

Contd.

supplementary to the four normally provided, and is a welcome and carefully thought out recruit to an increasingly popular form of body construction.

**Eight:** 0.8 litre; 28 b.h.p.; four-door saloon. **Eight de Luxe:** 0.8 litre; 28 b.h.p.; four-door saloon. **Ten:** 0.95 litre; 33 b.h.p.; four-door saloon. **Ten Estate Car:** 0.95 litre; 33 b.h.p.; estate body. **Vanguard:** 2.0 litres; 68 b.h.p.; four-door saloon.—The Standard Motor Co., Ltd., Coventry, Warwickshire.

Full specifications appear on page 502

**SUNBEAM—Stand 161**

MANY detail improvements are to be found in the latest models from Sunbeam-Talbot, Ltd., shown on this stand. Starting with these Mark III models, incidentally, the cars are now known simply as Sunbeams, both the "90" and the "Talbot" parts of the former title having been dropped.

The engine fitted to the Mark III models is new, although closely following the general design of the previous unit; it develops an extra 3 b.h.p. to bring the power output up to 80 b.h.p. at 4,400 r.p.m. Another notable point is that Laycock-de Normanville overdrive, formerly offered only on the Alpine two-seater sports, is now available as an extra on the other two models; solenoid operation is employed with a neat switch on the steering-column boss.

Externally, the new Sunbeams are to be distinguished by the extensions of the small air-intake grilles to embrace the side lamps, and by the fitting of small air vents in the rear part of the bonnet sides. Other changes include the fitting of flasher-type indicators, provision in a revised facia board for a rev. counter (standard on the Alpine) and improved seating.

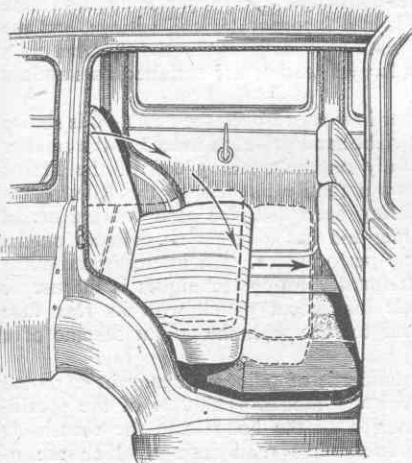
All three models—the sports saloon, the sports convertible and the Alpine sports two-seater—are shown and the Alpine is also prominently displayed on a plinth.

**Sunbeam Mk. III:** 2.3 litres; 80 b.h.p.; four-door sports saloon; two-door sports convertible; Alpine two-seater sports.—Sunbeam-Talbot, Ltd., Ryton-on-Dunsmore, near Coventry.

Full specifications appear on pages 502 and 503

**SWALLOW DORETTI—Stand 134**

A WELCOME newcomer to the ranks of high-performance cars is the Swallow Doretti which has been put into production by a small company with powerful financial backing in a very well-equipped works at Walsall Airport. Capable of a genuine 100 m.p.h., the Doretti is nevertheless not a sports car of the stark competition type, but is designed for use as a fast touring car as well by drivers who require a high performance and yet place an equally high value on their creature comforts. It is for this reason



When only two passengers are being carried in the Standard Ten estate car, the rear seat squab may be folded down, thereby causing the rear seat cushion to slide forward and increasing considerably the space available for luggage or goods.



that a heater is fitted as standard and that the weather protection is exceptionally good, the hood being simple to raise single-handed from the driving seat.

The tubular chassis is fitted with Triumph TR2 engine, gearbox and rear axle, and the front suspension of the coil spring and wishbone link type is also a combination of Triumph and Doretti components. The light but rigid body shell has a steel inner skin and an aluminium outer skin, its conception owing much to the company's experience in the aircraft industry.

A wide selection of additional equipment is also available, including the Laycock-de Normanville overdrive unit and such items as wire wheels, an undershield and aero screens for owners who wish to take part in competition.

**Doretti:** 2.0 litres; 90 b.h.p.; two-seater sports.—The Swallow Coach-building Co. (1935), Ltd., The Airport, Walsall, Staffs.

