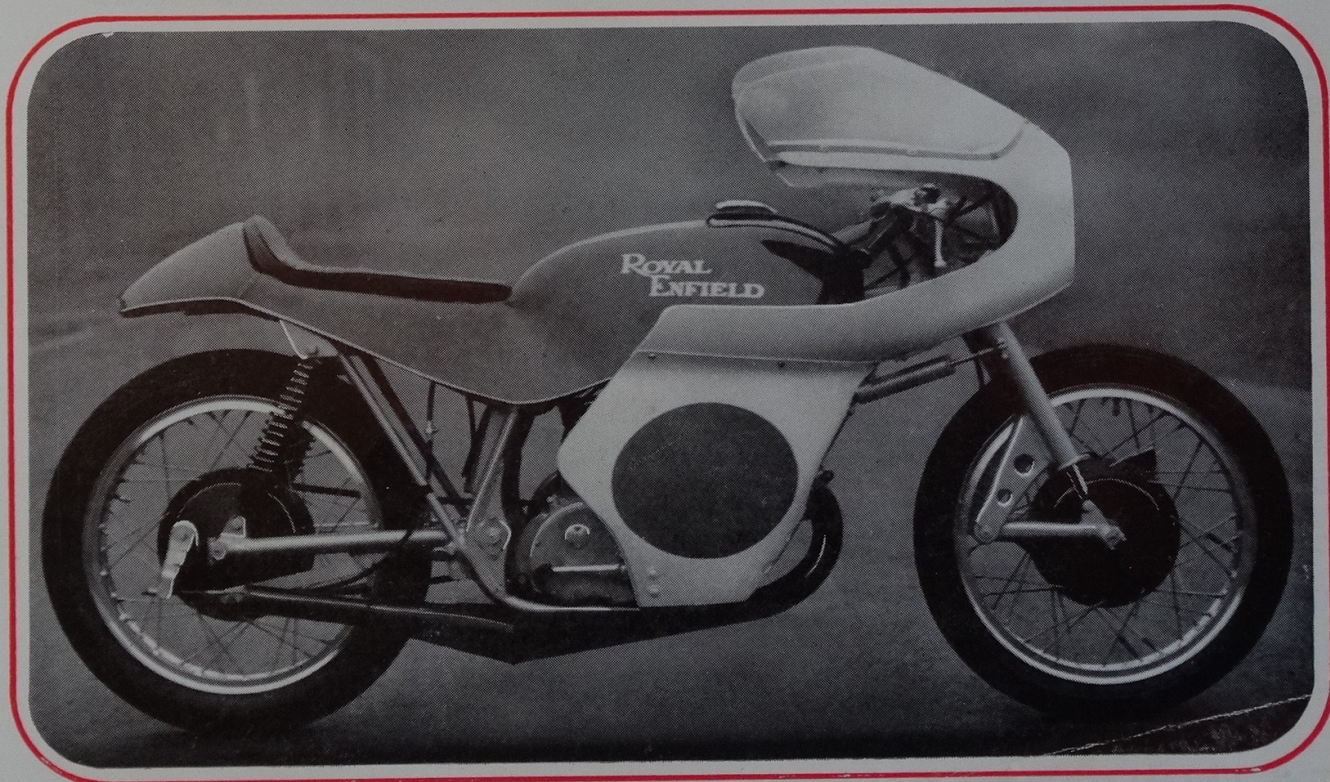
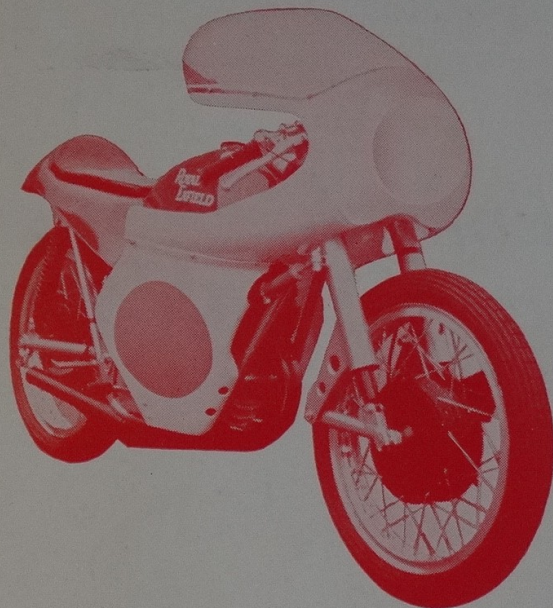


*the Royal Enfield  
250 c.c.  
Grand Prix Racer*



1965



## Specification

### ENGINE

Single cylinder two-stroke.  
Light Alloy cylinder barrel with cast-in iron liner.  
Light Alloy squish type cylinder head.  
Rigid crankshaft running on two alloy cage rollers and one ball bearing.  
Dykes ring pistons.  
Bore: 66 m/m.  
Stroke: 72 m/m.  
Compression ratio: approx. 10.5 : 1.  
Power output: 34 bhp at 8000/8250 rpm (at crankshaft).  
Ignition: "Lucas" coil.  
Carburettor: "Amal" GP 2.

