

VIEW FROM MOUNT NORQUAY, BANFF, ALTA.

1948 MOTORCYCLE CATALOG

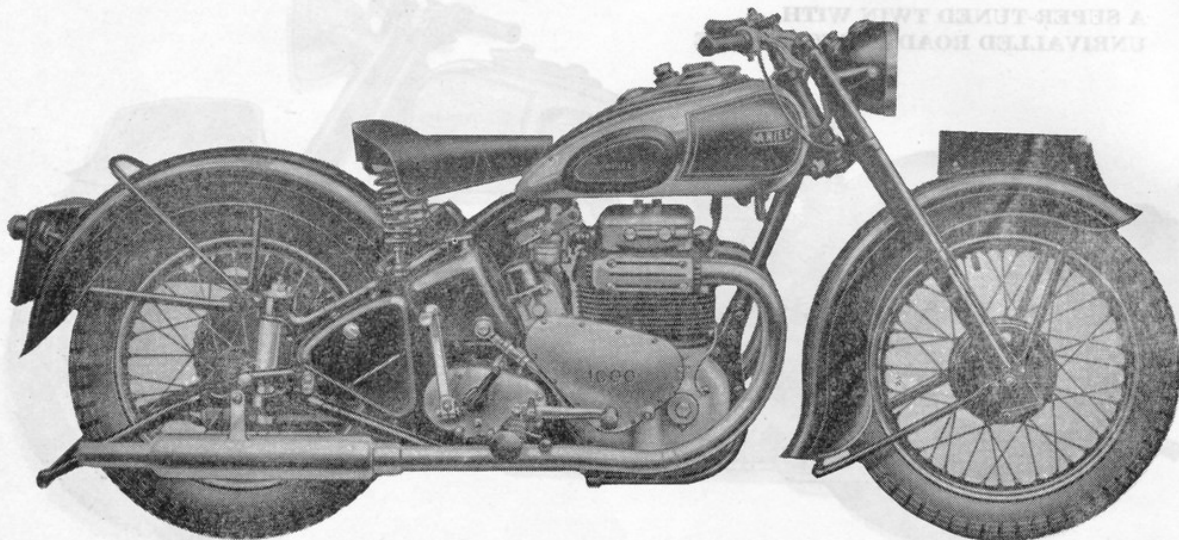


NICHOLSON BROS.

**200 Block, Second Avenue North
SASKATOON, SASK., CANADA**

Motorcycles • Parts • Accessories

ARIEL FOR 1948



1000 c.c. "Square Four"

With
Speedometer

\$952.50

Canadian Excise Tax \$167.00

Total Including Tax \$1,119.50

THE ARIEL SPRING FRAME as illustrated is available on this model. Extra cost.....\$80.00

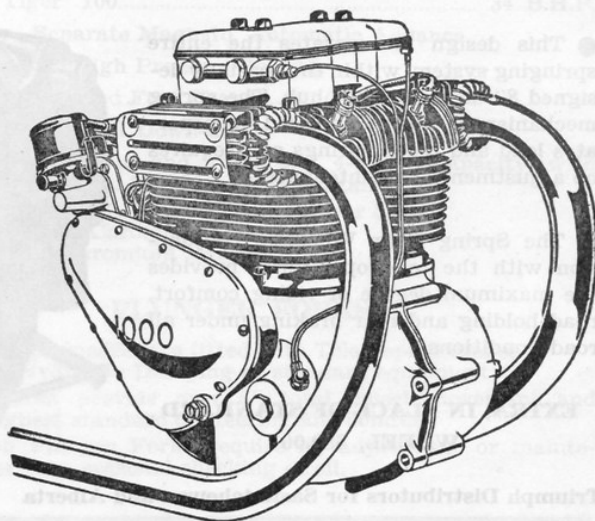
THE WORLD'S MOST EXCLUSIVE MOTORCYCLE

THE ARIEL 1000 c.c. "SQUARE FOUR" is recognized the world over as the most successful four-cylinder machine yet produced. Offering more of the desirable features looked for by the experienced motorcyclist, the "Square Four" motor provides an outstanding road performance, really rapid acceleration, combined with ability to cover really long mileages with a minimum of attention. Effortless starting, silent running and general smoothness are established characteristics of this design.

