

The A.J.S. 7 h.p. de Luxe Passenger Combination, Model D.

Fitted with Lucas Electric Lighting Set, All-Chain Drive, 3-Speed Gear, Hand-controlled Clutch, Foot-Starter, Internal Expanding Front and Rear Brakes, Quick Detachable, Interchangeable Wheels.

SPECIFICATION. MOTOR CYCLE.

Engine	Twin Cylinder (74 x 93 mm. Bore and Stroke, 800 c.c. capacity). Fitted with Detachable Heads, Aluminium Pistons, Roller Bearings to Big Ends, Connecting Rods, Shock Absorber to Engine Shaft, Large Interchangeable mechanically operated Valves, Adjustable Valve Tappets, Large efficient Silencer.	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.
Carburettor	A.M.A.C. Multiple Jet.	Forks	"Brampton" Patent "Biflex," built to our special instructions.
Frame	Scientifically constructed of Straight Tubing throughout.	Footboards	Protected design, with deep Rubber Tread and Heel Rest, made entirely of Rubber.
Tank	Saddle Pattern. Supported from below on brazed on brackets. Fitted with Large Fillers for Petrol and Oil. Petrol Injectors to Cylinders. Capacity—Petrol, 2½ gals. Oil, 1 qt.	Stands	Fitted to both wheels. The Rear Stand is our patent design.
Lubrication	Best & Lloyd, semi-automatic Hand Pump.	Carrier	Steel tube, oxy-acetylene welded. Fitted with Pannier Bags with steel outer cases.
Ignition	Lucas "Magdyno," enclosed type, Handlebar Control, Vernier Timing Adjustment.	Tools	A Tool Roll with full kit of best quality Tools is provided.
Chains	"Hans Renold" extra strong Motor Cycle. ½ in. pitch x ½ in. wide.	Starting	Improved Design Foot-Starter, fitted with Rubber Covered Pedal. Entirely enclosed mechanism.
Chain Cases	Weather proof entirely enclosing Chains.	Saddle	The new Brooks B 600 Limited, best known and most comfortable. Large Pan Seat.
Gear Box	Our renowned Three-speed Bottom Bracket Gear. Ball Bearings throughout. Operation by our Patent Gate Change-speed Lever. Gear Ratios 3.9, 16 to 1.	Finish	Finest Black Enamel, four coats, on Special Rust Preventive process, including the Handlebars.
Clutch	Patent Multiple Plate, with Cork Inserts. Hand controlled by Lever on left Handlebar.	Horn	Electric.
Wheels	A.J.S. Patent. Both wheels are interchangeable and can be detached instantly.	Lighting	Lucas "Magdyno" Electric Lighting Set, complete with Accumulator, Head, Side and Tail Lamps and Switch Box.
Tyres	Back and Front fitted with 700 x 80 mm. Heavy Non-Skid Dunlop Tyres.	Registration	Plates fitted ready for Painting.
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.	Measurements	Wheel Base, 4 ft. 9 in. Ground Clearance, 6 in.

SIDECAR.

