

The 22½ M.P.G.\*

# VAUXHALL "25"

*As English as England . . .*

\*Figure certificated by the Royal Automobile Club (Eng.) after a test of no less than 1,009 miles using various makes of petrol purchased at random





## A 25 HORSE-POWER ENGLISH CAR AT LITTLE OVER £400

The Vauxhall '25' comes as a real surprise to people accustomed to the idea of English cars of 20 h.p. or more being priced in most cases nearer £500 than £400. In the Vauxhall '25' England has produced a car that is not only more than comparable in power, size and comfort with foreign cars of 20 to 30 horsepower, but one that shows owners an advantage of from £20 to £50 over all but the very lowest priced of such cars. How completely the Vauxhall '25' meets Australian owners' requirements is indicated in its specifications of which these are but the highlights:

**25 h.p. engine of Overhead Valve Design . . . Six Cylinders . . . 3 Speed Transmission . . . Synchro-mesh Gears . . . Hydraulic Brakes . . . Independent Front Wheel Springing . . . Uni-steel Body by Holden with de luxe appointments throughout and capacious rear trunk.**

### Body by Holden with Appointments de Luxe

When you examine the value offered by the Vauxhall '25' be sure to compare the car with higher priced de luxe models of other cars, **not** with the low priced models some cars advertise as a "draw." Then the saving of a Vauxhall '25' will become even more marked. Standard equipment on the Uni-steel Body by Holden of every Vauxhall '25' Saloon is:

**Relax-o-form Seat Springing . . . Multi-adjustable Driver's Seat which, in combination with the Adjustable Steering Wheel, gives a feeling of made-to-measure comfort . . . Armrests in both front and rear . . . No-Draught Ventilation . . . Dual Electric Windscreen Wipers . . . Dual 2-way Sun Visors . . . Vanity Mirror in passenger's Sun Visor . . . Glove Box . . . Pockets in all doors . . . Carpets in both front and rear . . . Assist Loops . . . Corded Silk Robe Strap . . . Interior Door and Window Handles of Chrome and Tenite, etc.**



