

The 1931

A·J·S

*Special
Overhead
Camshaft
Models*

**3·46 HP & 4·95 HP
MODELS S·7 & S·10**

Manufactured throughout by
A·J·Stevens & Co. (1914) LTD
WOLVERHAMPTON, England.

Some 1930 Achievements.

GREAT BRITAIN.		
Tourist Trophy, Isle of Man	Lightweight Race	FIRST , in Record Time also Record Lap
Scottish Speed Championship	(350 c.c. Class)	FIRST.
Welsh Speed Championship	(350 c.c. Class)	FIRST.
200 Miles Sidecar Race, Brooklands	(350 c.c. Class)	FIRST.
"The Motor Cycle Meeting," Brooklands	(500 c.c. Scratch Race)	FIRST.
Brooklands Grand Prix, May 31st, 1930	(350 c.c. Class)	FIRST Fastest Time of the meeting
Brooklands Grand Prix, Aug. 16th, 1930	(500 c.c. Class)	FIRST.
Brooklands 200 Miles Solo Race	(350 c.c. Class)	FIRST.
	(500 c.c. Class)	FIRST.
IRELAND.		
Ulster Grand Prix	(350 c.c. Class)	FIRST , also Record Lap.
Irish Speed Championship	(350 c.c. Class)	FIRST.
Leinster "100"	(350 c.c. Class)	FIRST , and Fastest Time
AUSTRALIA.		
Australian T.T.	Senior Race	FIRST , in Record Time
" "	" "	SECOND.
" "	Junior Race	FIRST.
" "	Sidecar Race	FIRST.
SOUTH AFRICA.		
Orange Free State	Blue Riband Race	FIRST , A.J.S. machines also secured Fourth and Sixth Places
GERMANY.		
German Grand Prix	(350 c.c. Class)	FIRST , in Record Time
German T.T.	(350 c.c. Class)	FIRST.
" "	(350 c.c. Sidecar Class)	THIRD.
" "		FIRST.
" "		THIRD.
AUSTRIA.		
Austrian Grand Prix	(350 c.c. Class)	FIRST , in Record Time & Record Lap
		SECOND.
HOLLAND.		
Dutch T.T.	350 c.c. Class	FIRST.
HUNGARY.		
Hungarian T.T.	(350 c.c. Class)	FIRST , in Record Time & Record Lap
FRANCE.		
French Grand Prix	(350 c.c. Class)	FIRST, SECOND and FOURTH
BELGIUM.		
Grand Prix de Namur	(350 c.c. Class)	FIRST Fastest Time & Fastest Lap.
		SECOND. All Classes.
		THIRD.
Grand Prix d'Europe	(350 c.c. Class)	SECOND and THIRD.
Grand Prix de Brussels	(350 c.c. Class)	FIRST, SECOND and THIRD
WORLD'S RECORDS		
Brooklands	(600 & 1,000 c.c. Sidecar Classes)	830 miles in 12 hours. Average Speed 69.17 m.p.h. Also the records for 8, 9, 10 and 11 hours, and the 1,000 Kilometres were lowered.
"	(350 c.c. Solo Class)	500 Kiloms at 85.85. 4 Hours at 85.58.
Arpaion	(350 c.c. Class)	1 Kilom (Standing Start) 76.33 m.p.h. 1 Mile (Standing Start) 84.63 m.p.h.
Monthlery	(500 c.c. 750 c.c. & 1,000 c.c. Classes)	1 Hour at 108.608 m.p.h. 100 Miles at 108.504 m.p.h.
"	(600 c.c. Sidecar Class)	5 Kiloms (Flying Start) 96.20 m.p.h. 5 Miles (Flying Start) 96.20 m.p.h. 10 Kiloms (Standing Start) 92.96 m.p.h. 10 Miles (Standing Start) 93.68 m.p.h.
"	(350 c.c. Solo Class)	50 Miles at 104.20 m.p.h. 100 Kiloms. at 104.33 m.p.h. 100 Miles at 104.52 m.p.h. 1 Hour at 104.52 m.p.h. 200 Miles at 99.95 m.p.h. 2 Hours at 99.95 m.p.h.

A.J.S.

A.J.S. 3.46 h.p. OVERHEAD CAMSHAFT MACHINE, MODEL S7.

Engine. A.J.S. Design and Manufacture; Single Cylinder (70 x 90 mm Bore and Stroke, 346 c.c. capacity) fitted with Detachable Head, Aluminium Piston, Roller Bearings to Big End of Connecting Rod. Ball Bearings to Main Shafts and Timing Shaft. The Overhead Camshaft is driven by chain with patent tensioning device and reaction damper.

Carburettor, Frame. 2-jet with Twist Grip Control. Scientifically constructed, giving low Saddle Position.

Petrol Tank. 2 gallons, 31 pints

Oil Tank. Fitted behind Saddle Down Tube. Capacity, 5 pints.