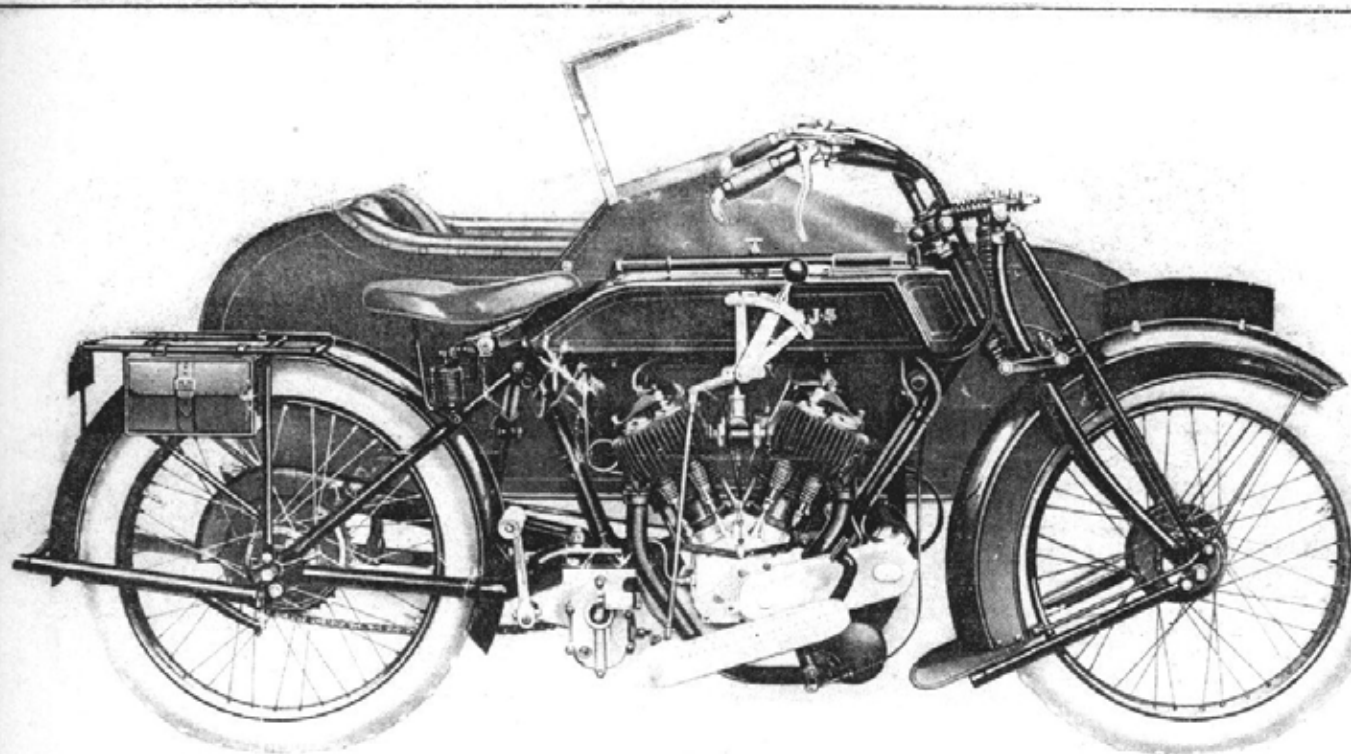
Body	Constructed of steel panelling. Beautifully upholstered. Seat and back fitted with springs. The standard equipment includes Storm-proof Apron, Wind Screen, Side Screen, Sidecar Stand and Lamp. Ample room under seat for spare tin of petrol and oil.	Tyre	700 x 80 mm. Heavy Dunlop Non-skid
Chassis	Special underslung type, the design of which enables a very spacious body to be fitted. Ground clearance full 6 in.	Mudguard	5 in. wide and fitted with Side Shield, completely protecting the passenger against mud and dirt.
Wheel	Instantly detachable and interchangeable with wheels of Motor Cycle.	Luggage Carrier	Strongly made of metal. Very spacious, and is integral with the body.
		Colour	Our standard colour is Black, from which no deviation can be made.

PRICE

If fitted with D1 Sidecar
(see next page) Price

Extra Spare Wheel and Tyre
Extra for Hood
Extra for Left Hand Side Screen

(We reserve the right to modify or deviate from the above Specification without notice).



The A.J.S. 7 h.p. Passenger Combination Model D1.

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

SPECIFICATION.

MOTOR CYCLE.

Engine	Twin Cylinder (74×93 m/m Bore and Stroke, 800 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.	Wheels	A.J.S. Patent. Both Wheels of the Motor Cycle are interchangeable and can be detached instantly.
Carburettor	A.M.A.C. Multiple Jet.	Tyres	Back and Front fitted 700 × 80 m/m Heavy Non-skid Dunlop Tyres.
Frame	Scientifically Constructed of Straight Tubing throughout.	Mudguards	Special design, giving adequate protection.
Tank	Saddle Pattern. Supported from below on brazed-on brackets. Fitted with Large Fillers for petrol and oil. Petrol Injectors to Cylinders. Capacity: Petrol 2½ gallons, Oil 1 quart.	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.
Lubrication	Best & Lloyd Semi-Automatic Hand Pump.	Forks	Brampton Patent "Bilfex," built to our special instructions.
Ignition	Lucas Magneto, enclosed type. Handlebar Control. Vernier Timing Adjustment.	Footboards	Protected design, with deep Rubber Tread and Heel Rest, made entirely of rubber.
Chains	Best Quality Extra Strong Motor Cycle, ½ in. pitch × ¾ in. wide.	Stands	Fitted to both wheels.
Chain Guards	Semi-enclosed type, giving easy access to the Transmission.	Carrier	Steel tube, oxy-acetylene welded. Fitted with Pannier Bags with steel outer cases.
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.	Tools	A Tool Roll, with full kit of best quality Tools is provided.
Clutch	Patent Multiple Plate, with Cork Inserts. Hand-controlled by lever on the left handlebar.	Starting	Improved design Foot-Starter, fitted with rubber-covered pedal.
Body	Constructed of steel panelling. Beautifully upholstered. Seat and back fitted with springs. The back of the seat is hinged, giving easy access to spacious locker at rear of body.	Finish	Finest Black Enamel, on special rust preventive process, including the Handlebars.
Chassis	Special Under-slung Type, with duplex axle tubes.	Registration	Plates fitted ready for painting.
		Measurements	Wheel base 4 ft. 9 in. Ground clearance 5 in.
		Weight	Approx. 316 lbs.

