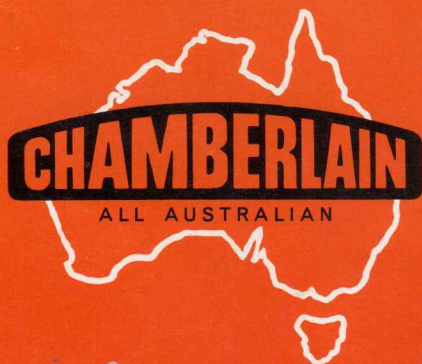


\$6345 at Wellington



CHAMPION 306

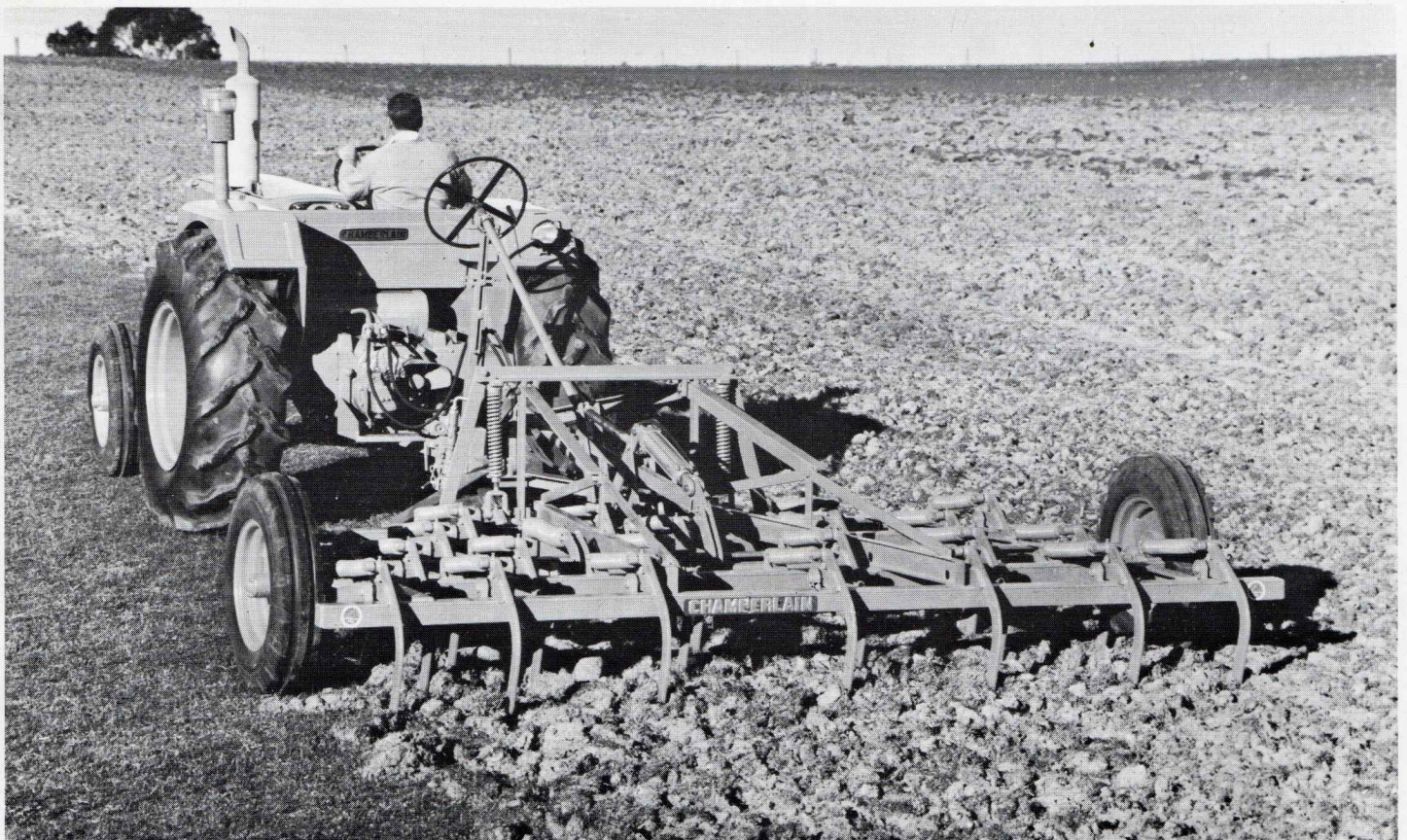
CHAMPION 306

This giant of the medium horsepower class handles the big implements and big acreages without a whimper. From daybreak to dark—or right around the clock—it will handle your implements more easily, smoothly and economically.

