

# TRIUMPH



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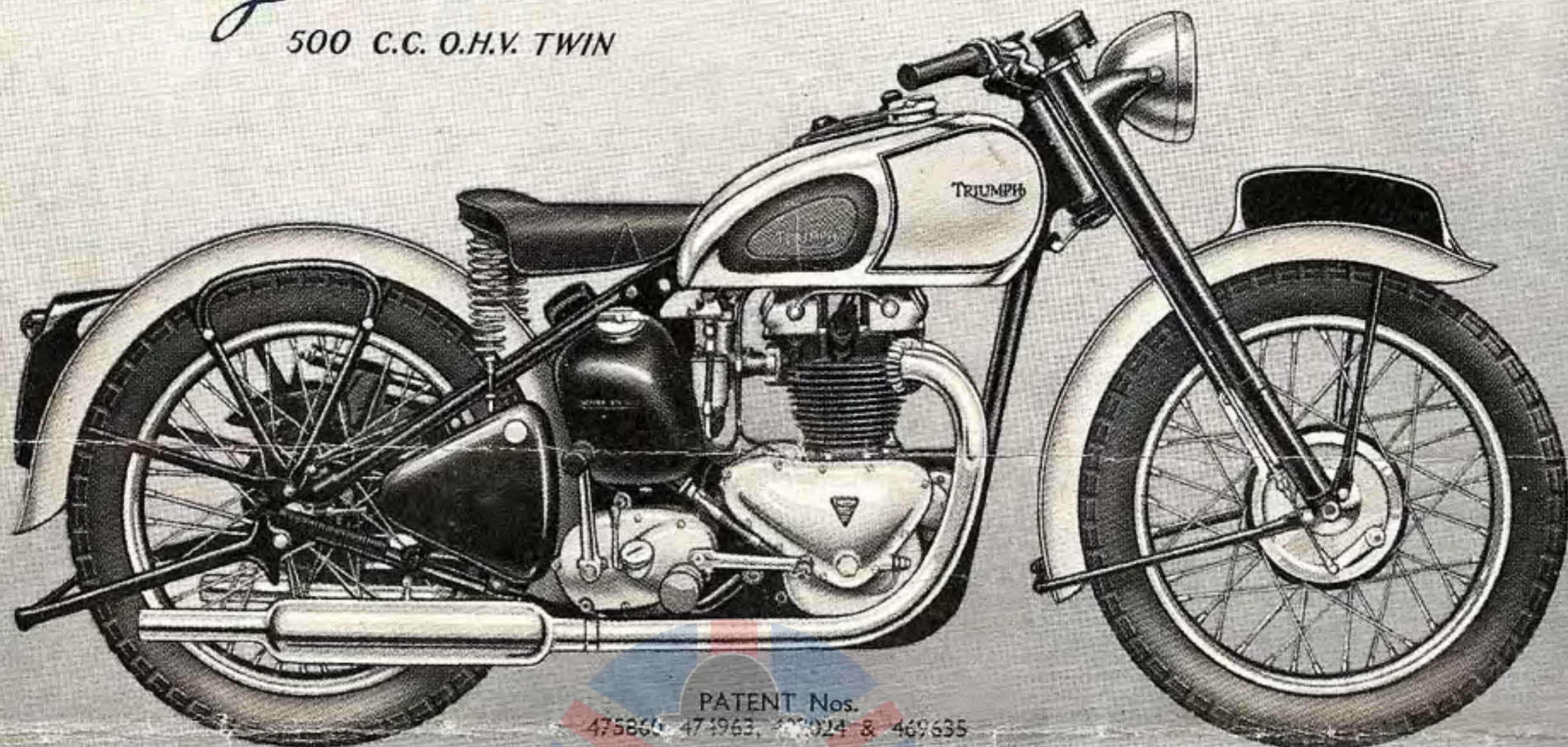
*Motor Cycles*

