

I.F.S.

LIGHTWEIGHT
MODELS

3.49 H.P. O.H.V. MODEL SB.6

3.49 H.P. S.V. MODEL SA.5

2.48 H.P. O.H.V. MODEL SA.12

MORE MODELS

TO THE 1931 RANGE

ALSO
4.98 H.P. O.H.V.
MODEL SB 8



3.49h.p. & 4.98h.p.
O.H.V. MODELS

INTRODUCTORY



WITH the additional models shown in this folder the A.J.S. 1931 range of Motor Cycles is now complete, and affords a selection which provides a mount to suit all classes of riders at prices within the reach of all pockets.

Whatever your requirements you will find a model in the A.J.S. range to meet them, from the 2.48 h.p. Lightweight models to the 9.96 h.p. Big Twin, and whichever model is your choice you can depend on having the highest possible quality and performance at the lowest possible price.

Study the complete catalogue and this folder at your leisure and compare prices and specifications

The following is the complete A.J.S. Range for 1931.

Model	Description	Price		
		£	s.	d.
S2	9.96 h.p. Twin Cylinder Machine	74	10	0
S4	3.99 h.p. De Luxe Side Valve Machine ...	52	15	0
SA4	3.49 h.p. De Luxe Side Valve Machine ...	52	15	0
S5	3.49 h.p. Standard Side Valve Machine ...	47	5	0
SA5	3.49 h.p. Standard Side Valve Machine ...	47	5	0
S6	3.49 h.p. Overhead Valve Machine ...	62	15	0
SB6	3.49 h.p. Overhead Valve Machine (Big Port)	47	17	6
S7	3.46 h.p. Overhead Camshaft Machine ...	94	10	0
S8	4.98 h.p. Overhead Valve Machine	70	5	0
SB8	4.98 h.p. Overhead Valve Machine (Big Port)	55	10	0
S9L	4.98 h.p. De Luxe Side Valve Machine ...	58	0	0
S9H	4.98 h.p. De Luxe Side Valve Machine ...	62	0	0
S10	4.95 Overhead Camshaft Machine	106	10	0
S12	2.48 Overhead Valve Machine	47	5	0
SA12	2.49 Overhead Valve Machine	47	5	0

All A.J.S. Motor Cycles are outstanding for the following qualities :—

**FLEXIBILITY, RELIABILITY,
ECONOMY, SILENCE, POWER,
APPEARANCE and COMFORT.**

SPECIFICATION

The A.J.S. 4.98 h.p. O.H.V. Big Port, Model SB 8.

Engine, A.J.S. Design and Manufacture. Inclined Single Cylinder. Overhead Valves. Enclosed Rocker Gear and Push Rods. (84 × 90 m.m. Bore and Stroke, 498 c.c. capacity). Improved system of Mechanical Lubrication. Detachable Cylinder Head. Big Port Exhaust. Aluminium Piston. Roller Bearings to Big End of Connecting Rod. Ball Bearing Main Shafts.

Frame, Semi-cradle, with Duplex Chainstays.

Three-Speed Countershaft Gear, Ratios, 5.07, 7.43 and 13.52 to 1.

Clutch, Hand-controlled.

Footstarter, with enclosed operating mechanism.

Rear Wheel, A.J.S. Patent Quick Detachable.

Tyres, 26 in. × 3 in. Wired-on Avon Heavy Non-skid.

Rear Mudguard, Hinged.

Hubs, Taper Roller Bearing.

Carburettor, Bowden, with twist grip control.

Handlebars, New Type, integral controls with Steering Damper.

Footrests, adjustable to any position.

Brakes, Internal Expanding Front and Rear, quick adjustable.

Transmission, All Chain (Hans Renold). Front and Rear, ½ in. pitch, 305 in. width. Primary Drive enclosed. Rear Drive, the top half only is covered.

Shock Absorber, on Engine Shaft.

Saddle, adjustable.

Magneto, Lucas, mounted behind Engine.

Stand, Central, Spring-up.

Tools, complete kit.

Wheel Base, 54½ in.

Petrol Tank, capacity 2 gallons.

Oil Tank, capacity 4½ pints.

Weight, to standard specification, 291 lbs.

