

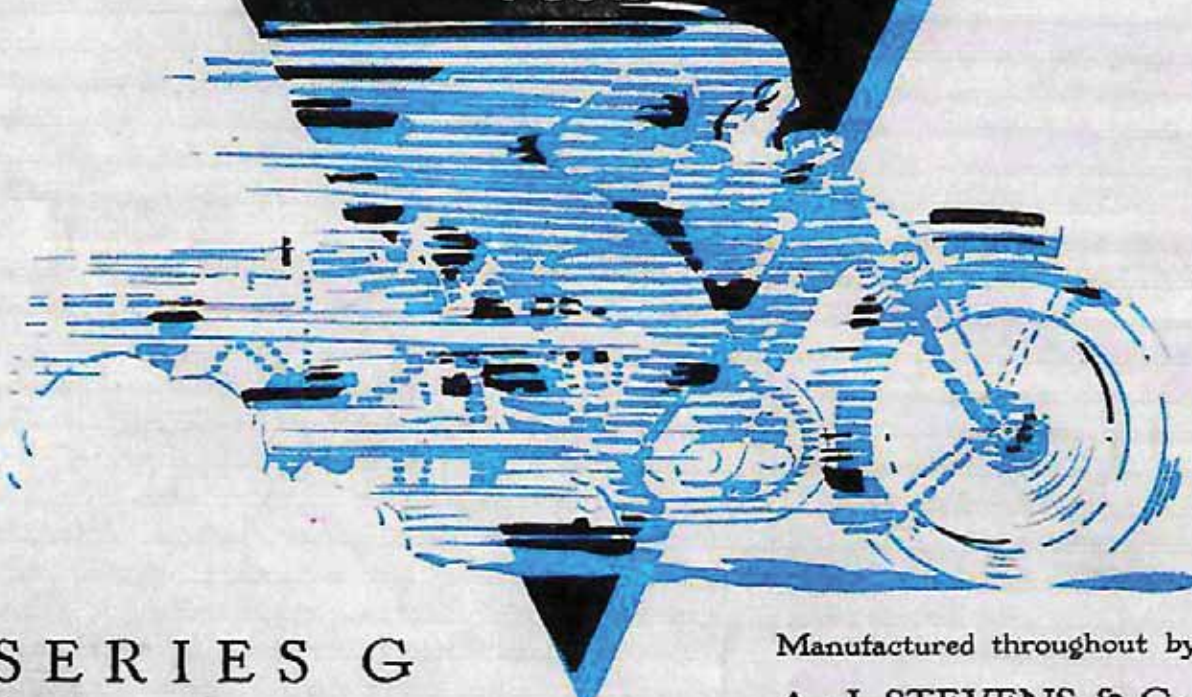
A.J.S.

MOTOR CYCLES

3.49 H.P.

4.98 H.P.

7.99 H.P.



SERIES G
Introducing
New Models

Manufactured throughout by
A. J. STEVENS & Co.
(1914) Ltd.