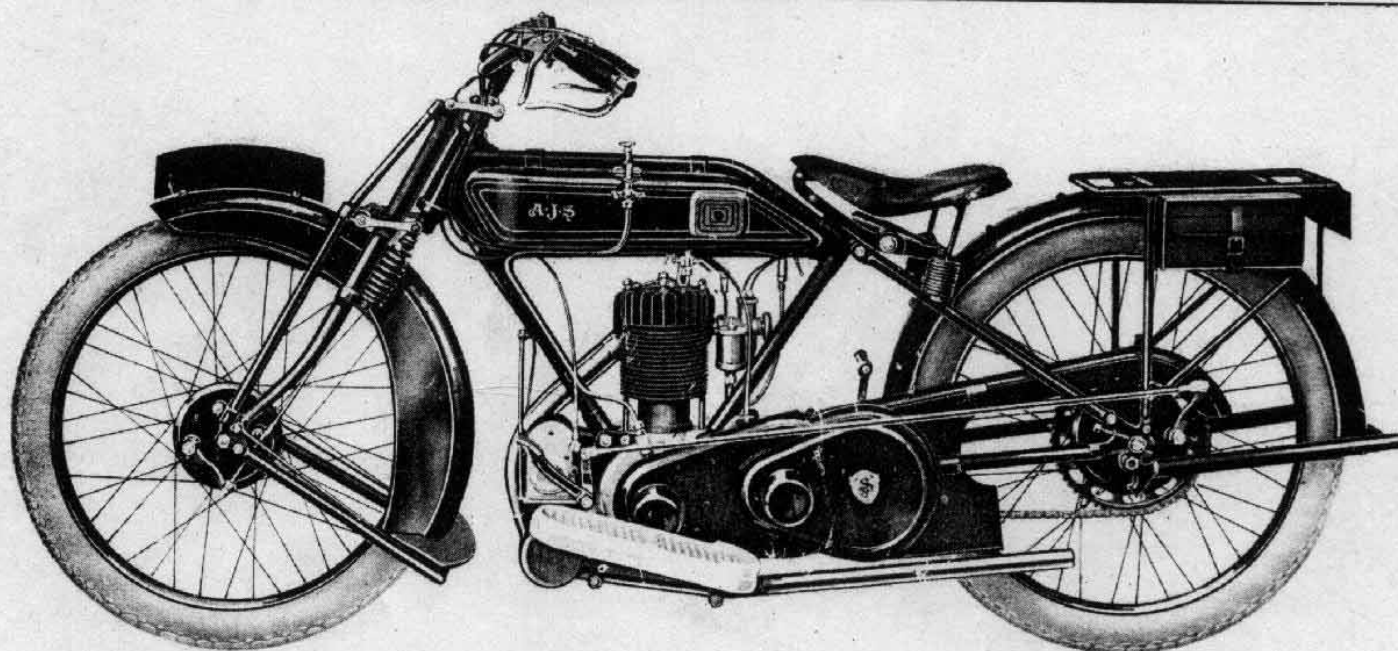
SIDECAR.

Suspension	Laminated Cee Leaf Springs, back and front.
Tyre	700 × 80 m/m Heavy Dunlop Non-Skid.
Mudguard	Fitted with side shield completely protecting the passenger against mud and dirt.
Colour	Our standard colour is Black, from which no deviation can be made.

PRICE

Extra for "Magdyno" Lighting Set
Extra for Spare Wheel and Tyre -

(We reserve the right to modify or deviate from the above Specification without notice).



The A.J.S. 2 1/2 h.p. Touring Model B.

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

SPECIFICATION.

