No. 324



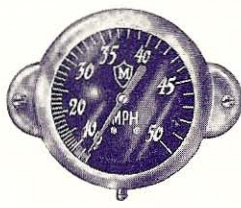
# QUALITY FITTINGS THAT DRESS UP YOUR BOAT AND ADD TO YOUR BOATING PLEASURE



**No. 201**  
Speedometer



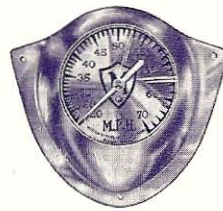
**No. 202**  
Speedometer



**No. 203**  
Speedometer



**No. 204**  
Speedometer



**No. 205**  
Speedometer



**No. 210**  
Pitot Tube

## WATER SPEEDOMETERS

**No. 201, 202, 203, 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 and adjustable Pitot tube.....\$12.00

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

**No. 203** Registers 10-50 mph complete with 10' plastic tube and adjustable Pitot tube. Small case designed for use on racing, runabout or boats with narrow dash.....\$10.50

**No. 204** Red Steel case. Chrome Face Ring. Registers 0.35 m.p.h. — complete with 8' plastic tube. Furnished with No. 208 style Pitot tube.....\$7.00

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

## SPEEDOMETER SPARE PARTS

**No. 208** Pitot Tube.....\$1.50  
(Standard for Model 204)

**No. 209** Transom Clip — use with 208 Pitot.....\$.45

**No. 210** Pitot Tube.....\$2.40  
(Deluxe) Complete with bracket, standard equipment for speedometer models 201, 202, 203, 205. Fully adjustable. Swings on impact to prevent breakage.  
Plastic Tubing, per foot.....\$.18

**No. 209**  
Transom  
Clip



**No. 208**  
Pitot Tube

## AQUA-MASTER 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.

### (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)

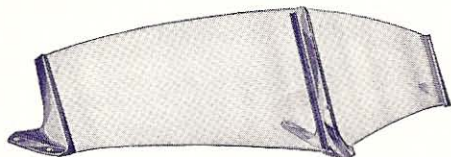
**No. 417** Red 2 Spoke..\$15.00  
**No. 418** Gold 2 Spoke 15.00  
**No. 419** Green 2 Spoke 15.00

**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

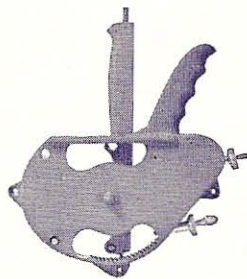


# QUALITY FITTINGS THAT DRESS UP YOUR BOAT AND ADD TO YOUR BOATING PLEASURE



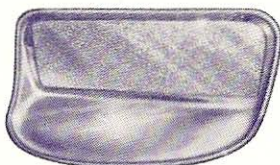
**No. 501**

**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**

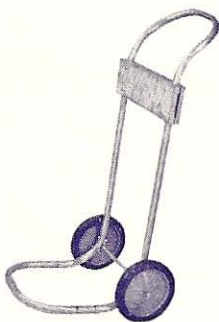
**No. 325 UNIVERSAL DRIP PAN**— Aluminum. Large enough for all motors, drilled .....\$2.25



**No. 516  
Transom Plates**

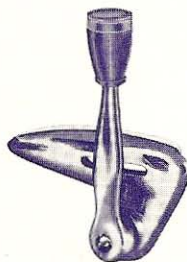
(With Leathers) \$1.00 pr.

**No. 522 GAS CAN HOLDERS** — Set of 3 furnished. Fastened to bottom of boat. Holds gas can in 3 places by tightening thumb screws. Use on tanks with rim on bottom. Set of 3.....\$4.95



**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 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. 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. 520 OUTBOARD TRAILER WINCH** — Hi-tensile body, manganese bronze gears. Red or green finish (specify). Holds 35' 1/4" cable, offset handle .....\$15.50



**No. 606**

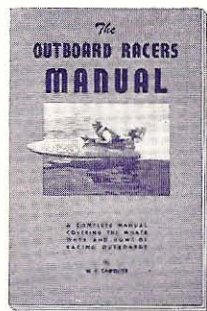
**No. 606 UNIVERSAL FLYWHEEL PULLER** — Cast aluminum. Nuts and bolts included.....\$3.00



**No. 513-514**

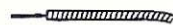
Positive Protection for Outboard Motors. Heavy plated steel cylinder, all brass lock, with two keys.