TRIUMPH ENGINEERING COMPANY LTD., COVENTRY, ENGLAND

# TRIUMPH

*Tiger "100"*

500 C.C. O.H.V. TWIN



PATENT Nos.  
475864, 474963, 473024 & 469635

## S P E C I F I C A T I O N

**ENGINE :** Double high camshaft O.H.V. Vertical Twin. Bore 63 m.m. Stroke 80 m.m. Capacity 498 c.c. Special high compression Lo-ex alloy slipper pistons giving a ratio of 7.75 to 1. Cylinder head and barrel in special cast iron. High tensile aluminium alloy crankcase of great strength and rigidity. Patented Triumph crankshaft incorporating integral balance weights and centrally disposed flywheel. "H" Section connecting rods in R.R. 56 Aluminium alloy, with Triumph patented metal lined big-ends. All moving parts polished.

Automatic advance magneto and separate dynamo.

Totally enclosed and positively lubricated valve gear. Duplex aero quality valve springs. Excess oil drained without external pipes. Dry sump lubrication system incorporating readily accessible plunger type pumps and providing positive feed to big ends.

Separate oil tank—one gallon capacity—with large quick action filler cap.

Large bore Amal carburettor and induction pipe.

Engine individually tested on Heenan and Froude brake, stripped and re-assembled by specialist mechanics.

Certified test card supplied with each machine.

**PETROL TANK :** Triumph registered design with side recesses for special type kneegrips and ensuring even distribution of the fuel. Flexible metal braided petrol pipes and two large bore taps fitted.

**FRONT FORKS :** Entirely new Triumph design and manufacture. Telescopic type with large hydraulically damped movement and automatic lubrication. An important development for riding comfort, perfect steering and road holding.

**FINISH :** Petrol Tank. Chromium plate with silver sheen panels lined out in blue.

**Mudguards.** Silver sheen with black centre strip.

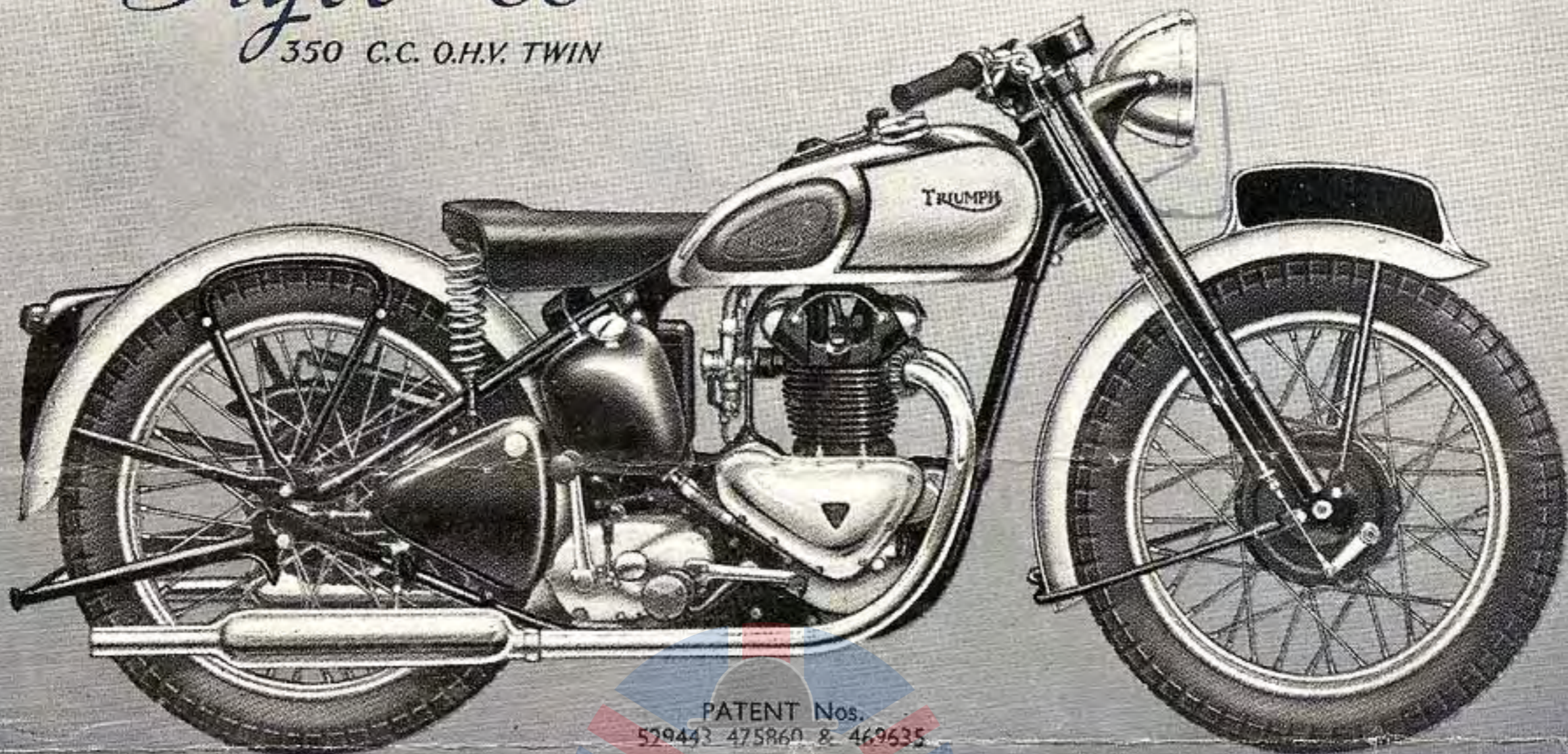
**Wheels.** Chromium plated rims and spokes. Silver sheen rim centres lined in blue.

