

# Royal Enfield

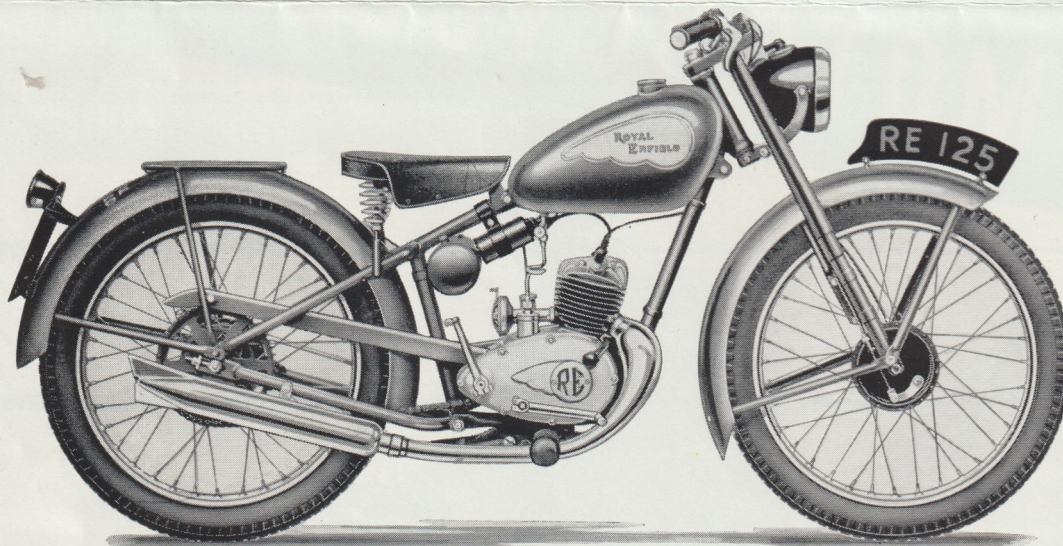
## MOTORCYCLES



*By Miles the Best*

# BY MILES

ROYAL ENFIELD



## 125 c.c. Model R.E.—The Prince of Lightweights

**ENGINE-GEAR UNIT :** 125 c.c. two-stroke completely re-designed throughout, with easy to clean and pleasing streamlined shape. Foot-operated three-speed gearbox. Clutch running at engine speed giving super-light operation with maximum driving power. The new Miller generator and ignition system ensures certain starting under all conditions. **FRAME :** New cradle type having all main tubes of chrome molybdenum alloy steel. Easy lift, spring-up, centre stand. **WHEELS :** 2.75 x 19in. Dunlop tyres front and rear. New powerful 5in. brakes on both wheels. **EXHAUST SYSTEM :** Incorporates special streamlined expansion chamber in addition to silencer. **FINISH :** Lustrous silver grey enamel, bright parts heavily chromium plated.

## General S

**FRAME :** Designed to incorporate the experience gained during 40 years of motor cycle manufacture. All main tubes of chrome molybdenum tubing with brazed joints.

**FRONT FORK :** Telescopic, with fully automatic lubrication and hydraulic damping which, combined with the long movement, gives complete absorption of all road shocks.

