

# Make it a **WAAK**



## from the Triple-Purpose

### THE 'CLUBMAN' RANGE

#### MODELS 38/G2, 38/G2M, 38/G3 and 38/G80.

**ENGINE** High efficiency Overhead Valve Engines with totally enclosed flood lubricated rocker-gear. Lubrication by full dry sump system, oil pressure-fed to all working parts. Lo-ex Pistons fitted to all models. Hairpin valve springs to models 38/G3 and 38/G80. 14 m.m. Sparking Plugs all models.

38/G2 and 38/G2M.	Bore 62.5 m.m. Stroke 80 m.m. Capacity 246 c.c.
38/G3	Bore 69 m.m. Stroke 93 m.m. Capacity 347 c.c.
38/G80	Bore 82.5 m.m. Stroke 93 m.m. Capacity 498 c.c.

**GEAR-BOX** Four speed gear-box with positive foot change on all models. Heavyweight gear-box on 38/G3 and 38/G80.  
**Gear Ratios.** 38/G2 and 38/G2M. 6.1, 8.5, 10.9, and 18.0 to 1.  
 38/G3. 5.8, 7.5, 10.3, and 15.6 to 1.  
 38/G80. 5.0, 6.4, 8.8, and 13.3 to 1.

**CHAINCASE** Oil bath front chaincase with deep section rear chain guard almost completely enclosing rear chain.

**EXHAUST SYSTEM** Large diameter single exhaust pipe fitted to 38/G2, 38/G2M and 38/G3. Twin exhaust system with tubular silencers to 38/G80.

**FRAME** Duplex Cradle frame with narrow angle twin front down tubes.

**WHEELS & BRAKES** Large diameter front and rear wheels. 38/G2 and 38/G2M have quickly detachable rear wheels. 38/G3 and 38/G80 have fixed rear wheels.

**TANKS** Attractive new design petrol tank. 38/G2 finished in black and gold. 38/G3 and 38/G80 finished in chrome and gold lines. Handsome.

**SPRING FORKS** Sturdy design tubular spring link girder assembly. Duplex damper. (Steering damper extra.) Attractive "Winged" damper knob.

**MUD-GUARDS** Efficient mudguards on all models. Design graceful mudguards with ends on 38/G2M, 38/G3 and 38/G80 to facilitate wheel removal.

**STANDS** Latest design low-lift spring-up tubular front stand. Accessible.

**PRICES:** Including Electric Lighting set (Coil ignition on Model 38/G2)

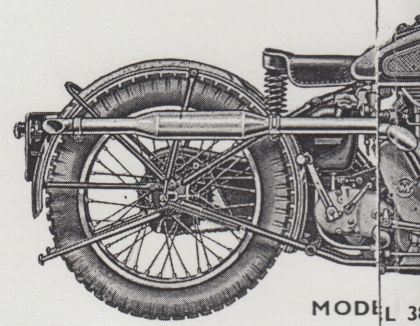
250 CLUBMAN, MODEL 38/G2	...
250 CLUBMAN DE LUXE, MODEL 38/G2M	...
350 CLUBMAN, MODEL 38/G3	...
500 CLUBMAN, MODEL 38/G80	...

### THE 'CLUBMAN SPECIAL' RANGE

#### MODELS - 38/G2MC, 38/G3C, 38/G80C.

These models are specially equipped editions of the 250, 350 and 500 'Clubman' Models, prepared specially for use in Reliability Trials, Scrambles and similar competitive events

The special features include exceptionally wide rear stays and large mudguard clearances on both wheels, heavy-weight gear-box with special competition gear ratios, single arm prop stand on near-side of machine, shallow section mudguards chromium plated all over, and Dunlop competition tyres. Rear tyre 27" x 4" Sports on all models, front tyre 26" x 3" Sports on 38/G2MC and 27" x 2.75" Sports on 38/G3C



MODEL 38

# THESE

## Range

### RANGE

rear internal expanding brakes; wheels on Models 38/G3 and

oil tanks on Models 38/G2M. Capacity all models 3 galls. Model 38/G2M, gold lines. Models 38/G2M, in chromium with black panels oil tank—capacity 4 pints.

forks with double locked-up fork dampers and steering on Model 38/G2—12s. 6d. "M" medallion on Steering

