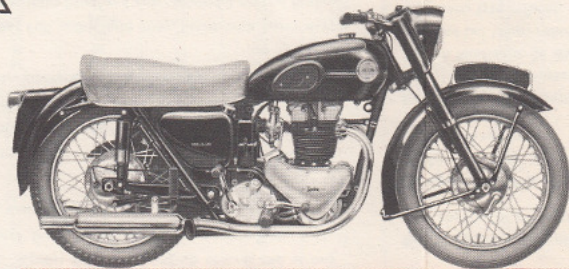


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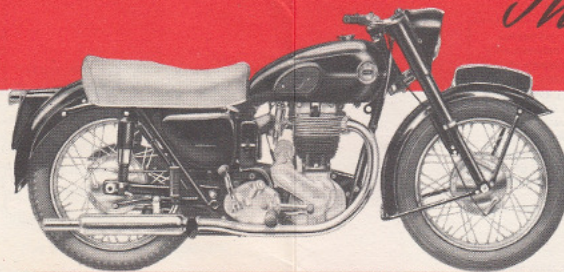
The Modern Motorcycle



MODEL FH 650 c.c. 'HUNTMASTER' TWIN

Engine: Cast iron cylinders and heads; vachrome top piston rings; forged steel crankshaft mounted on heavy duty roller and white metal lined bearings; light alloy connecting rods with lead-bronze liners; gear driven camshaft; push rod operated overhead valves; mechanical crankcase breather; magneto with automatic advance; Amal 'Monobloc' carburetter with air cleaner.

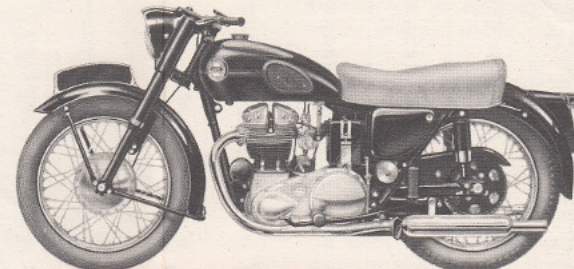
See also General Specification.



MODEL VH 500 c.c. 'RED HUNTER' SINGLE

Engine: Cast iron cylinder and aluminium alloy cylinder head with valve seat inserts; vachrome top piston ring; crankshaft mounted on two heavy duty roller bearings and one ball bearing; double row roller big end; manual ignition control; gear driven camshaft; push rod operated overhead valves; chain driven magdyno; Amal 'Monobloc' carburetter with air cleaner.

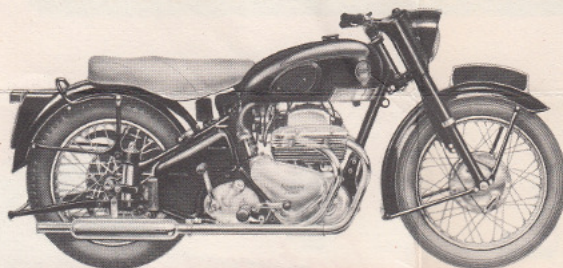
See also General Specification.



MODEL KH 500 c.c. 'FIELDMASTER' TWIN

Engine: Cast iron cylinders and aluminium alloy cylinder heads with valve seat inserts; vachrome top piston rings; forged steel crankshaft mounted on heavy duty roller and white metal lined bearings; light alloy connecting rods with white metal liners; twin camshafts driven by 'Duplex' roller chain; push rod operated overhead valves; magneto with automatic advance; Amal 'Monobloc' carburetter with air cleaner.

See also General Specification.



MODEL 4G 1,000 c.c. 'SQUARE FOUR'

Engine: Four cylinder O.H.V.; aluminium alloy cylinders with wear-resisting sleeves; aluminium alloy cylinder heads with valve seat inserts; twin crankshafts mounted on heavy duty roller and white metal lined bearings, coupled by gears; light alloy connecting rods with white metal liners; S.U. carburetter with air cleaner; Lucas coil ignition, incorporating 70 watt voltage controlled dynamo; distributor and automatic-advance; 20 amp. battery.

Frame: Full cradle type; lugs for sidcar attachment either side; Ariel patented plunger rear suspension; thief-proof steering lock. Stands: forged steel girder spring-up rear and strong tubular front, also prop stand.

Front forks: Telescopic with hydraulic damping; attractive headlamp hood and fork cover with built-in illuminated instrument panel containing speedometer, ammeter and lighting switch.

Hubs: Full width light alloy front with central brake and powerful 8 inch diameter rear brake, with non-fade linings; fulcrum adjustment; heavy duty ball bearings throughout; quickly detachable rear wheel.

Transmission: Four-speed gearbox, foot control; three-plate dry clutch; engine shaft shock absorber; polished aluminium oilbath primary chain-case; rear chain fully protected and lubricated.