● Motorcyclists throughout the world have for years recognized Ariels for modern design, high performance and dependability. They are built for world-wide conditions and the extensive Ariel dealer organization ensures the utmost satisfaction to Ariel riders everywhere.

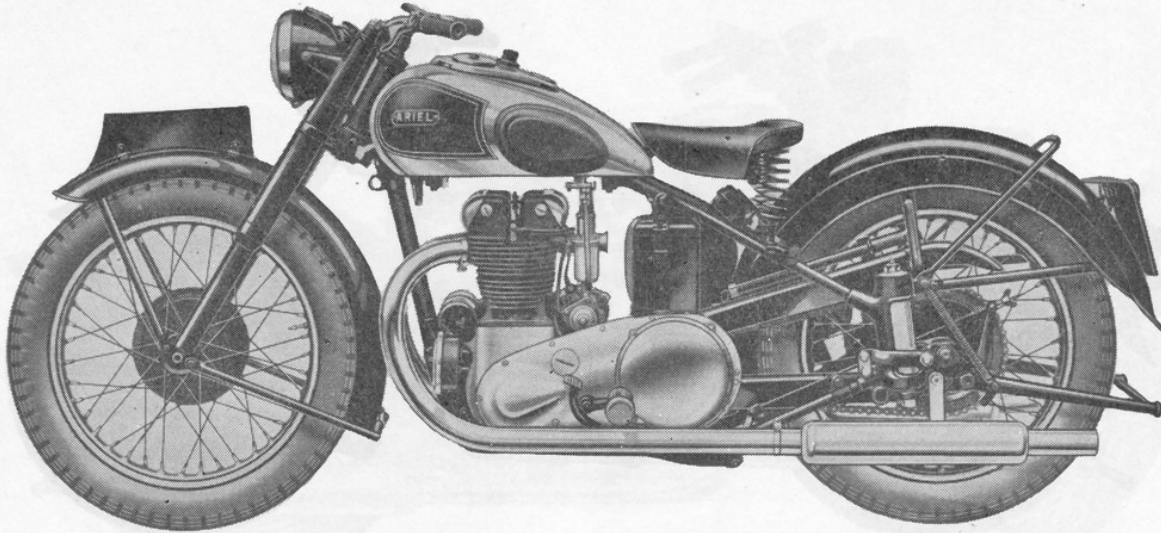
● The clean design, compactness and simplicity of the Square Four are symbolic of perfected design. Speeds of 10 to 100 M.P.H. in high gear can be maintained with the extreme silence and smoothness and complete absence of vibration.

● **Compression Ratios:** 5.8:1 concave top pistons standard. Optional higher ratios with dome top pistons, 6.8:1 and 7.2:1.



BUILT for WORLD-WIDE CONDITIONS

THE MODERN MOTORCYCLE



500c.c. O.H.V. DE LUXE TWIN

With Speedometer . . . **\$750.00**

SPRING FRAME, Extra \$80.00

Canadian Excise Tax \$125.00
Total Including Tax \$875.00

500c.c. O.H.V. RED HUNTER TWIN

With Speedometer **\$785.00**

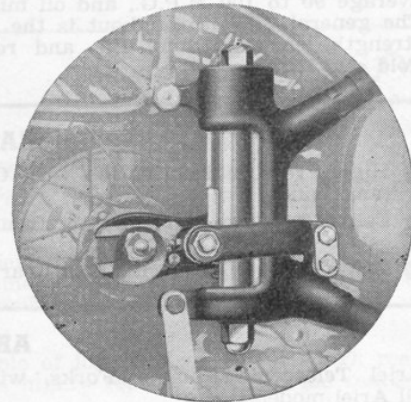
SPRING FRAME, Extra \$80.00

Canadian Excise Tax \$132.50
Total Including Tax \$917.50

THE ARIEL TWINS represent the latest in motorcycle engineering advancement. They provide a high standard of road performance with exceptionally quiet running, smoothness and reliability. The Ariel plunger forks with hydraulic control provide unexcelled steering and road holding qualities; in conjunction with the spring frame the standard of comfort and safety provided leaves little to be desired under the most severe conditions.

