

## TECHNICAL DETAILS

**ENGINE FEATURES:** Four-stroke, overhead valves, automatic lubrication, bore 39 mm., stroke 40 mm., cylinder capacity 48 cubic centimetres, compression ratio 6.25, "cast-in" steel cylinder sleeve, three-ring aluminium piston with oil-scraper ring. Cylinder can be inspected without disturbing ignition timing or valve setting. Light alloy crankcase. Ball and roller-bearings throughout. Normal rating, 4,000 r.p.m.; developing 1½ h.p. Lubrication: Separate and fully automatic, with pressure reducing valve system. Crankcase and sump capacity approximately one pint.

**IGNITION:** Permanent magneto flywheel, rotating at 1/1 ratio with crankshaft.

**CARBURETTOR:** Two-jet, single control, automatic.

**CLUTCH:** Metal friction plates running in oil bath in crankcase.

**GEARS:** Two-speed and neutral position. Ratio between low and high gear, 1/1.84. Gear pre-selection operated according to the position of the bicycle pedals. Gear change is actuated by a single action on the clutch lever.

**POWER DRIVE:** Single chain from engine to back wheel sprocket. The actual chain of the bicycle is utilized.

**LIGHTING SYSTEM:** Current supplied by flywheel magneto at 6 volts, 12 watts.

**FUEL TANK CAPACITY:** Approximately half gallon, with reserve supply.

**EXHAUST:** With low-pressure silencer.



DISTRIBUTED THROUGHOUT AUSTRALIA BY THE

DUCATI DIVISION OF

**NOCK and KIRBY'S**

417 George Street, Sydney



Choose your own colour scheme! "Advance" Cycles are painted-to-order at no extra cost!



# "Advance"

## CYCLES

are the smartest, most attractively coloured Bikes on the road! You may choose from a wonderful range of the newest colour-schemes, or order any particular shade or combination without extra charge.

Australian-built from the best British parts, the "ADVANCE" has standard 28in. wheels with two brakes, and is supplied with a bell, pump and tool kit. It's light, speedy . . . and recommended for long, hard use on either country or suburban roads.

Prices range from £22/15/- for the man's model, and from £22/19/6 for the lady's.

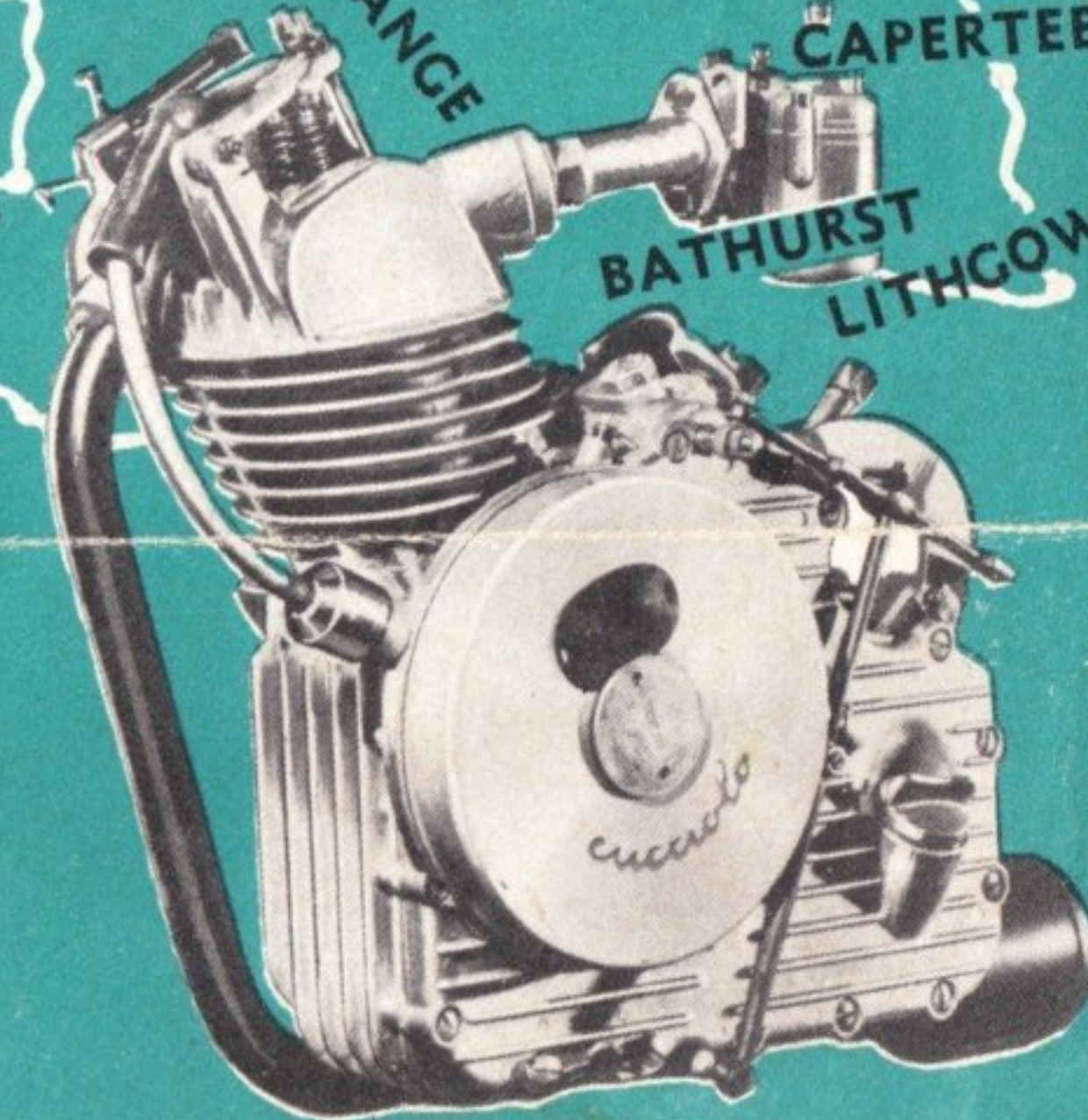
Easy Terms available for Metropolitan customers.