Multi-Adjustable Front Seat

No-Draught Ventilation

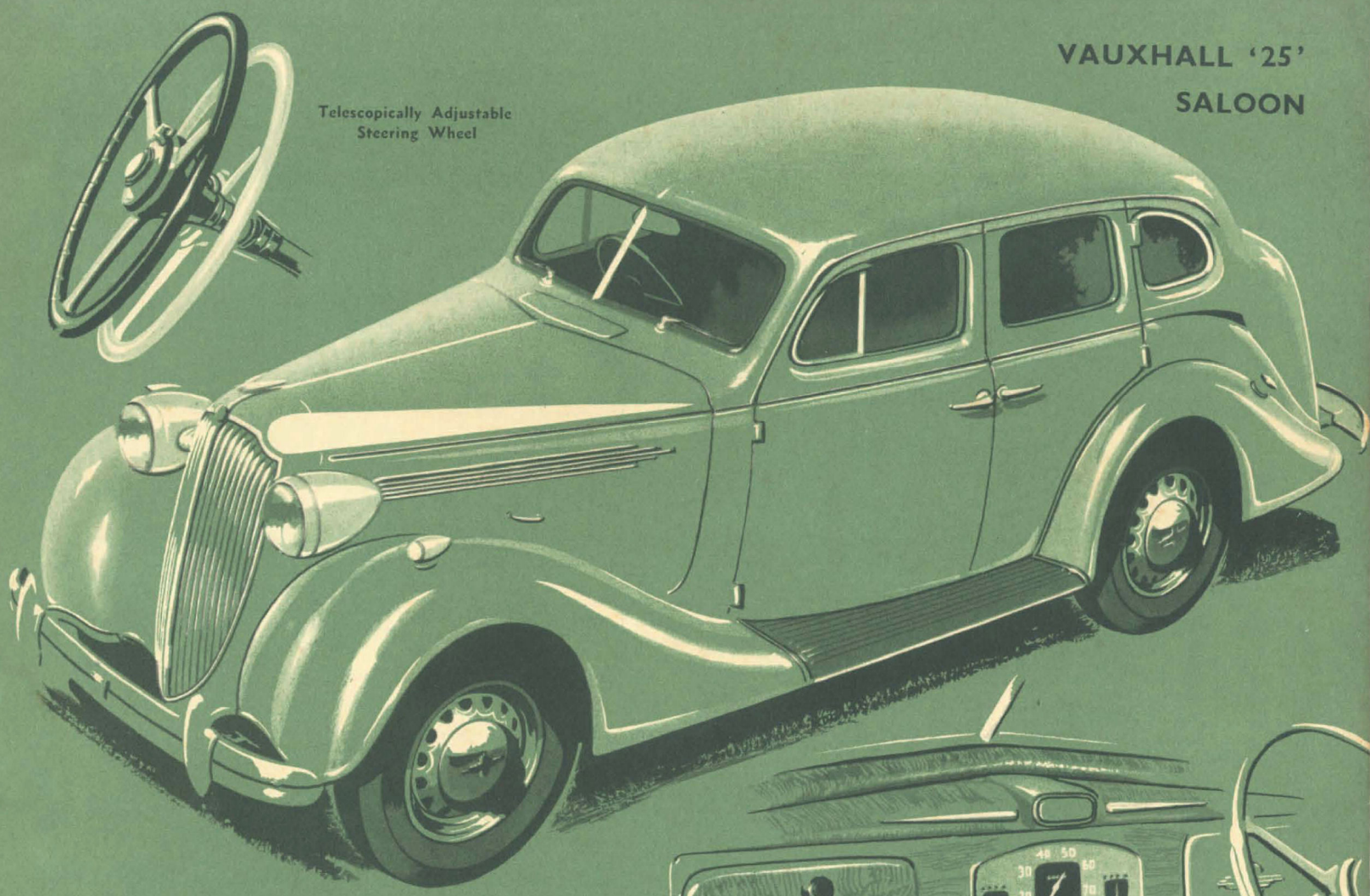


Relax-o-form Seating

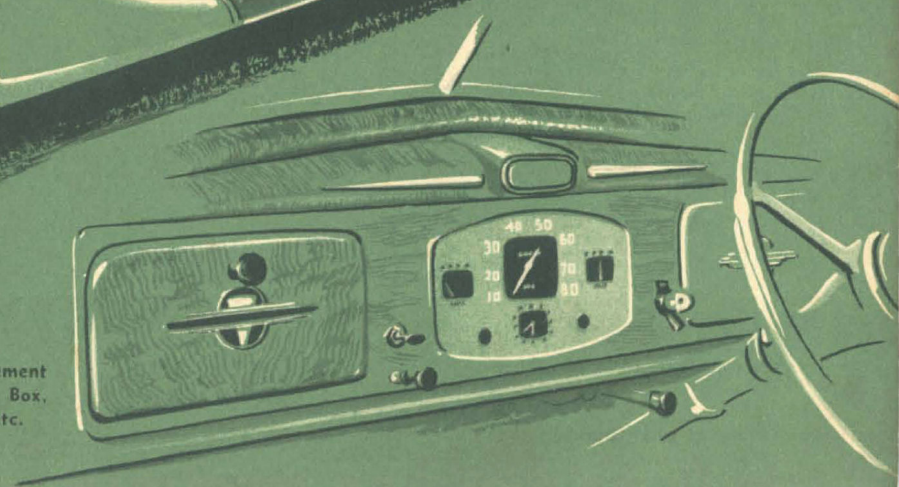


VAUXHALL '25'  
SALOON

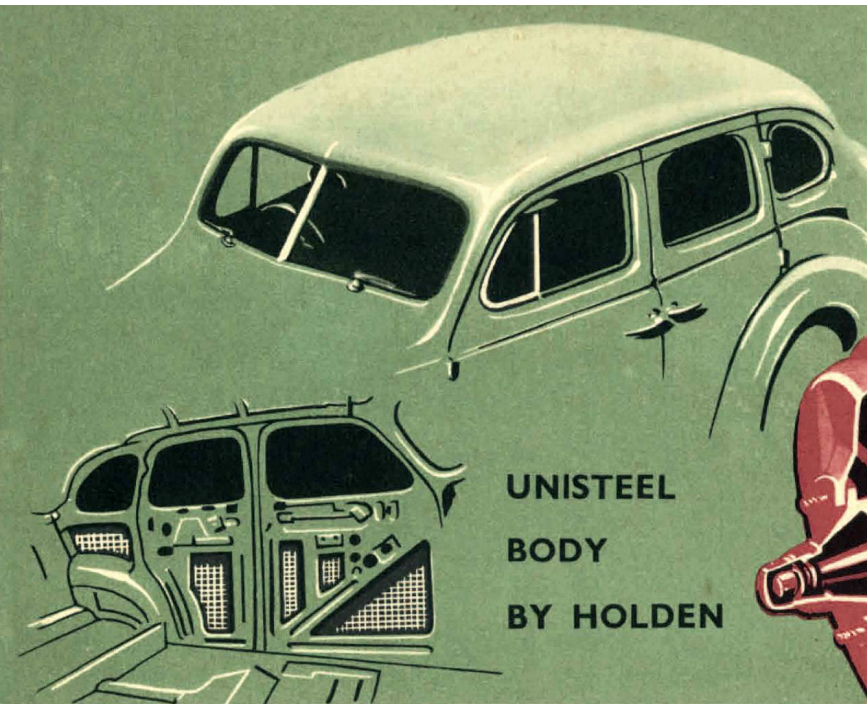
Telescopically Adjustable  
Steering Wheel



Vauxhall's well designed Instrument  
Panel is complete with Glove Box,  
Eight-day Clock, Ash Tray, etc.







**UNISTEEL  
BODY  
BY HOLDEN**

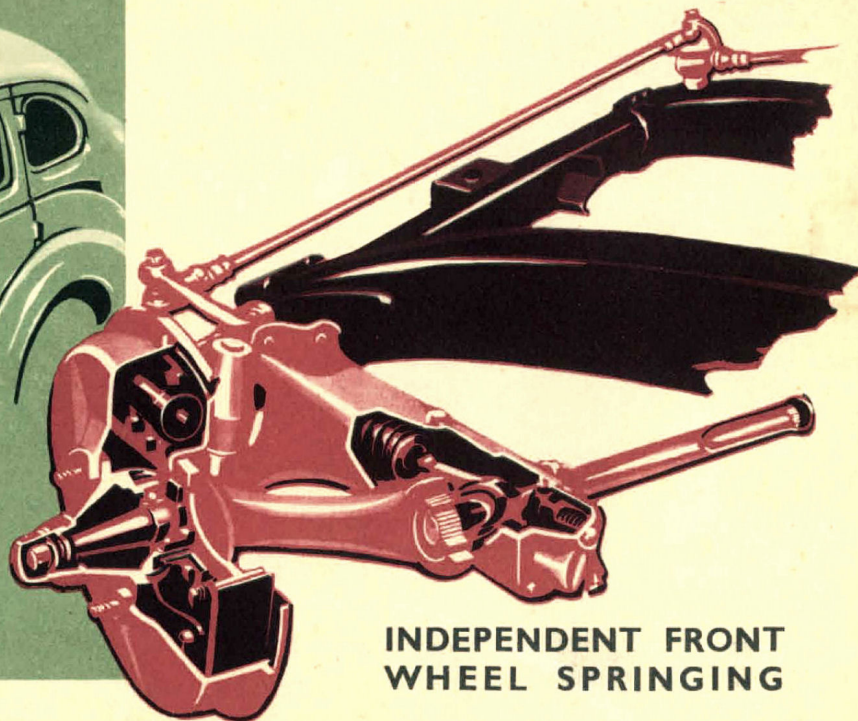
**Produced by Australia's greatest Body Plant**

The unrivalled resources of the great 40-acre Holden Body Plant at Woodville, South Australia, have produced for Vauxhall an inimitable steel body.

Walk up to this new Unisteel Body. Open one of its big doors. Slam it—**hard**. Hear that deep solid sound? It's the most substantial sound in cars to-day—the new solidity of outer and inner steel door panels, steel hinges, steel pillars and steel cowl. Now step on the running board and look over that Turret Top. Note the unyielding rigidity of that seamless crown of steel. Then get into the car. Stamp on that solid steel floor. Here is the same welcome strength of a body in which floor, cowl panels and roof are one integral structure, welded at all joints, without the use of a single bolt, screw, rivet or nail.

Finally, take your place at the wheel, try it on the open road and note how weaving and body-squeaking are banished and noise eliminated. Floor, roof and sides of this new Unisteel body are all insulated against sound. You ride relaxed and rested . . . enclosed in silence . . . in a luxury you have never before experienced in any car . . . of any cost.