Extra for Lucas Magdyno Electric Lighting Set with Instrument Panel containing Ammeter, Clock, Speedometer, Switches, and concealed Panel Lights

Price Solo ... £11 : 5 : 0
Price Combination ... £11 : 15 : 0

Extra for Lucas Magdyno Electric Lighting Set.

Price Solo ... £6 : 10 : 0
Price Combination ... £7 : 0 : 0

Extra for Chromium and Black Tank £1 : 3 : 9

Extra for Four-Speed Gear Box £1 : 15 : 6

A.J. STEVENS &

Telephone : 1731



SPECIFICATION

The A.J.S. 3.49 h.p. O.H.V. Big Port, Model SB 6.

Engine, A.J.S. Design and Manufacture. Single Cylinder. Overhead Valves. Enclosed Rocker Gear and Push Rods. (74 × 81 m.m. Bore and Stroke, 349 c.c. capacity). Improved system of Mechanical Lubrication. Detachable Cylinder Head. Big Port Exhaust. Aluminium Piston. Roller Bearings to Big End of Connecting Rod. Ball Bearing Main Shafts.

Three-Speed Countershaft Gear, Ratios, 5.30, 8.20 and 14.59 to 1.

Clutch, Hand-controlled.

Footstarter, with enclosed operating mechanism.

Tyres, 25 in. × 3 in. 4-Ply Wired-on Avon Heavy Non-skid.

Hubs, Taper Roller Bearing.

Carburettor, Bowden, with twist grip control.

Handlebars, New type, integral controls with Steering Damper.

Footrests, adjustable to any position.

Brakes, Internal Expanding Front and Rear, quick adjustable.

Transmission, All Chain (Hans Renold), ½ in. pitch, 305 width. Primary Drive enclosed. Rear Drive, the top half only is covered.

Shock Absorber, on Engine Shaft.

Saddle, adjustable.

Magneto, Lucas.

Rear Stand.

Tools, complete kit.

Wheel Base, 51½ in.

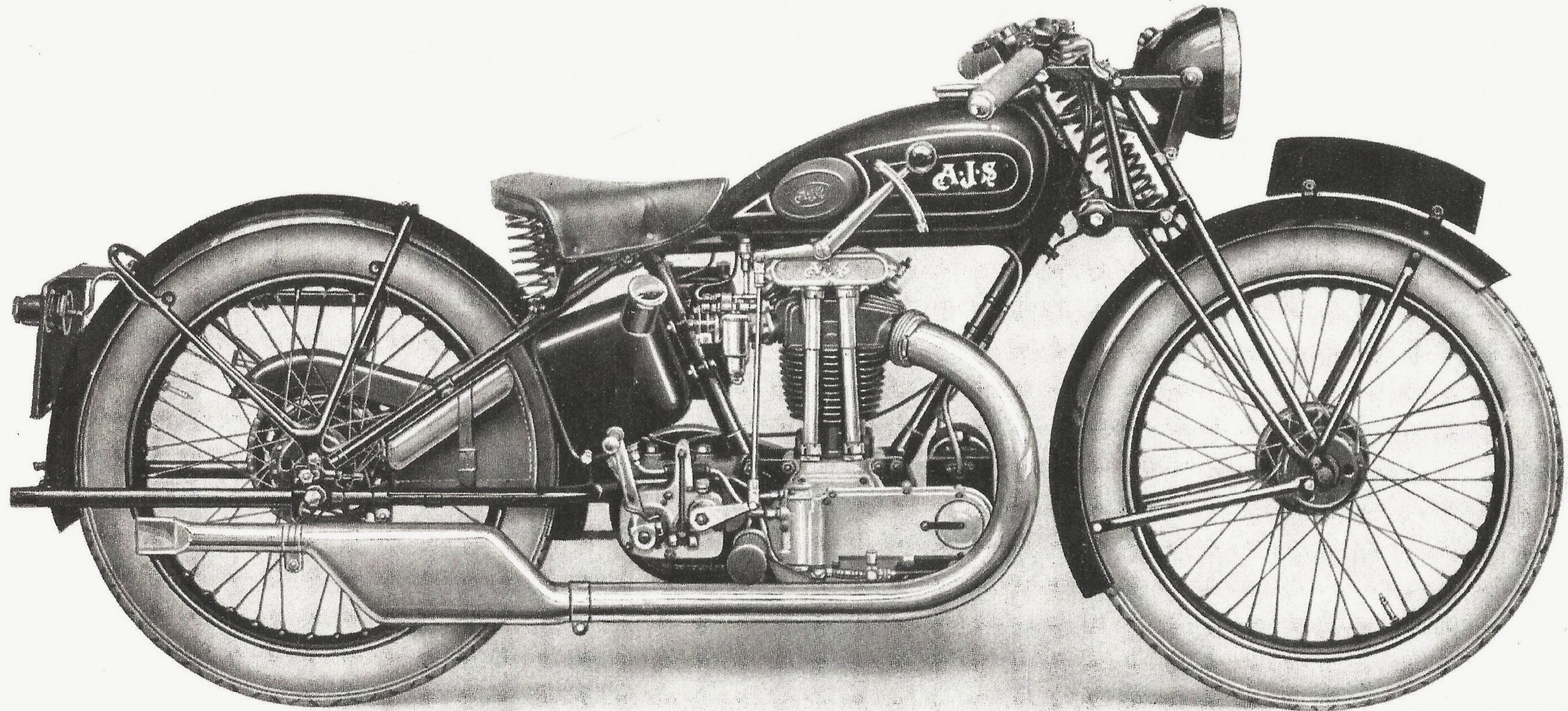
Petrol Tank, capacity 1½ gallons.

