

announcing the **NEW**

TRIUMPH
Tigress



the

TRIUMPH

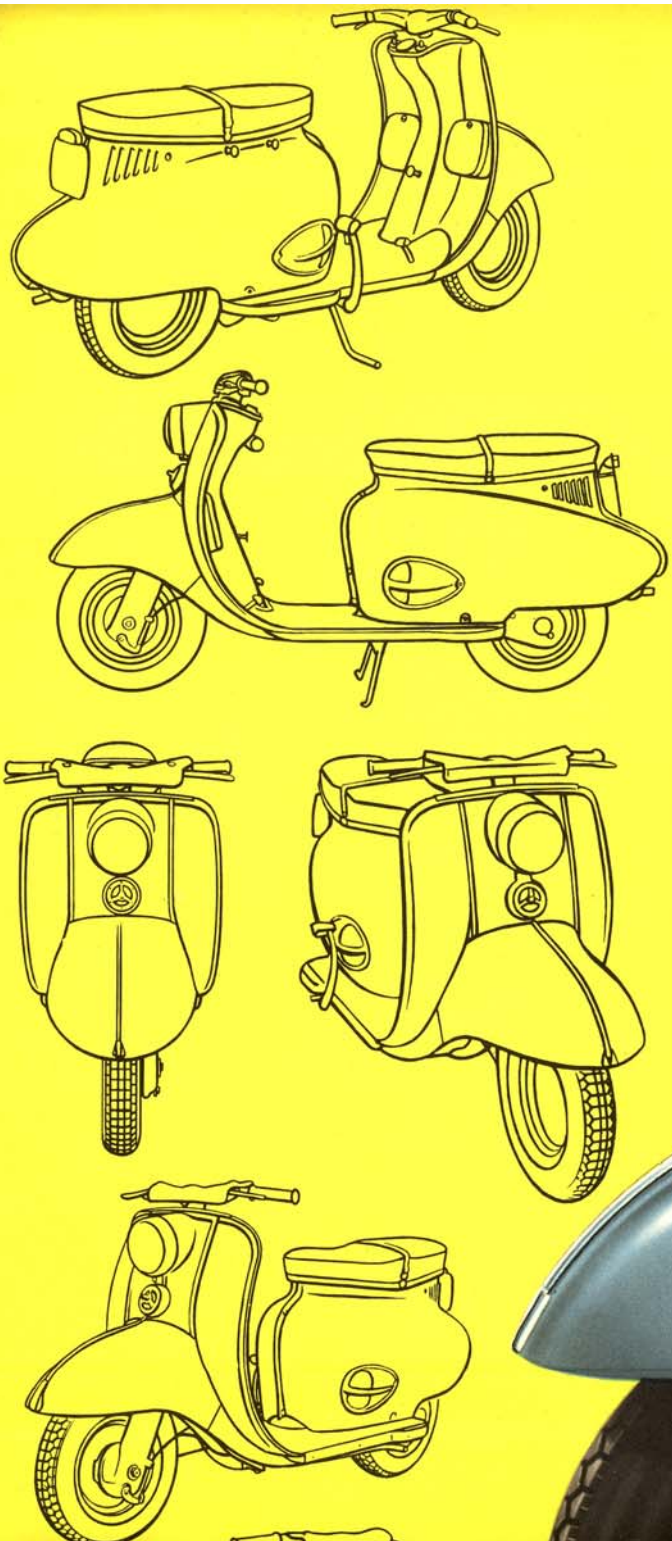
Tigress

