

**NEW HOLLAND**

**Combines**

**CLAYSON 1545**



SPERRY  NEW HOLLAND

# Clayson 1545

BOOST YOUR HARVESTING POWER !

When crops are ready every minute counts. That is why you need a big capacity combine with the ability to get crops in fast... with minimum field



losses... minimum maintenance... minimum costs... minimum downtime.

With the '1545' you have a combine with many plus features that make it easy to keep **ahead of time**. Take the new *Constant-Flow Feed System*. With this system you achieve a continuous high threshing efficiency by maximising the drum and concave loading under all conditions. And you — from the new *ergonomically* designed operator platform — control the whole operation, effortlessly. High

initial threshing capacity is matched by efficient straw walkers and cleaning components. Result: you put more clean grain in the tank which is where it counts.

With the '1545' you can be confident that you own a machine which is rugged enough to tackle the heaviest maize crop and yet sophisticated enough to thresh the finest grass seed.

As each harvest rolls round, you know you can depend on the '1545' to **keep you ahead of time**.





# Tackle the big harvest

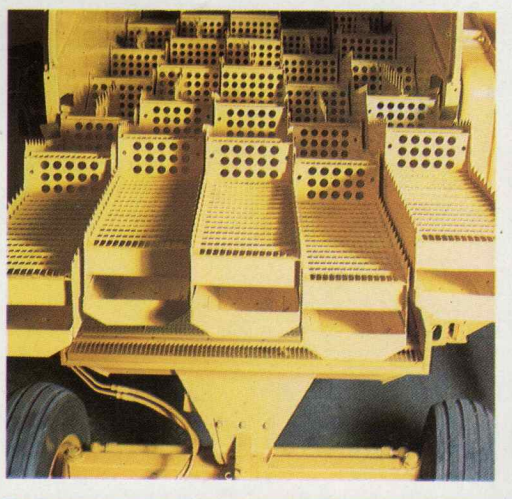
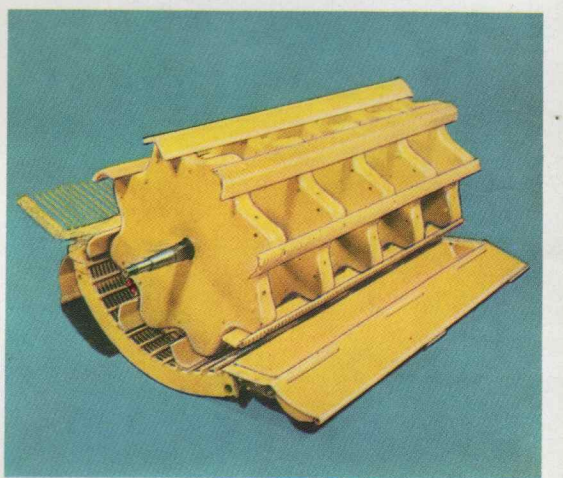
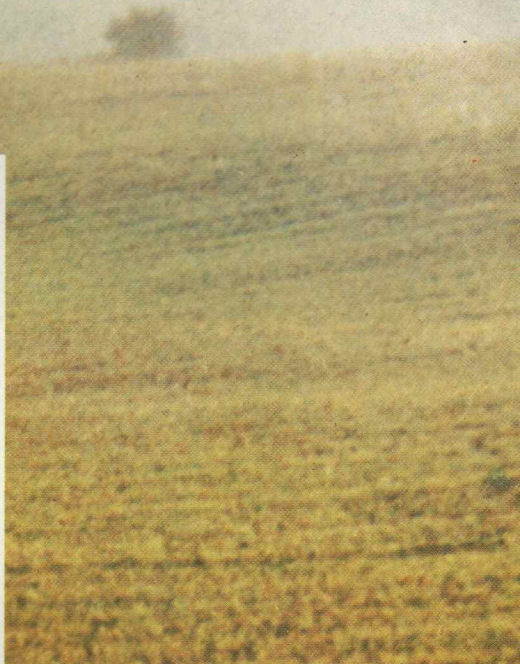
When you head a Clayson 1545 for the field, you can be sure that its enormous appetite will make short work of the biggest and toughest harvesting jobs.