**No. 513 MOTORLOCK** fits small motors to 10 H.P. 9" size.....\$5.95  
**No. 514 MOTORLOCK** fits motors 10-50 H.P. 12" size.....\$7.95  
**No. 517 TRANSOM PLATE** Alum., Heavy leather pads fit any outboard .....\$2.94

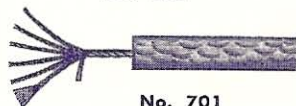


**No. 502**

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



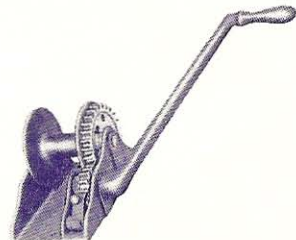
**No. 702**



**No. 701**



**No. 703**

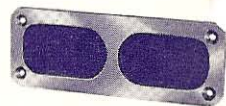


**No. 520**



**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)

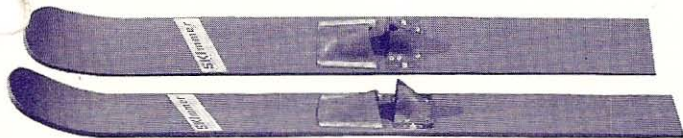


**No. 517**



# WORLD'S FINEST WATER SKIS

... for Novice or Expert



## Model 90 SKimmer Water Skis \$19.80

Finest skis made at this low price. Ideal for beginner and advanced skier. Light, tough, fast, buoyant. Suitable for use with outboard or inboard. Outstanding features . . . 7 ply moulded plywood . . . waterproof adhesive . . . adjustable binding fits any foot . . . curve of ski will not flatten out . . . bright red, durable enamel finish . . . each pair matched and balanced. Strong enough for most severe use. Full size 67½" long, 6½" wide, 5/8" thick. Individually cartoned. Mailable to 2nd class Post Offices.

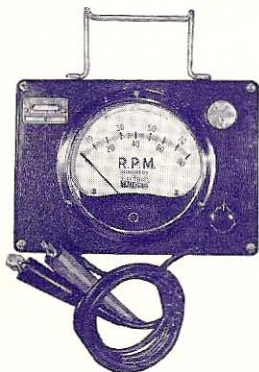
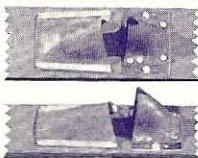
**No. 91 Water Ski Kit** — Same fine construction as model 90 SKimmer. Furnished complete as a kit with complete instructions for finishing and attaching foot pieces.....\$15.30

**No. 92 Water SKI (Aqua-Master)** — Natural finish. Birch face and back. 67½" long, 7" wide, 9/16" thick, 7 ply moulded plywood and adjustable foot bindings — same as No. 90 SKimmer. Very buoyant. For use with outboard or inboard boats .....\$24.00

**No. 900** — Pr. toe rubbers and Alum strips complete.....\$3.00

**No. 901** — Pr. heel plates and rubber complete .....\$2.40

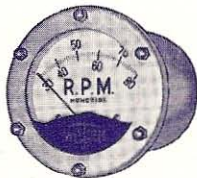
**No. 900 No. 901**



**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

## TACHOMETERS



**No. 207 Tachometer**

**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

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



**No. 608-609**

**No. 610**

**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...\$1.25

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

Each Packed 12 shipping carton, weight approx. 20 lbs.....\$1.50  
Odd lots or single cans furnished at \$.50 net extra each.