*Let Champion 306 help you to greater production, greater profit.
Get a field test today—there's a model just right for your needs.*

HARNESS UP THIS WORKHORSE FOR PEAK ECONOMY ON BIG ACREAGES

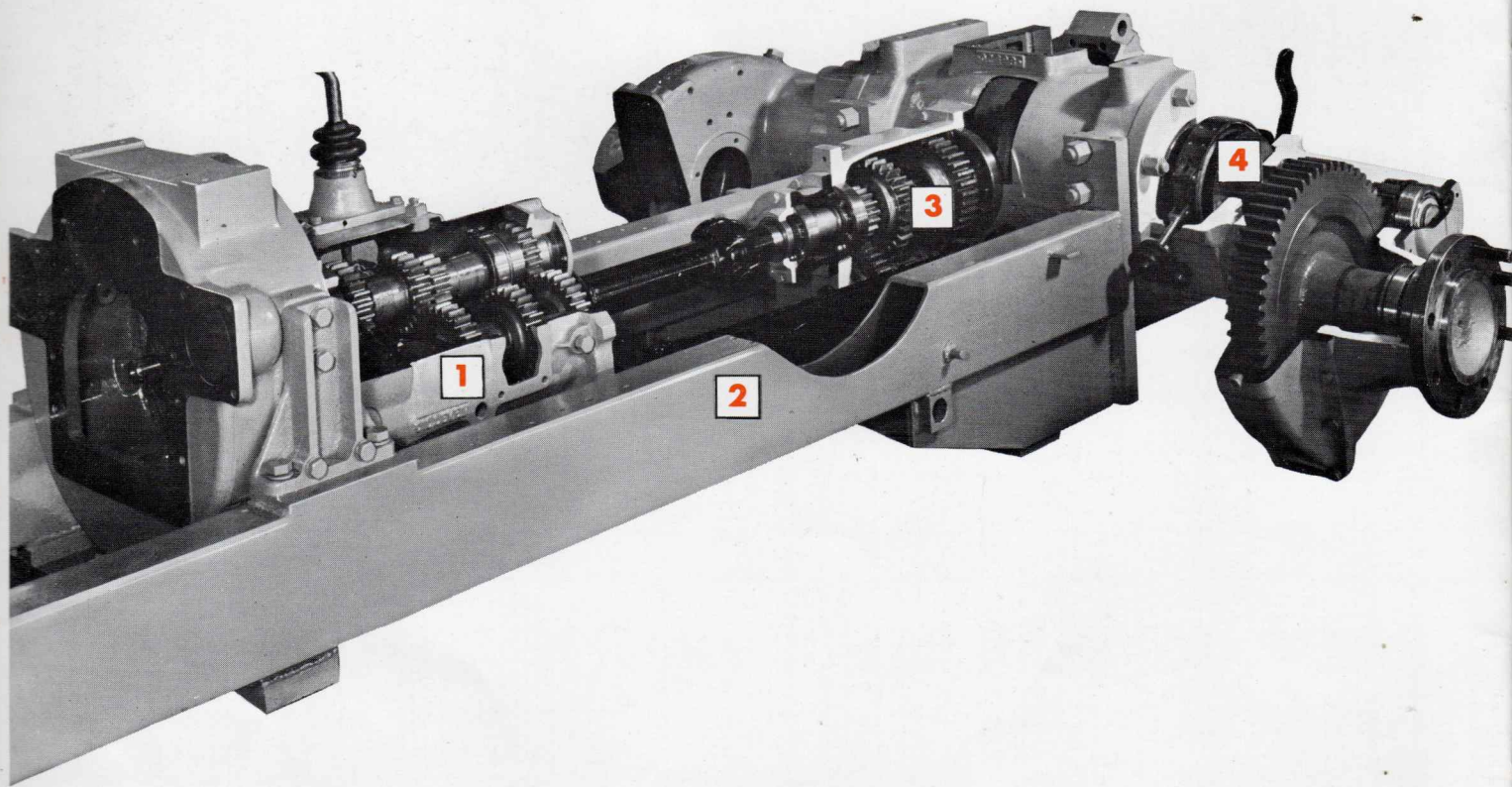
The properly balanced distribution of its hefty 9757 lb. operating weight, combined with big 18.4 x 30 rear tyres (plus duals for soft conditions) gives Champion 306 positive weight transfer and unsurpassed traction in handling your big loads.



TRANSMISSION IS SIMPLE, ROBUST AND SMOOTH—GIVES

Simple in concept, modern and designed for quiet performance, the transmission of the Champion 306 is built big and strong for long life and dependable service.

Cradled in a full length main frame, the transmission units are installed independently and can be easily removed for routine overhauls.



1 Rugged primary gearbox

The primary gearbox is built big and rugged with high capacity bearings, shafts and gears. Crown shaved gears and a wet spline design on output shafts contribute to the smooth, quiet operation and long life. The P.T.O. drive train is a new heavy duty assembly ensuring complete dependability.

2 Mighty main frame

The main frame, of 6" x 3" rectangular hollow section steel, provides a rigid and solid foundation into which the engine and transmission are installed.