Lubrication. Dry Sump with Auxiliary Feed to Cylinder Wall.

Ignition. Lucas Racing Magneto. Hand-lever Control. Vernier Timing Adjustment.

Chains. "Hans Rempel" 1 in. pitch x 3/16 in. wide. A Shock Absorber is fitted on the Engine Shaft.

Chain Guards Semi-enclosed type, giving easy access to the transmission.

Gearbox. Three-Speed Countershaft Gear fitted throughout with Ball Bearings. Operated by our Patent Gas Change Speed Lever. Close Ratio Type fitted as standard. Ratios—5.39, 7.186, 12.936.

Clutch. Hand-controlled with Cork Inserts.

Wheels. Both Front and Rear Hubs fitted with Patent Taper Roller Bearings. Rear has specially light Hub and Brake Drum. Rear Wheel is not of the Quick Detachable type.

Tyres. Avon. Wired-on Heavy "Non-skid."

Mudguards, Footrests, Brakes. 26 x 3.00. Front ribbed, Rear studded. Adjustable. Narrow Racing Type.

Forks. Front and Rear Internal Expanding. Quick Adjustable. Rear Brake 9 in. diameter, operated by Pedal on left hand side of Machine. Front 7 in. diameter, operated by lever on Handlebar. Both are extremely powerful and smooth acting.

Handlebars, Stand, Saddle, Tool Case, Measurements, Weight. Latest A.J.S. Design. Fitted with Shock Absorbers. All links are adjustable for taking up side play. T.T. type with Steering Damper. Strong Kick-up type fitted to Rear Wheel. Terry. Carried between Chain Stays. Wheel Base, 4 ft. 5 in. Overall Length 5 ft. 9 in. 250 lbs.

Price -

Introductions

FOR 1931 we are again listing two special O.H.C. machines, viz., the 3.49 h.p. Model S7 and the 4.95 h.p. Model S10. These machines are replicas of those which have performed with such marked success in Races and Record Breaking during 1930.

The special A.J.S. O.H.C. models are only made in limited quantities; each machine being built and tested by our Racing Dept.

We do not guarantee any speeds, but assurance is given that such model leaving the works is prepared exactly as if it was to be used by our own riders in racing events.

Neither footstarters nor electric lighting sets are fitted to Models S7 and S10, as these are rarely if ever required on purely racing machines.

A.J.S. 4.95 h.p. OVERHEAD CAMSHAFT MACHINE, MODEL S10.

Engine. A.J.S. Design and Manufacture. Single Cylinder (79 x 101 mm. Bore and Stroke, 495 c.c. capacity) fitted with Detachable Head, Aluminium Piston, Roller Bearings to Big End of Connecting Rod. Ball Bearings to Main Shafts and Timing Shaft. The Overhead Camshaft is driven by chain with patent tensioning device and reaction damper.

Carburettor, Frame. 2-jet with Twist Grip Control. Scientifically constructed, giving low Saddle Position.

Petrol Tank. 3 gallons, 6 pints

Oil Tank. Fitted behind Saddle Down Tube. Capacity, 5 pints.

Lubrication. Dry Sump with Auxiliary Feed to Cylinder Wall.

Ignition. Lucas Racing Magneto. Hand-lever Control. Vernier Timing Adjustment.

Chains. "Hans Rempel" 1 in. pitch x 3/16 in. wide. Rear 1 in. x .250 in. wide. A Shock Absorber is fitted on the Engine Shaft.

Chain Guards Semi-enclosed type, giving easy access to the transmission.

Gearbox. Three-Speed Countershaft Gear fitted throughout with Ball Bearings. Operated by our Patent Gas Change Speed Lever. Close Ratio Type fitted as standard. Ratios—4.56, 6.08, 10.944.

Clutch. Hand-controlled with Cork Inserts.

Wheels. Both Front and Rear Hubs fitted with Patent Taper Roller Bearings. Rear has specially light Hub and Brake Drum. Rear Wheel is not of the Quick Detachable type.

Tyres. Avon. Wired-on Heavy "Non-skid."

Mudguards, Footrests, Brakes. 27 x 3.00. Front ribbed, Rear studded. Adjustable. Narrow Racing Type.

Forks. Front and Rear Internal Expanding. Quick Adjustable. Rear Brake 9 in. diameter, operated by Pedal on left hand side of Machine. Front 7 in. diameter, operated by lever on Handlebar. Both are extremely powerful and smooth acting.

Handlebars, Stand, Saddle, Tool Case, Measurements, Weight. Latest A.J.S. Design. Fitted with Shock Absorbers. All links are adjustable for taking up side play. T.T. type with Steering Damper. Strong Kick-up type fitted to Rear Wheel. Terry. Carried between Chain Stays. Wheel Base, 4 ft. 7 in. Overall Length 7 ft. 0 1/2 in. 316 lbs.

Price -