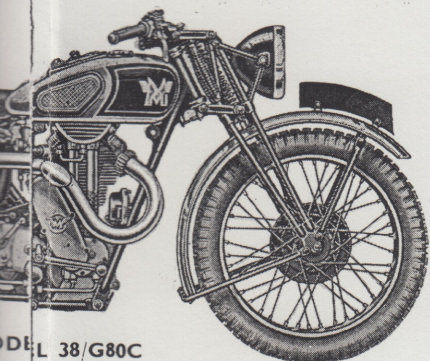
"Clubman" models. New with centre ribs and flared 38/G80. Rear guards split

spring-up rear stand fitted to 38/G2 and 38/G80 together with accessible centre prop stand to

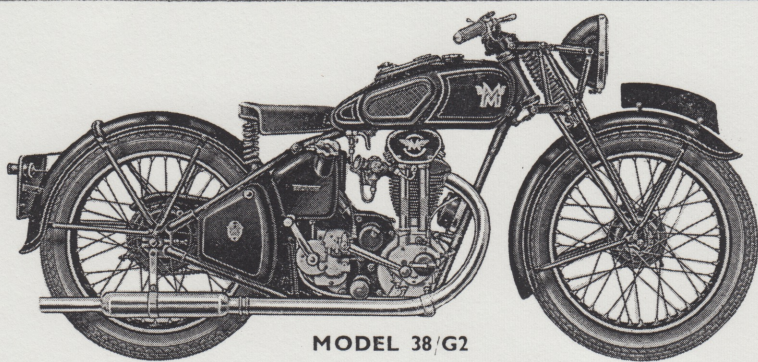
Lighting set and Electric Horn (Model 38/G2).

Model 38/G2M	...	...
...	...	...
...	...	...