the **NEW** all-purpose





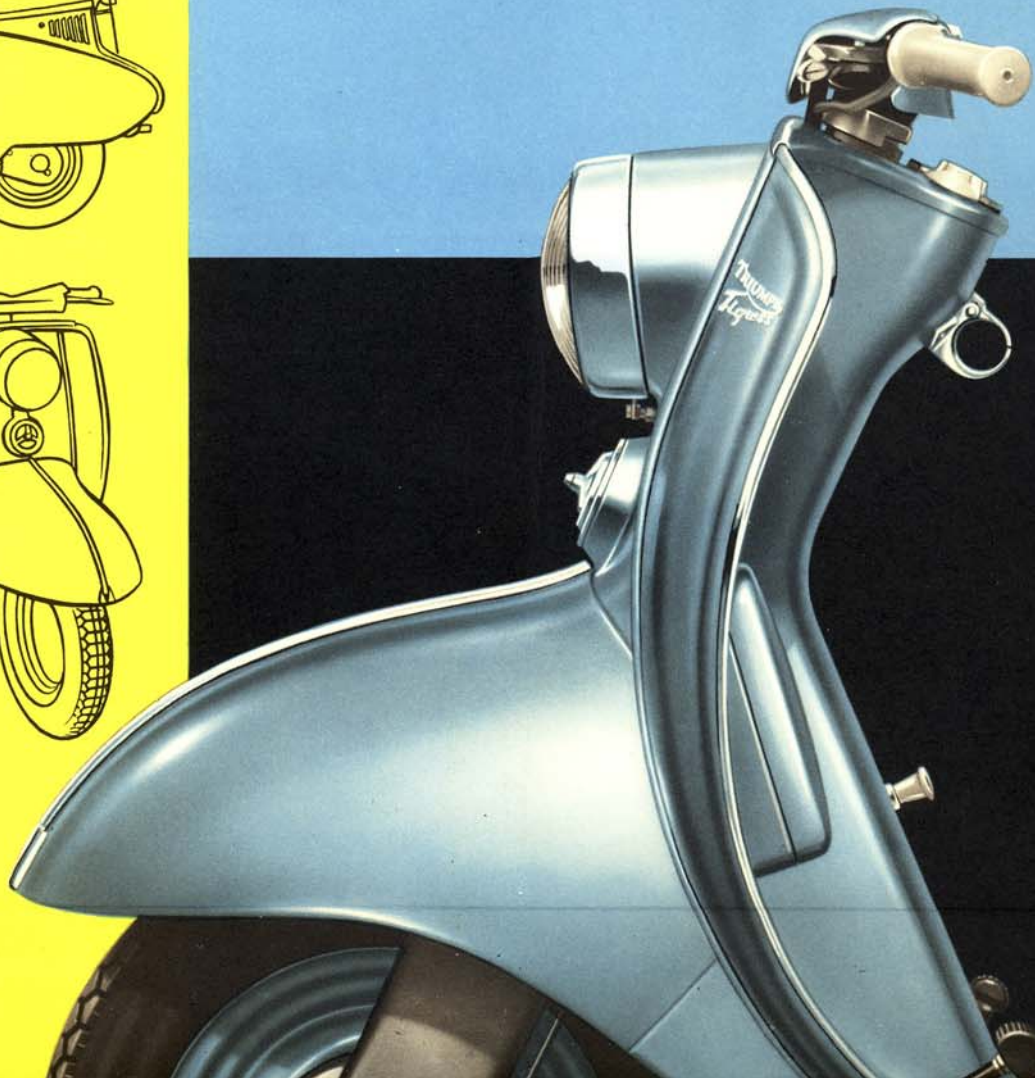
super - scooter



TRIUMPH



sleekest, s