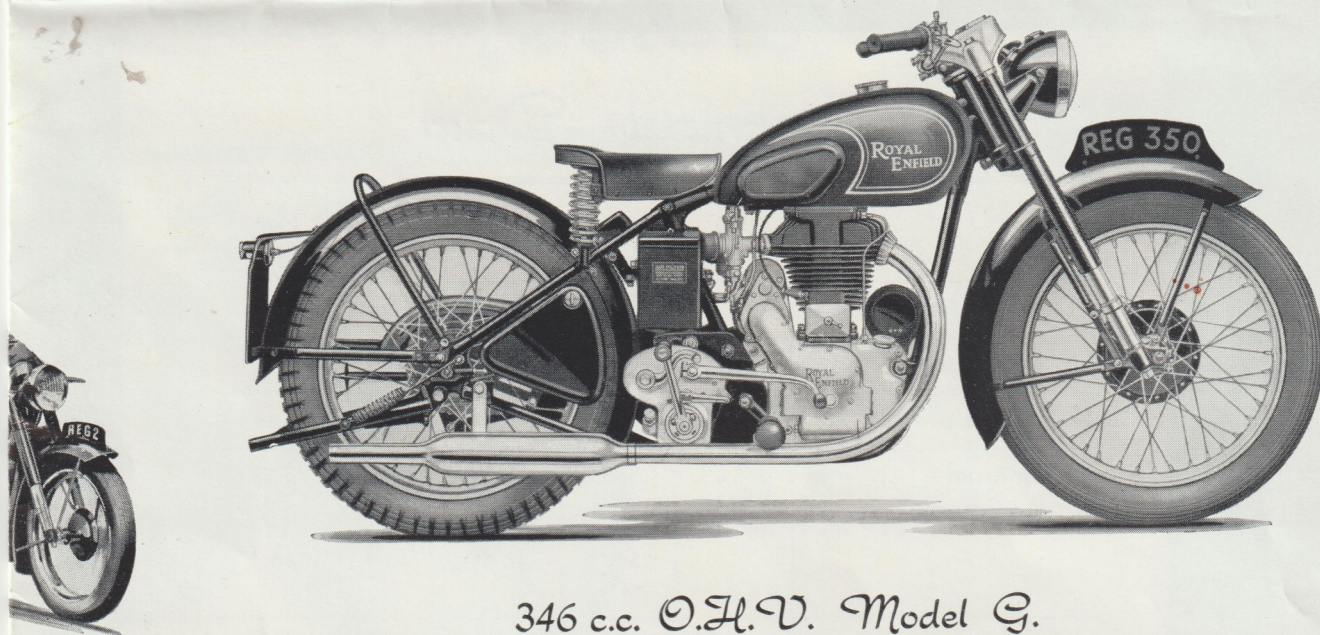
**WHEELS :** Rear wheel (except on Model RE) incorporating patented cush drive which eliminates transmission shocks and prolongs chain and bearing life. Smooth and powerful brakes on both wheels.

**TRANSMISSION :** On Models G and J2 primary drive by  $\frac{1}{2}$ in. pitch chain totally enclosed and running in oil. Final drive by  $\frac{5}{8}$ in. pitch chain.

On Models 350 Bullet and 500 Twin, primary drive by duplex  $\frac{3}{8}$ in. pitch chain

# THE BEST!

## MOTORCYCLES



### 346 c.c. O.H.V. Model G.

**ENGINE:** 346 c.c. o.h.v. single cylinder fitted with light alloy connecting rod. All working parts are lubricated by the well-known Royal Enfield dry sump system which incorporates a large capacity felt oil filter. **CARBURETTOR:** Amal with air filter. **GEARBOX:** Four-speed foot-controlled with simple neutral finder. **WHEELS:** Front, 3-25-19in. Dunlop ribbed tyre. Rear, 3-25-19in. Dunlop Universal tyre. **FINISH:** Black enamel with bright parts heavily chromium plated. Tank enamelled black and attractively panelled in gold.

## Specification

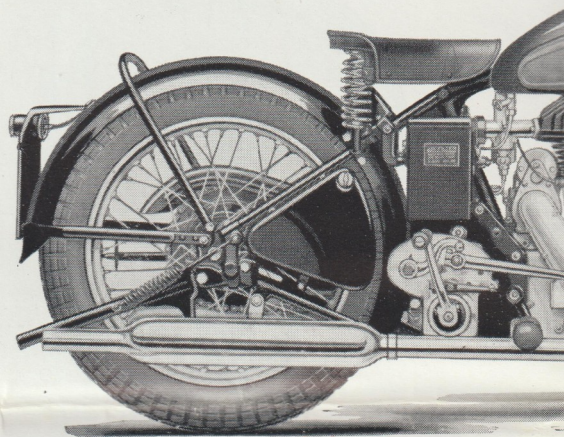
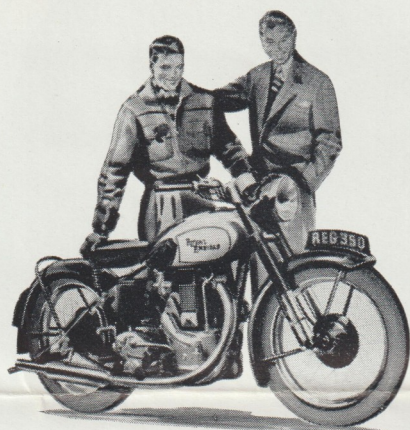
**GEARBOX:** Models G, J2, 350 Bullet and 500 Twin equipped with four-speed foot-controlled gearbox which incorporates simple neutral finder, by which neutral may be obtained at any time from either 2nd, 3rd or 4th gear. Model RE equipped with foot-operated three-speed gearbox.