ARIEL TWIN MOTOR FEATURES

- Forged Steel crankshaft
- Alloy Rods with replaceable Bearing Shells
- Monoblock Cylinder Head and Rocker Boxes
- Cylinder Block Incorporates Pushrod Passageways
- Twin Camshafts driven by tensioned Duplex Roller Chain
- Forged Alloy Pistons
- Gear Type Oil Pump for High Pressure Lubrication
- Automatic Ignition Advance
- Excellent Accessibility to Carburetor and Valve Adjustments

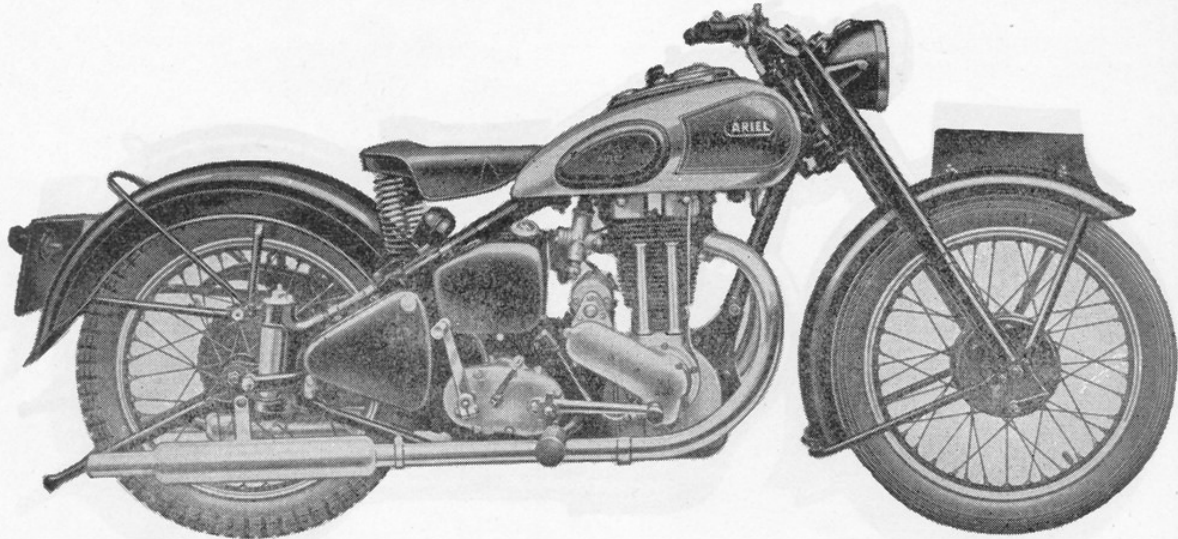


ARIEL SPRING FRAME

Available as optional extra equipment on all models, the Ariel Spring Frame provides the maximum in Riding Comfort, Road Holding, Braking Efficiency, and General Safety. Extra **\$80.00**

IDEAL FOR TOURING OR SPORT

ARIEL FOR 1948



★ Economy

★ Satisfying Performance

★ Reliability

350c.c. O.H.V. "DE LUXE", With Speedometer \$622.50

SPRING FRAME (optional extra) \$80.00

Canadian Excise Tax \$107.00
Total Including Tax \$737.50

THE ARIEL 350 c.c. O.H.V. DELUXE model is an ideal all-purpose mount. It has a good all-round performance, being capable of a maximum speed of 70 to 75 M.P.H. Gas mileage will average 90 to 100 M.P.G., and oil mileage over 3000. The general build throughout is the same as the 500 cc. machine, giving a great reserve of strength, ensuring long life and reliability. Superbly finished in black and chromium with gold striping.