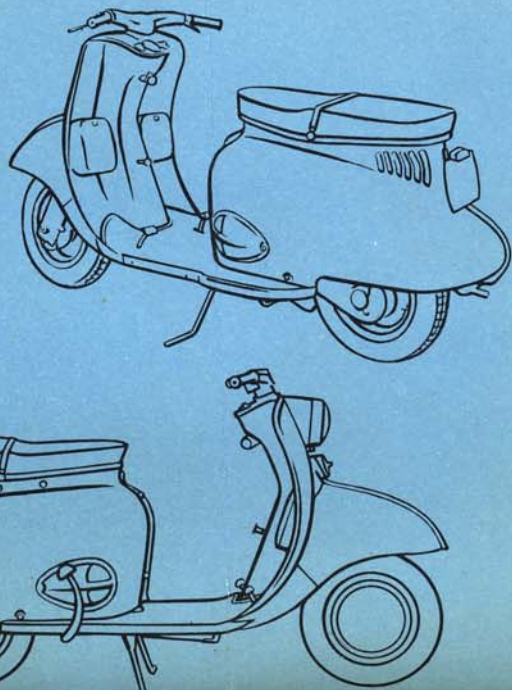
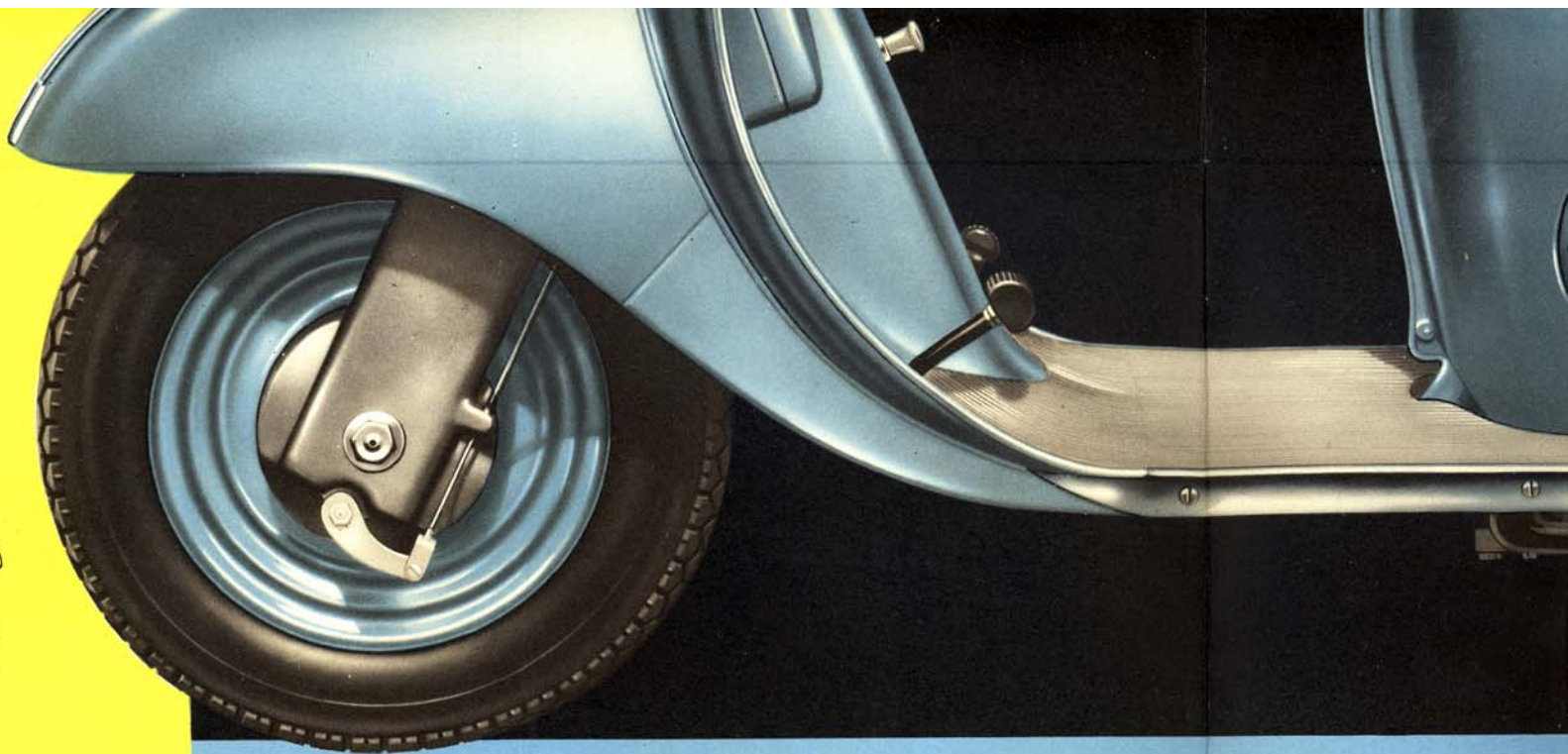
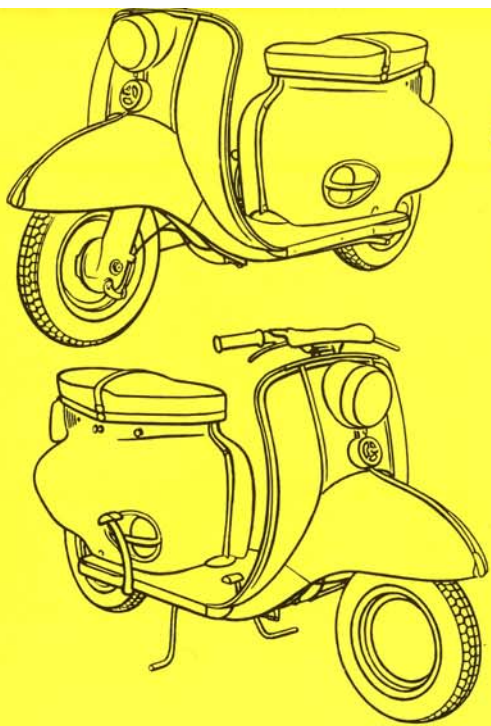