Oil Tank, capacity 3½ pints.

Weight, to standard specification, and when fitted with Maglita Lighting Set is under 224 lbs. This weight does not include the tool box and tools, which must be removed when machine is weighed for taxation purposes.

Extra for Maglita Electric Lighting Set £6 : 0 : 0
Extra for Chromium and Black Tank £1 : 3 : 9
Extra for Four-Speed Gear Box... .. £1 : 12 : 6

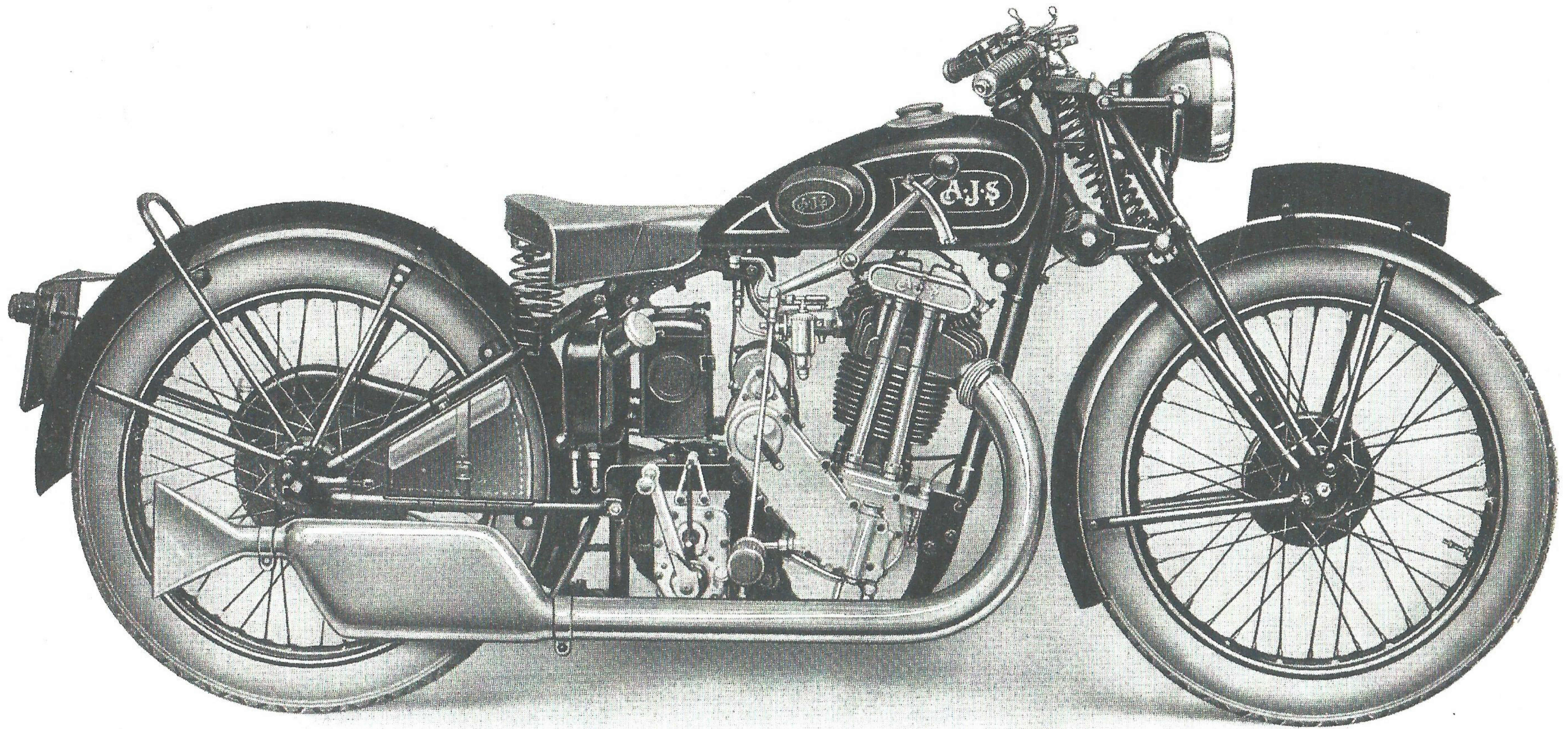
A.J.S.