Wolverhampton

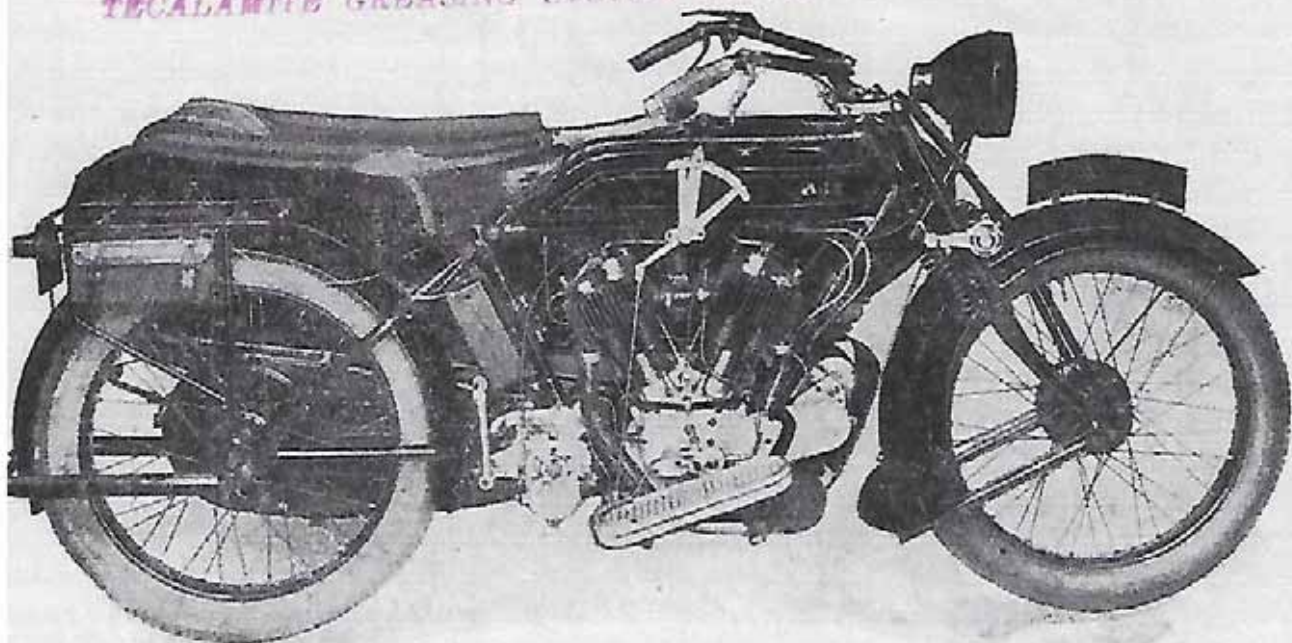
Sole Distributors for New South Wales—

P. & R. WILLIAMS LTD.

80-82 Wentworth Avenue, Sydney

Phones: City 3593 & 1134

TECALAMITE GREASING SYSTEM FITTED TO ALL MODELS.



The A.J.S. 7.99 h.p. De Luxe, Model G1.

Fitted with All-Chain Drive, Three-Speed Gear, Hand-Controlled Clutch, Foot-Starter, Internal Expanding Front and Rear Brakes, Quick Detachable, Interchangeable Wheels

SPECIFICATION.

Engine.—Twin Cylinder (74 x 93 mm. Bore and Stroke, 799 c.c. capacity). Fitted with Detachable Heads, Aluminium, Pistons, Roller Bearings to Big Ends of Connecting Rods. Shock Absorber to Engine Shaft. Large Interchangeable mechanically operated Valves. Adjustable Valve Tappets. Large efficient Silencer.

Carburettor.—Binks with twist grip control.

Frame.—Scientifically constructed of Heavy Gauge Best Quality Tubing throughout.

Tank.—Improved Design. Supported from below on brazed-on brackets. Fitted with Large Fillers for Petrol and Oil. Petrol Injectors to Cylinders. Capacity—Petrol, 2¼ gallons; Oil, 1 quart.

Lubrication.—Mechanical Oil Pump and Auxiliary Hand Pump.

Ignition.—Lucas Magneto, enclosed type. Handlebar Control. Vernier Timing Adjustment.

Chains.—“Hans Renold” extra strong Motor Cycle, 5/8 in. pitch x 3/8 in. wide.

Chain Cases.—Weather proof, entirely enclosing Chains.

Gear Box.—Our renowned Three-speed Bottom Bracket Gear. Ball Bearings throughout. Operation by our Patent Gate Change-speed Lever. Gear Ratios, 5, 9, 16 to 1.

Clutch.—Patent Multiple Plate, with Cork Inserts. Improved Operating Mechanism. Hand-controlled.

Wheels.—A.J.S. Patent. Both wheels are interchangeable and can be detached instantly.

Tyres.—Back and Front fitted with ~~700 x 80~~ mm. Dunlop Cord Heavy Non-Skid.

Mudguards.—The Front Mudguard is of special design, giving perfect protection in the worst weather. Back Guard is 7 in. wide. Both are fitted with Valance and Gutter.

Brakes.—Back and Front internal expanding pattern. Extremely powerful and smooth acting. Back operated by Foot Pedal on left-hand side of machine. Front by Pedal on right-hand side.

Forks.—Latest A.J.S. Design, fitted with Shock Absorbers, and all links adjustable for taking up side play.

Footboards.—Protected design, with deep Rubber Tread and Heel Rest, made entirely of Rubber.

Stands.—Fitted to both wheels. The Rear Stand is our patent design.

Carrier.—Steel tube, oxy-acetylene welded. Fitted with Pannier Bags with steel outer cases.

Tools.—A Tool Roll with full kit of best quality Tools is provided.

Starting.—Improved Design Foot-Starter, fitted with Rubber Covered Pedal. Entirely enclosed mechanism.

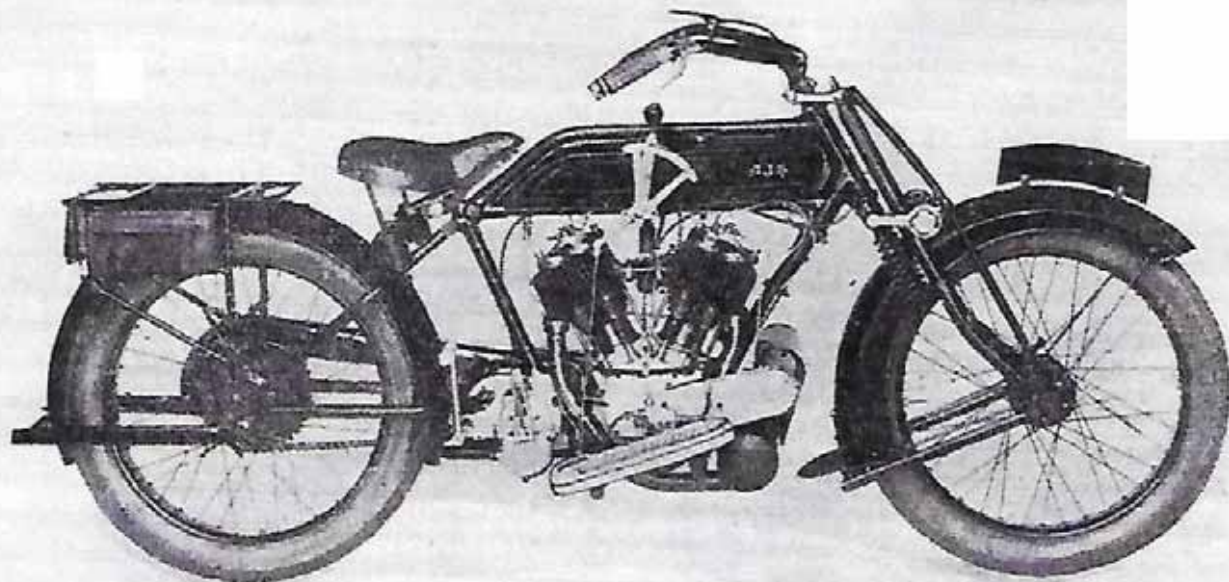
Saddle.—Terry “Spring Seat.”