A full specification appears on page 503.

**TRIUMPH—Stand 125**

THE current version of the Triumph TR2 was launched at Earls Court last year, and attention this year will be focused upon the hard top version which is described on page 457. Visitors to the stand, however, will observe with what skill the new top has been blended into the existing body lines, and can also observe that the device is detachable at will. The standard open two-seater is now fitted with a modified hood which embraces quarter lights, and a small but useful change has been made to the door structure. There is now a fixed sill at the bottom edge of the door which is now shallower so that it will not foul kerbs when the car is parked in cities. The bonnet top is now located by Dzus fasteners in place of the previous cable-operated lock. A wide variety of special equipment is available for the TR2 and the cars exhibited will show the range of optional extra fittings.

Forming a complete contrast to the sports models is the

Newcomer to the ranks of 2-litre sports cars is the shapely Swallow Doretti which combines high performance with docile handling and a notably well-appointed cockpit. The rigid, but removable, side-screens are of frameless transparent plastic, with hinged sections to permit hand signals.



**SPECIFICATIONS - Contd.**

**Sunbeam—contd.**

overall width, 5 2/4"; overall height (saloon), 5' 0 3/4"; (convertible), 4' 11"; ground clearance, 6 3/4"; turning circle, 36 1/2"; dry weight, 26 1/2 cwt. **PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 19.9; top gear m.p.h. at 2,500 ft./min. piston speed, 69; litres per ton-mile, dry, 2,600. **PRICES:** Total Basic Saloon .. £1,127 7s. 6d. .. £795 Convertible coupé .. £1,198 4s. 2d. .. £845

**Alpine**

Specification as "90" (Mk. III) except: overall gear ratios: overdrive, 3.28; top, 4.22; 3rd, 5.61; 2nd, 9.24; 1st, 11.94; rev., 15.10. Overall length, 14' 0 1/4"; overall height, 4' 9 3/4"; dry weight, 25 1/2 cwt.; litres per ton-mile, dry, 2,880 (overdrive 2,240). **PRICES:** Total Basic Sunbeam Alpine .. £1,212 7s. 6d. .. £855

**SWALLOW DORETTI**

Swallow Coachbuilding Co. (1935), Ltd., The Airport, Walsall, Staffs.

**Mk. I**

**ENGINE.—Dimensions:** Cylinders, 4; bore, 83 mm.; stroke, 92 mm.; cubic capacity, 1,991 c.c.; piston area, 33.5 sq. in.; valves, overhead (push-rod); compression ratio, 8.5:1. **Performance:** Max. b.h.p., 90 at 4,800 r.p.m.; b.h.p. per sq. in. piston area, 2.69. **Details:** Carburettors, twin S.U.; ignition, coil; plugs, Champion L10S; fuel capacity, 12 1/2 gal.; oil filter, Purolator by-pass.

**TRANSMISSION.**—Clutch, Borg and Beck s.d.p.; overall gear ratios: top, 3.7; 3rd, 4.9; 2nd, 7.4; 1st, 12.5; rev., 15.8; prop. shaft, Hardy Spicer; final drive, hypoid bevel. (Also available with overdrive providing a ratio of 3.03:1.)

**CHASSIS DETAILS.**—Brakes, Lockheed hydraulic; friction lining area, 148 sq. in.; suspension: front, independent (coil); rear, semi-elliptic; shock absorbers: front, telescopic; rear, piston type; tyre size, 5.50-15.

**DIMENSIONS.**—Wheelbase, 7' 11"; track: front, 4' 0"; rear, 3' 9 1/2"; overall length, 13' 0"; overall width, 5' 1"; overall height (hood up) 4' 4 1/2"; ground clearance, 6"; turning circle, 36 1/2"; dry weight, 16 1/2 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. at 1,000 r.p.m., 20.1; top gear m.p.h. at 2,500 ft./min. piston speed, 83.5; litres per ton-mile, dry, 3,600.

