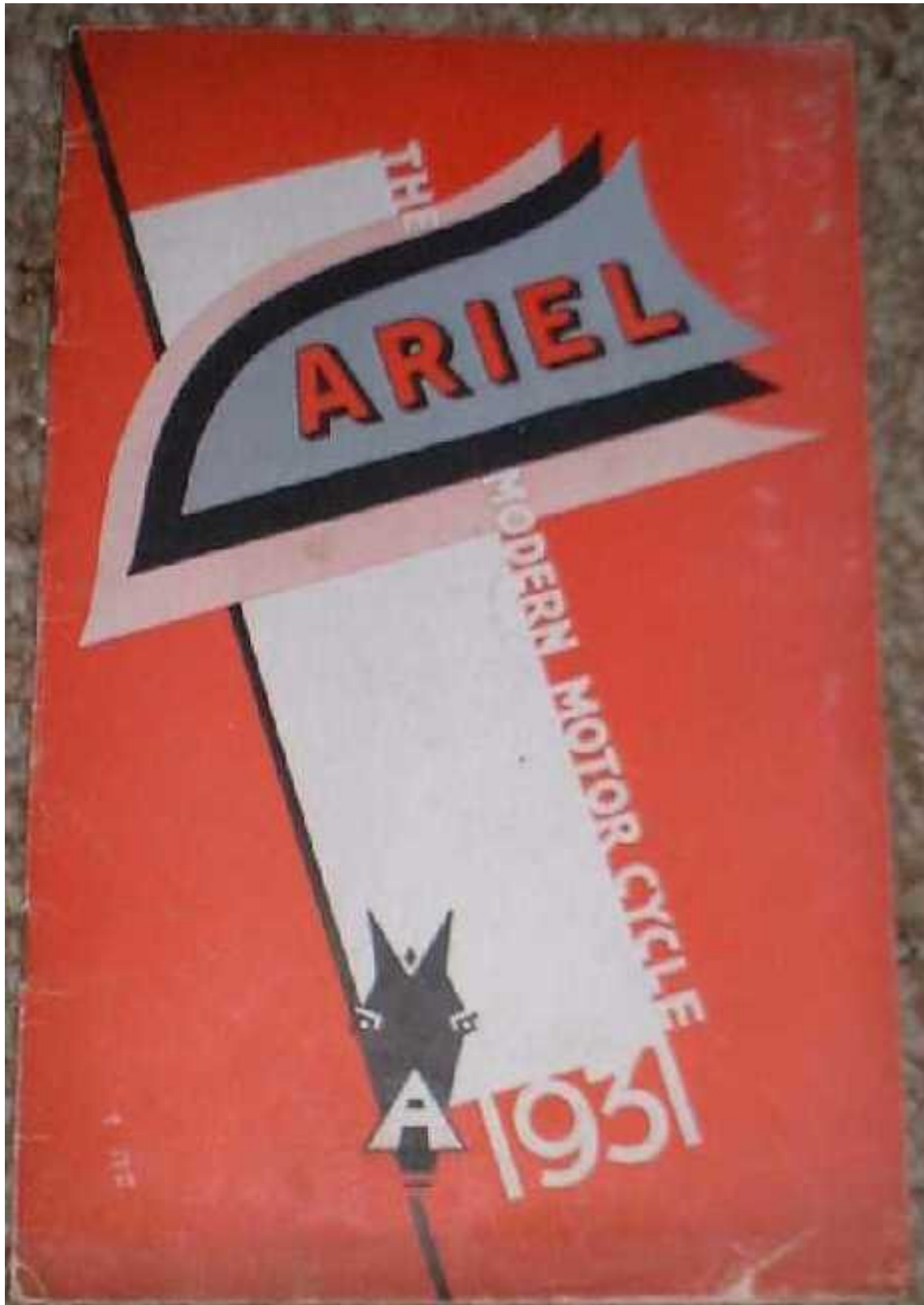


1931 Brochure scanned from ebay complete with covers and sidecar pages.  
Better images of the bike images are in the "1931brochure.pdf" file.



550 cc side valve and 500 cc OHV sloping engines.

### 550 cc. S.V. SLOPING ENGINE MODEL 32-11



**A** £52-0-0 £5-10-0 **A**

**Engine**  
550 cc. S.V. sloping engine, 22 x 27 mm bore and stroke, 1000 rev./min. max. speed, 18.5 h.p. max. power at 5000 rev./min. Compression ratio 12.5 to 1. Valve gear overhead.

**Chassis**  
250 mm x 100 mm diamond frame, 170 mm wheelbase. Front fork telescopic, 100 mm travel. Rear fork telescopic, 100 mm travel. Front wheel 18" x 1.75" tyre, rear wheel 18" x 2.125" tyre. Front brake 160 mm drum, rear brake 160 mm drum. Clutch, gearbox, chain drive, 42 x 16 sprockets. Final drive 14 x 28 sprockets. Gear ratios: 1st 2.8, 2nd 2.2, 3rd 1.8, 4th 1.5, 5th 1.3, 6th 1.1.

**Weight**  
Dry weight 115 lb. Full weight 145 lb. Fuel tank capacity 12.5 gallons.

**Equipment**  
Headlight, horn, bell, mudguards, fenders, chain drive, 42 x 16 sprockets, 14 x 28 sprockets, 100 mm front wheel, 100 mm rear wheel, 100 mm front fork, 100 mm rear fork, 100 mm front brake, 100 mm rear brake, 100 mm clutch, 100 mm gearbox, 100 mm chain drive, 100 mm final drive.