THE A.J.S. 3.49 H.P. O.H.V. "BIG PORT" MODEL SB6 £47:17:6

£11:19:6 deposit and 12 monthly payments of £3:5:10.

Maglita Electric Lighting Set, as illustrated, £6 extra.

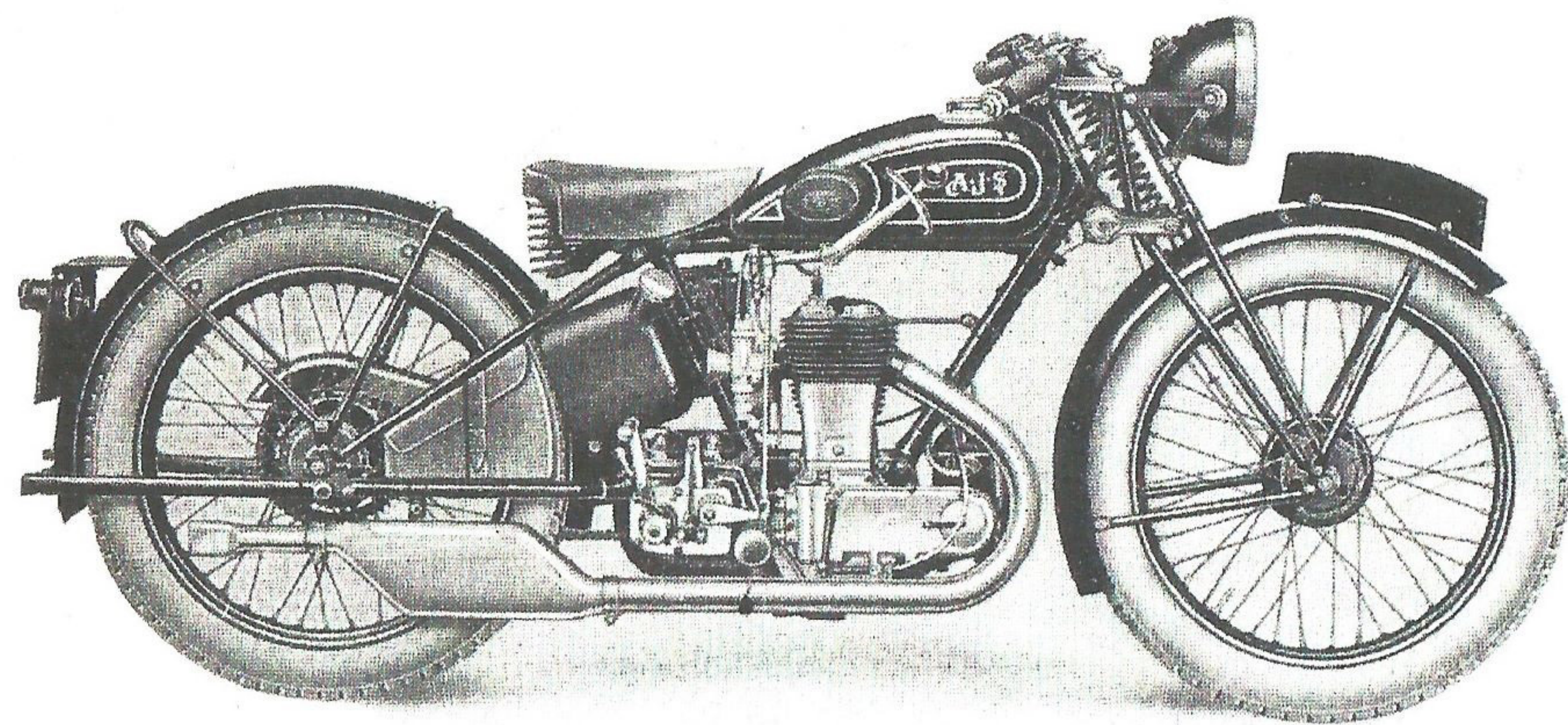


THE A.J.S. 4.98 H.P. O.H.V. "BIG PORT" MODEL SB8 £55:10:0

£13:17:6 deposit and 12 monthly payments of £3:16:4.

1914) LTD., WOLVERHAMPTON · ENGLAND

Telegrams: Hopit, Wolverhampton, England." Codes: A.B.C. 5th & 6th Editions, Bentley's, Marconi International



The A.J.S. 3.49 h.p. Lightweight Model SA 5.

SPECIFICATION

The A.J.S. 2.48 h.p. O.V.H. Two Port, Model SA 12.

Engine, A.J.S. Design and Manufacture. Single Cylinder. Overhead Valves. Entirely enclosed Rocker Gear and Push Rods. (65 × 75 m.m. Bore and Stroke, 248 c.c. capacity). Improved system of Mechanical Lubrication. Detachable Cylinder Head. Two-Port Exhaust. Aluminium Piston. Roller Bearings to Big End of Connecting Rod. Ball Bearing to Main Shafts.
Three-Speed Countershaft Gear, Ratios, 5.83, 9.02 and 16.05 to 1.
Clutch, Hand-controlled.
Footstarter, with enclosed operating mechanism.
Tyres, 25 in. × 3.00 in. Wired-on Avon Heavy Non-skid.
Hubs, Taper Roller Bearing.
Carburettor, Amal, with twist grip control.
Handlebars, New Type with Steering Damper.

Footrests, adjustable to any position.
Brakes, Internal Expanding Front and Rear, quick adjustable.
Transmission, All Chain (Hans Renold), ½ in. pitch, 305 in. width. Primary Drive enclosed. Rear Drive, the top half only is covered.
Shock Absorber, on Engine Shaft.
Rear Stand.
Magneto, Lucas.
Tools, complete kit.
Wheel Base, 51½ in.
Petrol Tank, capacity 1½ gallons.
Oil Tank, capacity 3½ pints.
Weight, complete with Maglita Set and full equipment 223¼ lbs.
 Extra for Maglita Electric Lighting Set, as illustrated, Price Solo £6 : 0 : 0
 Extra for Chromium and Black Tank, Price ... £1 : 3 : 9