LEADING ARIEL FEATURES

- High Pressure Lubrication with Gauge in tank panel
- Polished Aluminum Oilbath front Chain case
- 4-Speed Foot Change Burman Gearbox
- Massive Frame of "Aero" Tubes
- Air Cooled Brakes
- Tank Mounted Instrument Panel
- Spring Frame (extra equipment)

ARIEL PLUNGER FORKS

Ariel Telescopic Plunger Forks, with hydraulic damping control, are standard equipment on all Ariel models.

ARIEL SPRING FRAMES

The Ariel Rear Spring Frame is available as optional extra equipment on all Ariel models. It gives maximum comfort, road holding and safety on all road surfaces. Extra..... \$80.00

Ariel Distributors for Saskatchewan

FOR BETTER MOTORCYCLING

ARIEL PARTS

NOTE.—Parts of Ariel manufacture only, not available in replacement lines are listed below. More commonly required replacement parts will be found listed under various groups elsewhere in this catalogue.

ENGINE PARTS—Ariel Single Cylinder Models

Order No.	Part	Price	Order No.	Part	Price
NB-A105	Screw Cap for rocker adjustment	\$.75	NB-A123	Engine Sprocket, 23-T	\$ 6.25
NB-A106	Screw Cap Washer .....	.10	NB-A124	Ball Bearing Engine Drive Shaft, except model V.H.	6.50
NB-A107	Rocker Box Joint Washer .....	.25	NB-A125	Roller Bearing (lipped), timing side, 500 V.H.	9.15
NB-A108	Crank pin and Roller Bearing complete except V.H.	13.25	NB-A126	Roller Bearing (non-lipped), drive side V.H.	9.60
NB-A109	Crank Pin and Roller Bearing complete 500 V.H. model, '37-'47	22.50	NB-A127	Ball Bearing Drive and Gear Side except V.H.	5.50
NB-A112	Con-rod and Small End Bush, 500 Hunter	10.00	NB-A129	90-degree Elbow Breather .....	.25
NB-A113	Small End Bush, 350 models	1.00	NB-A131	Oil Pump, complete	12.50
NB-A114	Small End Bush, 500 models	1.00	NB-A132	Oil Pump aluminum drive block .....	.50
NB-A116	Shock Absorber Spring	1.25	NB-A133	Oil Pump Spring .....	.10
NB-A118	Sliding Member	3.50	NB-A135	Gasket Set, 350 cc. models	1.75
NB-A119	Sprocket Securing Nut .....	.25	NB-A136	Gasket Set, 500 cc. models	1.75
NB-A120	Engine Sprocket, 19-T	5.75	NB-A137	Magdyno Chain	1.75
NB-A121	Engine Sprocket, 20-T	5.75			
NB-A122	Engine Sprocket, 21-T	5.75			

ENGINE PARTS—Ariel 1000 c.c. "Square Four"