3 Smooth secondary gearbox

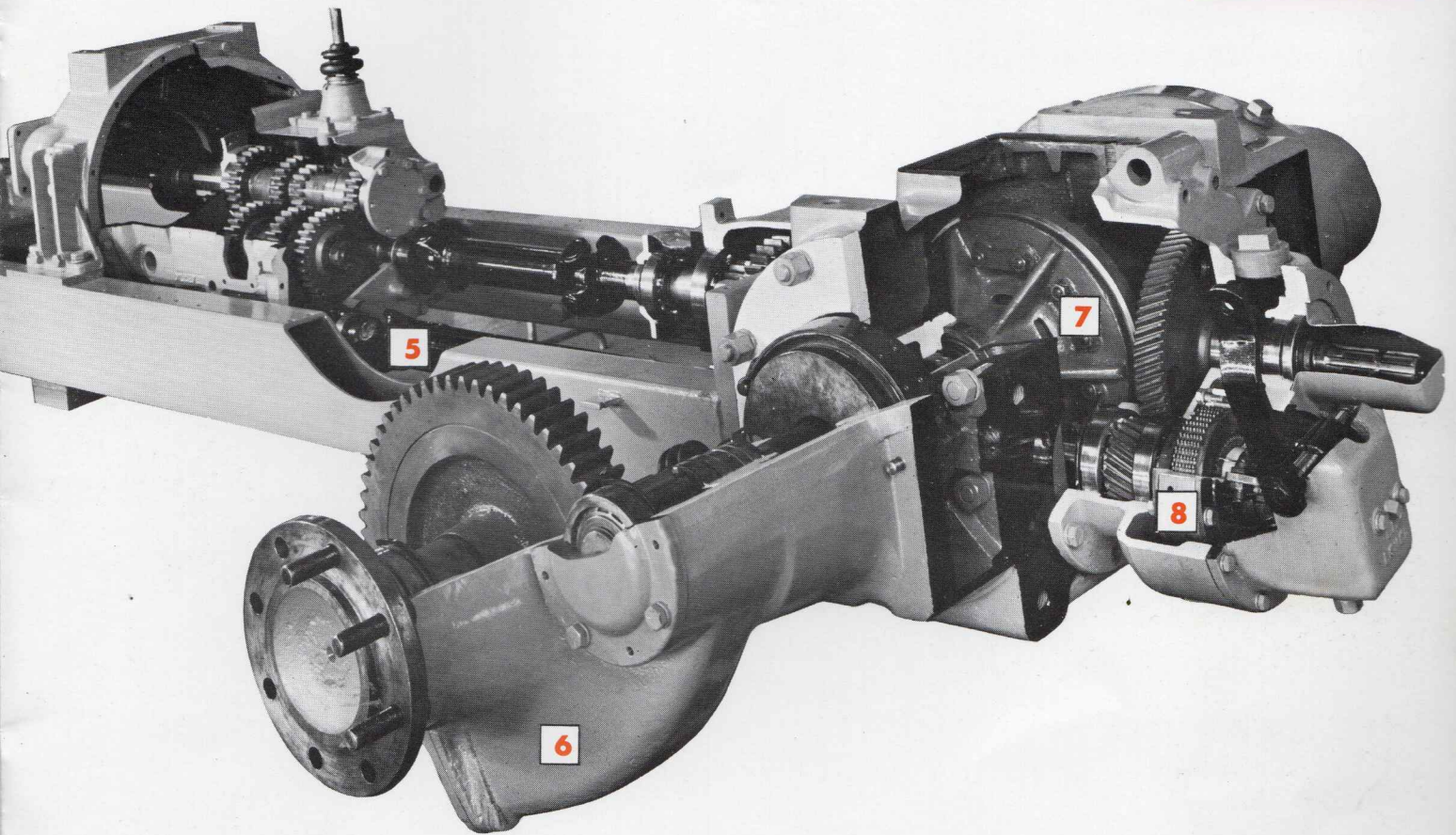
Features of the secondary ratio gearbox are the crown shaved fine pitch gears which give quiet, smooth operation coupled with a long service life. The ratio change lever is conveniently located at the driver's left hand.

4 New disc/band brakes

Fully energised in both forward and reverse direction of travel, the new disc/band brakes provide positive controlled stopping power. They can be latched to act as a parking brake.

LONG, QUIET, TROUBLE-FREE PERFORMANCE

CHAMBERLAIN



5 New P.T.O. drive

The P.T.O. shaft is complete with an advanced rubber muff arrangement which absorbs torsional vibrations and ensures silent operation.

6 Robust final drive housings

Rigid one-piece housings for the final drives provide great strength and facilitate quicker and easy routine overhauls. Bullgears are forged from nickel molybdenum and are splined to new design axles forged complete with integral hubs.

7 Low stressed differential assembly

The differential assembly, with high capacity crown wheel and pinion, is generously oversize in every part. This massive low stressed assembly works easily, ensuring a long operating life.

8 Rugged P.T.O. clutch

A new high in P.T.O. operation is set by the multi-plate, oil immersed clutch. The spline shaft is to the A.S.A.E. standard of $1\frac{3}{8}$ " 6B. Shaft speed is 540 r.p.m. at an engine speed of 1600 r.p.m.

CHECK THESE 19 BIG FEATURES THAT MAKE CHAMPION

1 Clean modern styling

The functional styling combines simplicity with easy accessibility. Its clean cut, uncluttered appearance will not date and ensures a higher value at trade-in time.

2 Convenient hinged service hood

This hood provides total accessibility to radiator, engine and batteries for routine daily maintenance, saving time and ensuring low cost service.

3 Efficient spark arrestor/muffler

This unit combines a fully approved spark arrestor with a muffler which has been scientifically designed to control the sound frequencies most critical to the human ear.

4 Efficient pre

At harvest time, the pre-cleaner screens dust particles into the allows cleaner dust particles.

8 Alternator electrical system

Starting and lighting systems feature two 12-volt, 21 plate batteries. The alternator and transistorised regulator provide high starting capacity and long trouble free battery life.

9 Comprehensive lighting

Two headlights with dip switch, a rear light and two instrument panel lights are fitted. Parking lights operated by a separate switch on the instrument panel. The rear light includes a red globe for safety.