Finish.—Finest Black Enamel on our Special Rust Preventive Process, including the Handlebars, usual parts heavily Nickel-plated.

Measurements.—Wheel Base, 4 ft. 9 in.

Weight.—Approx. 336 lbs.

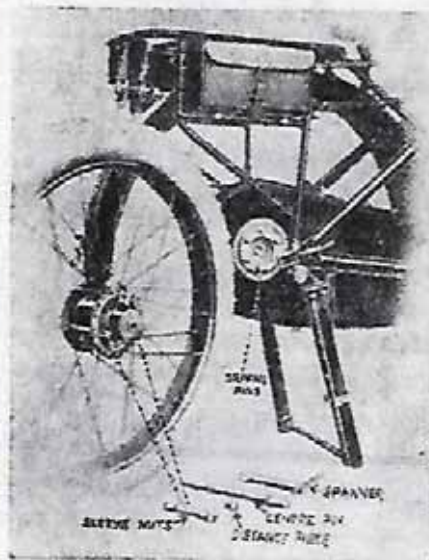
ENCALAMITE GREASING SYSTEM FITTED TO ALL MODELS.



The A.J.S. 7.99 h.p. Standard, Model G2.

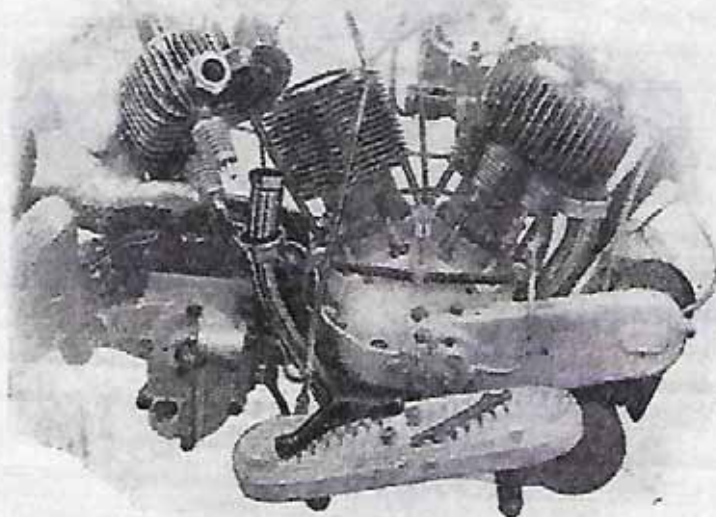
Fitted with All-Chain Drive, Three-Speed Gear, Hand Controlled Clutch, Foot-Starter, Internal Expanding Front and Rear Brakes, Quick Detachable Interchangeable Wheels.

General specification as Model G1, except semi-enclosed type chain guards, Brooks' saddle, ordinary rear stand. Weight, approx. 316 lbs.



A.J.S. Detachable Wheel

SIMPLICITY! Just loosen three bolts and the spindle nuts, and the wheel drops out without interference to transmission, mudguards or even speedometer drive. A refinement of design exclusive to A.J.S. machines.