MPH

Tigress

sleekest, smoothest, scooter of all

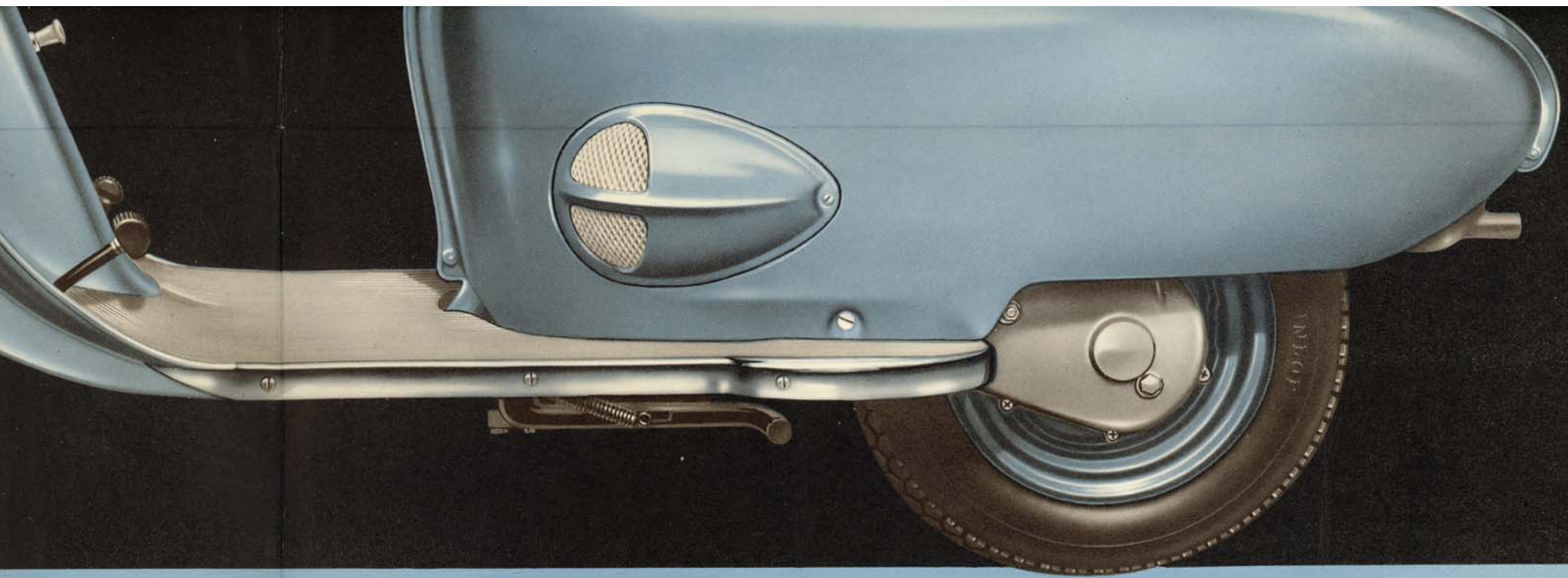




It's sleek, with eye appealing lines that add style to every journey . . . graceful bodywork that protects you from the weather and guards your clothes from oil and dirt . . . lustrous finish that stays bright, come rain, come snow . . . viewed from any angle the TRIUMPH TIGRESS looks as good as it is.

It's smooth and efficient . . . whichever engine you choose, the simple two-stroke or the more powerful four-stroke OHV Twin you will get economy, smooth running and exhilarating performance. Efficient in design, efficient in operation, the TRIUMPH TIGRESS offers complete satisfaction on all counts.

It's easy to ride, with simple controls, feather light to use and a deep luxurious twin seat which stays comfortable throughout the miles, keeping you fresh and free from saddle fatigue. As for the short trips, to the shops, the cinema, the office, friends, or for the Sunday afternoon meander—the TIGRESS is the only choice. Fare-free carefree, you can nip through the traffic, purr along leafy lanes and park (almost!) on a postage stamp. Study the technical details, look at the superb styling and you'll decide that the TIGRESS must be *your* scooter.



... features that add style to every journey . . . graceful bodywork
 . . . lustrous finish, come snow . . . viewed from any angle the TRIUMPH