10 Positive filtered fuel system

Two stage filtration is standard with agglomerator and micronic filter, plus the added protection of strainers and tank water trap. Fuel tank capacity is 30 imperial gallons. (36 U.S.) for the drawbar model.

14 Smooth husky engine

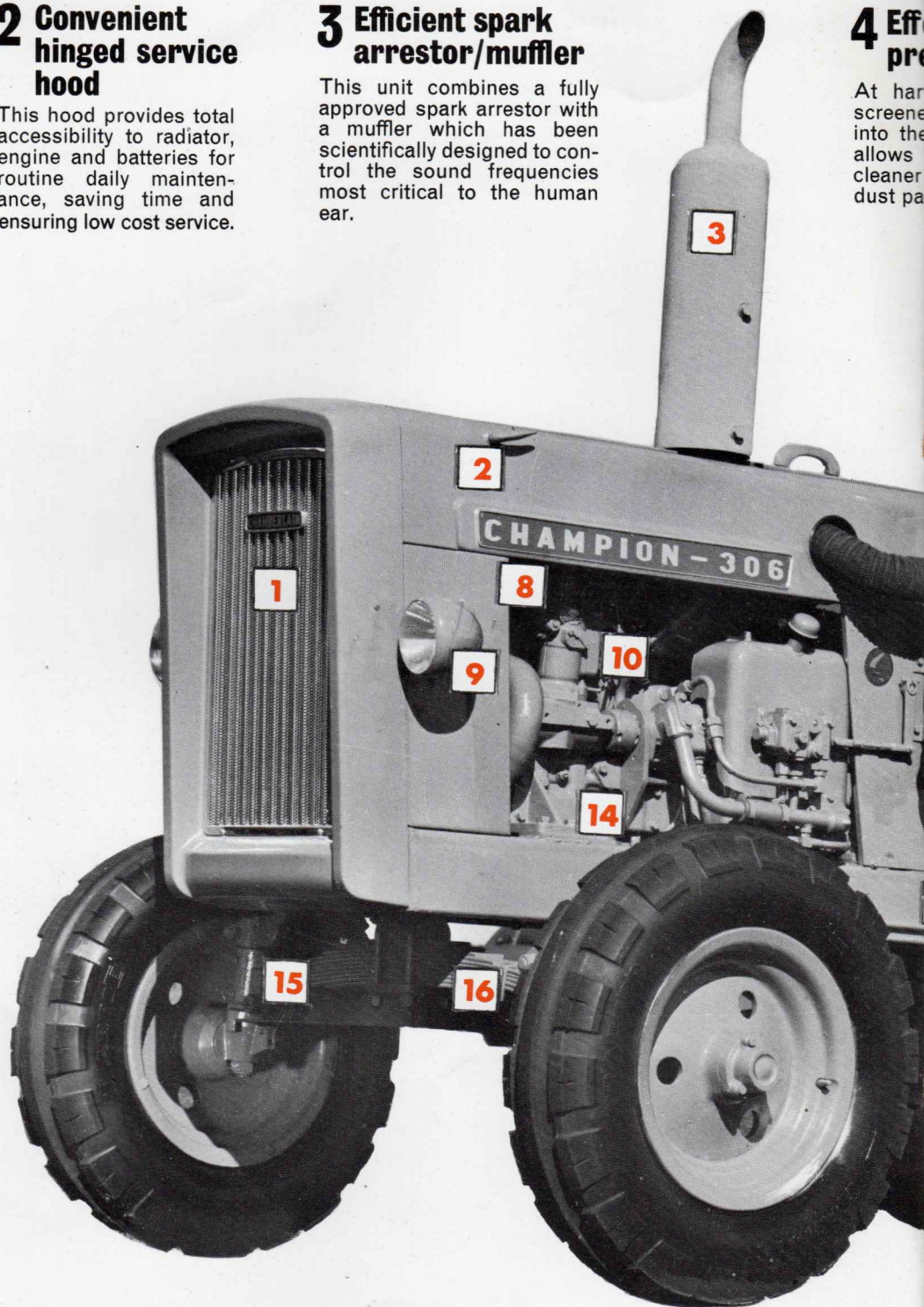
The 306 cu. in., 70 h.p., six cylinder diesel engine has a seven bearing crankshaft, direct injection, distributor type fuel injection pump, mechanical governor, self indexing starter motor and thermostart cold starting unit with key start.

15 Optional power steering

Power steering provides light, sensitive control with assured dependability and long life. It also reduces strain and fatigue.

16 Sprung front axle

The springing of the front axle provides comfort and safety in the field and on the highway at speeds up to 24.9 m.p.h.



306 AUSTRALIA'S BEST MEDIUM TRACTOR VALUE

4 Active pre-screener -cleaner

Best time the big pre-screener prevents entry of straw into the pre-cleaner bowl. This centrifugal pre-screener efficiently removes all twigs.

5 Dry-type air cleaner

A generous capacity air cleaner provides maximum protection for the engine and requires only the minimum of maintenance. Dust is ejected automatically.

6 Comfortable full- width seat

The seat provides comfort and safety for two persons. It is deeply padded with foam rubber and is fully adjustable to suit your requirements.

7 Large fuel tank

The 30 imperial gallon (36 U.S.) tank fitted to the Champion 306 drawbar model provides great endurance and means fewer stops to re-fuel.