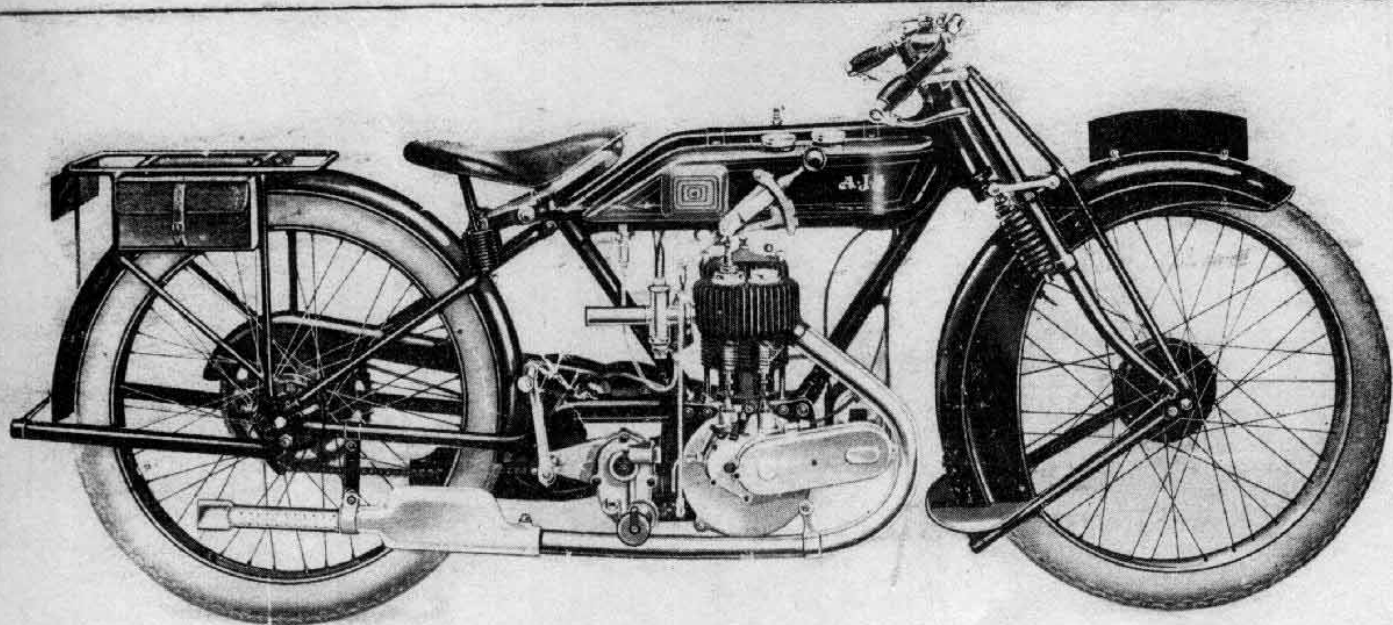
Engine	Single Cylinder (74 x 81 m.m. Bore and Stroke, 349 c.c. capacity), fitted with Detachable Head, Aluminium Piston, Roller Bearing to Big End of Connecting Rod. Large Mechanically Operated Valves. Adjustable Valve Tappets. Efficient Cooling.	Mudguards	Improved Design, affording excellent protection.
Carburettor	A.M.A.C. Two-lever.	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.
Frame	Scientifically Constructed. Lightness with Strength.	Forks	Made by the A.J.S. under Drew's Patent Nos. 819 A.D. 1906 and 20040 A.D. 1913, fitted with Shock Absorbers, and all links adjustable for taking up side play.
Tank	Improved Design. 1 1/2 gal. Petrol. 1 qt. Oil.	Handlebars	Touring Pattern.
Lubrication	Semi-automatic Hand Pump.	Footboards	"Protected" Design of Solid Rubber.
Ignition	"Lucas" Magneto. Handlebar Controlled.	Stands	Strong "Kick-up" Type fitted to Front and Rear Wheels.
Chains	"Hans Renold" 1/4 in. Pitch x 5/16 in. wide. A Shock Absorber is fitted to the Engine Shaft.	Carrier	Built of Steel Tubing, with Welded Flush Joints.
Chain Guards	Semi-enclosed Type, giving easy access to the Transmission.	Tool Cases	Two Pannier Bags, with Full Kit of Tools.
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.	Starting	Improved Design Foot Starter fitted with Rubber Covered Pedal, gives very easy starting.
Clutch	Hand-Controlled, with Cork Inserts.	Saddle	Brooks' B150 Special.
Wheels	Rear A.J.S. Patent Quick Detachable.	Finish	Finest Black Enamel, Four Coats on our Special Rust Preventive Process, including the Handle-bars, only a few parts are Nickel-plated.
Tyres	650 x 65 m.m. Hutchinson Heavy Rubber Studded.	Measurements	Wheel Base 4 ft. 5 1/2 inches. Height of Saddle 28 inches. Ground Clearance 5 inches.
		Weight	Approx. 214 lbs.

PRICE

Extra for Electric Lighting Set

(We reserve the right to modify or deviate from the above Specification without notice).