This new Unisteel Body of the Vauxhall '25' is the greatest advance in motor car construction to-day. It means new safety, new comfort . . . and new long life for your car, it braces it and assists it to resist the shocks and torsional strain that are exerted with every hundred yards you drive.



**INDEPENDENT FRONT  
WHEEL SPRINGING**

**of T.T. type . . . providing 2 rates of springing**

The Vauxhall '25' incorporates a type of Independent Front Wheel Springing with important new features. The system has been called the T.T. type because it embodies a torsion bar and torsion tube and possesses these advantages:

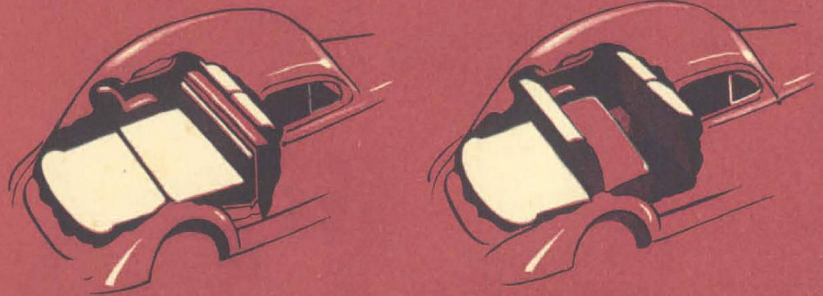
Firstly all working parts are completely enclosed and operate in an oil-bath. Secondly the system provides soft springing for good roads and stiffer springing for bad ones. The wheel carrier arm on which the wheel moves up and down, is fixed to a torsion bar which then passes through a torsion tube at the end of which it is rigidly fixed. As the wheels rise and fall with the irregularity of the road surface, they try to twist the bar and tube. The wheels are assisted in this action by a powerful coil spring which bears on to a toggle, which is set at right angles to the torsion bar.

Thanks to the action of this coil spring the flexibility of the action is excellent. On rough roads however, where the movement of the wheels is greater, the torsion bar twists and removes the toggle beyond the effective limit of the coil spring. Springing is thus "stiffened." The effect of this dual-rate springing in conjunction with the double-acting hydraulic shock absorbers is to give the utmost in comfort under all road conditions.



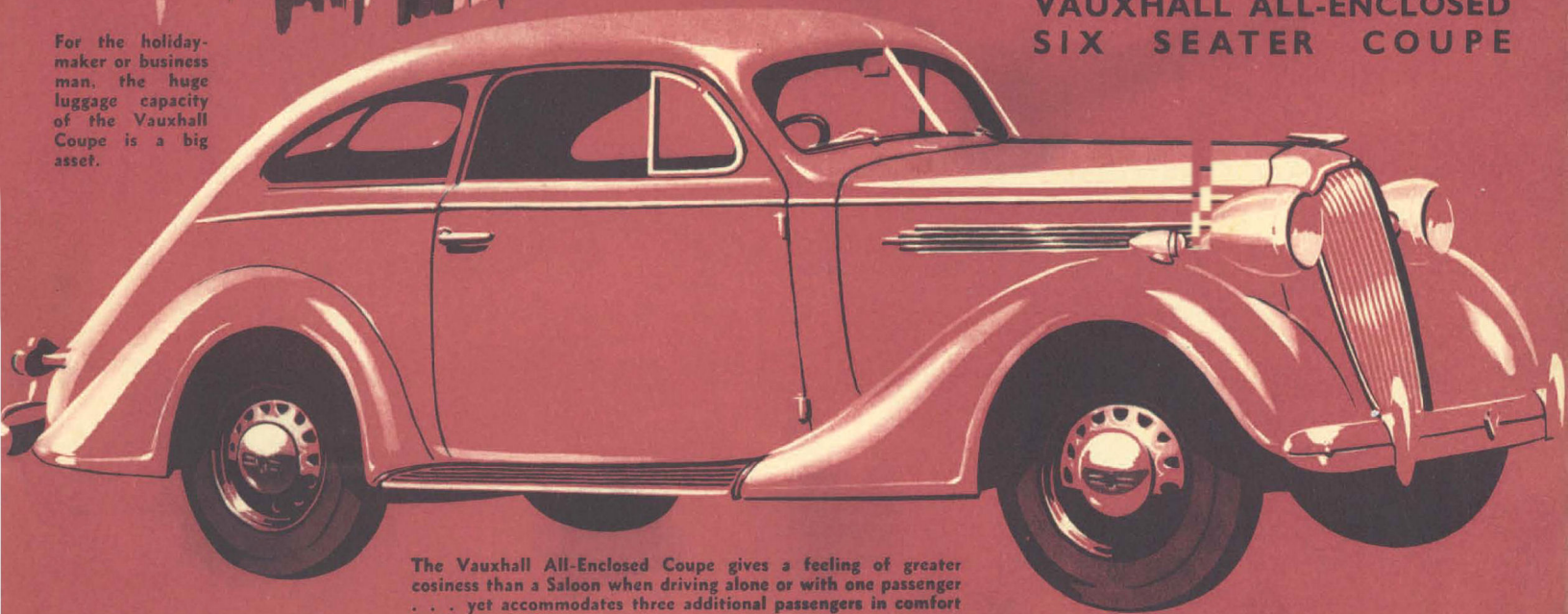


For the holiday-maker or business man, the huge luggage capacity of the Vauxhall Coupe is a big asset.



The diagrams above show how the rear seat lowers to make the whole back of the car available for luggage.