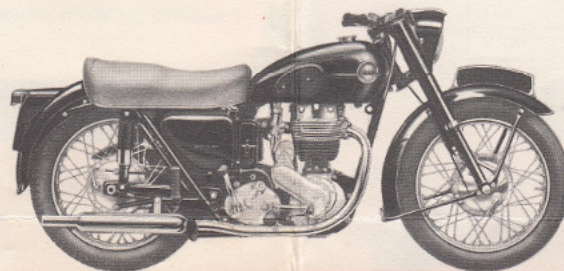
Handlebars and controls: Adjustable; chromium plated; $\frac{3}{4}$ inch diameter.

Petrol tank: Rubber mounted; enamelled and lined, with chromium plated motifs; quick action filler cap.

Mudguards: Wide 'D' section; rear guard can be lifted for easy wheel removal.

Equipment: Ariel design dualseat and pillion footrests; trip speedometer, 120 m.p.h. (180 k.p.h.); 7 $\frac{1}{2}$ inch headlamp; stop and tail lamp; reflector; electric horn; tool box and tools; tyre inflator.

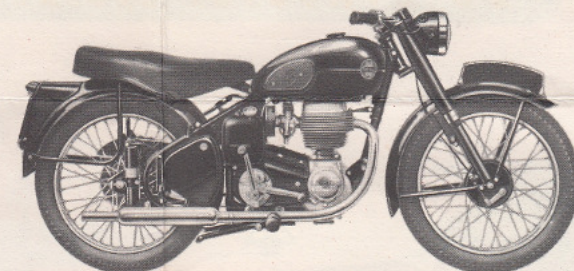
Finish: Superbly finished in best quality Deep Claret enamel.



MODEL NH 350 c.c. 'RED HUNTER' SINGLE

Engine: Cast iron cylinder and aluminium alloy cylinder head with valve seat inserts; vachrome top piston ring; crankshaft mounted on three heavy duty ball bearings; double row roller big end; manual ignition control; gear driven camshaft; push rod operated overhead valves; chain driven magdyno; Amal 'Monobloc' carburetter with air cleaner.

See also General Specification.



MODEL LH 200 c.c. 'COLT'

Engine: Cast iron cylinder and aluminium alloy cylinder head with valve seat inserts; crankshaft mounted on heavy duty ball bearing and plain bronze bearing; roller big end bearing; gear driven camshaft; push rod operated overhead valves; 48 watt A.C. generator mounted on drive side; contact breaker on timing side with automatic ignition control; Amal 'Monobloc' carburetter with air cleaner.

Frame: Robust tubular construction, fully triangulated, with all welded joints; plunger rear suspension; easy-lift spring-up central stand.

Front forks: Telescopic with hydraulic control.

Brakes: Powerful with non-fade linings.

Transmission: Four-speed gearbox, foot control; two-plate clutch with built-in shock absorber; primary chain enclosed in oilbath; rear chain protected.

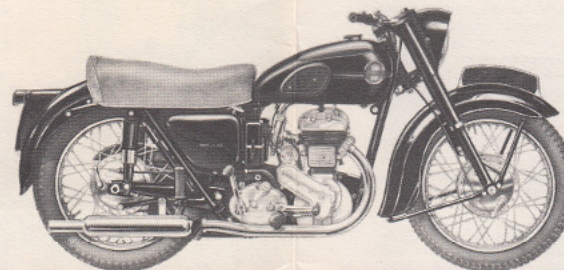
Handlebars and controls: Adjustable; chromium plated; $\frac{3}{4}$ inch diameter.

Petrol tank: Enamelled and lined, with chromium plated panels; quick release filler cap.

Mudguards: Deep half-round section; rear stay quickly detachable for easy wheel removal.

Equipment: Ariel design dualseat and pillion footrests; speedometer, 70 m.p.h. (120 k.p.h.); rectifier, coil and emergency switch for direct starting; 6 inch headlamp; 9 amp. battery; stop and tail lamp; reflector; electric horn; tool box and tools; tyre inflator.

Finish: Superbly finished in best quality Deep Brunswick Green enamel.



MODEL VB 600 c.c. SIDE VALVE

Engine: Cast iron cylinder and aluminium alloy cylinder head; vachrome top piston ring; crankshaft mounted on two heavy duty roller bearings and one ball bearing; double row roller big end; manual ignition control; gear driven camshaft; chain driven magdyno; Amal 'Monobloc' carburetter with air cleaner.

See also General Specification.

