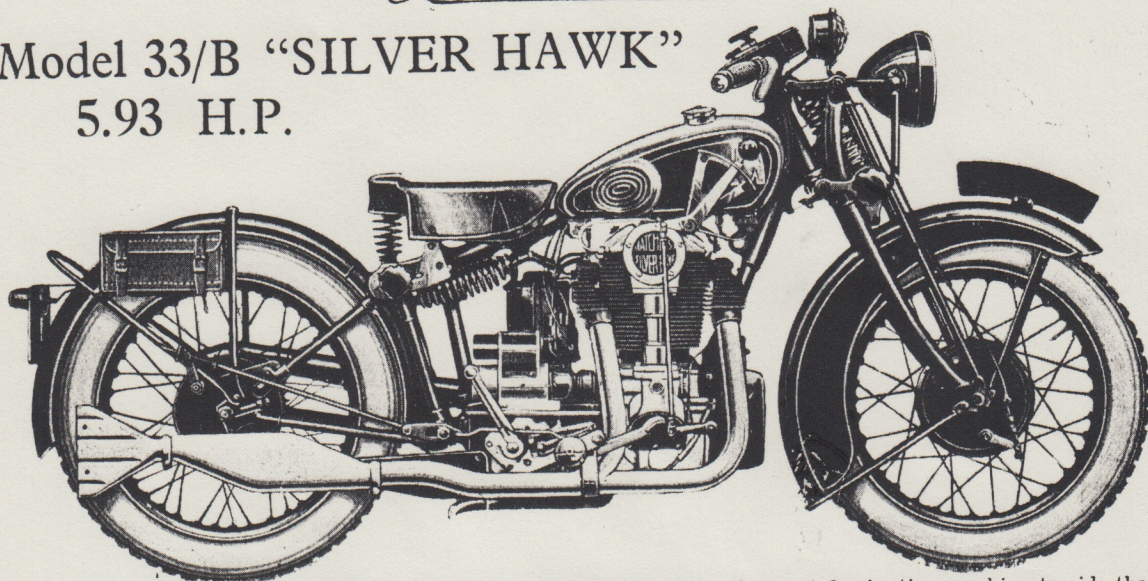


Matchless

IN NAME & REPUTATION

Model 33/B "SILVER HAWK" 5.93 H.P.



This is the famous four-cylinder "MATCHLESS," unquestionably the most fascinating machine to ride that has ever been built. It combines the silence, smoothness and comfort of the most expensive Motor-car with a Super-Sports performance. On top gear alone the machine will run from as low as 6 miles per hour to over 80 miles per hour, while the acceleration given by the four-cylinder overhead camshaft engine in conjunction with the four-speed gear-box must be experienced to be believed. This is the only four-cylinder machine in the world equipped with a Spring Frame.

SPECIFICATION.

ENGINE. "MATCHLESS" 5.93 h.p. **FOUR CYLINDER OVER-HEAD CAMSHAFT ENGINE.** Cylinders arranged in double "V" formation, all cylinders being cast in one block with air spaces between the respective cylinder barrels. Overhead valves operated by overhead camshaft running in oil bath, aluminium pistons with full floating gudgeon pins, roller big end bearings. Two-throw crankshaft supported on three bearings, centre bearing being of the roller type, while at each end of the crankshaft is a phosphor-bronze plain bearing fed with oil under pressure. Single piece **DETACHABLE CYLINDER HEAD** carries all valves and can be detached for decarbonising purposes without removing the engine from the frame. This engine is **ABSOLUTELY VIBRATIONLESS** in operation and exceptionally silent, while it can be started by pressure of the hand upon the kickstarter. Bore, 50.8 m.m.; stroke, 73 m.m.; capacity, 593 c.c.

LUBRICATION. "MATCHLESS" **DRY SUMP SYSTEM**, with pressure feed to all working parts, including overhead camshaft and camshaft drive. Surplus oil is returned to the oil tank through a fabric oil filter, which entirely removes all impurities. Cycle parts lubricated by grease gun.