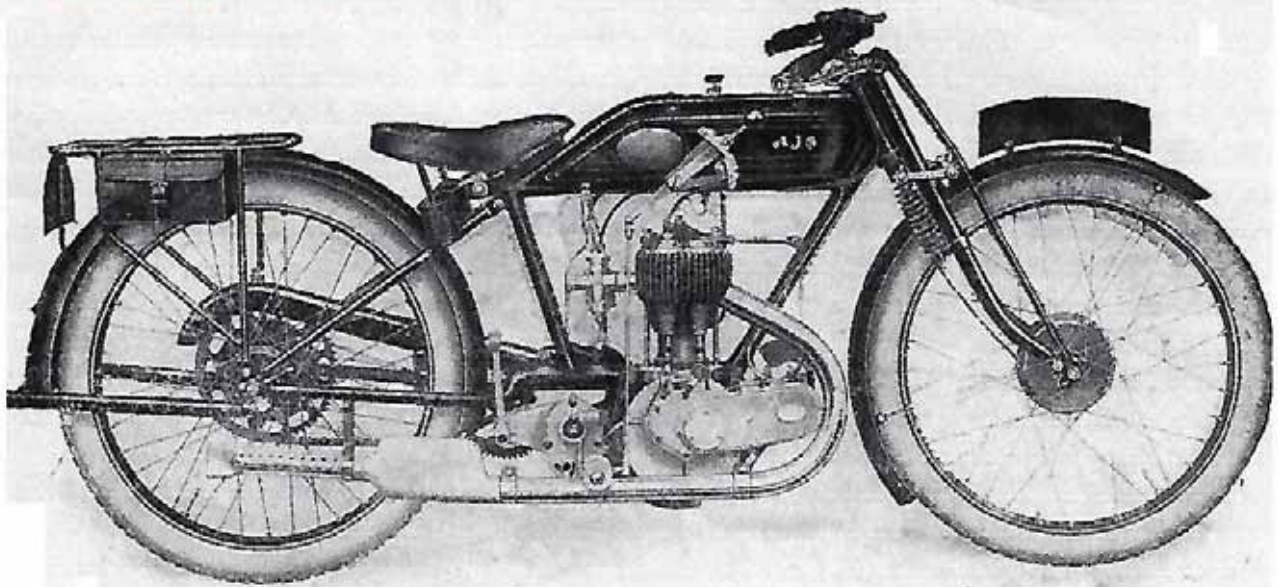


A.J.S.

Detachable Cylinder Heads

DISCONNECT induction and exhaust pipe unions, undo the two holding down nuts and remove cylinder head—a matter of seconds only. A typical example of A.J.S. accessibility.

TECALAMITE GREASING SYSTEM FITTED TO ALL MODELS.

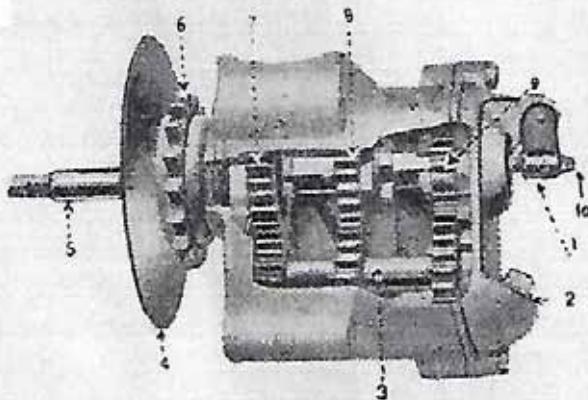


The A.J.S. 3.49 h.p. Standard Sporting Model G5.

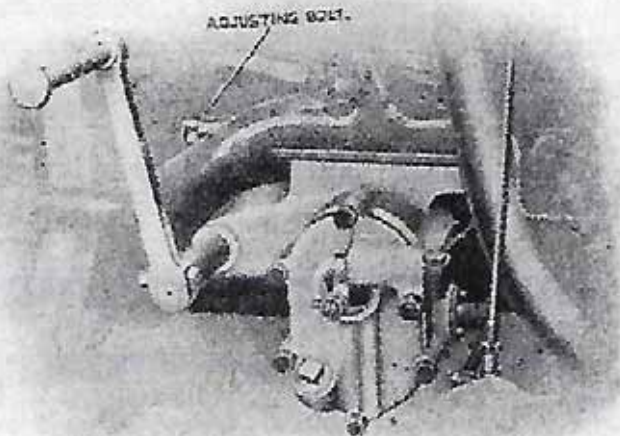
Fitted with All-Chain Drive, Three-Speed Gear, Hand-Controlled Clutch, Foot-Starter, Internal Expanding Front and Rear Brakes.

General Specification, similar to Models G3 and G4, excepting that the top half only of the chain is covered, and that 26 in. x 2½ in. x 2½ in. tyres are fitted. Front brake and/or mechanical lubricator optional. For further particulars see price list