**PRICES:** Total Basic 2-seater sports .. £1,101 17s. 6d. .. £777

**TRIUMPH**

Triumph Motor Co. (1954), Ltd., Coventry.

**Renown**

**ENGINE.—Dimensions:** Cylinders, 4; bore, 85 mm.; stroke, 92 mm.; cubic capacity, 2,088 c.c.; piston area, 35.2 sq. in.; valves, overhead (push-rod); compression ratio, 7:1. **Performance:** Max. b.h.p., 68 at 4,200 r.p.m.; b.h.p. per sq. in. piston area, 1.93. **Details:** Carburettor, Solex downdraught with thermostatically controlled hot spot for quick warming; ignition, coil; plugs, Champion L10; fuel capacity, 15 gal.; oil filter, Purolator.

**TRANSMISSION.**—Clutch, Borg and Beck; overall gear ratios: top, 4.625; 2nd, 7.71; 1st, 16.35; rev., 18.99; prop. shaft, Hardy Spicer; final drive, hypoid bevel. (Overdrive an optional extra, ratio 3.60:1.)

**CHASSIS DETAILS.**—Brakes, Lockheed hydraulic (2 L.S. front); friction lining area, 121 sq. in.; suspension: front, independent (coil); rear, semi-elliptic; shock absorbers, piston-type hydraulic; tyre size, 5.75-16.

**DIMENSIONS.**—Wheelbase, 9' 3"; track: front, 4' 3"; rear, 4' 6"; overall length, 15' 1"; overall width, 5' 4"; overall height, 5' 5"; ground clearance, 8"; turning circle, 40"; dry weight, 25 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 17; top gear m.p.h. at 2,500 ft./min. piston speed, 70.5; litres per ton-mile, dry, 2,920.

**PRICES:** Total Basic Saloon .. £1,099 0s. 10d. .. £775

**TR2 Sports**

**ENGINE.—Dimensions:** Cylinders, 4; bore, 83 mm.; stroke, 92 mm.; cubic capacity, 1,991 c.c.; piston area, 33.5 sq. in.; valves, overhead; compression ratio, 8.5:1. **Performance:** Max. b.h.p., 90 at 4,800 r.p.m.; b.h.p. per sq. in. piston area, 2.69. **Details:** Carburettors, twin S.U.; ignition, coil; plugs, Champion L10S; fuel capacity, 12 gal.; oil filter, Purolator by-pass.

**TRANSMISSION.**—Clutch, Borg and Beck; overall gear ratios: top, 3.7; 3rd, 4.9; 2nd, 7.4; 1st, 12.5; rev., 15.8; prop. shaft, Hardy Spicer; final drive, hypoid level.

**CHASSIS DETAILS.**—Brakes, Lockheed hydraulic (2 L.S. front); friction lining area, 148 sq. in.; suspension: front, independent (coil); rear, semi-elliptic; shock absorbers (front) telescopic; (rear) piston-type; tyre size, 5.50-15.

**DIMENSIONS.**—Wheelbase, 7' 4"; track: front, 3' 9"; rear, 3' 9 1/2"; overall length, 12' 7"; overall width, 4' 7 1/2"; overall height (over hood), 4' 2"; ground clearance, 6"; turning circle, 32"; dry weight, 17 1/2 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 20; top gear m.p.h. at 2,500

ft./min. piston speed, 87.6; litres per ton-mile, dry, 3,320. **PRICES:** Total Basic Sports .. £886 10s. 10d. .. £625 Hard-top .. £943 4s. 2d. .. £665 Hard-top (sliding windows) .. £950 5s. 10d. .. £670

**VAUXHALL**

Vauxhall Motors, Ltd., Luton, Beds.

**Wyvern**

**ENGINE.—Dimensions:** Cylinders, 4; bore, 79.37 mm.; stroke, 76.2 mm.; cubic capacity, 1,507 c.c.; piston area, 30.7 sq. in.; valves, o.h.v. (push-rod); compression ratio, 6.5 or 7.3:1. **Performance:** Max. b.h.p., 45.5 (7.3 C.R., 47.7) at 4,000 r.p.m.; b.h.p. per sq. in. piston area, 1.48 (7.3 C.R., 1.55). **Details:** Carburettor, Zenith downdraught; ignition, coil; plugs, AC 48; fuel capacity, 11 gal.; oil filter, AC by-pass.