**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.



**No. 212 PRESTO FIRE EXTINGUISHER** — New Miracle "CB" extinguisher. Less toxic than carbon tet, does not freeze, more effective in putting out all fires. Complete with mounting bracket ready for instant action — guaranteed against corrosion or deterioration.....\$3.98

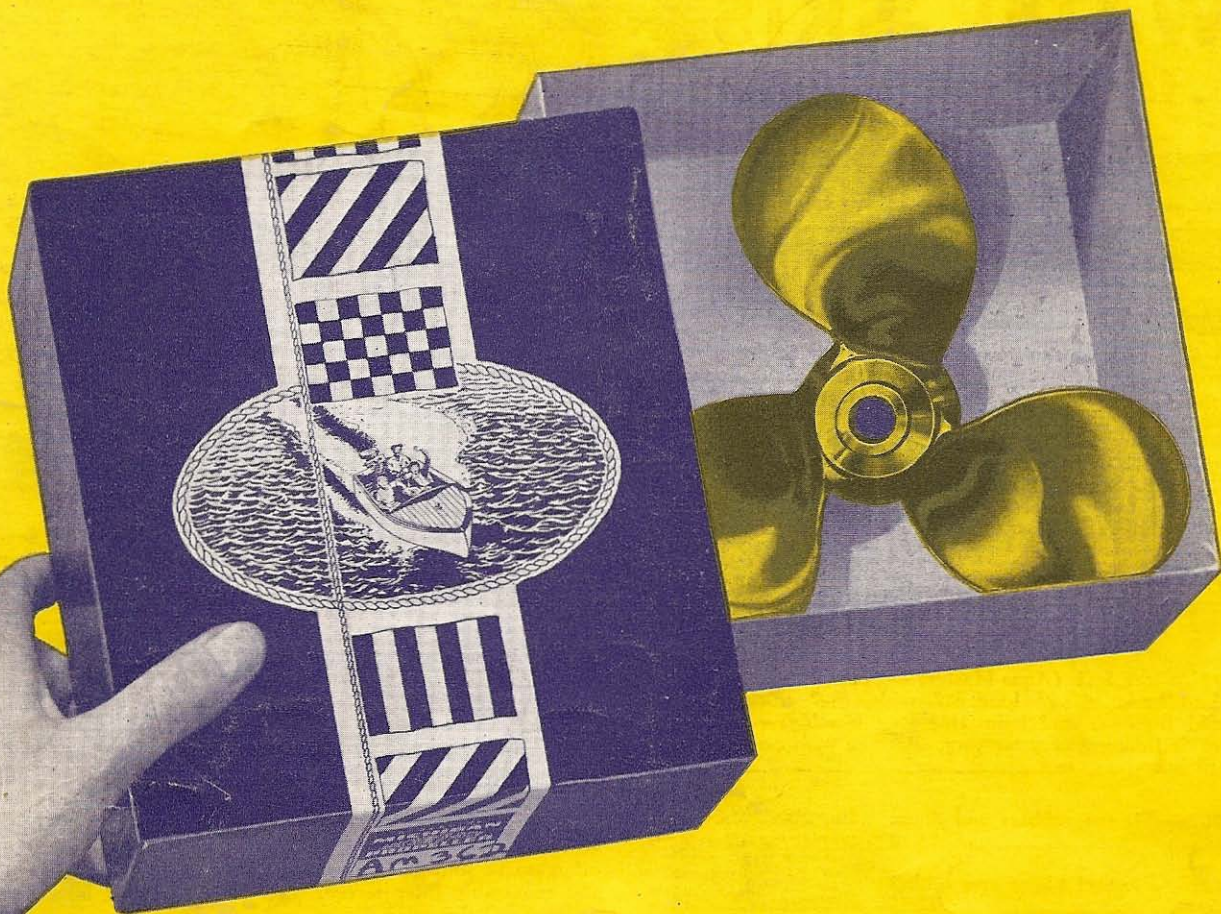
**No. 213** — Same as No. 212 but chrome .....\$4.95

**No. 214** — Same as No. 212, except double capacity .....\$5.95

REFILLS — All models .....\$1.85  
Send empty extinguisher to us.

NOTE: Dealers check your local ordinance covering licensing for sale of fire extinguishers.





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.