A.J.S. Gear Box in Section

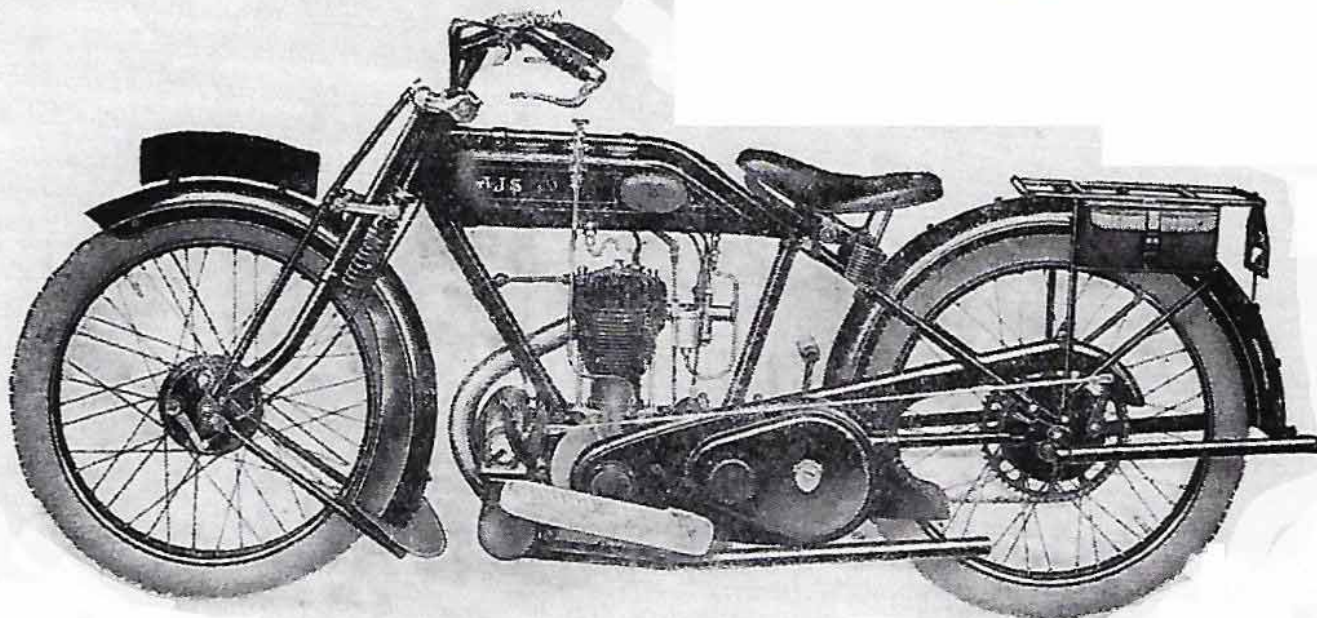


THE sturdy construction is immediately apparent. Only the finest nickel steel is used in shafts and pinions. Simplicity again.



A.J.S. Gear Box in Position

NOTE the simple adjustment for compensating chain stretch. Another example of A.J.S. simplicity.



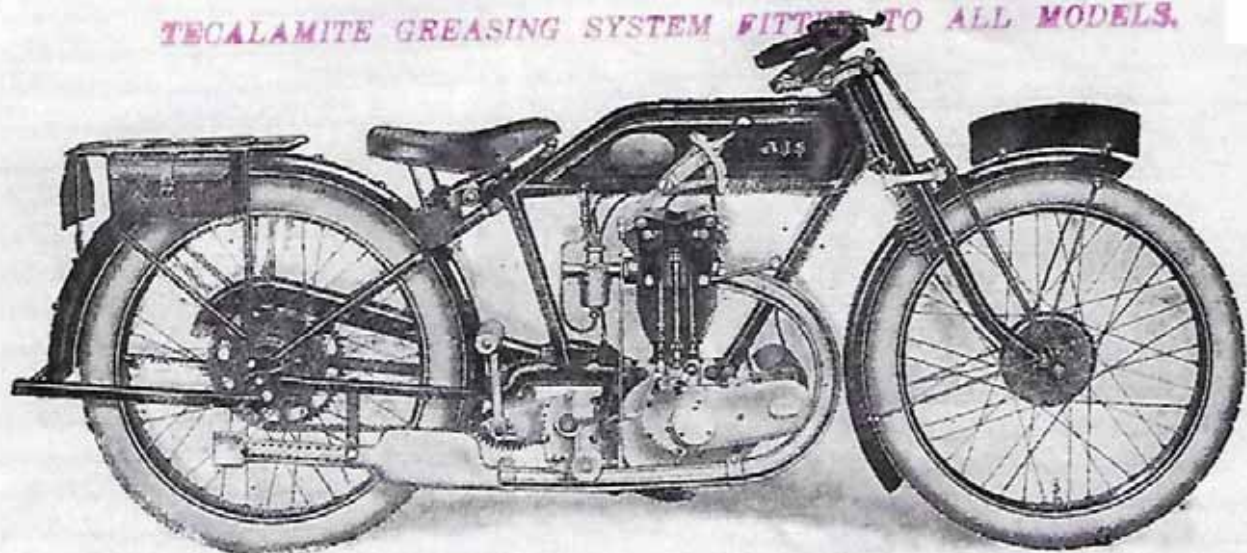
The A.J.S. 3.49 h.p. De Luxe Touring Model G3.

Fitted with All-Chain Drive, Three-Speed Gear, Hand-Controlled Clutch, Foot-Starter, Quick Detachable Rear Wheel, Internal Expanding Front and Rear Brakes.

SPECIFICATION.