Note.—THE BROOKS' CANTILEVER SADDLE CAN BE FITTED TO THE ABOVE MODEL,
AT AN EXTRA CHARGE.



The A.J.S. 2 $\frac{1}{4}$ h.p. Sporting, Model B1.

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

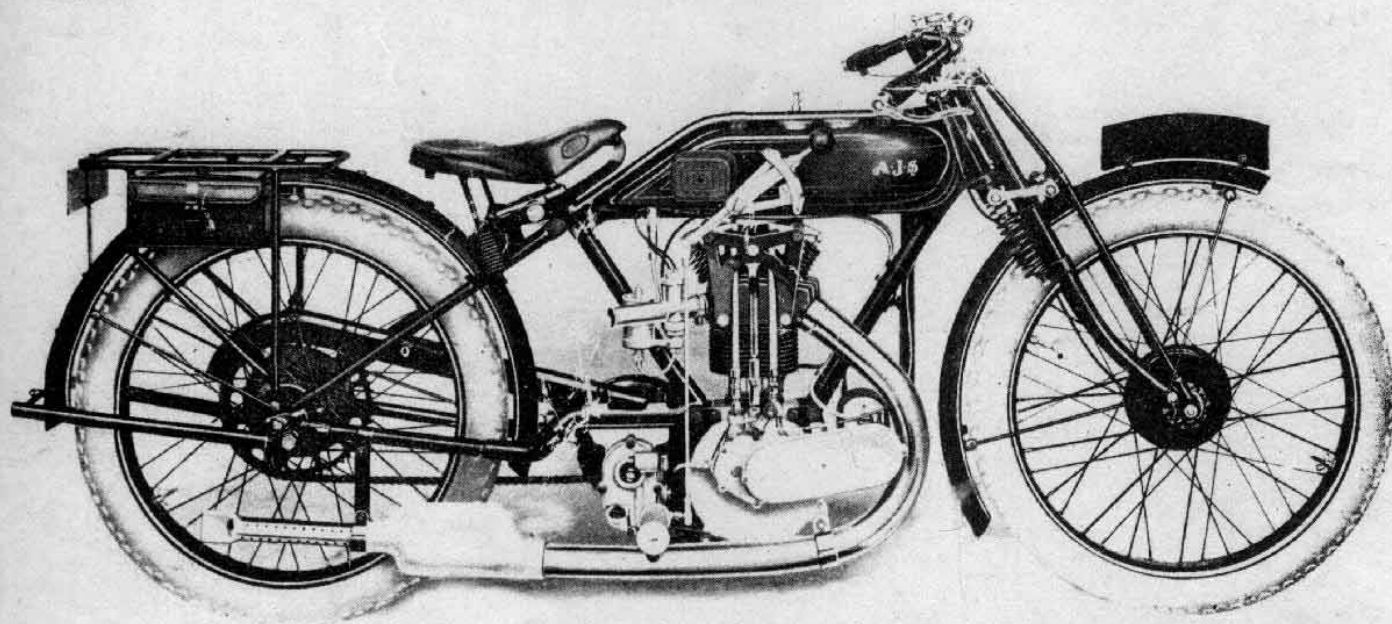
The general Specification of this Model as regards equipment is the same as Model B on Page 4.

This Sporting Model has specially tuned Engine, Large Diameter Exhaust Pipe, 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 Oct. 28, 1921, and lapped Brooklands at a speed of 62.47 miles per hour (flying start) and 61 miles per hour (standing start).

PRICE

Extra for Electric Lighting Set



The A.J.S. 2 $\frac{1}{4}$ h.p. Overhead Valve, T.T. Model B3.