GENERAL SPECIFICATION

MODELS FH, KH, VH, NH and VB

Frame: Duplex cradle type, fully triangulated, ensuring great rigidity; swinging arm rear suspension; hydraulic damping; rubber bushed pivots; lugs for sidecar attachment either side. Thief-proof steering lock. Stands: Easy-lift spring-up central and strong tubular front; prop stand on models F.H., K.H., V.H. and N.H.

Front forks: Telescopic with hydraulic damping, attractive headlamp hood and fork cover, with built-in illuminated instrument panel containing speedometer, ammeter and lighting switch.

Hubs: Full width light alloy, fitted with heavy duty ball bearings front and rear; powerful central brakes with non-fade linings; fulcrum adjustment; new quickly detachable rear wheel.

Transmission: Four-speed gearbox, foot control; three-plate dry clutch; engine shaft shock absorber; polished aluminium oilbath primary chaincase; rear chain fully protected and lubricated.

Handlebars and controls: adjustable; chromium plated; $\frac{7}{8}$ inch diameter.

Petrol tank: Rubber mounted; enamelled and lined, with chromium plated motifs, quick action filler cap.

Mudguards: Wide 'D' section (valanced front on Model VB); back end of rear guard detachable for easy wheel removal.

Equipment: Ariel design dualseat and pillion foot-rests; trip speedometer, 120 m.p.h. (180 k.p.h.); $7\frac{1}{2}$ inch headlamp; 56 watt dynamo; 12 amp. battery; stop and tail lamp; reflector; electric horn; tool box and tools; tyre inflater.

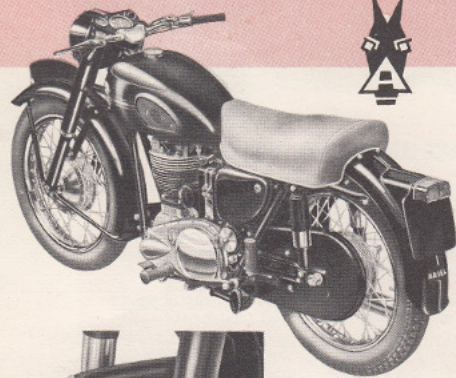
Finish: Superbly finished in best quality Deep Claret enamel.



TECHNICAL INFORMATION

MODEL	4G	FH	KH	VH	NH	LH	VB
TYPE	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	S.V.
Number of Cylinders	4	2	2	1	1	1	1
Bore and Stroke (mm.)	65 x 75	70 x 84	63 x 80	81.8 x 95	72 x 85	60 x 70	86.4 x 102
Bore and Stroke (ins.)	2.56 x 2.95	2.76 x 3.30	2.48 x 3.15	3.22 x 3.74	2.83 x 3.34	2.36 x 2.75	3.4 x 4.01
Cylinder Capacity (c.c.)	997	646	498	497	347	197	598
Cylinder Capacity (cu. ins.)	60.8	39.3	30.4	30.4	21.2	12.18	36.5
Compression Ratio	7.2	6.5	6.8	6.8	7.5	7.5	6
Engine B.H.P.	42	35	28	26	18	10	18
Engine R.P.M.	5,800	5,600	6,200	6,000	5,600	5,600	4,400
Engine Sprocket:							
No. of teeth—Solo	25	14	21	23	19	17	23
" " " Sidecar	22	21	19	19	—	—	19
Solo Gear Ratio—Top	4.36	4.53	5.18	4.74	5.72	7.0	4.74
" " " Third	5.70	5.93	6.78	6.20	7.50	8.5	6.20
" " " Second	7.40	7.71	8.81	8.05	9.72	11.6	8.05
" " " First	11.55	12.01	13.74	12.55	15.15	17.5	12.55
Sidecar Gear Ratio—Top	4.95	5.18	5.72	5.72	—	—	5.72
" " " Third	6.50	6.78	7.50	7.50	—	—	7.50
" " " Second	8.42	8.81	9.72	9.72	—	—	9.72
" " " First	13.10	13.74	15.15	15.15	—	—	15.15
Tyre Size: Dunlop—Front	3.25 x 19	3.25 x 19	3.25 x 19	3.25 x 19	3.25 x 19	3.00 x 19	3.25 x 19
" " " Rear	4.00 x 18	3.50 x 19	3.50 x 19	3.25 x 19	3.25 x 19	3.00 x 19	3.25 x 19
Wheelbase (inches)	56	56	56	56	56	51 $\frac{1}{2}$	56
Overall Length (inches)	86	86	86	86	86	80	86
Handlebar Width (inches)	27	27	27	27	27	27	27
Dualseat Height (inches)	31	31	31	31	31	29 $\frac{1}{2}$	31
Ground Clearance (inches)	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$
Weight Fully Equipped (lb.)	435	410	390	375	365	270	370
Petrol Tank Capacity (gallons)	5	4	4	4	4	2 $\frac{1}{2}$	4
Oil Tank Capacity (pints)	8	6	6	6	6	4	6
Petrol Consumption (M.P.G.)	70-75	65-70	75-80	75-80	80-85	100-110	70-75
Approximate Mean and Maximum Speeds (M.P.H.)	100-105	90-95	85-90	80-85	75-80	55-60	70-75

NOTE: Speed and petrol consumption figures do not apply to new machines that have covered less than 2,000 miles. Petrol consumption figures are based on a maintained speed of 45 m.p.h. Model LH at 35 m.p.h.