# Nock & Kirby's

417 GEORGE ST.,  
SYDNEY. B 0246

1000 miles, over the  
tough tour of the west course,  
on less than 4 gallons, with the  
**Ducati MICRO-MOTOR**

MENDOORAN  
DUNEDOO  
DUBBO  
MUDGEE  
KANDOS  
CAPERTEE  
ORANGE  
BATHURST  
LITHGOW  
PEAK HILL  
TULLAMORE  
NARROMINE  
PARKES  
FORBES



Distributed in Australia by NOCK and KIRBY'S



# THESE ARE EXCLUSIVE FEATURES OF THE

*the power to mechanise your own push-bike!*

## *Ducati* MICRO-MOTOR

POSITIVE CHAIN DRIVE

TWO SIMPLE CONTROLS

Exclusive features that provide speedy power to carry you over hills and stony ground as smoothly as along a boulevard! Power from the amazing "**Ducati**," that again proved its tough, sterling qualities in the recent Tour of the West. Piloting the cycle riders in this gruelling road race was no easy job. It meant travelling over all types of country . . . across creeks, ridges, and rough out-back roads for over a thousand miles. This was done by a "**Ducati**" rider on less than 4 gallons of petrol, and with never a murmur of protest from the sturdy little engine.

It's a performance like this that explains why the "**Ducati**" **Micro-Motor** is to-day the holder of 36 records in Class A for 50 c.c. motors.

The positive chain drive means there is no extra wear on tyres, ensuring maximum power and positive non-slip traction. Wheel wobble is unknown with the "**Ducati**" fitted to the cycle bottom bracket, and perfect balance is retained.

It's so simple to operate, just two levers, the throttle and clutch which operate the powerful 2-speed gears and foolproof automatic change. The "**Ducati**" weighs only 17-lb. and is wonderfully economical . . . 276 miles to every gallon of petrol, with the lowest registration cost of any motor.

### ATTACHING THE "DUCATI" IS SIMPLE

Any handyman with pliers and screwdriver—yes, you, too—can quickly attach the "**Ducati**" Outfit to your push-bike. It then becomes a super, lightweight motor cycle for only £49/15/- with 90 days' free service and 6 months' guarantee. Easy terms may be arranged.



MOTOR  + TANK  + PEDAL CRANK  + CENTRE BRACKET AXLE  + THROTTLE  + CLUTCH  + TOOLS  =