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LIGHT TO HANDLE



STYLISH AND COMFORTABLE



EASY TO PARK

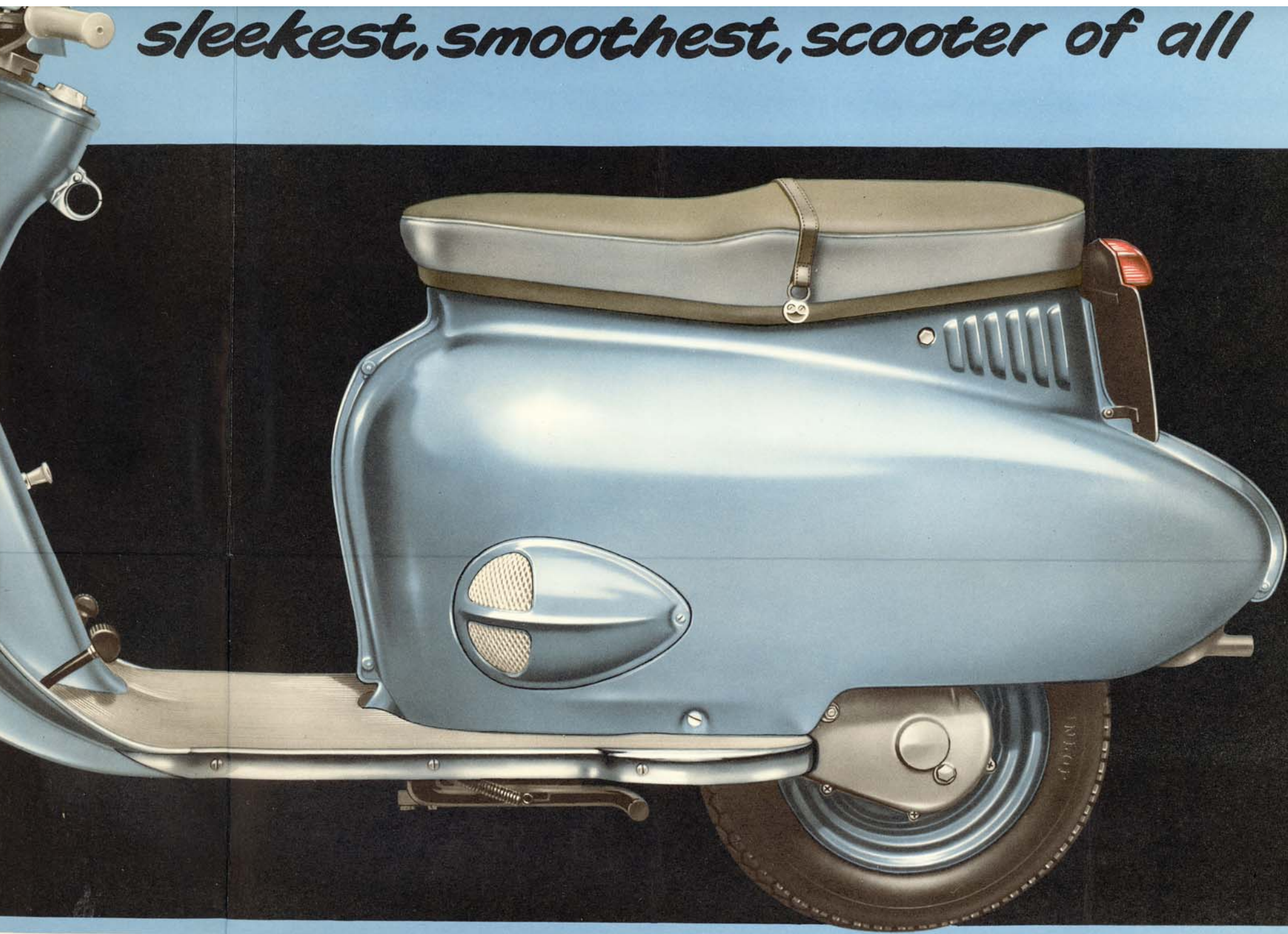


WONDERFUL ECONOMY

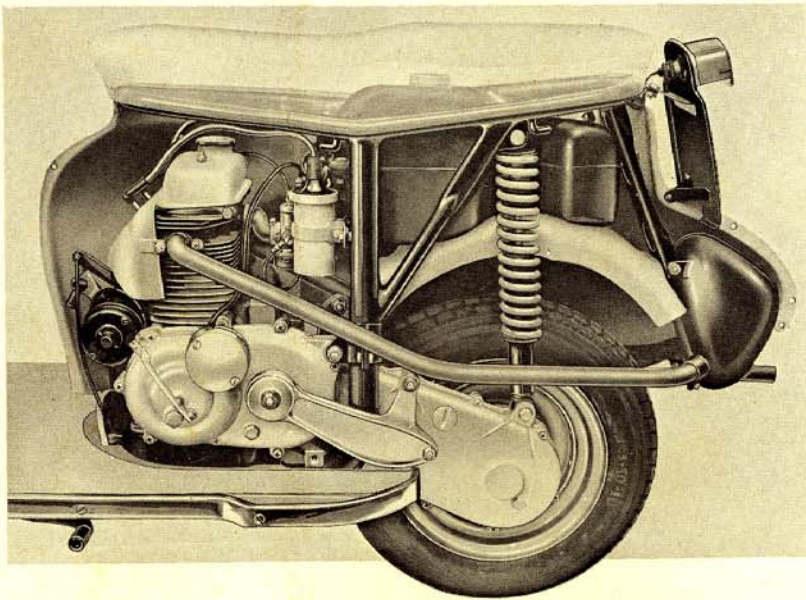
sleekest, smoothest



sleekest, smoothest, scooter of all



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



View with side panel removed showing compact nature of power unit, totally enclosed transmission and rear suspension.

ENGINE TS1 High efficiency single cylinder two-stroke, Fan cooled, the fan being integral with the flywheel magneto. Aluminium piston. Steel connecting rod with heavy duty roller bearing big-end. Petroil lubrication (ratio 1 to 18).