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

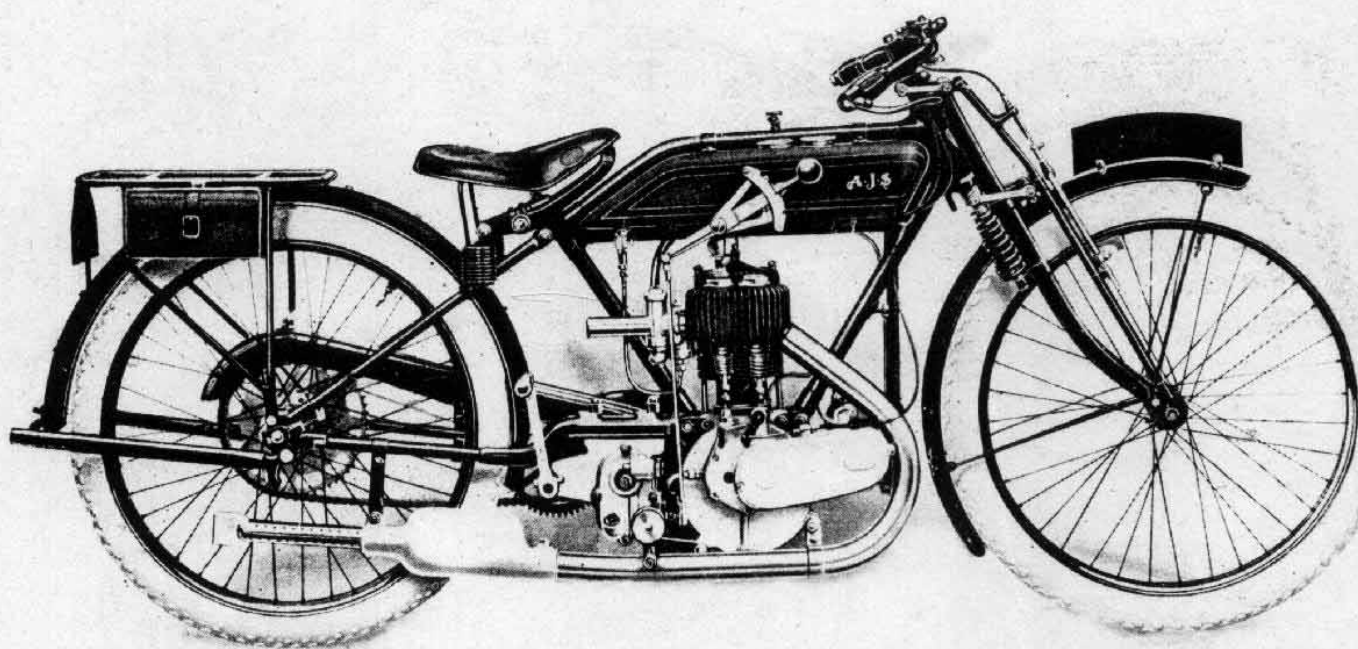
The general Specification of this Model as regards equipment is the same as Model B1 other than the Engine, which is fitted with Overhead Valves, Close Ratio Gear Box, giving 5.52, 6.78, and 10.3 to 1, with a 21 Tooth Sprocket, Racing Type Mudguards and Chain Cases, and no Foot-Starter. SPEED APPROXIMATELY 70 M.P.H.

PRICE

Extra for Electric Lighting Set

Note.—The above Model can also be supplied without rear carrier, and with special high compression piston for sprint work.

(We reserve the right to modify or deviate from the Specification without notice).



The A.J.S. 2 1/2 h.p. Sporting Model B 5.

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

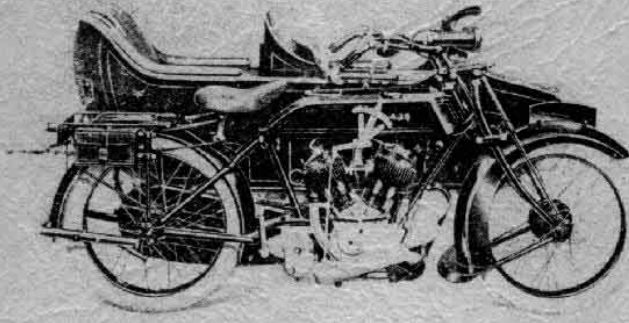
SPECIFICATION.

Engine	A.J.S. Design and Manufacture (74 x 81 m.m. Bore and Stroke, 349 c.c. capacity) fitted with Detachable Head. Aluminium Piston. Roller Bearing to Big End of Connecting Rod. Large Mechanically Operated Valves. Adjustable Valve Tappets. Efficient Cooling. Fitted with Large Diameter Exhaust Pipe and Aluminium Expansion Chamber.	Wheels	26 in. x 2 1/2 in. Flat Base Rims, fitted with Large Diameter Wide Hubs.
Carburettor	A.M.A.C. Two Lever.	Tyres	26 in. x 2 1/2 in. Hutchinson Heavy Rubber Studded
Frame	Scientifically Constructed. Lightness with Strength.	Brakes	Rear Brake A.J.S. Internal Expanding Type. Front Brake, Bowden Pull-up Pattern.
Tank	Improved Design. Fitted with Large Petrol and Oil Caps. 1 1/2 gal. Petrol. 1 qt. Oil.	Forks	Made by the A.J.S. under Drew's Patent Nos. 819 A.D. 1906 and 20050 A.D. 1913, fitted with Shock Absorbers, and all links adjustable for taking up side play.
Lubrication	Semi-Automatic Hand Pump.	Handlebars	Semi-T.T. Racing Type.
Ignition	Lucas Magneto. Handlebar controlled.	Footrests	Adjustable, allowing the rider to procure the most suitable riding position.
Chains	Best Quality 1/2 in. Pitch x 5/16 in. wide. A Shock Absorber is fitted to the Engine Shaft.	Carrier	Built of Steel Tubing, with Welded Flush Joints.
Chain Guards	The top half only of the Chain is covered, giving easy access to the Sprockets and Transmission.	Tool Cases	Two Pannier Bags, with Full Kit of Tools.
Gear Box	A.J.S. Countershaft Three-Speed Gear, fitted throughout with Ball Bearings. Operation by our Patent Gate Change Lever. Ratios 5:5, 9:3 and 14 to 1.	Starting	Improved Design Foot-Starter. Gives very easy starting.
Clutch	Hand-Controlled with Cork Inserts.	Finish	Black Enamel—only a few parts are Nickel-plated.
		Measurements	Wheel Base, 4 ft. 5 1/2 inches. Height of Saddle from ground, 28 inches Ground Clearance, 5 inches.