**Frame.** Finest quality hard black enamel.

**GENERAL :** FOR DETAILS OF TRANSMISSION, FRAME ETC., AND EQUIPMENT, SEE "SPEED TWIN" SPECIFICATION.

# TRIUMPH

*Tiger "85"*  
350 C.C. O.H.V. TWIN



PATENT Nos.  
529443 475860 & 469635

## S P E C I F I C A T I O N

**ENGINE :** New design vertical twin O.H.V. unit double high camshaft type. Bore 55 m.m. Stroke 73.4 m.m. Capacity 349 c.c. Rocker box integral with cylinder head. Triumph patented crankshaft assembly with centrally disposed flywheel. High tensile alloy steel connecting rods. High compression pistons in silicon low expansion alloy. Cylinder head and barrel cast in special alloy iron. Crankcase cast in high tensile aluminium alloy, very strong and rigid.

Totally enclosed valve gear with duplex springs of Aero quality. Automatic advance magneto and separate easily accessible dynamo all-gear driven. Pinions in special alloy gear steel. Amal carburettor with Triumph patented twist grip control.

Full dry-sump lubrication with two plunger type pumps. Positive feed to big ends and overheads valve gear. Oil drained from rocker box without use of external piping. All moving parts polished. Engine specially tested, dismantled and re-assembled by expert mechanics.

**FRONT FORKS :** Of entirely new Triumph design and manufacture. Telescopic type with large hydraulically damped movement and automatic lubrication. No adjustments necessary. Provides greater riding comfort, perfect steering and improved road holding.