- Engine.** Single Cylinder (74 x 81 mm. Bore and Stroke, 349 c.c. capacity), fitted with Detachable Head. Aluminium Piston. Roller Bearings to Big End of Connecting Rod. Large Mechanically Operated Valves. Adjustable Valve Tappets. Efficient Cooling.
- Carburettor.** Binks, with twist grip control.
- Frame.** Scientifically Constructed. Lightness with Strength.
- Tank.** Improved Design. 1½ gal. Petrol. 1 qt. Oil.
- Lubrication.** Mechanical Oil Pump and Auxiliary Hand Pump.
- Ignition.** "Lucas" Magneto. Handlebar Control.
- Chains.** "Hans Renold" ½ in. Pitch x 1⅛ in. wide. A Shock Absorber is fitted to the Engine Shaft.
- Chain Guards.** Semi-enclosed Type, giving easy access to the Transmission.
- Gear Box.** A.J.S. Countershaft Three Speed Gear, fitted throughout with Ball Bearings, Operated by our Patent Gate Change Lever. Ratios 5.5, 9.3, and 14 to 1.
- Clutch.** Hand-Controlled, with Cork Inserts.
- Wheels.** Rear A.J.S. Patent Quick-Detachable.
- Tyres.** 650 x 65 mm. Dunlop Cord Heavy Non-skid.
- Mudguards.** Improved Design, affording excellent protection.
- Brakes.** Front and Rear Internal Expanding Type. Rear Brake operated by Pedal on left-hand side of the machine. Front by lever on handlebar. Both are extremely powerful and smooth acting.
- Forks.** Latest A.J.S. Design, fitted with Shock Absorbers, and all links adjustable for taking up side play.
- Handlebars.** Touring Pattern.
- Footboards.** "Protected" Design of Solid Rubber.
- Stands.** Strong "Kick-up" Type fitted to Front and Rear Wheels.
- Carrier.** Built of Steel Tubing, with Welded Flush Joints.
- Tool Cases.** Two Pannier Bags, with Full Kit of Tools.
- Starting.** Improved Design Foot-Starter fitted with Rubber Covered Pedal, gives very easy starting.
- Saddle.** Brooks'.
- Finish.** Finest Black Enamel on our Special Rust Preventive Process, including the Handlebars, usual parts heavily Nickel-plated.
- Measurements.** Wheel Base 4 ft. 5½ in. Height of Saddle, 28 in.
- Weight.** Approx. 214 lb.

TECALAMITE GREASING SYSTEM FITTED TO ALL MODELS.

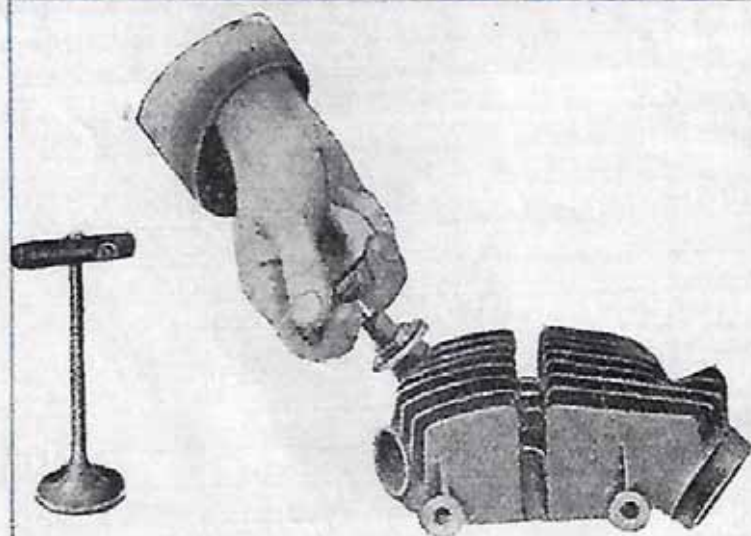


The A.J.S. 3.49 h.p. Overhead Valve Sporting Model G6

Fitted with All-Chain Drive, Three-Speed Gear, Hand-Controlled Clutch, Foot-Starter, Quick Detachable Rear Wheel, Internal Expanding Front and Rear Brakes

The general specification of this Model as regards equipment is the same as Model G4 other than the Engine, which is fitted with Overhead Valves, Close Ratio Gear Box, giving 5.52, 6.78, and 10.3 to 1, with a 21 Tooth Sprocket, Racing Type Mudguards and Chain Guards.

Speed Approximately 70 M.P.H.