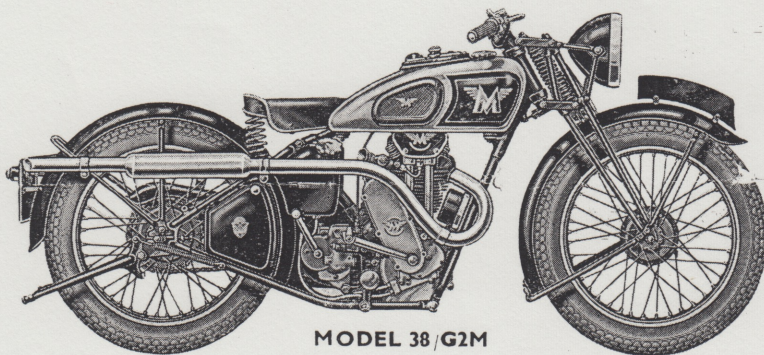
### RANGE



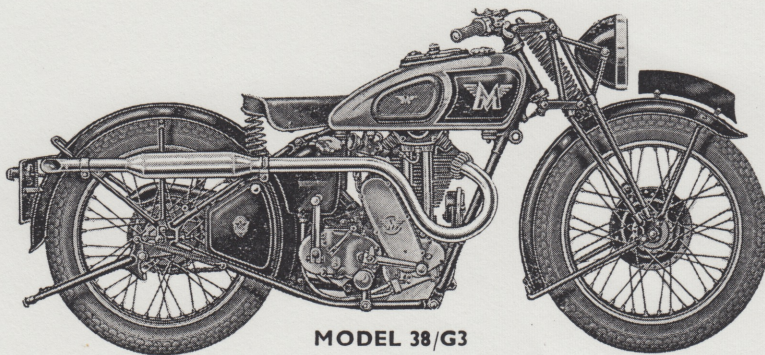
MODEL 38/G80C



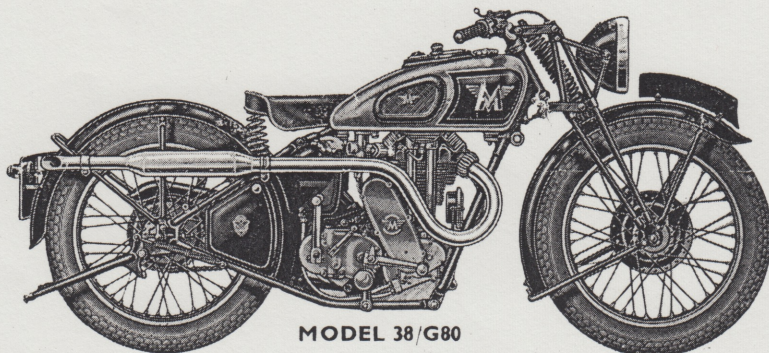
MODEL 38/G2



MODEL 38/G2M



MODEL 38/G3



MODEL 38/G80

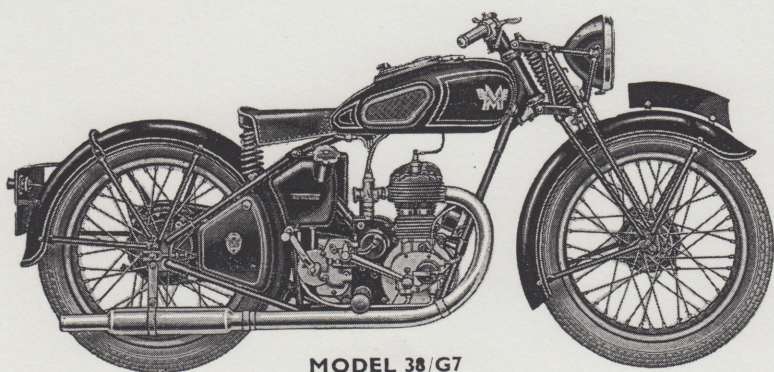
All engines are specially tuned with single port polished heads. Models 38/G3C and 38/G80C have special front fork with check springs, additional to items mentioned above.

**GEAR RATIOS :**

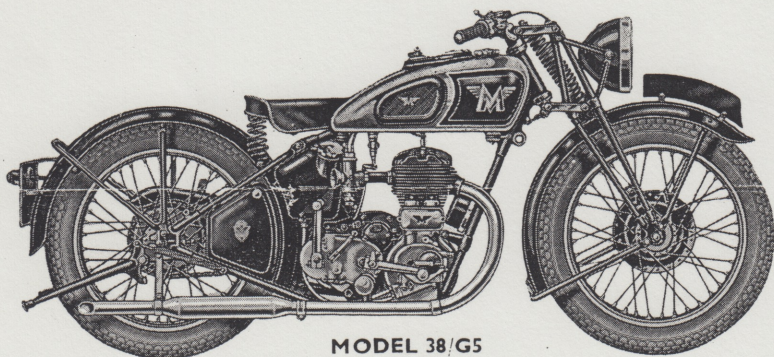
38/G2MC	...	6.5	10.0	13.7	20.8 to 1
38/G3C	...	6.2	9.4	12.9	19.5 to 1
38/G80C	...	5.5	8.4	11.5	17.5 to 1

PRICES : Including Electric Lighting Set and Electric Horn.

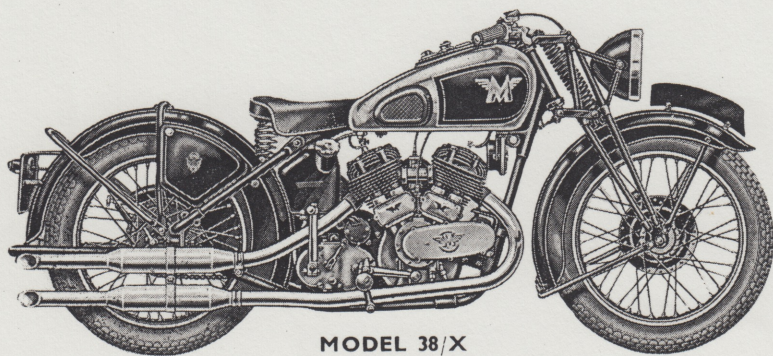
250 CLUBMAN SPECIAL, MODEL 38/G2MC	...	...	...
350 CLUBMAN SPECIAL, MODEL 38/G3C	...	...	...
500 CLUBMAN SPECIAL, MODEL 38/G80C	...	...	...