**FINISH : Petrol Tank.** Chromium plated, with silver sheen panels lined out in blue.

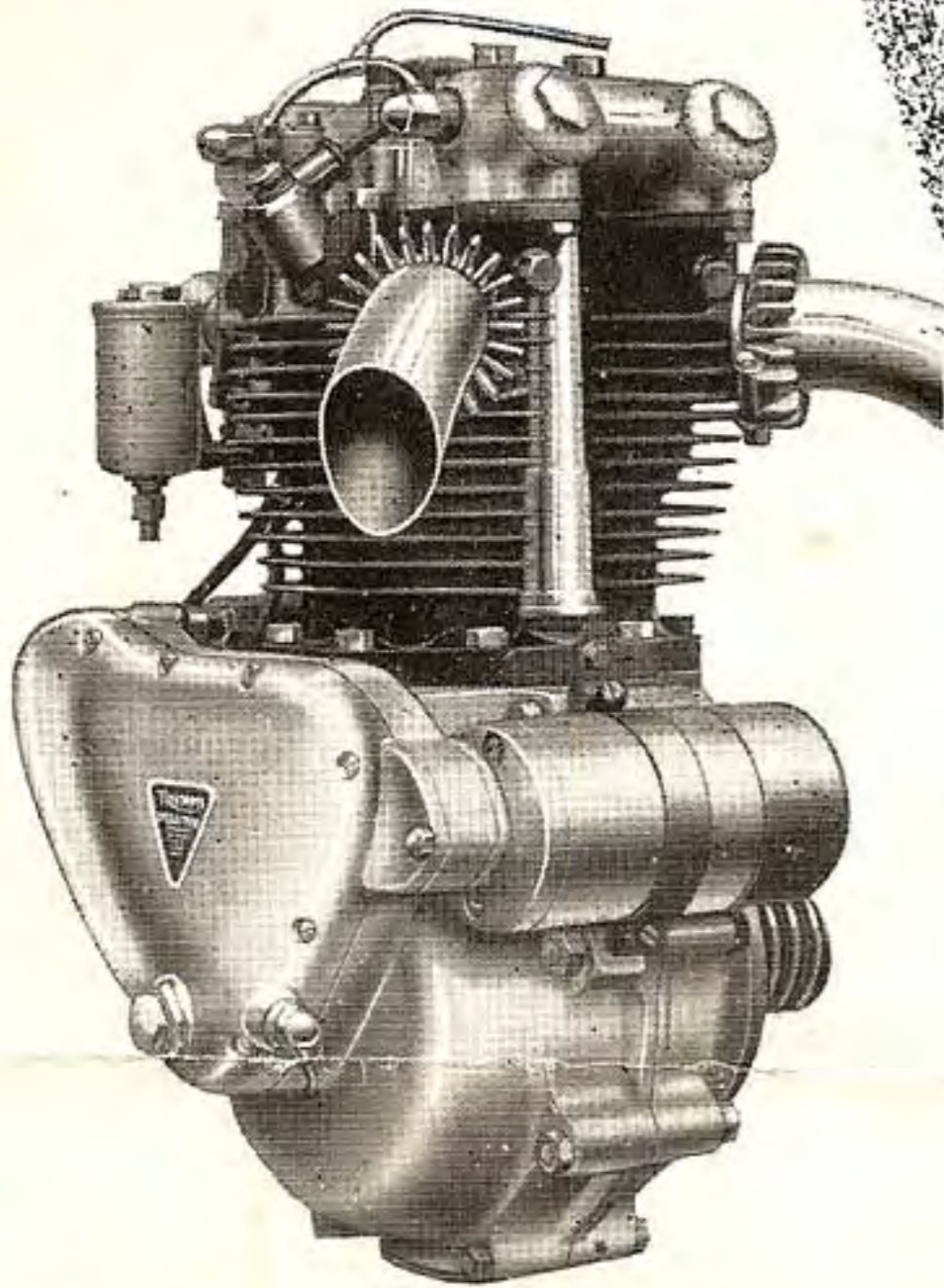
**Mudguards.** In silver sheen with black centre strip.

**Wheels.** Chromium plated rims and spokes. Rim centres in silver sheen lined out in blue.

**Frame.** Finest quality hard black enamel.

FOR DETAILS OF TRANSMISSION, FRAME, ETC., AND EQUIPMENT, SEE MODEL 3T SPECIFICATION.

