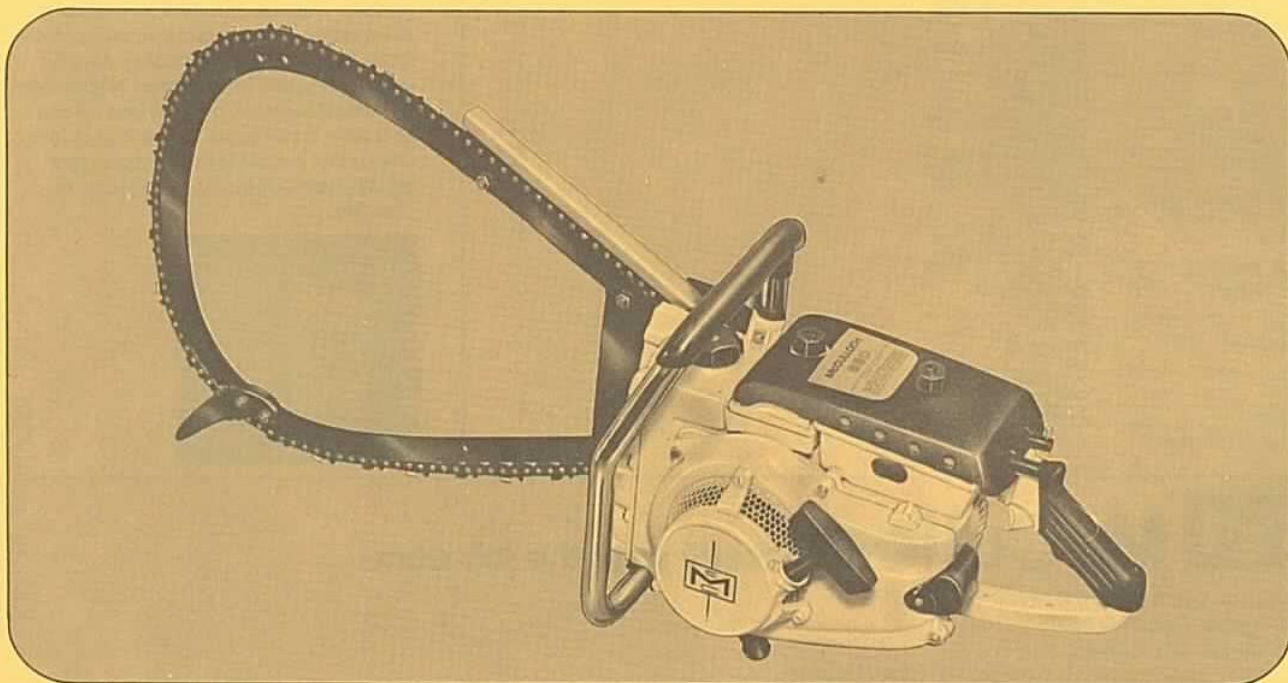


# McCulloch 660

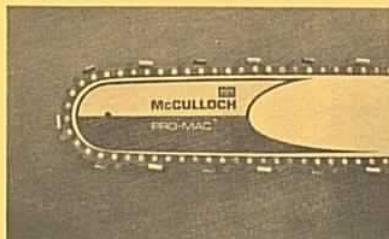
**Champion of  
the gear-drive  
pulpwood cutters**

Pulpwood cutters pride and joy. It teams a rugged 90cc engine with smooth ball-bearing transmission for extra lugging power. Tackles any job with ease. Automatic bar and chain oiling. Plus manual oiler for extra lubrication. It has an extra tough muffler. Positive seal air-filter system. Fast-start carburetor. And you can use it with either plunge bow or straight bars.





## McCulloch Bars & Chain



Unlike other brands, McCulloch bars and chains are designed for just one purpose: to give you the best cutting performance from your McCulloch engine. McCulloch guide bars are specially contoured to fit precisely, hardened to resist wear, and machined from strong metals. Their narrow design reduces pinching and binding in the cut, reduces weight too.