11 Big new tyres

Big 18.4 x 30 6-ply rear tyres are mounted on extra wide base rims. This large tyre equipment enables the Champion 306 to transfer its 70 horsepower into effective work.

12 Energised braking

New energised, fade resistant disc/band brakes provide effortless and safe control over stopping, turning and parking.

13 Live, independent P.T.O.

The P.T.O. is driven independently of the main clutch and has a separate, oil-immersed, multi-plate clutch which is activated by a conveniently located hand lever.

19 Rugged transmission

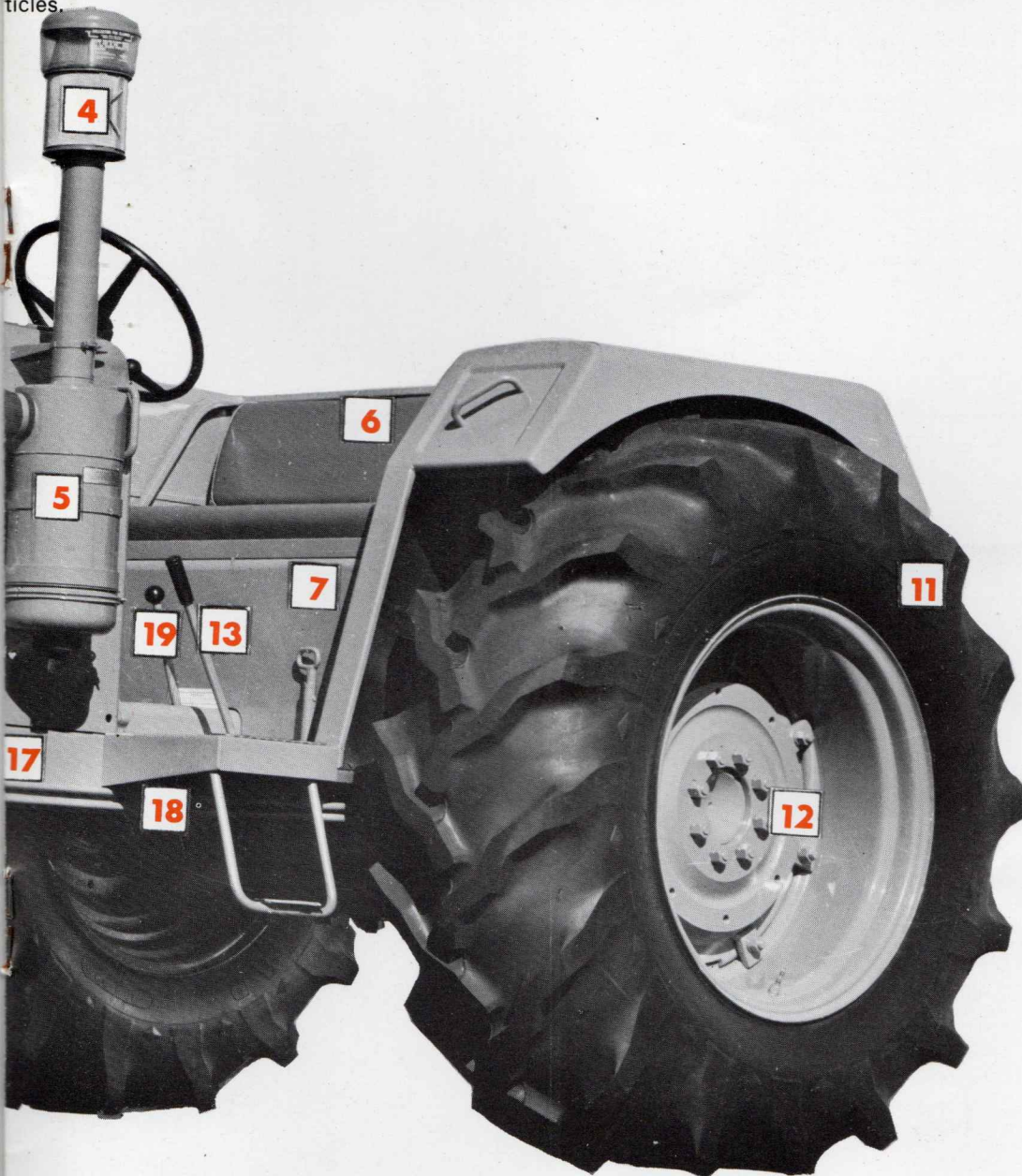
The heavy duty nine speed transmission incorporates a 3-speed and reverse sliding spur gearbox mounted to the engine and coupled by a universally jointed shaft to a new-design gearbox (high, intermediate and low ratio), mounted on the front of the differential. All gears are crown shaved for quiet operation and long life.