PRICE

Extra for Electric Lighting Set

We reserve the right to modify or deviate from the above Specification without notice.



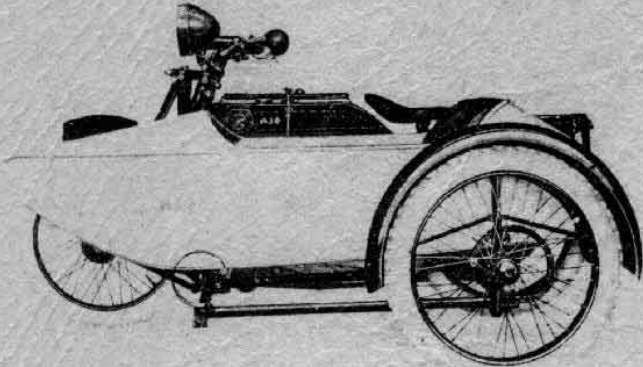
The A.J.S. 7 h.p. Two-Seater Sidecar Combination.

THE A.J.S. Two-Seater Combination has met with great success, and most effectively solves the problem of accommodating a second passenger. The extra seat is situated in front, and it will be found to afford ample room. The back rest is formed by the front portion of the dash of the rear seat, which is shaped and padded. The fitting of the extra seat has been accomplished without sacrifice of appearance, the overall length of the body being but 6 ft. 6 in. Two wind screens and two aprons are fitted.

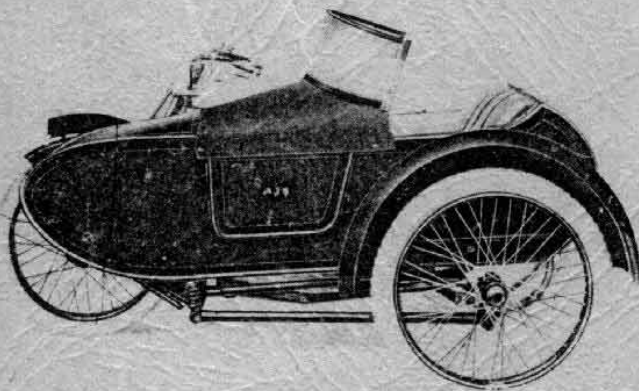
This Two-Seater Sidecar can be fitted in place of the single-seater on the 7 h.p. Model D at an extra £10 and on the 7 h.p. Model D1 at an extra £12. Extra for Hood. Hood Side Curtains complete. The two-seater chassis is fitted with detachable wheel.

The A.J.S. Sports Sidecar.

THIS illustration shows our Aluminium Sports Sidecar attached to the 7 h.p. machine. It will be readily agreed that the appearance of this outfit is most attractive and "racy." The body is coach built, frame of best quality timber and covered with aluminium panels with special "frosted" finish. It is roomy and comfortable, fitted with spring back, etc., and upholstered in fine quality material. A large locker is situated at the rear. The chassis is of great strength with duplex axle tubes. Cee spring suspension is provided at front and rear. The hub is our own design, of large dimensions, with a wheel spindle $\frac{1}{2}$ in. tapering to $\frac{3}{8}$ in. A mudguard $5\frac{1}{2}$ in. wide is fitted.



Aluminium Sports Sidecar, as illustrated.
Fitted to Model D 7 h.p. machine. PRICE
" Model D1 7 h.p. machine. PRICE



The A.J.S. Lightweight Touring Sidecar.