A.J.S. **Overhead Valve Cylinder Head**

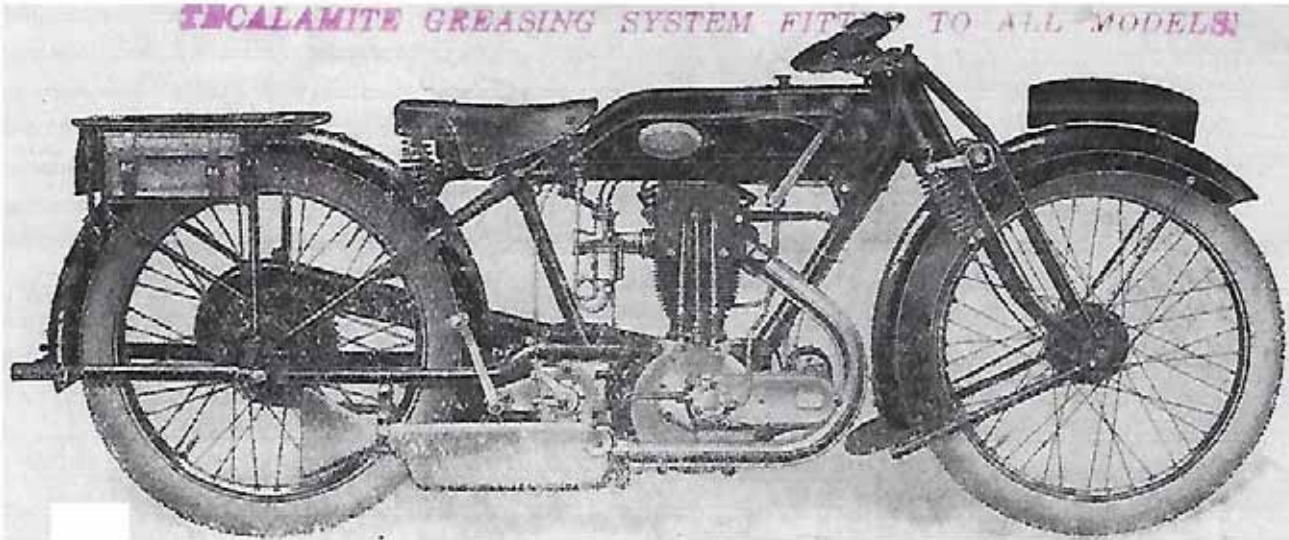
THE detachable head fitted to the A.J.S. can be removed in a few moments, and valve grinding usually such a difficult and irritating task, is rendered easy.

(We reserve the right to modify or deviate from all A.J.S. specifications without notice.)



A.J.S. Magneto Timing—Vernier Adjustment

THE finest adjustment is easily and quickly made without hammering or risk of damage to magneto.



The A.J.S. 4.98 h.p. Overhead Valve Sporting Machine Model G8.

Fitted with All-Chain, Three-Speed Gear, Hand-Controlled Clutch, Foot-Starter, Quick Detachable Rear Wheel, Internal Expanding Front and Rear Brakes.

SPECIFICATION.

Engine. Single Cylinder (84 x 90 mm. Bore and Stroke, 498 c.c. capacity). Fitted with Detachable Head, Aluminium Piston, Double Roller Bearing Big End, Enclosed Valve Lifter.

Carburettor. Binks with A.J.S. Twist-Grip Control.

Frame. Best Quality Tubing, Scientifically Constructed, Sidecar Lugs Integral.

Tank. Improved Design, 1½ gal. Petrol, 3 Pints Oil.

Lubrication. Mechanical Oil Pump and Auxiliary Hand Pump.

Ignition. Lucas Magneto. Handle-bar Control.

Chains. Hans Renold, Extra Strong, ½ in. Pitch x ¾ in. wide.

Chain Guards. Semi-enclosed type, giving easy access to the Transmission and Clutch.

Gear Box. A.J.S. Countershaft Three-Speed Gear, fitted throughout with Ball Bearings. Operated by Improved Gate Change. Ratios 4.3, 8.6 and 15 to 1.

Clutch. Multiple Plate Type, with Cork Inserts. Improved Operating Mechanism, Hand-controlled.

Wheel. Rear A.J.S. Patent Quick-detachable.

Tyres. 700 x 80 mm. Dunlop Cord Heavy Non-skid.

Mudguards. Best, Full Width, Front, Improved Design fitted with Valance and Flap.

Brakes. Front and Rear Internal Expanding. Extremely powerful and smooth acting. Rear operated by pedal on left-hand side of machine. Front by lever on left handle-bar.

Forks.—Latest A.J.S. Design. Links are adjustable for taking up side play. Lower links fitted with Shock Absorbers.

Handlebars. Semi T.T. pattern.

Footrests. Adjustable, allowing the rider to procure the most suitable riding position.

Stands. Fitted to Front and Rear Wheels.

Carrier. Built of Steel Tubing, with Welded Flush Joints.

Tool Cases. Two Pannier Bags with Full Kit of Tools.

Starting. Foot-Starter.

Saddle. Terry "Spring Seat."

Finish. Finest Black Enamel on our Special Rust Preventive Process, including Handlebars, usual parts heavily Nickel-plated.