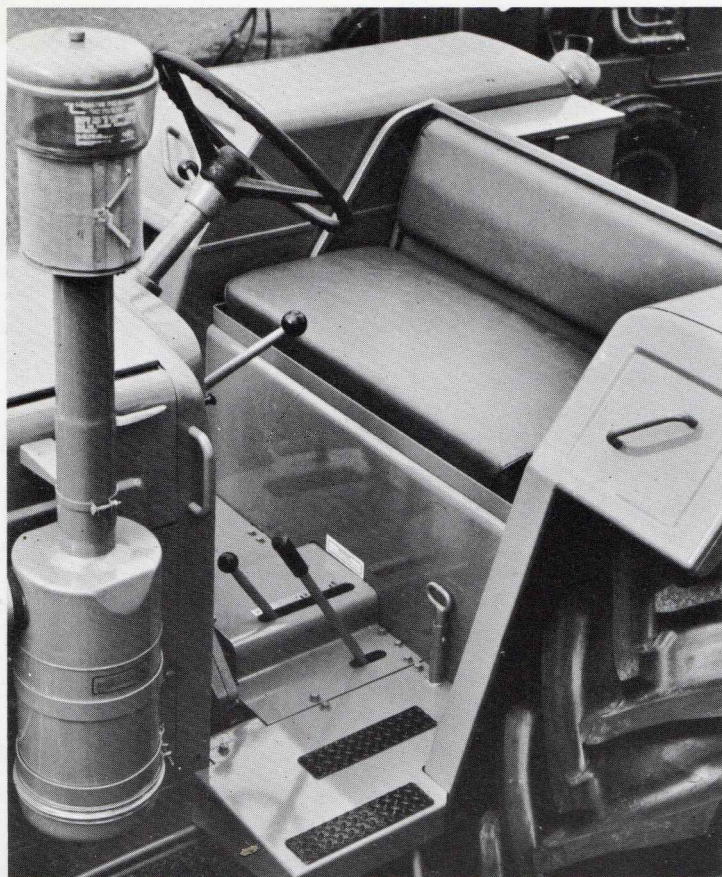
17 Hefty main frame

The full length 6" x 3", rectangular, hollow section main frame carries the stresses of field operation and protects the engine and transmission housings.

18 Massive heavy duty clutch

The big 14" clutch provides unequalled service life and enables you to make smooth, perfectly controlled starts. A clutch brake is fitted to assure quick, smooth gear engagement.





COMFORT AND CONVENIENCE OF SEATING AND CONTROLS

The full width, two person, deep foam rubber seat is fully adjustable to your needs. It gives you a new standard of driver comfort and helps overcome fatigue on long spells. The control deck is clean and uncluttered. All instruments are clearly visible and all controls fall easily to hand.

EASILY ACCESSIBLE, YOU SAVE VALUABLE TIME

Daily maintenance is simple. The full width hood, running the length of the engine, radiator and battery compartments is hinged to provide easy access. Maintenance is a simple matter; lets you get out into the field and on with the job sooner.





CHAMPION 306 LINKAGE MODEL—THE SMOOTH PERFORMER THAT SAVES YOU TIME AND EFFORT

Here's a full draft and depth control linkage tractor with big broadacre farming features.

New longitudinally adjustable lower linkage arms are designed to suit all mounted equipment and give 3,500 lb. lift. Draft control is by a quadrant conveniently placed to the right of the driver who sits comfortably on a full width deeply padded foam rubber seat.

If your need is basically for a linkage tractor then this Champion 306 model provides you with all the best linkage features you expect—along with Chamberlain comfort, versatility and six cylinder smoothness.

If your need is basically for a broadacre tractor but you also occasionally require a linkage tractor, here's one of 70 horsepower, 211 lb./ft. torque, 10,139 lb. operating weight, the added comfort of a front spring and full draft control linkage when you want it.

THE BEST OF BOTH WORLDS!

EXTRA LINKAGE MODEL FEATURES

HYDRAULICS:

Features full draft control with conveniently located control quadrant. The system includes a balanced vane type pump which delivers 10-70 g.p.m. at 1900 p.s.i. pressure and uses a simple spool valve with hydrostatic pressure control. An adjustable stop is provided for accurate depth control. The 3 pt. linkage complies with category 2. Lifting rods and links are adjustable. Maximum lift capacity is 3,500 lb. at the extremity of lower links. Lower link adjustments provide extensions of 3 $\frac{3}{8}$ " and 6 $\frac{3}{8}$ ".

WEIGHT:

					lb.
Tractor (with fuel and operator)	..	..	..	..	7,807
Water Ballast	..	..	..	..	1,532
Cast ballast (4 weights per side)	..	..	..	..	800
Operating weight..	..	..	..	..	10,139

SHIPPING:

Length	Width	Height	Cu. ft.	Weight
140-6"	84-6"	65"	446	7432 lb.

CHAMBERLAIN



CHAMPION 306 ALL PURPOSE MODEL GIVES A NEW DIMENSION IN VERSATILITY

The power and inbuilt weight you need to handle big implements with ease, along with a host of new features, puts the Champion 306 All Purpose model right at home in any heavy duty specialized row crop application.

70 horsepower, an operating weight of 9857 lb. and remote control hydraulics would make this versatile new tractor a logical choice for drawbar work alone.

The added bonus of centre line power steering, adjustable front and rear wheel track, a choice of rear tyre equipment and full draft control linkage all add up to make the Champion 306 All Purpose model a brilliant new heavy duty row crop tractor.

It's really like owning two tractors for the price of one!

EXTRA ALL-PURPOSE MODEL FEATURES HYDRAULICS:

Features full draft control with conveniently located control quadrant. The system includes a balanced vane type pump which delivers 10-70 g.p.m. at 1900 p.s.i. pressure and uses a simple spool valve with hydrostatic pressure control. An adjustable stop is provided for accurate depth control. The 3 pt. linkage complies with category 2. Lifting rods and links are adjustable. Maximum lift capacity is 3,500 lb. at the extremity of lower links. Lower link adjustments provide extensions of 3½" and 6¾".