**TRANSMISSION.**—Clutch, Borg and Beck; overall gear ratios: top, 4.625; 2nd, 7.38; 1st, 15.88; rev., 15.88; prop. shaft, Hardy Spicer; final drive, hypoid bevel.

**CHASSIS DETAILS.**—Brakes, Lockheed-Vauxhall hydraulic; friction lining area, 100.6 sq. in.; suspension: front, independent (coil and wishbone); rear, semi-elliptic; shock absorbers, Vauxhall telescopic hydraulic; tyre size, 5.60-15.

**DIMENSIONS.**—Wheelbase, 8' 7"; track: front, 4' 5"; rear, 4' 6 1/2"; overall length, 14' 4"; overall width, 5' 6 1/2"; overall height, 5' 3 3/4"; ground clearance, 6 1/2"; turning circle, 38"; dry weight, 19.7 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 16.15; top gear m.p.h. at 2,500 ft./min. piston speed, 80.5; litres per ton-mile, dry, 2,820.

**PRICES:** Total Basic Saloon .. £702 7s. 6d. .. £495

**Velox and Cresta**

**ENGINE.—Dimensions:** Cylinders, 6; bore, 79.37 mm.; stroke, 76.2 mm.; cubic capacity, 2,262 c.c.; piston area, 46.0 sq. in.; valves, o.h.v. (push-rod); compression ratio, 6.5 or 7.3:1. **Performance:** Max. b.h.p., 65 (7.3 C.R., 67.5) at 4,000 r.p.m.; b.h.p. per sq. in. piston area, 1.41 (7.3 C.R., 1.47). **Details:** Carburettor, Zenith downdraught; ignition, coil; plugs, AC 48; fuel capacity, 11 gal.; oil filter, AC by-pass.

**TRANSMISSION.**—Clutch, Borg and Beck; overall gear ratios: top, 4.125; 2nd, 6.72; 1st, 12.79; rev., 12.79; prop. shaft, Hardy Spicer; final drive, hypoid bevel.

**CHASSIS DETAILS.**—Brakes, Lockheed-Vauxhall hydraulic; friction lining area, 100.6 sq. in.; suspension: front, independent (coil and wishbone); rear, semi-elliptic; shock absorbers, Vauxhall telescopic hydraulic; tyre size, 5.90-15.

**DIMENSIONS.**—Wheelbase, 8' 7"; track: front, 4' 5"; rear, 4' 6 1/2"; overall length, 14' 4"; overall width, 5' 6 1/2"; overall height, 5' 3 3/4"; ground clearance, 7"; turning circle, 38"; dry weight, 20.9 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 18.4; top gear m.p.h. at 2,500 ft./min. piston speed, 91.8; litres per ton-mile, dry, 3,550.

**PRICES:** Total Basic Velox Saloon .. £759 0s. 10d. .. £535 Cresta Saloon .. £844 0s. 10d. .. £595

**VOLKSWAGEN**

Volkswagenwerk, G.m.b.H., Wolfsburg, Brunswick, Germany.

Concessionaires: V. W. Motors, Ltd., Byron House, 7-9 St. James's Street, London, S.W.1.

**De Luxe Saloon**

**ENGINE.—Dimensions:** Cylinders, 4; bore, 77 mm.; stroke, 64 mm.; cubic capacity, 1,192 c.c.; piston area, 28.8 sq. in.; valves, overhead (push-rod); compression ratio, 6.1:1. **Performance:** Max. b.h.p., 30 at 3,400 r.p.m.; b.h.p. per sq. in. piston area, 1.04. **Details:** Carburettor, Solex downdraught; ignition, coil; plugs, Bosch; fuel capacity 8 1/2 gal.; cooling, air.