## VAUXHALL ALL-ENCLOSED SIX SEATER COUPE



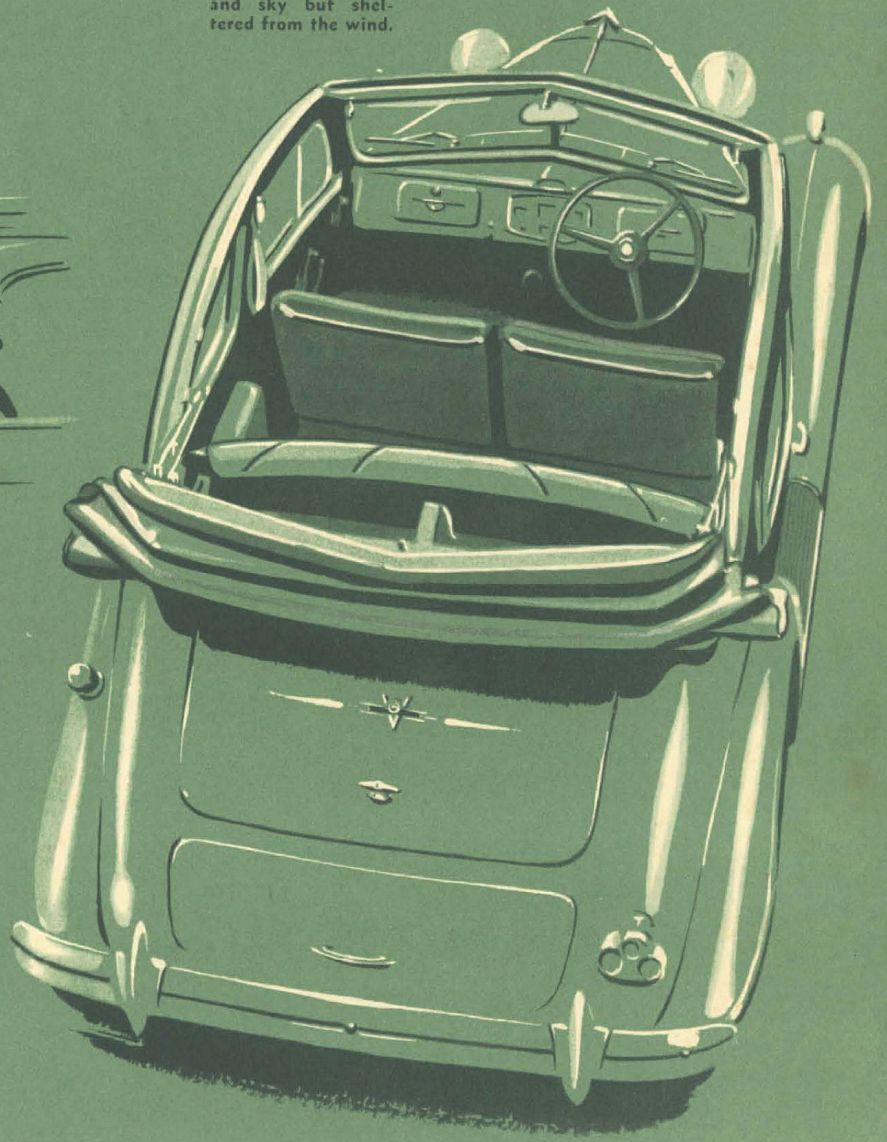
The Vauxhall All-Enclosed Coupe gives a feeling of greater cosiness than a Saloon when driving alone or with one passenger . . . yet accommodates three additional passengers in comfort in the rear seat.





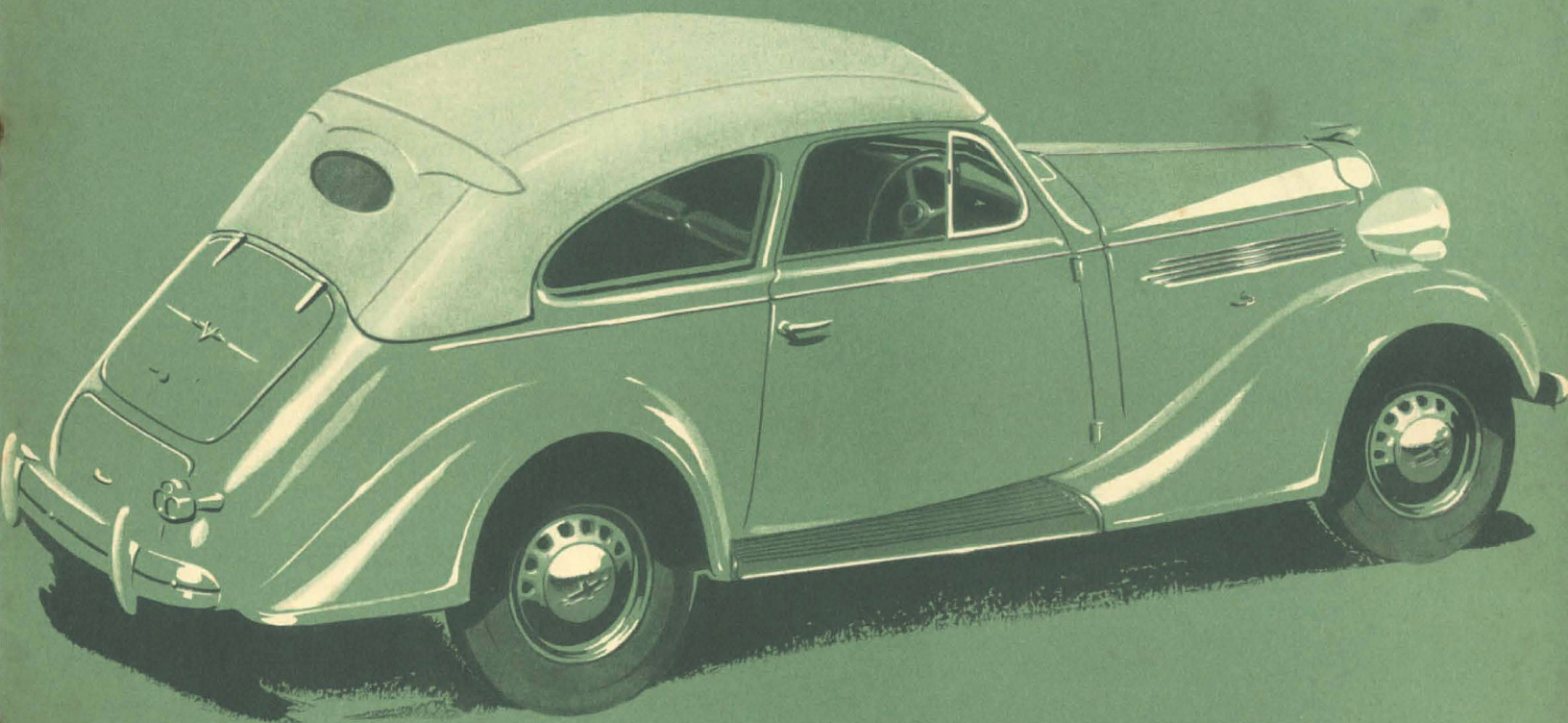
Now you can enjoy scenery to the full without craning out of windows to see

Open to the sun and sky but sheltered from the wind.