Top capacity starts at the front with the newly designed header. Choose one... from 13 ft. to 17 ft. The 42" diameter reel moves the crop evenly over the high-speed cutterbar. Reel speed is adjusted on-the-go from 12 to 57 rpm to match your crop conditions. This is the start of the *Constant-Flow Feed System* which moves the crop in an even layer via the low angle straw elevator (with its spring loaded drive shaft) into the threshing area.

The 23 1/2" x 49 1/2" drum features variable speed control and, together with the 14-bar high-wrap (110°) concave, gives maximum initial separation. The beater deflects the crop onto the five straw walkers which, with the 5165 square inches of sieves under accurate and adjustable wind control, results in perfect separation and cleaning.

The **130 HP** (SAE) engine enables you to work where the terrain and conditions demand maximum power reserves.

With a '1545' in the field, you can be sure of getting the crop in fast and of keeping ahead all through harvest.



# All Clayson combines are versatile.

All Clayson combines are equally at home in cereals, rice, maize or grass seed and the '1545' is no exception.

The versatility of the '1500' series of Clayson combines enables you to tackle a greater variety of crops in the harvesting period.

Adapting for another crop presents no problems to



the Clayson combine operator. Changing headers takes only minutes — thanks to an exclusive, simple quick-attach system which requires no tools and involves no changing belts or chains.

For **maize harvesting**, the Clayson 1545 can be matched with a New Holland low profile four row Maize Header.

Of heavy-duty construction, these maize headers have sealed bearings on the sprockets to reduce servicing

time and replaceable wear-plates on the rolls ensure maximum life at minimum replacement costs.

The Clayson 1545 has been tried and tested in all types of crops — even in **rice fields** with special tyres or tracks to keep the combine moving in the mud or across banks. Not only does the '1545' have the horse power to pull it through fields of deep, pasty mud but also the stamina and dependability to take it over the toughest hard-baked terrain.





# Step up to fast comfortable harvesting

Boss your way through harvest from your *ergonomically* designed '1545' operator control centre — you will be amazed to see how fast even the largest acreage shrinks before your eyes.

Not only is the '1545' tops in comfort, but dependable too. Built around a massive steel frame the '1545' is completely weather-proofed — even the bolts are cadmium plated.