**LIGHTING AND IGNITION EQUIPMENT:** On Models G, J2 and 350 Bullet, Lucas 60 watt output Magdyno with automatic voltage control and 30 watt headlamp. The 500 Twin is fitted with Lucas 6 volt 75 watt output Dyno-distributor with Automatic Voltage Control and Coil ignition. Automatic control of advance and retard mechanism gives optimum ignition at all speeds. The Model RE has a completely new high output Miller generator which supplies current for the 24 watt lighting set and low tension current for a full-sized ignition coil.

**SPEEDOMETER:** 500 Twin and J2, Smith's 120 m.p.h. Chronometric. Models G and 350 Bullet, Smith's 80 m.p.h. Chronometric.


running in oil. Final drive by  $\frac{5}{8}$ in. pitch chain.

The Model RE has a  $\frac{3}{8}$ in. pitch primary drive chain running in oil and a  $\frac{1}{2}$ in. pitch chain final drive.



499 c.c. O.H.V.

**ENGINE :** 499 c.c. o.h.v. single cylinder fitted with by the well-known Royal Enfield system which incorp Amal with air filter. **GEARBOX :** Four-speed f Front, 3-25-19in. Dunlop ribbed tyre. Rear, 3-50-19in exhaust pipes, each fitted with efficient silencer. chromium plated. Tank enamelled black and attr with reduced trail, stronger springs and a steering 7-7, 10-7 and 16-6 to 1.

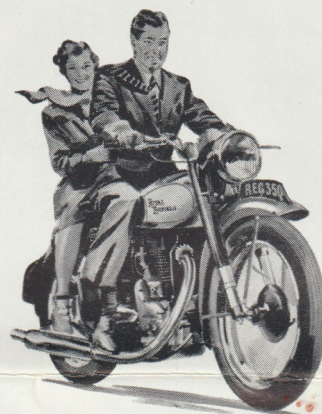


# Royal Enfield

M O

Model RE, Smith's "Lightweight" Chronometric.

**AIR CLEANER:** The carburettors of all models are fitted with high efficiency oil wetted air cleaners.



### V. Model J2.

Light alloy connecting rod. All working parts lubricated. Features a large capacity felt oil filter. **CARBURETTOR:** Automatic, with simple neutral finder. **WHEELS:** Dunlop Universal tyre. **EXHAUST SYSTEM:** Two pipes. **FINISH:** Black enamel with bright parts heavily chrome plated. For sidecar use a front fork bracket is fitted. **SIDECAR GEAR RATIOS:** 5-95,



# Enfield

T O R C Y C L E S

# Spring Fra

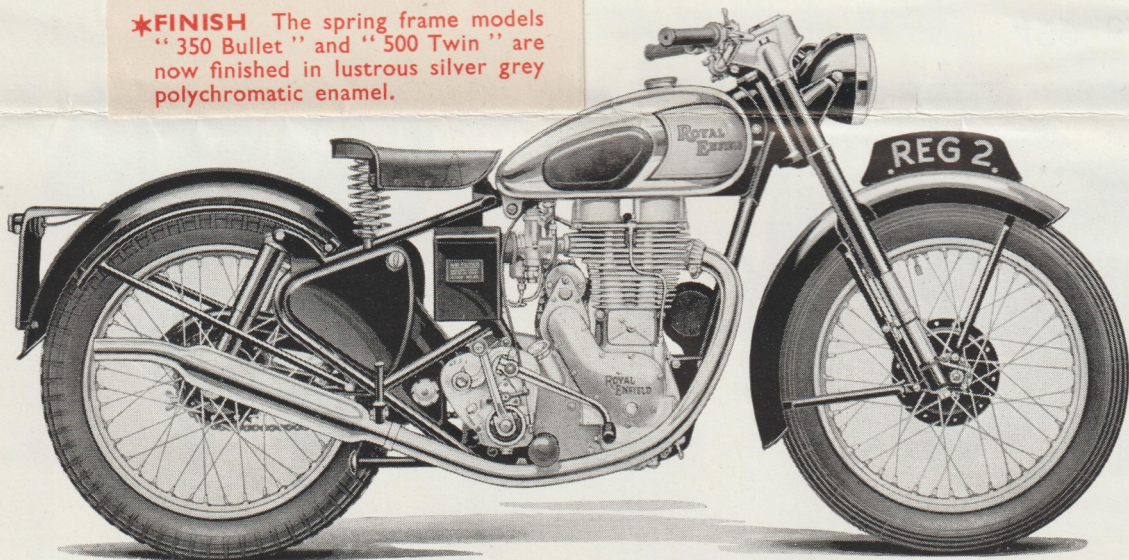
**T**HE 350 BULLET AND 500 TWIN MODELS provide the ultimate in modern motor cycle suspension.