One of the release catches of the ingenious hood



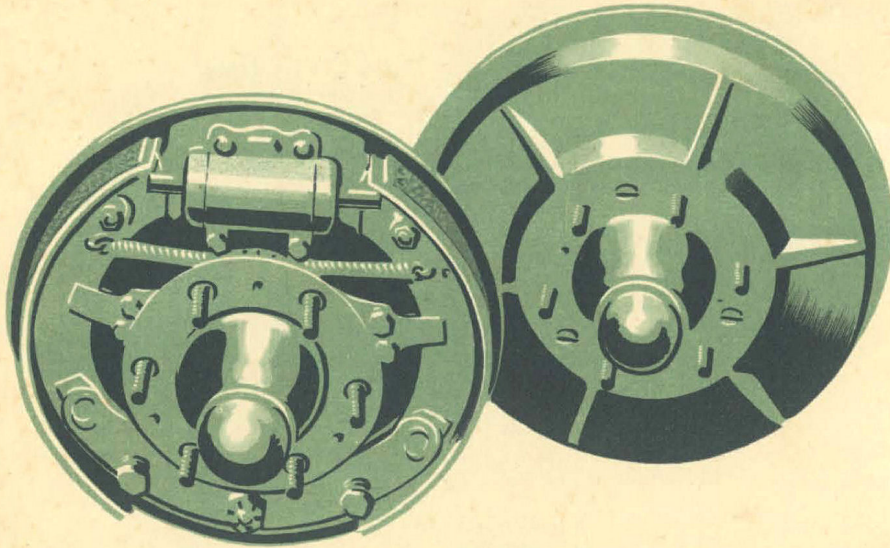


**An entirely new body style . . . VAUXHALL CONVERTIBLE COUPE  
inspired by costly custom-built convertible bodies seen abroad**

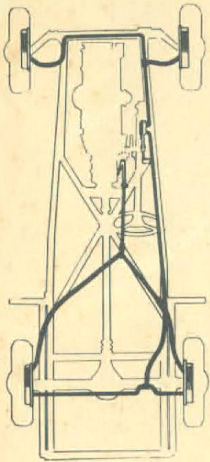
On the Vauxhall '25' Holden engineers introduce to Australia a body style, the like of which has hitherto been seen only on a few costly cars individually imported into this country. Abroad the convertible body style is justly popular, giving as it does the snugness of a closed car on inclement days, with the advantages of an open car on days when the owner wishes to enjoy a maximum amount of air and sunlight. Inside the car you would never suspect that you were in any other body style than a saloon. The roof is lined with beautifully tailored head lining cloth as in a saloon. But release the three stout chromium plated catches at either side and centre

of the top of the windscreen and the whole hood can be pushed right back. From the illustration at the left you can gain an idea of the comfort of motoring in this Convertible Coupe Vauxhall '25'. With the top down, but the protection of windows all round, you can enjoy sun and scenery, and talk in comfort without "being blown to pieces" as you would be in an ordinary tourer with its low sides. Smart, sporty, exclusive, the Vauxhall Convertible Coupe will find immediate favour both with those who wish for something distinctive, as well as people who like to get out into the open country in their cars.





## SUPER SAFE HYDRAULIC BRAKES



Leakage or breakage in the pipe lines of the hydraulic braking system of modern cars is admittedly unlikely. But Vauxhall's Hydraulic Brakes take care of even this contingency. In the event of damage to either front or rear pipe lines, you are not left dependent on your hand brake, as either front or rear wheel brakes are able to operate independently of each other. If you will look into the diagram at left you will see that the pipe lines from front and rear brakes enter the Master Cylinder independently. The mechanism in this Master Cylinder is such that if a breakage has occurred in the front pipe lines, the pressure on the braking fluid in rear pipe lines will remain unaffected and vice versa.

The brakes themselves have self-energizing shoes reducing the amount of pedal pressure neces-

sary. The brake linings are of extra thickness to give long life while the shoes are adjustable to take up wear by simply turning two exterior nuts on each brake drum dust shield.

### "ARMOURPLATE" GLASS

Vauxhall supplements the protection of its rigid Unisteel body with "Armourplate" Safety Glass in all side windows as well as the windscreen. You can drive with confidence in the Vauxhall '25' free of the haunting fear of the flying fragments of glass that can follow even quite a minor accident when car windows are of ordinary glass. Even though "Armourplate" Safety Glass will break under a violent blow, there is no splintering. The whole pane of glass simply crumbles into countless, tiny blunt-edged pebbles of glass and tumbles harmlessly from the frame.