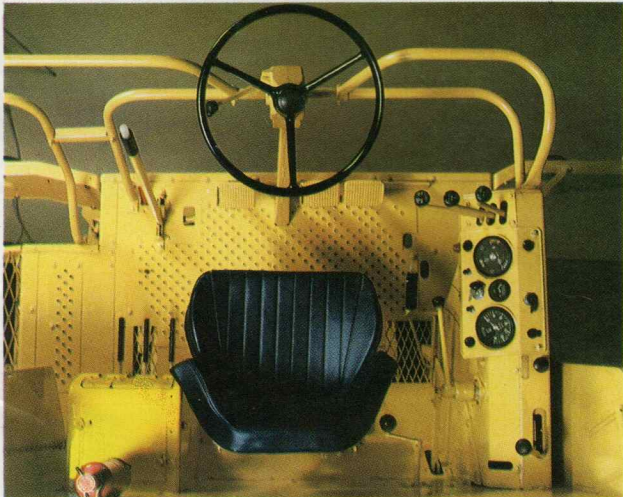
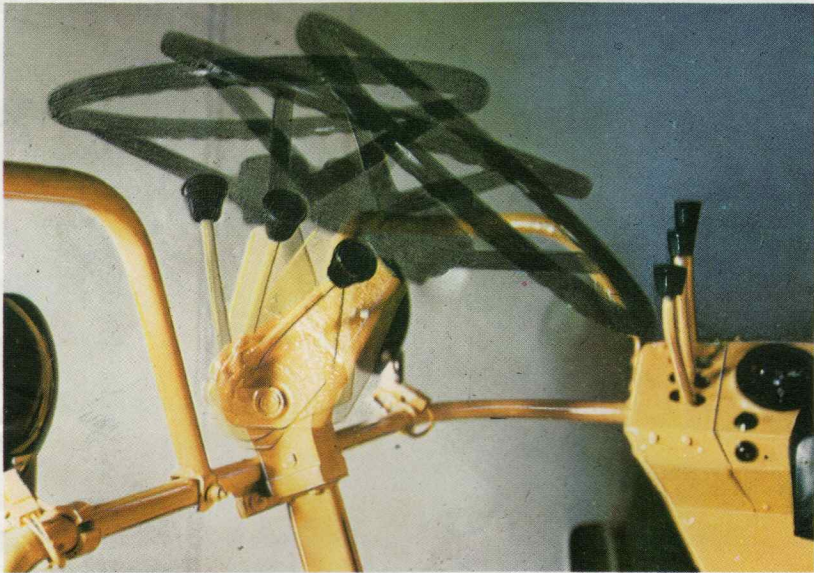
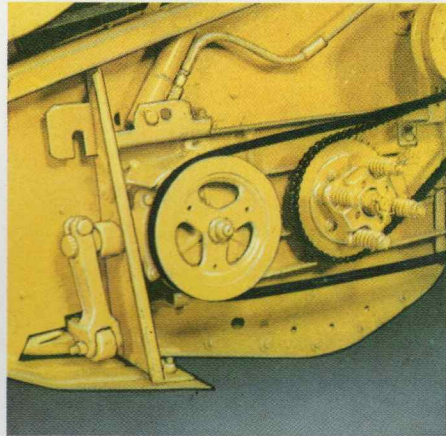
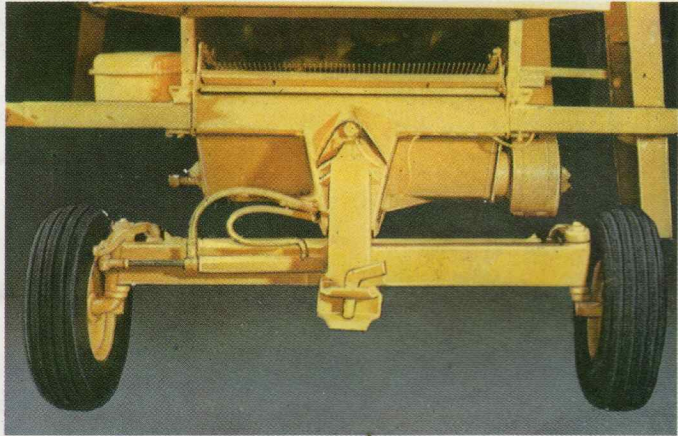
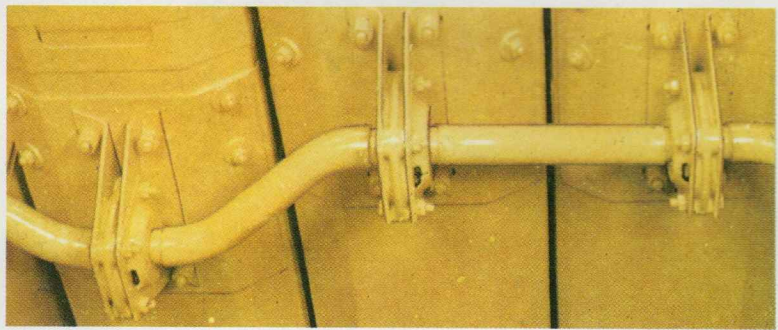
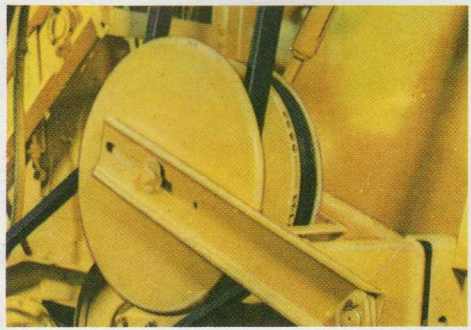
Big, durable V-belts and long-lasting roller chains keep things turning smoothly and efficiently on heavy-duty bearings.