Extra for Four-Speed Gear Box ... £1 : 12 : 6

PRICE - - £47 : 5 : 0

SPECIFICATION

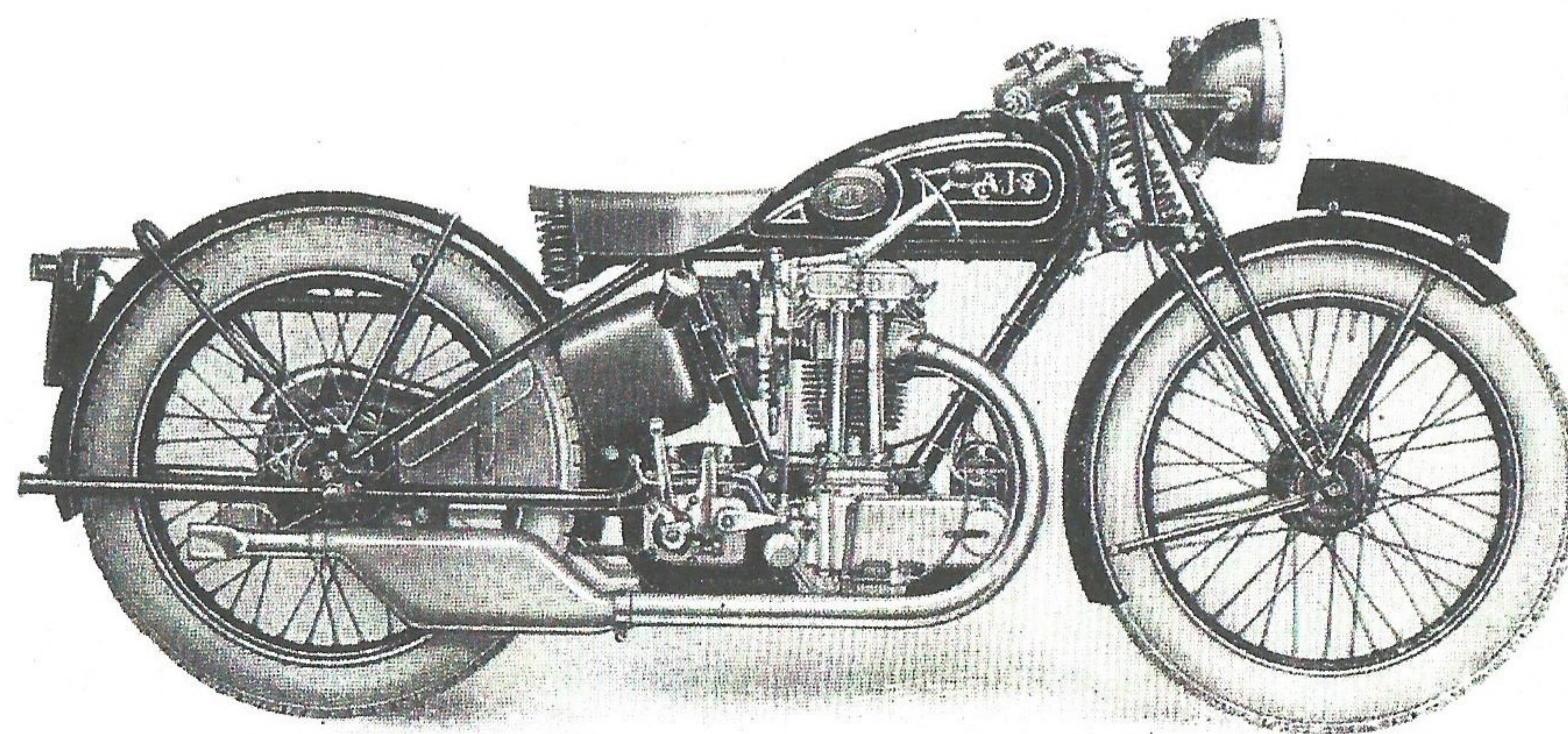
The A.J.S. 3.49 h.p. Lightweight, Model SA 5.

Engine, A.J.S. Design and Manufacture. Single Cylinder. Side-by-Side Valves. (74 × 81 m.m. Bore and Stroke, 349 c.c. Capacity). Improved system of Mechanical Lubrication. Aluminium Piston. Roller Bearings to Big End of Connecting Rod. Ball Bearing Main Shafts.
Three-Speed Countershaft Gear, Ratios, 5.8, 9.02 and 16.05 to 1.
Clutch, Hand-controlled.
Footstarter, with enclosed operating mechanism.
Tyres, 25 in. × 3.00 in. Wired-on Avon Heavy Non-skid.
Hubs, Taper Roller Bearing.
Carburettor, Amal, with Twist Grip Control.
Handlebars, New Type with Steering Damper.
Footrests, adjustable to any position.

Brakes, Internal Expanding Front and Rear, quick adjustable.
Transmission, All Chain (Hans Renold) ½ in. pitch, 305 in. width. Primary Drive enclosed. Rear Drive, the top half only is covered.
Shock Absorber, in Engine Shaft.
Rear Stand.
Magneto, Lucas.
Tools, complete kit.
Wheel Base, 51½ in.
Petrol Tank, capacity 1½ gallons.
Oil Tank, capacity 3½ pints.
Weight, complete with Maglita Set and full equipment, 221 lbs.
 Extra for Maglita Electric Lighting Set, as illustrated, Price Solo £6 : 0 : 0
 Extra for Chromium and Black Tank, Price ... £1 : 3 : 9

Extra for Four-Speed Gear Box ... £1 : 12 : 6

PRICE - - £47 : 5 : 0



The 2.48 h.p. Lightweight Model SA 12