IGNITION. Lucas dynamo-coil ignition and lighting unit with distributor incorporated, mounted at rear of engine and shaft, driven through flexible rubber coupling. Ignition tell-tale light and switch on instrument panel. This ignition system ensures exceptionally easy starting and remarkable slow running. Battery carried under saddle.

EXHAUST SYSTEM. Heavily ribbed cast manifolds front and rear of cylinder head conduct exhaust gases from front and rear cylinders respectively to two downward-sweeping exhaust pipes of large diameter, which merge into one long pipe running to the rear of the machine, where there is a large detachable silencer with detachable fishtail. Exhaust pipes, silencer, and fishtail are chromium-plated.

GEAR-BOX. FOUR-SPEED GEAR-BOX with dry-plate clutch and kickstarter. Positive stop foot control extra.

TRANSMISSION. Transmission from engine to gearbox by means of **DUPLEX ROLLER CHAIN** running in a cast aluminium **OIL-BATH CHAINCASE** and fitted with patent **AUTOMATIC TENSIONING DEVICE**, entirely removing any necessity for adjustment of front chain. This drive is dead silent and almost everlasting in use. Oil filler and level plugs provided in chaincase. Transmission from gear-box to rear wheel by heavy roller chain with effective guard.

CARBURETTOR. Two-lever semi-automatic carburettor.

FRAME. "MATCHLESS" patent **SPRING FRAME**, providing complete insulation from road shocks. Pivot points are fitted

with indestructible "silentbloc" rubber bearings, which cannot wear and require no lubrication. Fitted with instantly adjustable shock absorbers, which can be adjusted while the machine is in motion.

TANKS. Bulbous saddle tank for petrol; pressed steel, all-welded throughout; capacity, 2½ gallons. Separate oil tank, capacity 4 pints.

SPRING FORKS. Extra heavy "MATCHLESS" design, with instantly adjustable shock absorbers.

STEERING DAMPER. Extra large adjustable "MATCHLESS" steering damper provided.

WHEELS. Built with heavy gauge butted spokes and carried on taper roller bearing hubs.

TYRES. 26in x 3.25in. "Firestone" Cord Tyres. 27in. x 4in. optional at extra charge.

BRAKES. 8in. internal expanding brakes on both wheels, with special **INTERCONNECTING GEAR** so arranged that pedal applies both brakes. Hand lever controls front brake only. Finger adjustment to all controls.

SADDLE. Large Lycett "Aero" spring seat, with roll back.

STANDS. Spring-up **CENTRE PROP STAND**, with detachable extension pieces. Separate stand to front wheel.

MUDGUARDS. Large "D" section mudguards to both wheels.

REAR MUDGUARD QUICKLY DETACHABLE for tyre repairs.

LUGGAGE CARRIER. A detachable luggage carrier can be supplied, if desired, at an extra charge of

FINISH. Petrol tank chromium-plated with black side panels with gold lines and chromium-plated "M" on each side. All bright parts heavily chromium-plated. Frame, mudguards, handlebars, etc., stove-enamelled black. Rustless black gun finish for all small parts not enamelled or chromium-plated.

EQUIPMENT. This machine is supplied only with complete "DE LUXE" equipment, including electric lighting, electric horn, and gear-box drive speedometer. A handsome instrument panel mounted above the handlebars carries the lighting and charging switch, ignition switch, ammeter, speedometer dial, steering damper knob, oil indicator, and ignition tell-tale. The speedometer and ammeter are provided with indirect illumination for night riding, controlled by a small button switch. Supplied complete with full kit of tools, tyre pump, and grease gun.

"SILVER HAWK" (Model 33/B), with complete "DE LUXE" equipment.

Price Code Word YAFIX

Delivery free to any part of the United Kingdom or Northern Ireland.
Sold subject to Guarantee on inside Back Cover