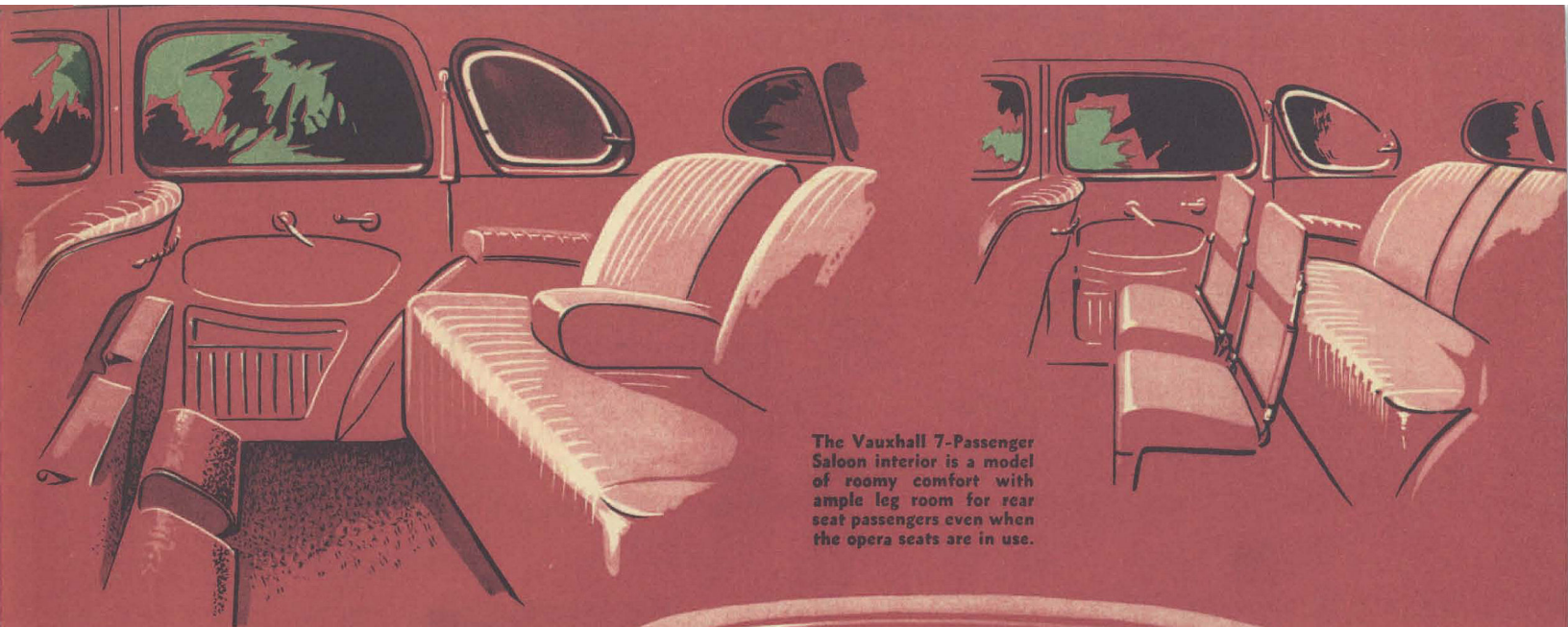
## VAUXHALL '25' 7-PASSENGER

For those whose requirements call for a 7-passenger Saloon, Vauxhall provides a sumptuous senior model of the Vauxhall '25' on a wheelbase of 130 inches at a price that is literally amazing to those accustomed to the cost of English cars of these dimensions. The Vauxhall 7-Passenger Saloon is indeed priced in Australia at just a few pounds more than the figure at which it is available in Piccadilly Motor Showrooms. The reason is that Vauxhall's association with Holden's allows of economies that are not possible in the case of the importation of entire cars.

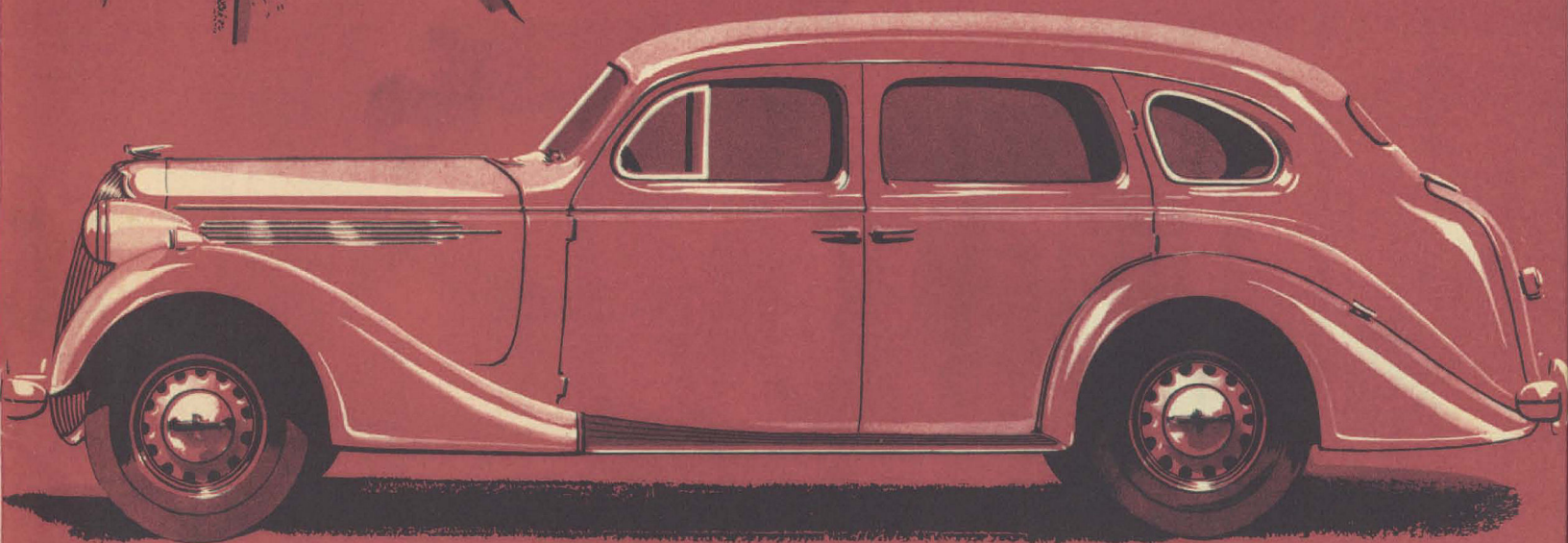
The Vauxhall 7-Passenger Saloon is generously dimensioned with a luxurious distance between the driver's and the rear seat. Even with the occasional seats, which fold away behind the front seat, in use, there is comfortable leg room for rear seat passengers. Here's a car that will accommodate five in luxury . . . seven in comfort . . . a car eminently suitable for social occasions, yet so much more economical than the usual 7-seater car, that it can be used without restriction.

Incidentally for those who wish for the individuality of a custom-built body this model is available as a chassis only.



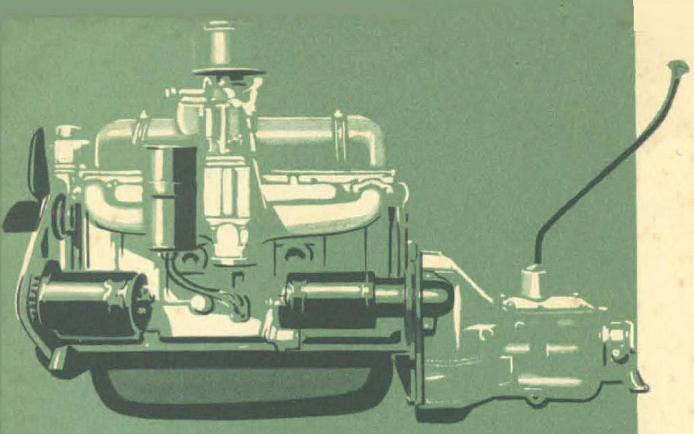


The Vauxhall 7-Passenger Saloon interior is a model of roomy comfort with ample leg room for rear seat passengers even when the opera seats are in use.