The frames of both incorporate the scientifically correct "swinging arm" principle of rear wheel mounting. The load is carried on coil springs and the movement controlled by hydraulic damping.

The combination of this rear suspension and the perfect movement of the front fork gives the machines a degree of road holding and freedom from road shocks which has placed them ahead of all others.

The frame of which all main tubes are of chrome molybdenum alloy steel is of all welded construction with the exception of the massive forged steel head lug.

**\*FINISH** The spring frame models "350 Bullet" and "500 Twin" are now finished in lustrous silver grey polychromatic enamel.



## 350 Bullet

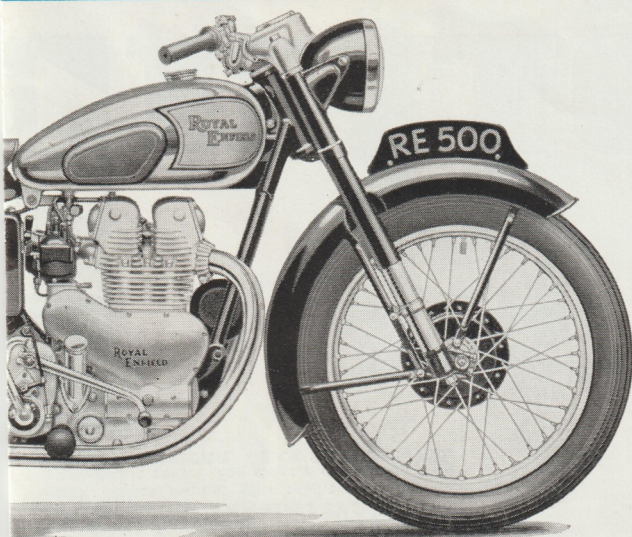
**ENGINE:** 346 c.c. o.h.v. single cylinder. Aluminium alloy cylinder head. R.R. 56 light alloy connecting rod. Lubrication of all working parts ensured by the well-known Royal Enfield system, which incorporates a large capacity felt oil filter. **WHEELS:** Front, 3-25-19in. Dunlop ribbed tyre. Rear, 3-25-19in. Dunlop Universal tyre. **FINISH:** Black enamel with bright parts heavily chromium plated. Tank panelled in frosted silver with blue and red lining.