WEIGHT:				lb.
Tractor (with fuel and operator)	..	..	..	7,525
Water Ballast	..	..	..	1,532
Cast ballast (4 weights per side)	..	..	..	800
Operating weight ..	..	..	..	<hr/>9,857

SHIPPING:				
Length	Width	Height	Cu. ft.	Weight
140-6"	77"	65-75"	410	7140 lb.

CHECK THESE CHAMPION 306 TRACTOR SPECIFICATIONS FOR QUALITY CHAMBERLAIN ENGINEERING

ENGINE: Perkins 6/306, 6-cylinder, 4-cycle, direct injection, bore 3-600", stroke 5", compression ratio 16:1, displacement 306 cubic inches.

FUEL: Distillate. Fuel tank capacity 30 imp. gallons (36 U.S.).

Filtration: Agglomerator micronic filter, strainers and water trap.

Injection Equipment: Distributor type injection pump with multi-hole injectors.

COOLING: Water circulated through engine and radiator by centrifugal pump mounted on engine. Temperatures controlled by thermostat.

GOVERNOR: Mechanical. Controlled by either direct-coupled foot pedal or friction location hand lever. The foot control can be used to over-ride the hand lever setting.

AIR CLEANER: Dry type with pre-screener and pre-cleaner.

COLD STARTING: A thermo-start unit burns fuel in the induction manifold to assist cold starting. It is operated by a key switch.

ELECTRICAL: 12-volt starting and lighting system with twin filament headlamps, parking lights and a fully swivelling rear light incorporating a red tail lamp and an implement flood lamp. Two 6-volt, 21-plate batteries. Battery-excited alternator and transistorised sealed control charging system.

CLUTCH: 14 inch diameter, single plate, operated by a spring assisted foot pedal.

CLUTCH BRAKE: Provided to assist gear selection.

TRANSMISSION: Three-speed and reverse sliding spur gearbox is mounted on the rear of the engine and coupled by a universally jointed shaft to a high, intermediate and low range gearbox mounted on the front of the differential. The two gearboxes are fitted with separate change levers.

DIFFERENTIAL: Bevel gear type with spiral bevel crown wheel and pinion. Pinion and differential shaft bearings are taper roller.

FINAL DRIVES: Two half shafts carry the drive from the differential to the final drives which are located compactly within the rear wheels. This arrangement results in the exceptional ground clearance of the tractor.

BRAKES: Band energised double disc brakes are fitted to the shafts connecting the differential to the final drives. They may be (1) controlled independently by foot pedals, (2) controlled as a foot brake by coupling the foot pedals, or (3) latched by a hand control to form a parking brake.

STEERING: Heavy duty, recirculating ball type, self-centring.

"LIVE" POWER TAKE-OFF: Driven independently of the main clutch having a separate multi-plate, oil immersed clutch operated by an over-centring lever beside the tractor seat. The splined shaft is to the A.S.A.E. standard of 1 $\frac{3}{8}$ " 6B. Shaft speed is 540 r.p.m. (rotating clockwise viewed from rear) at an engine speed of 1,600 r.p.m. Height above ground, 30.5".

ROLLER DRAWBAR: Mounted on lubricated roller and machined track. Height adjustments from ground level to the centre of the fork 14.5" to 20".

LENGTH: 151".

WIDTH: 84.6".

HEIGHT (Steering Wheel): 72.4".

SHIPPING:	Length	Width	Height	Cu. Ft.	Weight
	140.6"	84.6"	65"	446	7,000 lb.

CLEARANCE: 17.5".

WHEELBASE: 89.1".

WHEEL TRACK: Front 60.3". Rear 66".

TYRE EQUIPMENT: Front 7.50 x 18 x 6-ply. Rear 18.4 x 30 x 6-ply.

ENGINE H.P.: 70 at 2,000 r.p.m. to S.A.E. J816 standard.

MAX. TORQUE: 211 lb./ft. at 1,000 r.p.m.

P.T.O. H.P.: 63 at 2,000 engine r.p.m.

GEAR SPEEDS: Forward: 1-9, 2-7, 3-3, 4-5, 5-3, 7-2, 9-2, 15-6, 24-9 (at 2,000 engine r.p.m.).

Reverse: 2-7, 3-7, 12-8 m.p.h. (at 1,600 engine r.p.m.).

WEIGHT: Tractor with fuel and operator.. ..	7,425
Water Ballast	1,532
Cast Ballast	800

Operating Weight	9,757 lb.
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STANDARD EQUIPMENT

Electric lights and starting. Cold start unit. Tractometer. Spark arrester. Muffler. Live power take-off. Roller drawbar. Tool box and kit. Cigar lighter.

TRAILING IMPLEMENT HYDRAULIC UNIT: "Live" vane pump 10-70 g.p.m. at 2,000 engine r.p.m. Direct drive from engine. 2.5 gallon reservoir. Three position control valve for both single or double acting operation. 1,900 p.s.i. Swivelling quick release couplings at rear of tractor.

OPTIONAL EXTRA EQUIPMENT

BELT PULLEY: Attached to the rear of the P.T.O. unit and controlled by P.T.O. clutch, includes bevel gear set and separate oil bath. Pulley—10 $\frac{1}{4}$ " diameter x 6 $\frac{1}{4}$ " wide. Belt speed—3,100 feet per minute at 1,600 engine r.p.m.