MODEL 38/G7

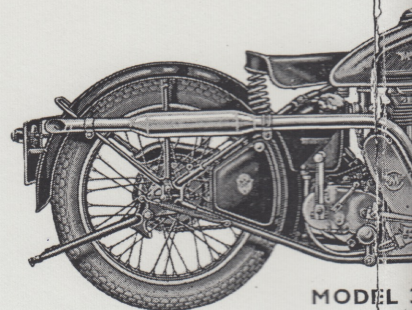


MODEL 38/G5



MODEL 38/X

**THE MA**



MODEL

**THE**

**MODEL 38/G7.**

As model 38/G2 described a Side Valve Engine.

**MODEL 38/G5.**

Identical to Model 38/G40, Valve Engine.

**MODEL 38/X. 'SPORTS-TC ENGINE**

Latest type 90° cylinders, dwarf steel thimbles with valves from the cylinder. Full dry sump lubrication parts.

14 m.m. Sparking Bore 85.5 m.m.,

**GEAR-BOX**

Heavyweight four change. New design large reliability under Gear Ratios—4.2

**CHAINCASE**

Handsome and deep section cylinder mode

# MATCHLESS 'SUPER CLUBMAN'

## MODELS 38/G4 and 38/G90.

These models have all the features described in the specification of the Clubman Range given above, but they are fitted with engines of an entirely new and highly efficient design.

The outstanding feature of this new engine is the fact that completely enclosed hairpin valve springs are used. The cylinder head and rocker box together with the valve spring chambers are formed in one casting, thus ensuring an entire absence of oil leaks from the positively lubricated overhead rocker-gear. The cooling fin area is tremendous both on the cylinder head and on the cylinder barrel, ensuring the highest possible performance with cool running, while the complete enclosure of the hairpin valve springs ensures an entire absence of wear of all working parts and at the same time retains the outstanding reliability of the hairpin valve springs as used on the standard 350 and 500 'Clubman' Models.

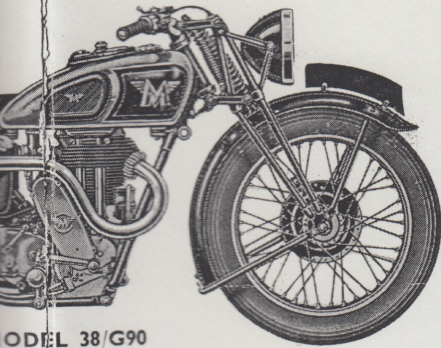
On the 350 c.c. engine a high compression piston can be supplied to order, while the 500 c.c. engine is supplied as standard with a compression plate beneath the cylinder which, when removed, gives a high compression ratio suitable for use with Petrol-Benzole fuels. The 350 c.c. engine has a single-port cylinder head, the 500 c.c. being of the two-port type.

These models have check spring type front forks as fitted to the 'Clubman Special' Models and are further distinguished by the fact that the petrol tanks are finished with Aldwych Red panels on chromium plated background, the wheel rims also being centred with Aldwych Red and Gold lines.

A 26" x 3" ribbed tyre is fitted on the front wheel and a 26" x 3.50" studded tyre on the rear wheel of both models.

PRICES : Including Electric Lighting Set and Electric Horn.

**350 SUPER CLUBMAN, MODEL 38/G4** 347 c.c. O.H.V. ... ..  
**500 SUPER CLUBMAN, MODEL 38/G90** 498 c.c. O.H.V. ... ..



MODEL 38/G90

# THE 'TOURIST' RANGE

described above, but with Highly Efficient 250 c.c.

38/G80, but with latest design 500 c.c. Side

## SPORTS TOURIST' BIG TWIN.

990 c.c. 50° Twin engine with new design dwarf tappet chests. Valve springs carried in insulators which are entirely insulated from heat cylinders.

Pressure lubrication—oil pressure-fed to all working

Sparkling Plugs.

5 m.m., Stroke 85.5 m.m., Capacity 990 c.c.

Light four-speed gear-box with positive foot

Large diameter clutch ensuring complete operation under all conditions.

Gear ratios—2.2, 5.4, 6.7 and 11.4 to 1.

Efficient oil-bath front chaincase with full protection rear chainguard as described on single model.

### WHEELS & BRAKES

Quickly detachable rear wheel, tyre size 27 x 4. Front tyre 26 x 3.25. Large diameter internal expanding brakes with improved rear brake operating mechanism affording smooth action and entire efficiency.

### FRAME

Heavyweight Duplex cradle frame—Special short wheel base type (56.5/16").