McCulloch low-profile chain has full chip clearance so it cuts faster and smoother in all woods. Top plates on cutter teeth are designed to eliminate chip jams. Side links are extra strong. Large bearing surfaces insure longer chain life because they resist wear, take more punishment.

When you team a McCulloch bar and chain with a McCulloch sprocket you've done all you need to do — the engine does the rest!

## McCulloch Sprockets

Just as a racing car needs a special transmission to handle all the power the engine develops, it takes a precision sprocket to transmit full power from McCulloch's engine to the chain. Only McCulloch designs sprocket, bar and chain as an integrated unit and then precision matches these important components to the engine. To meet the power demands of its larger, high-compression engines, McCulloch sprockets are made of high-quality steel and specially processed for perfect pitch and roundness. Each sprocket is precision matched to exacting dimensions of chain center-links; teeth are heat-treated to make them extra hard and wear-resistant. That's why McCulloch gives you a powerful advantage nobody else can match.

McCulloch Convenience Features	660 Gear Drive (3:1)
Weight*	23 lbs
Guide Bar	McCulloch "Pro-Mac" Plunge & paddle bow
Overall Dimensions (outside frame)	11 3/4" H x 18 1/2" L x 11" W
Muffler	Heavy duty Spark Arrestor
Easy Starting	Automatic rewind with Nylon rope
Bar/Chain Oiling	Automatic plus manual
Handle Frame	Plasticized handle bar grip & full rubber pistol grip, full wrap around design

### Engine Specifications

Power Unit	Single cylinder, two-cycle, high performance, air-cooled, loop scavenged engine
Displacement (Bore & Stroke)	5.3 (90cc) (2.125" x 1.5")
Bearings	Main: Heavy duty ball. Rod: Needle roller
Piston Rings	2 cast iron compression rings
Carburetor	Diaphragm type with choke. Fully enclosed external adjustments
Filtering System	Felt fuel filter. Rubber edged flocked air filter
Fuel Type	Regular grade automotive
Fuel — Oil Mixture	40:1 with McCulloch oil
Fuel Tank Capacity	2.6 US pints
Intake Valve	3rd port, tuned reed
Clutch	Automatic centrifugal
Clutch Engaging Speed	2,800 RPM
Chain Oiler Capacity	.7 US pints
Ignition	McCulloch waterproof high tension magneto
Breaker Point Gap	.019"-.020"
Coil Location	Outside flywheel. Fan cooled
Timing	26° BTC
Spark Plug	Campion J8J Gap .025
Chain	McCulloch S-80 .058 gauge
Sprocket	7 tooth, 1/2" pitch

\*less cutting attachment

### Bar Length

17
19
21
25
29
33
38
44
Power Unit Only

All prices shown are manufacturer's suggested list prices, F.O.B. McCulloch Distributor's Warehouse. Model availability, specifications and prices are subject to change without notice or obligation. PRICES AND SPECIFICATIONS EFFECTIVE JULY 12, 1970

## New McCulloch Chain, Bar & Sprocket Oil

This special anti-wear formula can actually double chain life by providing lubrication during critical first seconds of cutting when ordinary oil has not yet reached bar and chain. A special MOLY additive clings to the chain at all times, even during high-speed cutting for better lubrication, less waste. A new anti-pitch additive keeps chain moving smoothly through green and sappy woods. Available in 1-quart graduated plastic bottles.

### McCulloch 40:1 Oil

Only McCulloch recommends a 40:1 gas/oil mix throughout their product line. Because McCulloch engines are built to precise engine tolerances. Many manufacturers specify a thick 16:1 gas/oil ratio for their engines. Our 40:1 oil has many advantages. It can reduce oil costs. It protects the engine by reducing harmful carbon deposits which cause engine wear. It increases power, creates less smoke and adds many hours of spark plug and engine life. Available in new graduated plastic quart bottles, cans, 6-packs, or case lots.



# McCulloch really gets the job done

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