**ARIEL**

### 500 cc. O.H.V. SLOPING ENGINE MODEL 32-11



**A** £53-0-0 £5-10-0 **A**

**Engine**  
500 cc. O.H.V. sloping engine, 22 x 27 mm bore and stroke, 1000 rev./min. max. speed, 18.5 h.p. max. power at 5000 rev./min. Compression ratio 12.5 to 1. Valve gear overhead.

**Chassis**  
250 mm x 100 mm diamond frame, 170 mm wheelbase. Front fork telescopic, 100 mm travel. Rear fork telescopic, 100 mm travel. Front wheel 18" x 1.75" tyre, rear wheel 18" x 2.125" tyre. Front brake 160 mm drum, rear brake 160 mm drum. Clutch, gearbox, chain drive, 42 x 16 sprockets. Final drive 14 x 28 sprockets. Gear ratios: 1st 2.8, 2nd 2.2, 3rd 1.8, 4th 1.5, 5th 1.3, 6th 1.1.

**Weight**  
Dry weight 115 lb. Full weight 145 lb. Fuel tank capacity 12.5 gallons.

**Equipment**  
Headlight, horn, bell, mudguards, fenders, chain drive, 42 x 16 sprockets, 14 x 28 sprockets, 100 mm front wheel, 100 mm rear wheel, 100 mm front fork, 100 mm rear fork, 100 mm front brake, 100 mm rear brake, 100 mm clutch, 100 mm gearbox, 100 mm chain drive, 100 mm final drive.

**ARIEL**

250 cc side valve and OHV inclined engines. Note difference in angle between sloping engines (previous page) and inclined engines.



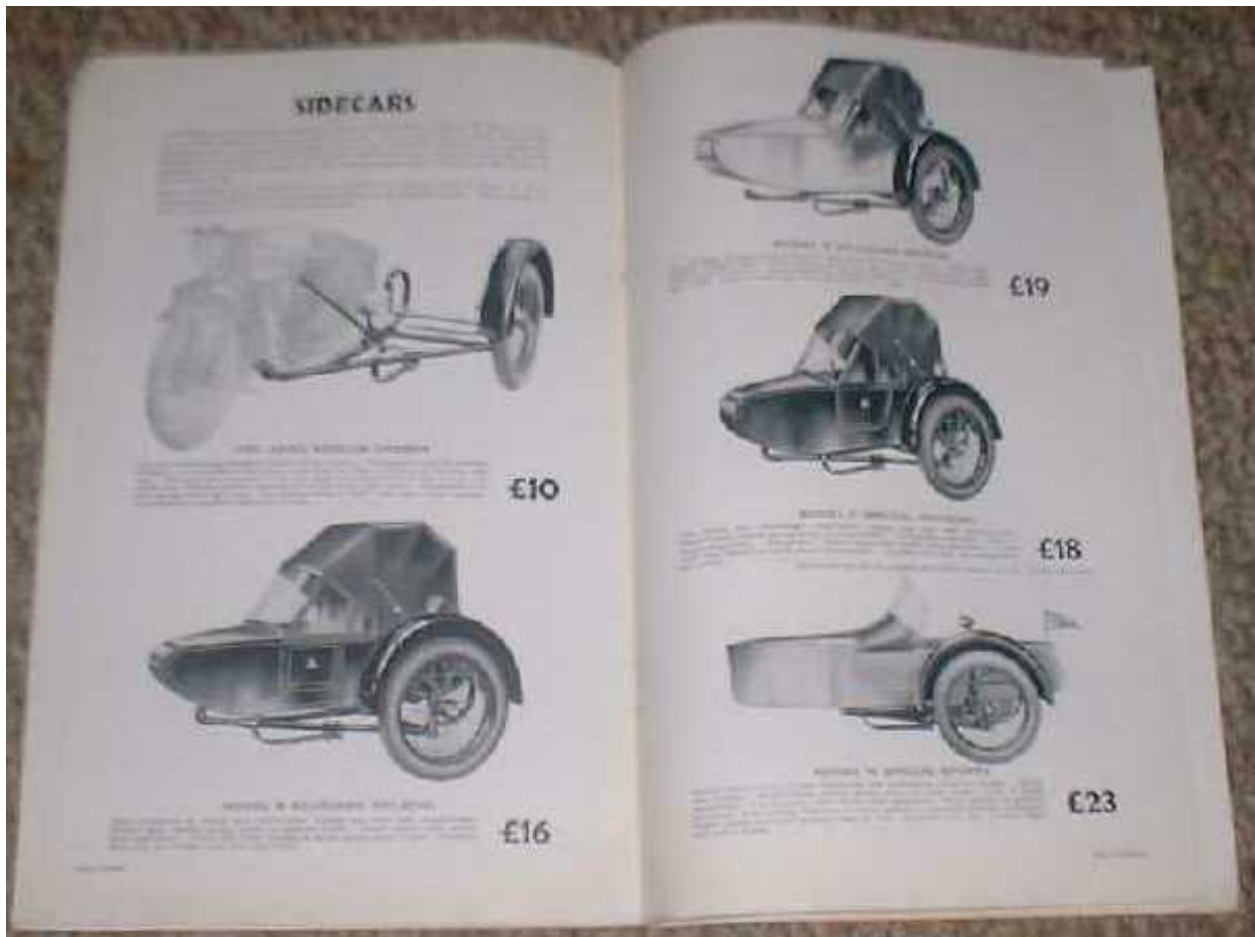
500 cc 4 valve sloping engine and specs page.



500 cc OHC Square Four pages.



Ariel sidecar pages.



Special features pages.



1931 brochure back cover.