TW2 and TW2S Vertical twin cylinder four-stroke with overhead valves operated by push rods from a single gear driven camshaft. Alloy cylinder head. Integral light alloy crankcase and cylinder barrel with cast in iron liners. Aluminium pistons. Steel connecting rods with thin wall high duty big end bearings. Wet sump lubrication with plunger type pump providing positive pressure oil feed to big ends and valve gear. One-piece steel crankshaft. Cooling by high efficiency fan incorporated with flywheel. Crankshaft mounted AC Alternator. Twin contact breakers and coils. Zenith carburettor with built in air cleaner.

GEARBOX & TRANSMISSION Crankshaft mounted (engine speed) multi-plate clutch. Gear primary drive to four-speed gearbox which is cast integrally with the engine crankcase. Positive foot change operation with automatic neutral finder. Gears of hardened nickel and nickel chrome steel. Final drive by duplex chain (with tensioner) enclosed in aluminium oil bath casting which also forms rear suspension arm. Rear sprocket incorporates rubber damped hub centre.

FRAME Rigid tubular construction cradles engine gear unit.

BODY Pressed steel construction beautifully styled. Completely enclosed engine and transmission and the spacious platform and front apron give very efficient weather protection. Twin seat cushioned with latex foam and hinged for instant access to engine compartment and fuel and oil reservoirs. Comfortable shaped handlebars with car type instrument panel.

SUSPENSION Front suspension comprises double plunger type fork assembly in light alloy casting which also forms part of front hub. Coil spring suspension hydraulically damped. Swinging arm rear suspension with single combined suspension/damper unit.

WHEELS Quickly detachable car type of pressed steel. Interchangeable.

ELECTRICAL EQUIPMENT

MODEL TS1 6 volt flywheel magneto with AC lighting coils giving 30 watts output which is rectified for lighting and battery charging. Car type head lamp, combined tail/stop lamp and horn.

MODEL TW2S (Self starter) 12 volt electrical system incorporating AC alternator which provides current for lighting and ignition. Ignition by twin contact breakers and twin coils. Powerful starter motor engages ring gear on flywheel. Starter control adjacent to instrument panel. Efficient car type head lamp, combined tail/stop lamp and horn.

MODEL TW2 (Non-self starter) 6 volt electrical system which provides lighting equipment of comparable power to 12 volt model. Starting by foot pedal.

FUEL TANK Beneath twin seat, quick release filler cap. Oil carried in engine sump with accessible dipstick.

TECHNICAL DATA	TS1	TW2 and TW2S
Engine Type	2 stroke	OHV
Number of Cylinders	1	2
Bore/Stroke mm.	61.5 mm. x 58 mm.	56 mm. x 50-62 mm.
Bore/Stroke ins.	2.42" x 2.28"	2.20" x 2.00"
Cylinder Capacity ccs.	173	249
cu. ins.	10.6	15.2
Compression ratio	7.5 : 1	6.5 : 1
BHP at RPM	7.5 HP @ 5,000 r.p.m.	10 HP @ 5,500 r.p.m.
Primary drive	Gear 2.27 : 1 Ratio	2.0 : 1 Ratio
Rear Drive	Duplex Chain with Tensioner	Duplex Chain with Tensioner
RPM 10 m.p.h. Top Gear	948	834
Gear Ratios	Top 4.55:1 3rd 5.8:1 2nd 9.1:1 1st. 13.6:1	Top 4.0:1 3rd 5.2:1 2nd 8.0:1 1st. 12.0:1
Carburettor	Zenith	Zenith 17MX
Tyres—Front } Rear }	3.50 x 10 } Scooter tyre }	3.50 x 10 } Scooter tyre }
Brake diameter	5" dia. x 1" wide	5" dia. x 1" wide
Seat Height	28"	28"
Wheelbase	48"	48"
Length	72"	72"
Width	24"	24"
Ground Clearance	5"	5"
Weight (Dry)	220 lbs.	240 lbs.
Petrol capacity	1½ gallons	1½ gallons
Lubrication	Petroil	2½ pints oil

ACCESSORIES. A full range of accessories has been designed for the Triumph Tigress. Details on request.

TRIUMPH ENGINEERING COMPANY LTD.
SCOOTER DIVISION
WAVERLEY WORKS · BIRMINGHAM 10.