CAST WHEEL WEIGHTS: 4 ring type weights each weighing 100 lb., may be fitted to each rear wheel.

POWER STEERING: Priority head for the hydraulic pump, 10 $\frac{1}{2}$ " stroke steering booster cylinder and hoses and fittings are available for simple installation. Tractor can be steered manually if engine is not running.

CAB: All weather cab with two steel doors and lower panels, fibre-glass canopy and pivoting safety glass windscreen. Windscreen and side panels removable for summer operation.

As the policy of this company is one of continued development and improvement these specifications are subject to change without notice.

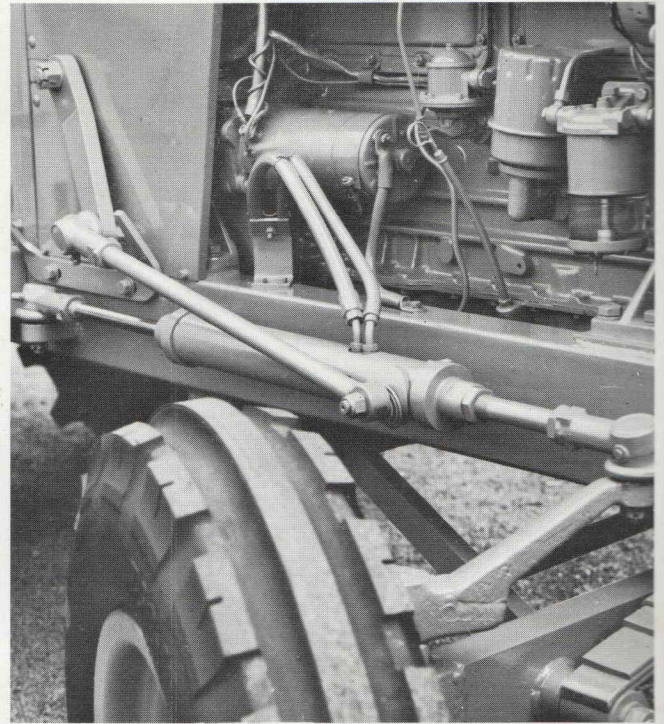


CHAMBERLAIN



TOTALLY ENCLOSED CAB GIVES ALL WEATHER PROTECTION

All year-round you can receive weather protection with this factory engineered cabin. Totally enclosed, it is snug for winter conditions. Come summer, roll up the rear panel, remove the doors and side curtains, open the hinged windshield and enjoy maximum ventilation.



LIGHT SENSITIVE CONTROL WITH OPTIONAL POWER STEERING

The hydraulic power steering, fitted as optional equipment, utilizes the tractor's main hydraulic system without interference to trailing or mounted equipment. A heavy duty booster cylinder ensures effortless steering, helps to reduce fatigue and gives long-life reliability! In the event of a hydraulic pressure loss the system automatically reverts to manual operation.

CHAMBERLAIN INDUSTRIES PTY. LTD.

Head Office and Works: Welshpool Road, Welshpool,
Western Australia

BRANCHES

Western Australia:
Great Eastern Highway, Guildford (Post Office Box 26), 6055

South Australia and Northern Territory:
Main North Road, Pooraka, South Australia, 5095

Victoria and Tasmania:
1620 Hume Highway, Campbellfield, Victoria, 3061

New South Wales:
2 Parramatta Road, Granville (Post Office Box 90), 2142

Queensland:
Sandgate Road, Virginia (Post Office Box 21), Nundah, 4012

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**YOU CAN BE SURE OF
AUSTRALIA'S BEST PARTS
SERVICE WHEN YOU ARE
A CHAMBERLAIN OWNER**

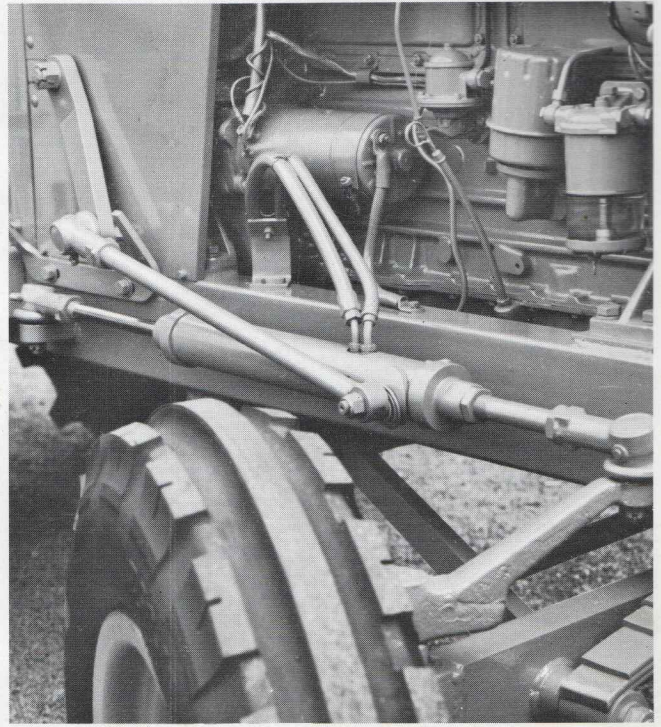
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