**TRANSMISSION.**—Clutch, single dry plate; overall gear ratios: top, 3.6; 3rd, 5.4; 2nd, 8.27; 1st, 15.84; rev., 20.5; prop. shaft, nil (rear engine); final drive, spiral bevel.

**CHASSIS DETAILS.**—Brakes, mechanical (hydraulic on de luxe models only); friction lining area, 81 sq. in.; suspension: front, independent (trailing arms and torsion bars); rear, independent (divided axle and torsion bars); shock absorbers, hydraulic telescopic; tyre size, 5.60-15.

**DIMENSIONS.**—Wheelbase, 7' 10 1/2"; track: front, 4' 3"; rear, 4' 1 1/2"; overall length, 13' 4 1/2"; overall width, 5' 0 1/2"; overall height, 4' 11"; ground clearance, 6 1/4"; turning circle, 36"; dry weight, 14 1/2 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. at 1,000 r.p.m., 20; top gear m.p.h. at 2,500 ft./min. piston speed, 120; litres per ton-mile, dry, 2,025.

**PRICES:** Total Basic Standard saloon £599 13s. 4d. .. £422 10s. De luxe saloon (fixed head) .. £689 12s. 6d. .. £486 De luxe saloon (sliding head) .. £734 19s. 2d. .. £518

**WILLYS**

Willys Motors Corporation, Toledo, Ohio, U.S.A.

Concessionaires: Steele Griffiths and Co., Ltd., 295 Camberwell New Road, London, S.E.5.

**Ace and Eagle**

**ENGINE.—Dimensions:** Cylinders, 6; bore, 79.4 mm.; stroke, 88.9 mm.; cubic capacity, 2,640

c.c.; piston area, 46 sq. in.; valves, o.h. inlet, side exhaust; compression ratio, 7.6:1. **Performance:** Max. b.h.p., 90 at 4,200 r.p.m.; b.h.p. per sq. in. piston area, 1.63. **Details:** Carburettor, Carter downdraught; ignition, coil; plugs, Champion J8; fuel capacity, 15 1/2 gal.

**TRANSMISSION.**—Clutch, single dry plate (Hydra-Matic transmission optional); overall gear ratios: top, 4.1; 2nd, 6.68; 1st, 10.7; rev., 14.5; prop. shaft, open; final drive, hypoid bevel (with overdrive, final drive ratio 4.56).

**CHASSIS DETAILS.**—Brakes, hydraulic; friction lining area, 132.8 sq. in.; suspension: front, independent (coil); rear, semi-elliptic; shock absorbers, double acting hydraulic; tyre size, 6.40-15.

**DIMENSIONS.**—Wheelbase, 9' 0"; track: front, 4' 10"; rear, 4' 9"; overall length, 15' 3"; overall width, 6' 0"; overall height, 5' 0"; ground clearance, 7"; turning circle, 38 1/2"; dry weight, 23 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. at 1,000 r.p.m., 18.9; top gear m.p.h. at 2,500 ft./min. piston speed, 81.0; litres per ton-mile, dry, 3,640.

**PRICES.**—Not generally available in U.K.

**WOLSELEY**

Wolseley Motors, Ltd., Cowley, Oxford.

**Four-Fortyfour**

**ENGINE.—Dimensions:** Cylinders, 4; bore, 66.5 mm.; stroke, 90 mm.; cubic capacity, 1,250 c.c.; piston area, 21.6 sq. in.; valves, overhead (push-rod); compression ratio, 7.25:1. **Performance:** Max. b.h.p., 46 at 4,800 r.p.m.; b.h.p. per sq. in. piston area, 2.13. **Details:** Carburettor, S.U.; ignition, coil; plugs, Champion L10; fuel capacity, 9 1/2 gal.; oil filter, full-flow.

**TRANSMISSION.**—Clutch, Borg and Beck; overall gear ratios: top, 5.125; 3rd, 7.718; 2nd, 11.547; 1st, 19.511; rev., 19.511; prop. shaft, Hardy Spicer; final drive, hypoid.