**SMOOTHER SPEED with G**

# THE BEST!

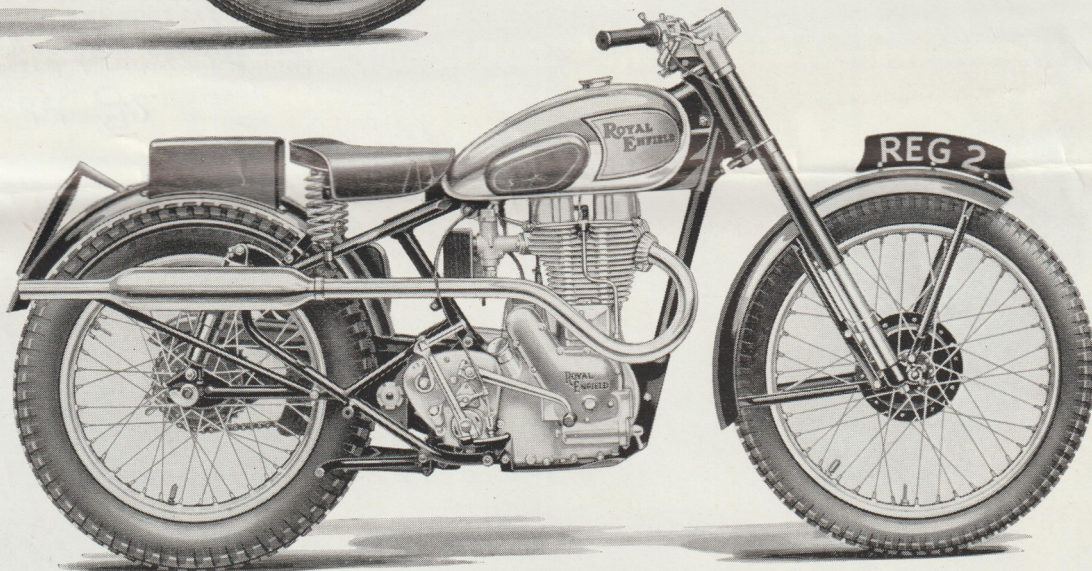
## MOTORCYCLES

### Some Models



### 500 Twin

496 c.c. o.h.v. vertical twin. Aluminium alloy cylinder heads fitted on separate cylinders. R.R. 56 light alloy connecting rods. Massive one-piece crankshaft. Chain-driven high level camshafts. The lubrication of all working parts is ensured by the well-known Royal Enfield system, which incorporates a large capacity felt oil filter. **WHEELS:** Front, 3-25-19in. Dunlop ribbed tyre. Rear, 3-50-19in. Dunlop Universal tyre. **FINISH:** Black enamel, bright parts heavily chromium plated. Tank panelled in frosted silver with blue and red lining.



### 350 Bullet (Trials)

This versatile machine is now available to an improved and modified specification for trials use. The following are deviations from Standard Specification:—  
**ENGINE:** Alloy cylinder barrel. Small bore carburettor and heavier flywheels. 6:1 compression piston. **IGNITION:** Lucas racing magneto. No lighting set. Bulb horn. **GEARBOX:** Special ratios: 7-1, 9-95, 15-25 and 21-3 to 1. **EXHAUST SYSTEM:** Small bore high level. **WHEELS:** Front, 3-00-21in. Trials Universal tyre. Rear, 4-00-19in. Trials Universal tyre. Security bolts fitted. **MUDGUARDS:** Narrow section light alloy guards. Pad fitted to rear. **PETROL TANK:** Approximately 2-gallon capacity. **EQUIPMENT:** One toolbox with kit. Small air filter to carburettor. **GROUND CLEARANCE:** Approximately 7in. with rider seated. A robust shield is fitted to the crankcase.

The 350 Bullet machine is also available to Scrambles Specification, details of which we will gladly supply on application.

## GREATER CUSHION COMFORT

# Royal Enfield MOTORCYCLES *Ahead of the Rest!*



## Technical Data

	500 Twin	350 Bullet	Model J2	Model G	Model RE
Bore and Stroke mm.	64×77	70×90	84×90	70×90	53.79×55
Cubic Capacity ... c.c.	496	346	499	346	125
Compression Ratio ...	6½ to 1	6½ to 1	5½ to 1	6 to 1	5½ to 1
Gear Ratios ...	5, 6.5, 9, 13.9 to 1	5.67, 7.37, 10.2, 15.8 to 1	5.1, 6.6, 9.2, 14.2 to 1	5.6, 7.3 10.1, 15.6 to 1	7.55, 12.3, 22.1 to 1
Petrol Tank Capacity. ... Imp. gals.	3½ gals. (15 litres)	3½ gals. (15 litres)	2¾ gals. (12½ litres)	2¾ gals. (12½ litres)	1¾ gals. (8 litres)
Oil Tank Capacity ...	4 pints	4 pints	4 pints	4 pints	—
Approx. Max. Speed ...	85-90 m.p.h.	75-80 m.p.h.	80-85 m.p.h.	70-75 m.p.h.	45-50 m.p.h.
Approx. Petrol Consump- tion ...	65-70 m.p.g.	75-80 m.p.g.	70-75 m.p.g.	75-80 m.p.g.	120-150 m.p.g.
Weight ... lb.	390	350	395	370	140
Wheelbase ...	4ft. 6in.	4ft. 6in.	4ft. 6½in.	4ft. 5½in.	4ft. 0in.
Saddle Height ...	29½in.	29½in.	28½in.	29in.	28in.
Ground Clearance ...	5½in.	6¼in.	4¾in.	5¼in.	5¾in.
Overall Width ...	2ft. 4in.	2ft. 4in.	2ft. 4in.	2ft. 4in.	2ft. 1½in.

All Royal Enfield Motor Cycles are sold by our Dealers subject to the limited Guarantee adopted by the British Cycle and Motor Cycle Manufacturers and Traders Union Ltd. Shortage of space prevents this being printed in full in this list, but a copy will be sent on application.

**THE ENFIELD CYCLE CO. LTD.**

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\*Phone: Redditch 121 (8 lines).

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