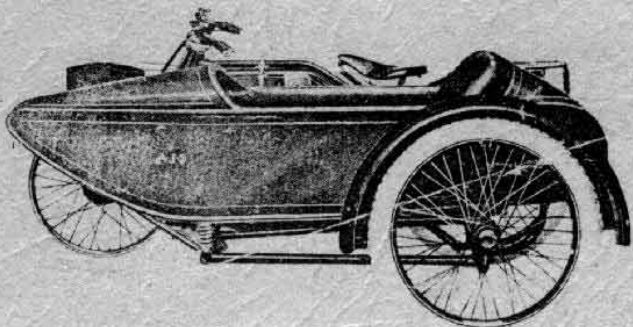
FOR several seasons now the A.J.S. Lightweight Sidecar has been listed for use in conjunction with our 21 h.p. motor cycle, and has given the greatest satisfaction. For next season detail improvements have been incorporated, making this undoubtedly the most attractive lightweight touring body on the market. The rear is now fitted with a spacious locker, the back of the seat being hinged to give access to this. The body is coach built, covered with steel panelling, and has been designed with every allowance for the passenger's comfort. Upholstery is of best quality, and the suspension is by cee springs at the rear and by coil at the front.

Lightweight Touring Sidecar, as illustrated.
Fitted to Model B5 21 h.p. machine. PRICE
" Models B and B1 21 h.p. machines. PRICE
" Model B3 T.T. machine. PRICE

The A.J.S. Sports Sidecar

THIS Sidecar is similar in design and equipment to that shown above fitted to our 7 h.p. machine. Instead, however, of being in aluminium, the body is of steel panels, coach painted and finished black. The chassis upon which this is mounted is the same as that employed with our Lightweight Touring Sidecar. If desired, the "frosted" aluminium body can be fitted to this lightweight chassis.

Screens for Aluminium or painted Sports Sidecar.



Lightweight Sports Sidecar, as illustrated.
Fitted to Model B5 21 h.p. machine. PRICE
" Model B and B1 21 h.p. machines. PRICE
" Model B3 T.T. machine. PRICE

Some Outstanding Performances
made by A.J.S. Motor Cycles in Trials and Competitions during 1923.

Speed Events.

JUNIOR TOURIST TROPHY RACE

2 $\frac{3}{4}$ h.p. A.J.S. SECOND AND SIXTH

FASTEST LAP ever made in the Junior T.T. Race was established by Mr. J. H. Simpson on his 2 $\frac{3}{4}$ h.p. A.J.S., who covered the 37 $\frac{1}{2}$ miles from a Standing Start in 38 minutes, at the remarkable Average Speed of 59.59 miles per hour.

SCOTTISH SPEED CHAMPIONSHIP

2 $\frac{3}{4}$ h.p. A.J.S. FIRST AND THIRD

THE TEMPLE "50" ROAD RACE

2 $\frac{3}{4}$ h.p. A.J.S. FIRST AND THIRD

FRENCH GRAND PRIX RACE

2 $\frac{3}{4}$ h.p. A.J.S. FIRST

Distance, 250 miles. Time, 4 hrs. 1 min. 29 $\frac{3}{5}$ secs.
Average Speed, 56.7 Miles per hour.

ITALIAN GRAND PRIX OF NATIONS

2 $\frac{3}{4}$ h.p. A.J.S. FIRST AND SEVENTH

Distance, 250 miles. Time, 3 hrs. 42 mins. 50 $\frac{2}{5}$ secs.
Average Speed, 67.3 Miles per hour.

Reliability Trials.

SCOTTISH SIX DAYS' TRIALS

The Manufacturers' Team Prize (Sidecars) won by the 7 h.p. A.J.S.

Other Awards gained by A.J.S. Machines in this Trial were:—

3 Silver Cups, 2 Gold Medals, 1 Silver Medal and 1 Bronze Medal

A.C.U. ENGLISH SIX DAYS' TRIALS

FOUR GOLD MEDALS and ONE SILVER MEDAL.

As proof of the wonderful Successes achieved by A.J.S. Motor Cycles during 1923, we append a List of Awards gained from January to end of September.

**274 First Places
143 Second Places
95 Third Places**

**72 Gold Medals
44 Silver Medals
45 Cups & Trophies**

Out of the above total, Private Owners on Standard Machines have secured

**228 First Places
116 Second Places
71 Third Places**

**48 Gold Medals
29 Silver Medals
27 Cups & Trophies**

The above list has been compiled from those results of which we have actual records, but must not be taken as representing all the awards gained by the A.J.S. during 1923 season. There must be many more that have not come to our knowledge, but the overwhelming successes by Private owners is convincing proof that the A.J.S. is unbeatable for Power, Speed, Reliability and Efficiency.