Order No.	Part	Price	Order No.	Part	Price
NB-AF101	Complete Gasket Set	\$ 4.25	NB-AF113	Left Crankshaft Roller Bearing	\$ 9.00
NB-AF102	Head Gasket, set of two	1.00	NB-AF114	Left Crankshaft Outside Bearing	9.00
NB-AF103	Cylinder Block	35.00	NB-AF116	Right Crankshaft Bearing	2.25
NB-AF104	Split Cone, each half .....	.20	NB-AF117	Oil Drain Plug .....	.50
NB-AF105	Valve Stem End Cap .....	.25	NB-AF118	Chain Tensioner Plate .....	.25
NB-AF106	Connecting Rod, complete	14.75	NB-AF119	Chain Tensioner Spring .....	.25
NB-AF107	Small End Bush .....	.75	NB-AF120	Fibre Rubbing Strip .....	.50
NB-AF108	Engine Sprocket, 24-T	6.50	NB-AF121	Fibre Rubbing Strip Rivet, each .....	.05
NB-AF108	Engine Sprocket, 25-T	6.75	NB-AF122	Oil Pump, complete	15.00
NB-AF110	Shock Absorber Spring	1.25	NB-AF123	Oil Pump Sliding Block .....	.75
NB-AF111	Sliding Member	3.00	NB-AF124	Oil Pump Spring .....	.10
NB-AF112	Sprocket Nut .....	.25			

GEARBOX PARTS—Burman Ariel Singles and Fours

Order No.	Part	Price	Order No.	Part	Price
NB-A201	Kick Starter Ratchet Pinion, 17T	\$ 4.00	NB-A211	Clutch Springs for Cork Plates	\$.20
NB-A202	Bush for above	1.25	NB-A212	Clutch Springs for Fabric Plates .....	.25
NB-A203	Spring for above .....	.25	NB-A213	Clutch Rod BA Box 3-plate Clutch .....	.50
NB-A204	Ratchet Pinion Nut .....	.20	NB-A214	CP Box Clutch Rod, 2-plate Clutch .....	.50
NB-A205	Driving Ratchet	2.85	NB-A215	Clutch Rod CP Box 3-plate Clutch .....	.50
NB-A206	Kick Starter Shaft, '37-'47 singles	3.75	NB-A216	Foot Change Spring Box	2.50
NB-A207	Starter Sector Gear, '31-'47 single	5.25	NB-A217	Foot Change Ratchet	1.75
NB-A208	Clutch Plate with Cork Inserts	2.75	NB-A218	Foot Change Pawl .....	.75
NB-A209	Clutch Plate with Fabric Inserts	2.75	NB-A219	Gearbox Driving Sprocket, 18-T	6.75
NB-A210	Clutch Chain Sprocket Bolts .....	.15			

GEARBOX PARTS—Burman Ariel Fours Only

Order No.	Part	Price	Order No.	Part	Price
NB-AF201	Ratchet Pinion, 19-T	\$ 4.00	NB-AF203	Gearbox Driving Sprocket, 19-T	\$ 6.75
NB-AF202	Kick Starter Sector	5.25			

FRAME, FORK and WHEEL PARTS, Etc.

Order No.	Part	Price	Order No.	Part	Price
NB-A301	Rim, chrome and red, 3.25x19, front and rear, 40 holes	\$10.50	NB-A308	Ball Race for Fork Crown	\$ 1.25
NB-A302	Main Fork Spring, all models '34-'46 (heavy)	2.85	NB-A309	Ball Race for Head Clip	1.25
NB-A303	Main Spring, all models '34-'46 (light)	2.85	NB-A310	Ball Race for Head Lug	1.25
NB-A304	Fork Spindle Bush .....	.35	NB-A311	Rear Frame Main Spring (light)	1.50
NB-A305	Fork Auxiliary Spring, '39-'46 models ..	1.75	NB-A312	Rear Frame Main Spring (heavy)	1.50
NB-A306	Fork Spring, extra strong Square Four ..	2.85	NB-A313	Recoil Spring (bottom)	1.50
NB-A307	Steering Damper Knob	1.75	NB-A314	Gas Tap, two-lever type	1.75
			NB-A315	Gas Tap, Red Hunter models only	1.75
			NB-A316	Speedometer Inner Cable	2.75

NOTE.—ARIEL PARTS—V.H. PARTS FOR ARIEL 500 cc. RED HUNTER MODELS ONLY.
PARTS NUMBERS PRECEDED BY AF ARE PARTS USED ON SQUARE FOUR MODELS ONLY.

EVERYTHING for the MOTORCYCLIST