# F E A T U R E S

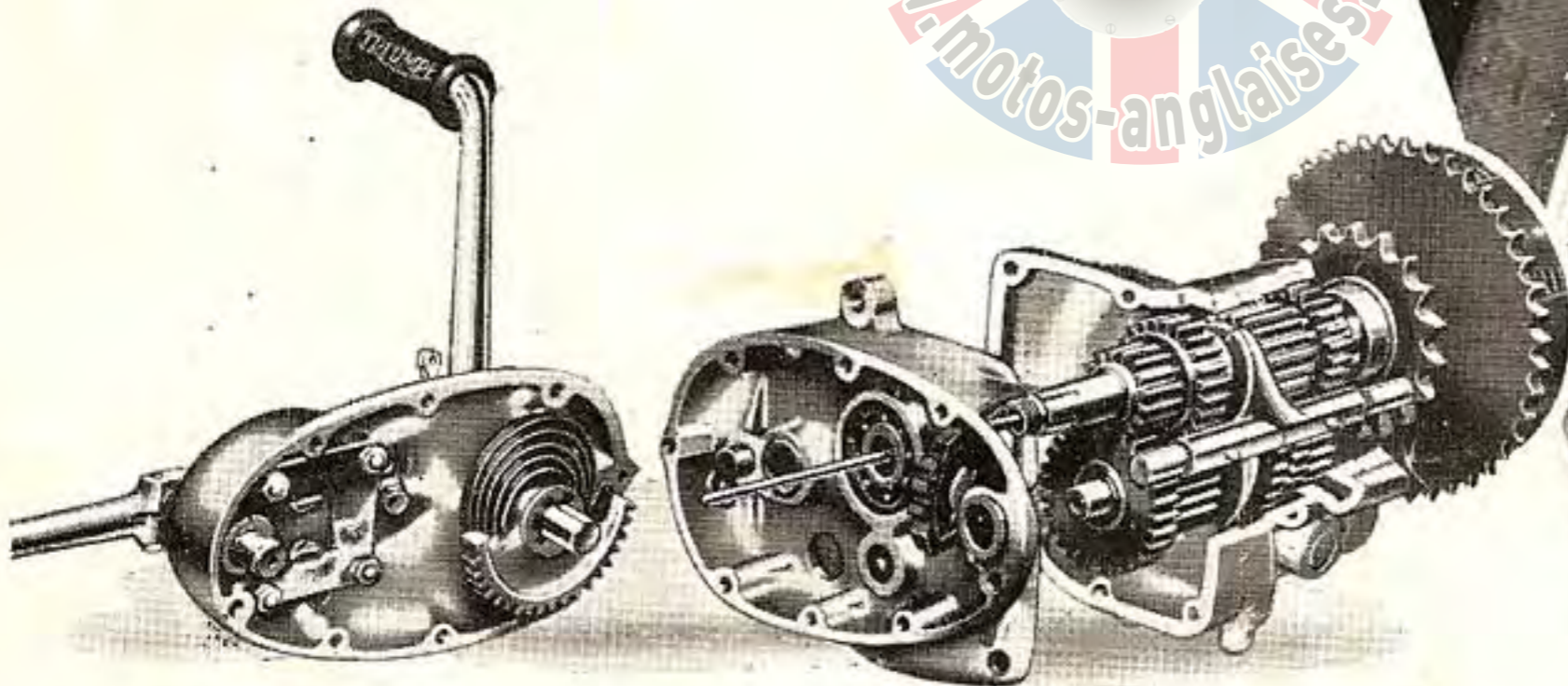
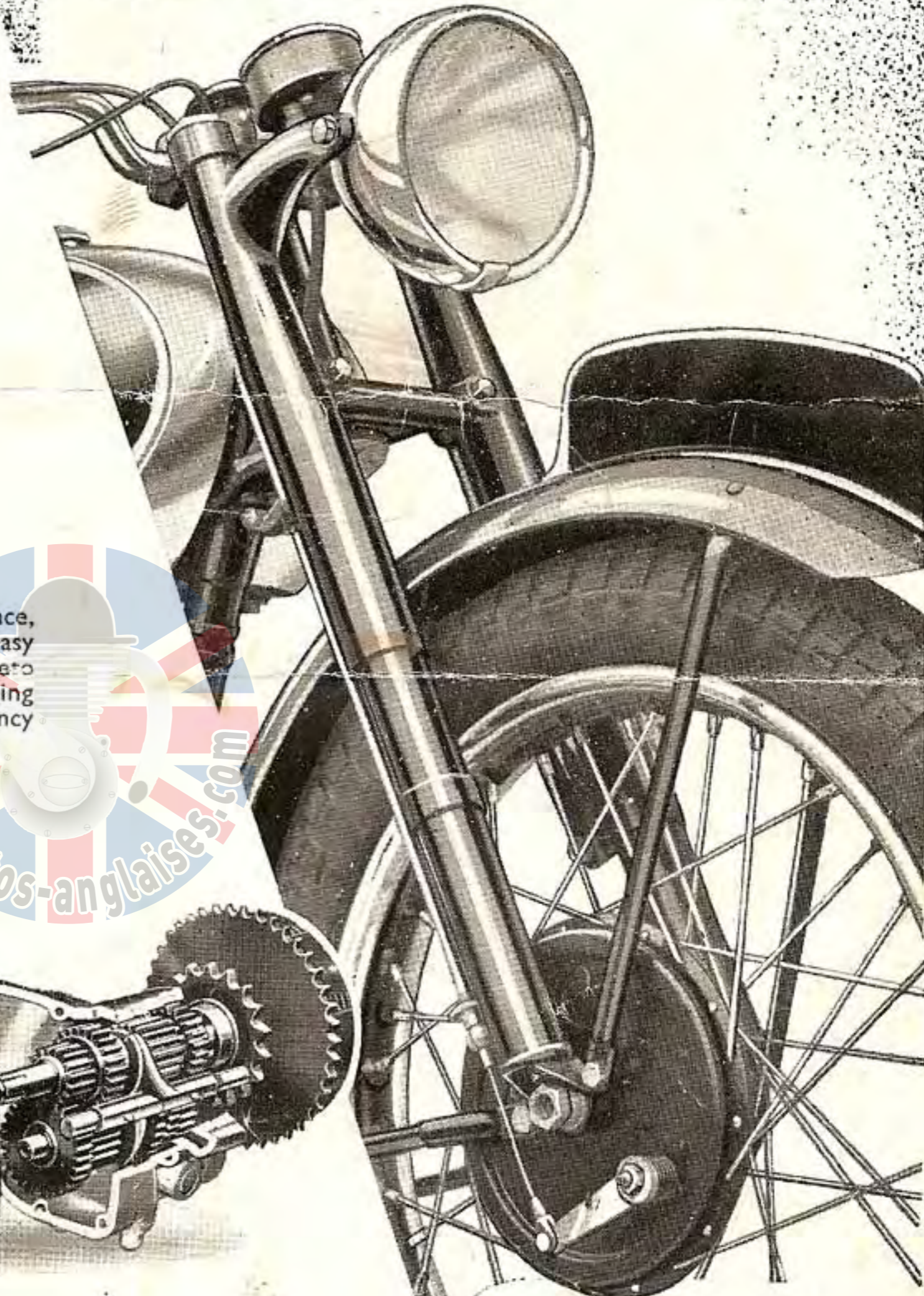


## VERTICAL TWIN ENGINE.

A power unit with a proved reputation for high performance, even torque, impressive low-engine-speed output and easy starting. Modifications and improvements include magneto and dynamo as separate components, the latter being mounted in front of the engine. Accessibility and efficiency are thereby greatly improved.

## FRONT FORKS.

This new Triumph fork has been developed to provide maximum riding comfort, perfect steering and a high standard of road holding. The design provides plenty of movement and incorporates hydraulic damping and automatic lubrication. The elimination of adjustments is an important feature.



## GEARBOX.

Universally acclaimed as the most efficient modern motor cycle gearbox. Compact layout with high load carrying capacity and easy accessibility to patented all-enclosed foot-change and gear operating mechanism. First class design, workmanship and materials ensure a high standard of silence and oil-tightness.

## BRAKES.

Front and rear brakes are designed for maximum efficiency, and the adjustment necessary over a prolonged period is reduced to a minimum by the use of the finest brake lining material on wide shoes. Special front brake operating gear to suit new telescopic fork.

All Goods are sold subject to the Guarantee, a copy of which is supplied to Triumph Dealers and will be published in the post-war catalogue, together with the Company's terms of business.