VAUXHALL 7-PASSENGER 130 INCH WHEELBASE SALOON





**THE VAUXHALL '25' ENGINE**

is notable for its quick power development. One of the reasons is its scientifically designed combustion chambers which give fully progressive and complete combustion, extracting the last ounce of power from every charge of mixture. Oval Ground Pistons are another reason. Circular pistons do not expand in a perfect circle, so Vauxhall engineers evolved a special method of grinding pistons so that they are slightly oval when cold, but expand to as near as possible a perfect circle when the engine is running, giving more perfect power seal. Double valve springs check "valve bounce" again ensuring better compression. Improved vaporization, too, is secured by Vauxhall's Six-phase Carburettor (described below) and the thermostatic mixture conditioning. When the engine is cold, heat from the exhaust gases is used to warm the ingoing mixture, a control valve automatically allowing the heat to pass straight through the exhaust system when the engine warms up.

**A 3-SPEED TRANSMISSION**

will make you feel thoroughly at home in your Vauxhall '25' even if you have not before driven an English car. Genuine Synchro-mesh Gears are used in all forward gears, ensuring silence of operation and noiseless gear changing even for the novice.

**SIX-PHASE CARBURETION**

is one of the biggest reasons for the petrol economy of the Vauxhall '25'. Instead of three mixtures provided by the ordinary carburettor (for starting, idling and general running) Vauxhall's six-phase carburettor gives six—one for starting, one for idling and four for general running. These four mixtures are: 1. Part throttle, steady running; 2. Part throttle, accelerating; 3. Full throttle, steady running; 4. Full throttle, accelerating. Thus automatically you get the correct economical mixture for each type of running instead of one mixture as with the ordinary carburettor. In the Royal Automobile Club (Eng.) Test over 1,009 miles the Vauxhall '25' gave 22.48 m.p.g.

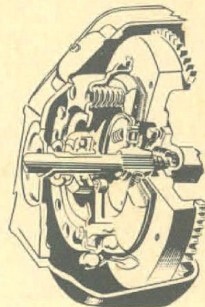
**VAUXHALL'S CRANKSHAFT VIBRATION DAMPER**

works in conjunction with the statically and dynamically balanced crankshaft to give a smooth vibrationless flow of power.



**VAUXHALL'S CENTRIFUGALLY LOADED CLUTCH**

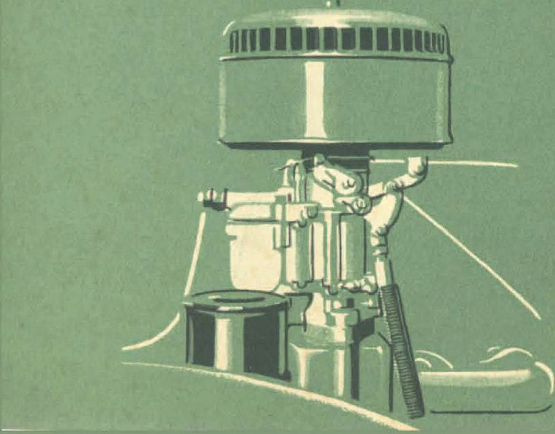
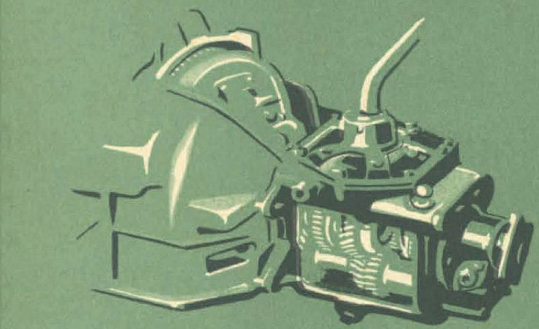
At high speeds when the most positive engagement of a clutch is necessary, the clutch fingers of Vauxhall's centrifugally



controlled clutch supplement the clutch springs assuring that the clutch faces grip tightly, saving slip and loss of power. At slower speeds the clutch springs alone function so that in traffic, etc., constant use of the clutch does not bring about undue driving fatigue.

**A LONG LIST OF ENGINEERING REFINEMENTS**

Space does not permit a full description of all the engineering refinements incorporated in the Vauxhall '25's' engine. There are many such as . . . exhaust valves of non-burn steel . . . spray cooled valve seats . . . full depth water jackets . . . thermostatically controlled radiator . . . full pressure lubrication including the piston pins which are lubricated under pressure through oil passages rifle drilled up through the connecting rods, a fine car engineering practice obtainable in few cars of Vauxhall's price class.





# ACCESSORIES

## THAT WILL PERSONALIZE YOUR NEW '25'

Although you will find the Vauxhall '25' is completely equipped, there are desirable accessories which will greatly add to the pleasure of your motoring. Who could say "No" to an 'Air Chief' Car Radio for instance? Warranted by National Automotive Service Company (a division of General Motors-Holden's Limited), the 'Air Chief' Car Radio is specially designed for the '25'—provision being made in the car design to instal the radio unit, the speaker, aerial and the special controls which match the styling of the instrument panel.

The 'Air Chief' Car Radio is a 6-valve super-heterodyne, employing one dual-purpose and one triple-purpose valve—thus giving 9-valve performance, better than many home console sets. The 'Air Chief' gives a long range day-light reception (the Melbourne Cup description was easily picked up in Central Australia) and it has automatic tone and volume control. An entirely new feature in car radio design is the Acoustinator, a "mechanical ear" which fits on the instrument panel handy to the controls. It can be adjusted to four positions—voice, music and bass which give you the correct reproduction for the type of programme to which you are listening, and a fourth position which shuts out electrical interference and atmospheric disturbances.

The speaker fits neatly above the windscreen flush with the roof in coupe and saloon models, and you may have either an under running-board aerial or one of the new stylish over-head aerials. The price of your 'Air Chief' Car Radio can be included in the terms payment if you are taking advantage of the convenient, confidential C.M.A.C. Payment Plan.

In addition to the controls of the 'Air Chief' on your instrument panel, there are three other in-



terior accessories which add greatly to the pleasure and convenience of driving your new '25'.

One is the Vanity Mirror shown in the illustration which clips to either interior sun visor. This mirror has six ground glass spaces at the sides on which you can conveniently note travel data such as oil change, mileage, etc. The next is the handsome De Luxe Gear Lever Knob which imparts a new touch of beauty to the car interior. And then there is the Inspection Lamp which plugs into the instrument panel—it is valuable for emergencies even to the extent of being used as an emergency tail lamp.

The Hand Brake Extension Handle is very convenient for driving comfort. Its translucent finish harmonizes with all interior finishes.

A preparation you will be wise to keep in your garage is Nasco Radiator Rust Preventative, a compound which has already been added to the cooling system of your Vauxhall when you take delivery. It keeps the radiator clean, ensures efficient cooling and needs replacement only after the radiator is drained.