### GEARBOX

"Albion" 5-speed.  
Internal ratios:  
1, 1.09, 1.29, 1.52, 1.96.

### SPROCKET SIZES

Engine: 25 tooth.  
Clutch: 54 " "  
Countershaft: 19 tooth. (20)\*  
Rear wheel: 46 tooth  
(42, 43, 44, 45, 47, 48)\*

\*Alternative sprockets available.

### TRANSMISSION

Primary by duplex chain.  
Rear chain:  $\frac{1}{2}$ " x .335.

### FRAME & FRONT FORKS

Royal Enfield all welded duplex loop frame constructed of Reynolds '531' tubing. Enfield/Reynolds leading link forks.  
Petrol tank capacity: 4-5 gallons.

### WHEELS

Front: 18 x 2.75.  
Rear: 18 x 3.00.  
7" light alloy full width hubs.  
Dunlop racing tyres and light alloy rims.

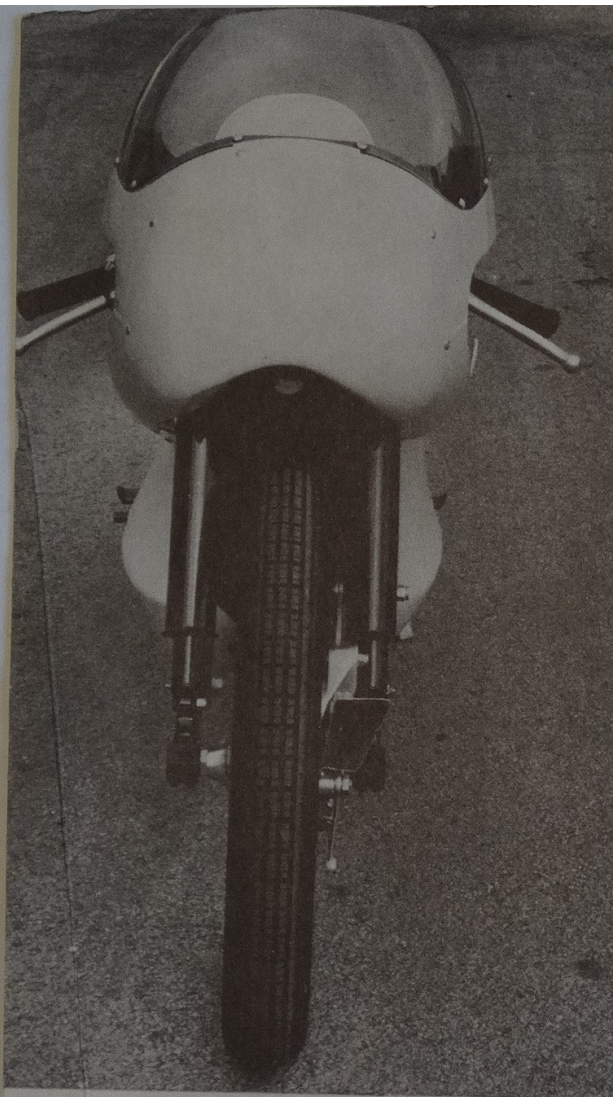
A unique system of rear chain adjustment ensures positively accurate wheel alignment.

### TANK/DUAL SEAT

The construction of the frame and combined fibre-glass racing seat/fuel tank ensures that the fuel load is positioned as low as is possible. This combined with the extreme rigidity and lightness of the frame provides superlative handling qualities.

### PRICE

£350 including "Avon" racing fairing.



**Royal Enfield  
250 cc  
GRAND PRIX  
RACER**

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Dykes ring pistons.  
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THE ENFIELD CYCLE CO. LTD. · REDDITCH · WORCESTERSHIRE

1965

13 MAY 1965

## Royal Enfield Racing Unit Analysed



**Motor  
Cycle**

Hermann Meier  
and Charlie Rogers with  
the Royal Enfield racer