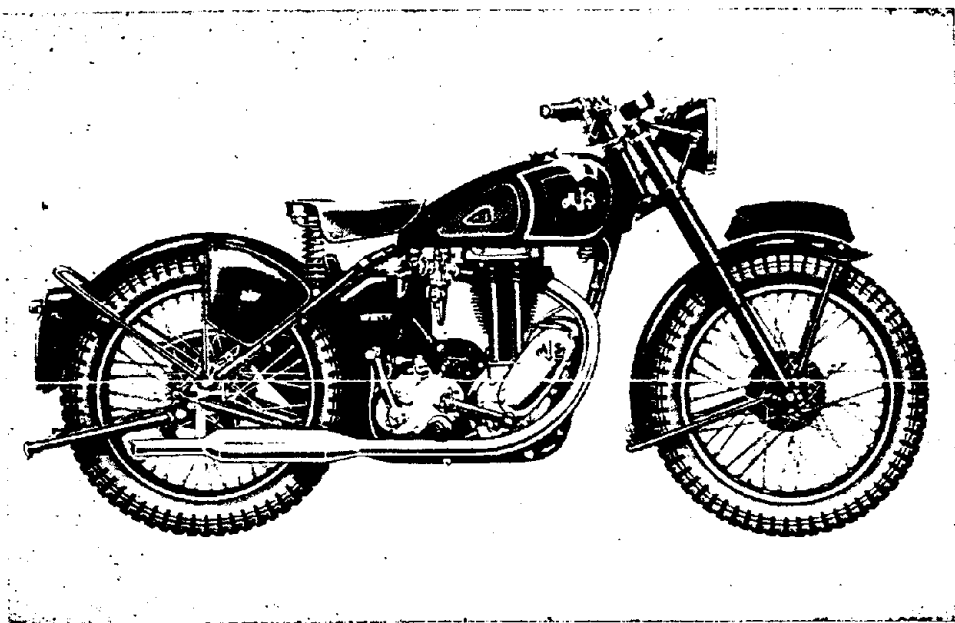


# 1947

# A.J.S.

# MODELS



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

MODEL 16M 350 c.c. O.H.V. and MODEL 18 500 c.c. O.H.V.

**ENGINE**—Designed and manufactured throughout in the A. J. S. Factory to exceptional standards of accuracy, and noted for their mechanical silence, all engines incorporate the following features:

Exceptionally rigid flywheel assembly comprising individually balanced flywheels, two-piece crankpin, triple row Duralumin caged big end bearing, "Loex" piston, heavily finned single port cylinder head and cylinder, downdraught inlet port, chromium plated valve stems and all moving parts totally enclosed and positively lubricated.

**MODEL 16M**—Bore 69 m.m. Stroke 93 m.m. Capacity 347 c.c.

**MODEL 18**—Bore 82.5 m.m. Stroke 93 m.m. Capacity 498 c.c.

**LUBRICATION**—Dry sump system with separate oil tank incorporating detachable fabric oil filter. Pressure feed to all moving parts by new large capacity duplex reciprocating plunger pump.

**CARBURETOR**—"Amal" semi automatic with twist grip throttle control and separate air lever.

**GEAR BOX**—Heavyweight 4-speed pivot mounted type with enclosed kick-starter and positive stop adjustable foot gear-change and handlebar clutch control.

**TRANSMISSION**—Chain throughout. Primary chain enclosed in oil bath case and rear chain protected by deep section guard of new design. Cam type engine shaft shock absorber with special lubricating channel.

**STANDS**—Tubular front, spring up rear and toe operated central prop stand.

**TANKS**—Welded petrol tank of 3 gallon capacity with two filter type push-on taps. Oil tank of 3 pint capacity of pressed steel welded construction.

**FRAME**—Duplex cradle design of brazed construction. Straight front down tube and forged rear fork ends. Pillion footrest lugs on rear chainstays.

**HANDLEBARS**—Semi-sports, fully adjustable.

**FORKS**—Telescopic hydraulically damped "Teledraulic's" of A. J. S. patented design and manufacture.

**BRAKES**—Quickly adjustable internal expanding of large diameter on both wheels.

**SADDLE**—Large spring seat with semi-roll back and three-point mounting.

**TYRES**—26 in. by 3.25 in. Dunlop cord on both wheels.

**MUDGUARDS**—Special deep section. Main portion of rear guard quickly detachable to facilitate wheel removal.

**ELECTRICAL EQUIPMENT**—Separate dynamo driven by chain enclosed in oil bath case with constant voltage control. Large diameter headlamp and handlebar dipping switch. Readily accessible battery centrally mounted below saddle. Electric horn mounted in front of engine. Ignition by magneto mounted at rear of cylinder and driven by chain running in oil-tight cast aluminum chaincase.

**FINISH**—Wheel rims, handlebars, filler caps, etc., chromium plated. All enamelled parts three thicknesses of best quality black stove enamel on Bondarized finish. Petrol tank lined in silver. Cylinder heads and barrels stove enamelled.

**EQUIPMENT**—Complete set of tools, grease gun, large capacity tyre pump and 90 Page Instruction Book.

**DEALERS NAME:**  
Phone Westbury 1038

C. ALDEN ALES, JR. 244 Post Avenue, Westbury, N. Y.