**CHASSIS DETAILS.**—Brakes, Lockheed hydraulic; friction lining area, 100 sq. in.; suspension: front, independent (coil); rear, semi-elliptic; shock absorbers, telescopic hydraulic; tyre size, 5.50-15.

**DIMENSIONS.**—Wheelbase, 8' 6"; track: front and rear, 4' 2 1/16"; overall length, 14' 5"; overall width, 5' 1"; overall height, 5' 0"; ground clearance, 7 1/2"; turning circle, 32"; dry weight, 23 1/2 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 14.5; top gear m.p.h. at 2,500 ft./min. piston speed, 61.4; litres per ton-mile, dry, 2,410.

**PRICES:** Total Basic Saloon .. £844 0s. 10d. .. £595

**Six-Eighty**

**ENGINE.—Dimensions:** Cylinders, 6; bore, 73.5 mm.; stroke, 87 mm.; cubic capacity, 2,214.8 c.c.; piston area, 39.5 sq. in.; valves, overhead (camshaft); compression ratio, 6.6:1. **Details:** Carburettors, twin S.U.; ignition, coil; plugs, Champion L10; fuel capacity, 12 gal.; oil filter, Tecalemit.

**TRANSMISSION.**—Clutch, Borg and Beck; overall gear ratios: top, 4.55; 3rd, 6.586; 2nd, 10.248; 1st, 14.642; rev., 14.642; prop. shaft, Hardy Spicer, final drive, hypoid bevel.

**CHASSIS DETAILS.**—Brakes, Lockheed (2 L.S. front); friction lining area, 130 sq. in.; suspension: front, independent (torsion bar); rear, semi-elliptic; shock absorbers, telescopic hydraulic; tyre size, 6.00-15.

**DIMENSIONS.**—Wheelbase, 9' 2"; track: front, 4' 6"; rear, 4' 5"; overall length, 14' 9"; overall width, 5' 6"; overall height, 5' 3 3/4"; ground clearance, 7"; turning circle, 41"; dry weight, 24 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. per 1,000 r.p.m., 17.0; top gear m.p.h. at 2,500 ft./min. piston speed, 74.5; litres per ton-mile, dry, 3,260.

**PRICES:** Total Basic Saloon .. £950 5s. 10d. .. £670

**Six-Ninety**

**ENGINE.—Dimensions:** Cylinders, 6; bore, 79.38 mm.; stroke, 88.9 mm.; cubic capacity, 2,639.4 c.c.; piston area, 59.06 sq. in.; valves, overhead (push-rod); compression ratio, 7.3:1. **Performance:** Max. b.h.p., 95 at 4,500 r.p.m.; b.h.p. per sq. in. piston area, 1.61. **Details:** Carburettors, twin horizontal S.U.; ignition, coil; plugs, Champion N8B; fuel capacity, 13 gal.; oil filter, full-flow (Tecalemit or Vokes).

**TRANSMISSION.**—Clutch, Borg and Beck s.d.p.; overall gear ratios: top, 4.1; 3rd, 5.88; 2nd, 8.45; 1st, 13.59; rev., 18.4; prop. shaft, Hardy Spicer open; final drive, hypoid bevel.

**CHASSIS DETAILS.**—Brakes, Lockheed hydraulic (2 L.S. front); friction lining area, 184 sq. in.; suspension, front, independent (torsion bars and wishbones); rear, coil springs and rigid axle; shock absorbers, telescopic; tyre size, 6.00-15.

**DIMENSIONS.**—Wheelbase, 9' 5 1/2"; track: front, 4' 6 3/4"; rear, 4' 6 1/2"; overall length, 15' 8"; overall width, 5' 7"; overall height, 5' 2"; ground clearance, 5 3/4"; turning circle, 37 1/2"; dry weight, 29 1/2 cwt.

**PERFORMANCE DATA.**—Top gear m.p.h. at 1,000 r.p.m., 19.1; top gear m.p.h. at 2,500 ft./min. piston speed, 82; litres per ton-mile, dry, 2,940.

**PRICES:** Total Basic Saloon .. £1,205 5s. 10d. .. £850