### TANKS

Large capacity petrol tank finished in Chrome with black panels and gold lines (Capacity 4 Gallons 3 Pints). Oil tank (Capacity 4 Pints).

### STANDS

Sturdy design stands to front and rear wheels, and single arm side prop stand.

### FORKS

Heavyweight taper tube girders with double-lock spindle and link assembly. Duplex Fork dampers and steering damper.

### MUDGUARDS

Wide section guards with centre ribs and flared ends.

### ELECTRICAL EQUIPMENT

Provided by 30-watt Lucas dynamo with voltage control, conveniently mounted behind engine. Separate magneto.

PRICES : Including Electric Lighting Set and Electric Horn.

**250 TOURIST, MODEL 38/G7** ... ..  
**500 TOURIST, MODEL 38/G5** ... ..  
**990 SPORTS TOURIST, MODEL 38/X** ... ..

# FOR

It has been our constant endeavour as seasons continue to present a range of our 1938 range possesses outstanding mechanical improvements and superbly at

The 1938 'Matchless' will be instantly recognised by the winged 'M' in chrome of the Petrol tank, whilst we introduce two 'Super Clubman' models designated red panels on the sides and top of the heavily chromium plated petrol tanks.

New design petrol tanks, ribbed mudguards and a host of other outstanding new winged 'M' series will have embodied the following improvements, with entirely new and highly efficient engines with totally enclosed hairpin enclosed rocker and valve gear.

The following improvements have been carried out on all models where

Straight line oil pipes and unions to engine oil pump.

Vertical Carburettor.

14 m.m. Sparking Plugs.

New design rear chain guard with full depth inside and outside

Front wheel drive speedometer with enclosed hub drive. Instru

mounted above front forks with almost straight non-flex cab

instrument illuminated at night. (See "Equipment" for extra

Again, therefore, 'Matchless' takes the lead in presenting the most up-to-da

## LIST OF 1938 MODELS

### THE 'CLUBMAN' SERIES.

250 CLUBMAN, MODEL 38/G2	246 c.c. O.H.V. Single Port.....
250 CLUBMAN DE LUXE, MODEL 38/G2M	246 c.c. O.H.V. Single Port .....
250 CLUBMAN SPECIAL, MODEL 38/G2MC	246 c.c. O.H.V. Single Port—Competition.....
350 CLUBMAN, MODEL 38/G3	347 c.c. O.H.V. Single Port .....
350 CLUBMAN SPECIAL, MODEL 38/G3C	347 c.c. O.H.V. Single Port—Competition.....
500 CLUBMAN, MODEL 38/G80	498 c.c. O.H.V. Two Port .....
500 CLUBMAN SPECIAL, MODEL 38/G80C	498 c.c. O.H.V. Single Port—Competition.....
350 SUPER CLUBMAN, MODEL 38/G4	347 c.c. O.H.V. Single Port .....
500 SUPER CLUBMAN, MODEL 38/G90	498 c.c. O.H.V. Two Port .....

### THE 'TOURIST' SERIES.

250 TOURIST, MODEL 38/G7	246 c.c. S.V. ....
500 TOURIST, MODEL 38/G5	498 c.c. S.V. ....
990 SPORTS TOURIST, MODEL 38/X	990 c.c. S.V. Twin .....

# 1938

a range of Motor Cycles which offer to the Motor Cyclist something a little different. Thus, again superbly attractive appearance.

'M' in chromium which replaces the well known and familiar plain chromiomed 'M' on each side designated as the 38/G.4 (350 c.c.) and 38/G.90 (500 c.c.) which will be further distinguished by tanks.

standing features and improvements will appeal at once to the discriminating Motor Cyclist. The instruments, whilst we draw special attention to the new '350' and '500' 'Super Clubman' models (hairpin valve springs contained in a combined cylinder-head and rocker-box with completely

as where applicable :

outside panels.

Instrument conveniently mounted on handlebars (flex cable. Speedometer for extra charge).

up-to-date, efficient, attractive and most comprehensive range.

Unless ordered otherwise, all Motor Cycles are supplied complete with Speedometer (charged extra at the prices shown overleaf.

All prices and specifications are subject to alteration without notice and all Motor Cycles and/or Sidecars, together with equipment, are sold subject to the limited guarantee printed on the back.