And finally, a word about the duco finish of your new Vauxhall. If you are an owner who takes a pride in keeping his car spick-and-span, you will see more result for your effort if you use Nasco Duco Cleaner and Polish. This preparation does the two-fold job of removing the dull coating of traffic film and then imparting a brilliant lustre.

All these worth-while low-priced accessories are available from any Vauxhall Dealer. We list below for your convenience other accessories which space does not permit us to describe.

Inset Screens for No-Draught Windows, NASCO Leather Cleaner and Polish, NASCO Chromium Cleaner and Polish, Doorease, Kool Kooshions, Rubber-bladed Electric Fan.



# VAUXHALL'S ENGINEERING LEADERSHIP

## IS EVIDENT IN THESE SPECIFICATIONS OF THE VAUXHALL '25'

**ENGINE:** Six cylinder rated at 24.97 H.P. and developing 82 H.P. at 3,400 revolutions per minute.

Noteworthy Characteristics: Overhead Valve design—conceded to be 10 per cent. more efficient than other types, as well as more accessible for adjustment. The natural efficiency of the Vauxhall '25' engine is heightened by its scientifically designed Combustion Chamber, and Vauxhall's special Six-phase Carburettor. Full pressure lubrication extends even to the piston pin bearings, Vauxhall following standard fine car practice of rifle drilling connecting rods with oil passages to carry lubricant under pressure to the piston pins—a long-life feature omitted in many volume selling cars. Full length water jackets and thermostatically controlled flow from the radiator assure perfect cooling. Oval ground pistons give a more thorough power seal. Micrometer adjustment ignition is an economy feature found in few competitive cars.

**GEARBOX:** Genuine Synchro-mesh Gears—3 speed design is favoured by Australian owners.

Note: There are cars with so-called "easy change" gears, and others with Synchro-mesh Gears in 2nd and Top. The Vauxhall '25's' transmission is genuine Synchro-mesh in its all 3 forward gears. All 3—1st, 2nd and Top—mesh smoothly and silently, automatically. An interesting point is that while 1st, 2nd and Top are arranged on the conventional 3-speed plan, Reverse is placed along side 1st, so that in making a swift change up from 1st to 2nd it is impossible to overreach neutral. The chance of gliding into Reverse when intending to engage

1st gear too, is precluded by a spring loading which resists the gear lever moving sideways past the 1st position.

**CLUTCH:** Dry platetype with centrifugally governed spring loaded centre.

Note: The advantages of the Vauxhall '25's' clutch automatically increasing in the firmness of its engagement at higher engine speeds, is explained elsewhere.

**FRONT SUSPENSION:** Independent Springing on the front wheels, T.T. Type. (See interior pages.)

Note: Owners are enthusiastic of the cornering ability of the Vauxhall '25'—its stability on curves and corners and the feeling of absolute confidence it gives. An owner who has considerable experience with practically every make of modern car said it corners better than any of them.

**REAR SUSPENSION:** Semi-elliptic leaf springs with silent-bloc rubber bushes. Each spring is enclosed with the exception of the eyes and a short central section, by a gaiter made in halves. This retains a special lubricant injected through two nipples and excludes mud and moisture.

Note: The length of the Vauxhall '25's' rear springs—53½ inches—and the consequent riding qualities, are made possible by Vauxhall's Independent Front Springing. With a conventionally sprung car, it is not possible to have springs of such flexibility as Vauxhall's in the rear. The reason is that stiff conventional front leaf springs

would throw back the weight of the car to the rear springs which, in turn, would flatten out unduly and cause bad re-coil.

**BRAKES:** Lockheed Hydraulics on all four wheels.

Note: See elsewhere for description of the Dual-Safety function of Vauxhall's Hydraulic Brakes.

**EQUIPMENT:** Armourplate Safety Glass in windscreen and all side windows. Bumpers front and rear. Tool kit. Roomy Inbuilt Luggage Trunk. Separate Spare Tyre Compartment. Improved No-Draught Ventilation. New-type Adjustable Driver's Seat. Adjustable Steering Wheel. Electric Windscreen Wipers (Dual). Chrome and Tenite Interior Handles. Relax-o-form Seats. Glove Box. Provision for Radio. Two-way Sun Visors (2). Visor Vanity Mirror. Corded Silk Rug Strap. Carpeted Footrest. New, tasteful treatment of upholstery in narrow pleated English style. Large Cowl Ventilator with insect screen. Dual Horns. Armrests in both front and rear. Pockets in all Doors.

**INSTRUMENT PANEL:** Indirectly lighted and fitted with speedometer, 8-day clock, electric petrol gauge, ammeter, electrically operated oil warning light, ignition warning light, mixture control, engine switch and charging and lighting switch.

DIMENSIONS:	'25'	7-Pass.
Wheelbase . . . . .	9' 3"	10' 10"
Track, front . . . . .	57½"	57½"
rear . . . . .	57½"	57½"
Overall width . . . . .	5' 11½"	5' 11½"

The right is reserved to alter any details of price, specification, or equipment without notice.

### G.M.A.C. CONFIDENTIAL PAYMENT PLAN

When you acquire your Vauxhall under the G.M.A.C. Confidential Payment Plan you enter into business relations, not with an outside finance organization, but with a Company which is a unit of General Motors and thus has a direct interest in maintaining your satisfaction. Because General Motors Acceptance Corporation is the largest Hire Purchase Institution in the world, it is able to offer low rental charges and to arrange a Payment Plan fitted to your individual requirements. Your local dealer can explain the G.M.A.C. Plan to you and arrange your payments on a basis convenient to you.

### SERVICE

You are protected in two ways when you choose a Vauxhall. 1. By General Motors-Holden's Owner Service Policy which protects you for ninety days or 3,000 miles of operation against

defective workmanship or material, during which time you are entitled to two thorough inspections and adjustments without charge. 2. By Vauxhall's widespread service and spare parts facilities . . . easily the most extensive of any English car in Australia.

### FOR VISITORS TO ENGLAND

Going to England? Here then is a plan under which you can buy a Vauxhall for immediate delivery when you land in England (at the boat if you wish) and afterwards trade it in (on a new Vauxhall to be delivered to you on your return to Australia). Your Vauxhall dealer can explain the plan under which the Home Sales Department will gladly make all necessary arrangements for registration, insurance, licence, delivery, warranty and service.

**GENERAL MOTORS — HOLDEN'S LIMITED**

BRISBANE

SYDNEY

MELBOURNE

ADELAIDE

PERTH