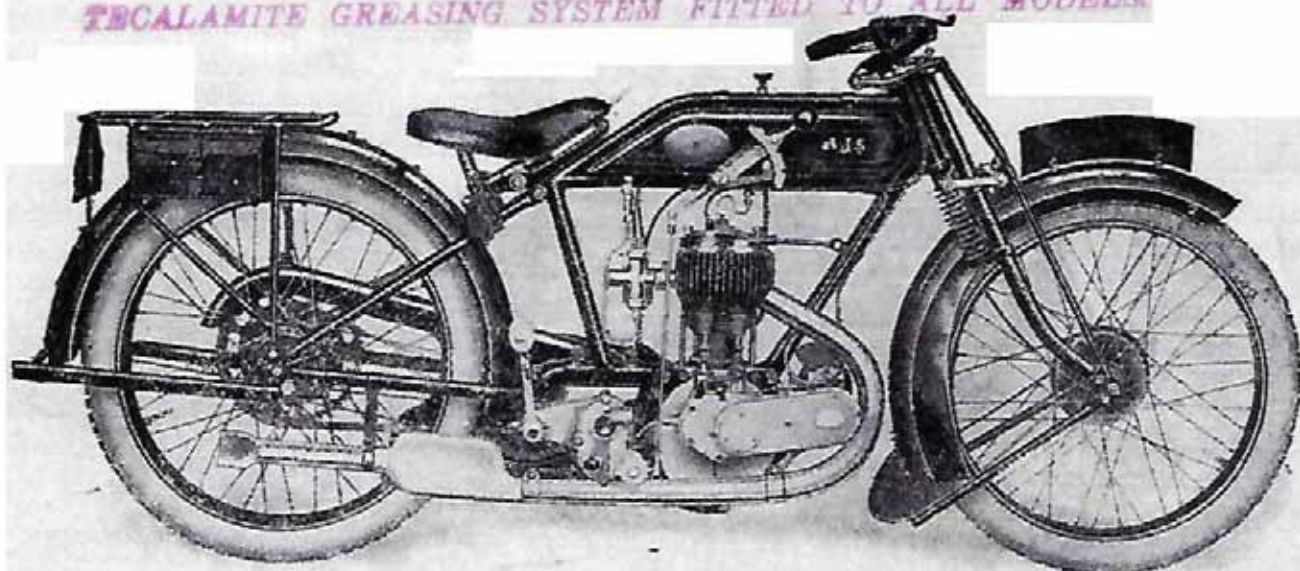
Measurements. Wheel Base, 4 ft. 8 in.

Height of Saddle, 28 in.

Ground Clearance, 4½ in.

Weight. 274 lbs.

TECALAMITE GREASING SYSTEM FITTED TO ALL MODELS.

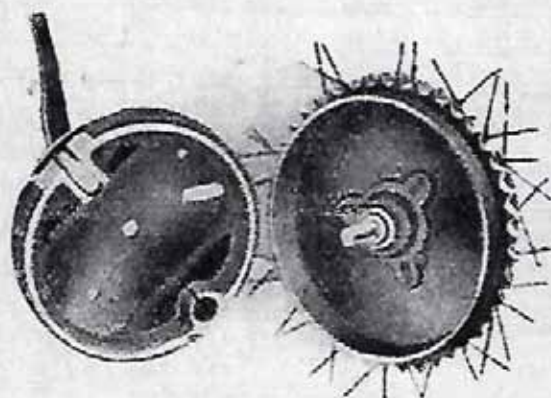


The A.J.S. 3.49 h.p. De Luxe Sporting Model G4.

Fitted with All-Chain Drive, Three-Speed Gear, Hand-Controlled Clutch, Foot-Starter, Quick Detachable Rear Wheel, Internal Expanding Front and Rear Brakes.

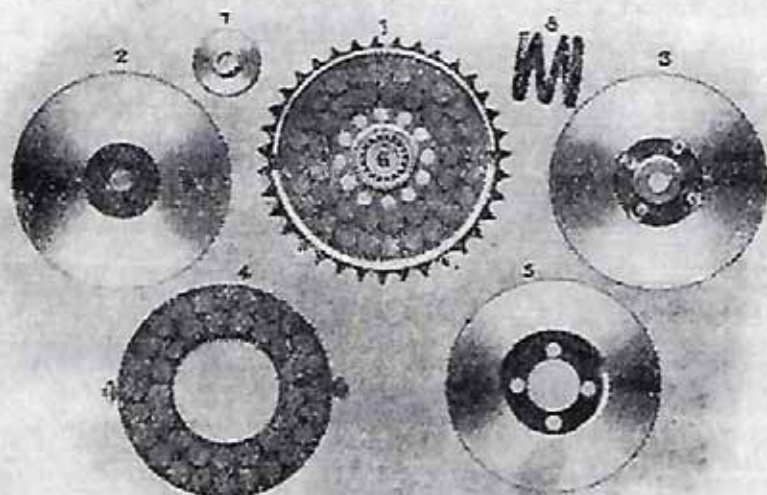
The general Specification of this Model as regards equipment is the same as Model G3. This Sporting Model has a specially tuned Engine, Semi T.T. Handlebars and Footrests.

One of these Models, absolutely Standard in every respect, and fully equipped, was officially timed by the A.C.U. Timekeeper on October 28, 1921, and lapped Brooklands at a speed of 62.47 miles per hour (flying start) and 61 miles per hour (standing start).



A.J.S. Internal Expanding Brake

IDENTICAL in construction and efficiency with the brakes fitted to the most expensive motor car in the world. Complete dependability under all conditions. Requires no attention other than occasional adjustment at either end of the rod. So simple!



A.J.S. Clutch

SIMPLICITY, sweet engagement, positive drive, everlasting wear.

A.J.S. 7 HP. CLUTCH PARTS.