New all-enclosed rear chaincase. Available for all swinging arm frame models at extra charge.

See price list.

New quickly detachable rear wheel.

Guarantee

We give the following Guarantee with our Motor Cycles and Sidecars in place of and to the exclusion of any implied conditions or warranties or any liabilities whatsoever statutory or otherwise.

We guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, but this guarantee is to extend and be in force for six months only from the date of purchase. The damages for which we make ourselves responsible under this Guarantee are limited to the free repair or supply of a new part in exchange for the part which may have proved defective. We do not undertake to bear the cost of replacing or refixing any such new part. As Motor Cycles and Sidecars are easily liable to derangement by neglect or misuse, this Guarantee does not apply to defects caused by wear and tear, neglect or misuse. We do not guarantee Tyres, Saddles, Chains, Electrical Equipment or any other Specialities of Accessory Manufacturers.

If a defective part should be found in our Motor Cycles or Sidecars it must be sent to us carriage paid, and accompanied by an intimation from the owner that he desires to have it repaired or exchanged free of charge under our guarantee, and he must also furnish us at the same time with the number of the machine and the date of purchase.

ARIEL MOTORS LIMITED
BIRMINGHAM 29, ENGLAND

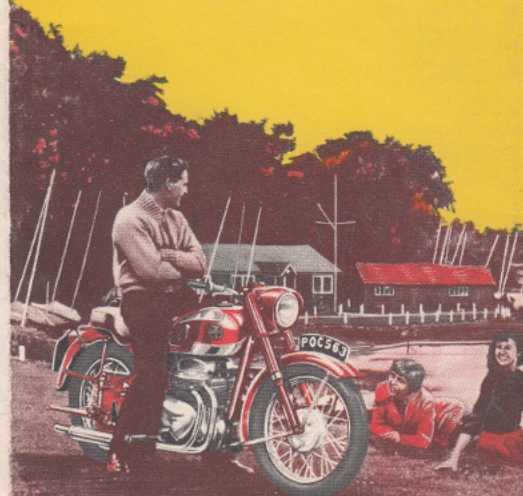


TELEPHONE: SELLY OAK 1381 (5 lines)

TELEGRAMS: ARIEL SELLY OAK

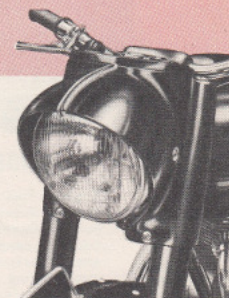
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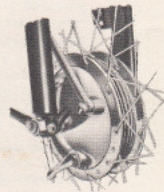
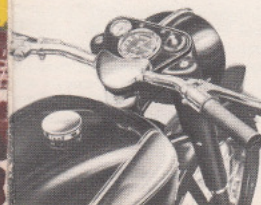
THE MODERN MOTORCYCLE

Features



New headlamp hood and fork cover.

Combined with the new headlamp hood is the attractive built-in instrument panel, containing ammeter, speedometer and lighting switch.



New full width light alloy hub with central brake, for swinging arm frame models (front and rear).

ARIEL MOTORS LIMITED
BIRMINGHAM
ENGLAND

ARIEL *Range and Prices for 1956*

MODEL		BASIC PRICE			PURCHASE TAX			TOTAL		
		£	s.	d.	£	s.	d.	£	s.	d.
4G	1,000 c.c. Square Four	260	0	0	62	8	0	322	8	0
FH	650 c.c. Huntmaster Twin	204	0	0	48	19	3	252	19	3
KH	500 c.c. Fieldmaster Twin	195	0	0	46	16	0	241	16	0
VH	500 c.c. Red Hunter Single	174	0	0	41	15	3	215	15	3
NH	350 c.c. Red Hunter Single	167	0	0	40	1	7	207	1	7
LH	200 c.c. Colt	117	0	0	28	1	7	145	1	7
VB	600 c.c. Side Valve	165	0	0	39	12	0	204	12	0
All enclosed rear chaincase available for Swinging Arm Frame Models at extra		2	10	0	12	0		3	2	0

These Prices operate on and after 27th October 1955 and are subject to alteration without prior notice

ARIEL MOTORS LIMITED · SELLY OAK · BIRMINGHAM 29 · ENGLAND