Routine service is quick and simple. Huge hatches and hinged guards give easy access for snappy service. Loosen two bolts and the knife is speedily removed.

In a matter of minutes, and with no tools, the header unit can be uncoupled for rapid transport. The location of the engine behind the grain tank gives you a quieter, cleaner and cooler ride so that you can concentrate on the whole cutterbar from the luxury of your vibration-free seat. You want to stand? Then, flick up the pivoting steering wheel to the most comfortable position.

Positive power steering enables you to guide the '1545' over the worst ruts with finger-tip ease. With a slight downward glance, you check the logically placed dials and with no effort adjust the handy, on-the-go controls to get the most out of this huge machine.

Convenience and durability are built into the '1545' to make your work easier and keep you ahead of schedule.



# Keep ahead of time ... with a Clayson 1545

The secret is Clayson's *Constant-Flow Feed System*. You can now regulate the critical crop flow into the threshing area to obtain maximum drum loading under all conditions. By thus maximising drum loading, threshing is kept at a continuous level of peak efficiency which results in an even greater output from your combine.

For differing crop conditions, the constant-flow is maintained by altering the speed and position (relative to the knife and feeding auger) of the 42" diameter, six-tine bar reel which slides on exclusive curved support arms.

**In average length straw :** By selecting an intermediate adjustment an optimum crop flow is obtained.

**For lodged crops :** By lowering and advancing the reel

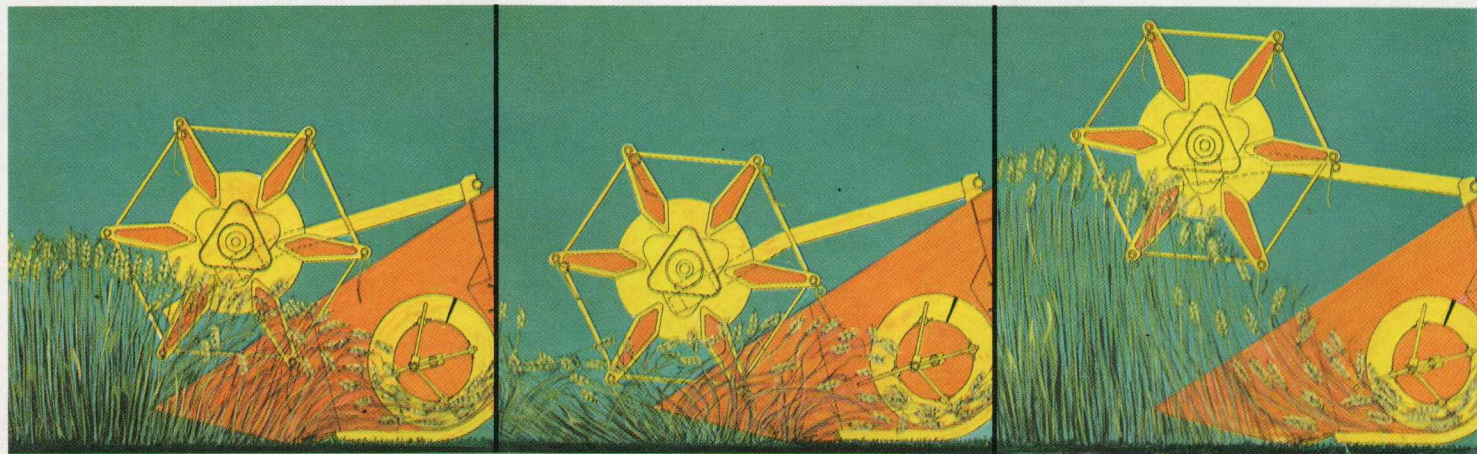
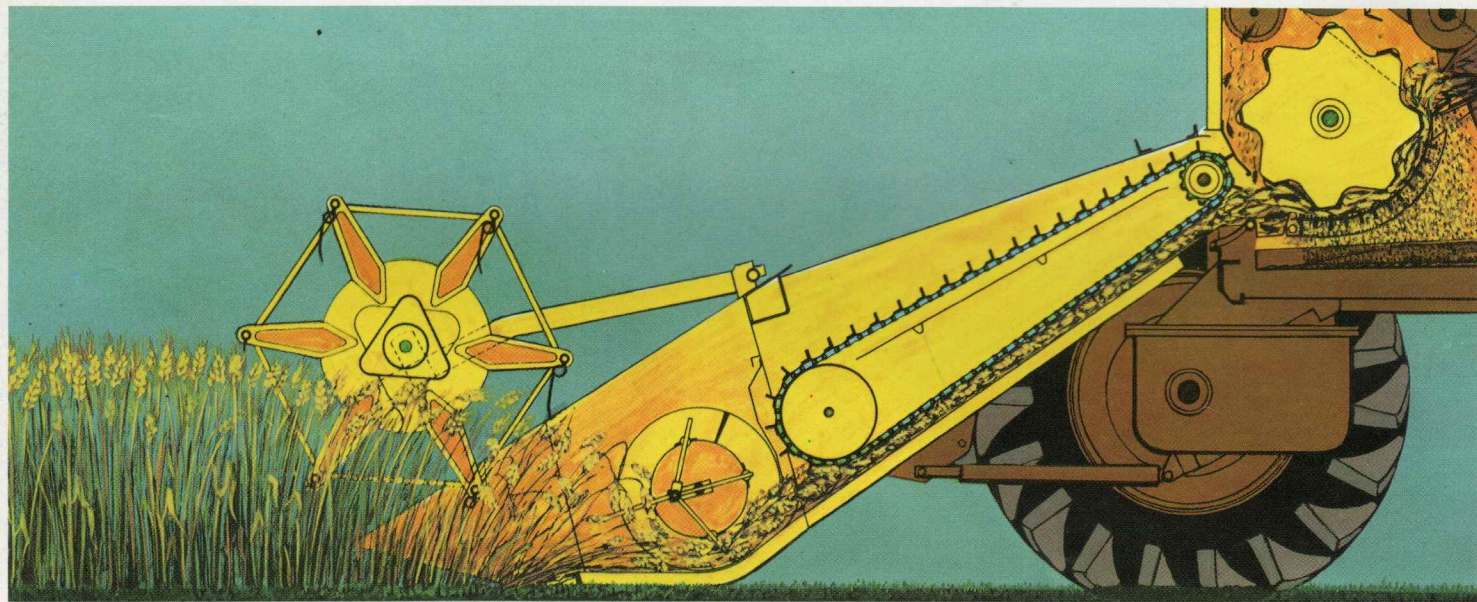
and increasing its speed, the crop is lifted across the cutterbar and swept into the feeding auger.

**In tall crops :** By raising and adjusting the horizontal position of reel and decreasing its speed the crop is prevented from entering the feeding auger before it is cut.

Maximum continuous drum loading is further sustained by the minimal deflection the crop undergoes as it enters the concave from the long, low-angle straw elevator.

And, right at the "nerve-centre" — the spacious operator platform — you are in full command. Choose the setting that suits the conditions and the *Constant-Flow Feed System* will do the rest.

You will be ahead at the end of the day.



# '1545' specifications

## Cutterbar

Cutting width : 3.96 m (13')  
4.57 m (15')  
5.18 m (17')

Cutting height : -10 cm to +110 cm  
-4" to +43"

Hydropneumatic header compensation

## Pick-up reel

Type : reel with 6 tine bars  
Speed control : mechanical variator  
Reel height adjustment : controlled from driver's seat  
Horizontal adjustment of reel : mechanical or hydraulic

## Threshing drum

Diameter : 600 mm (23 1/2")  
Width : 1255 mm (49 1/2")  
Number of rasp bars : 8  
Drum speed : 445 - 1035 rpm

## Concave

Number of bars : 14  
On the go adjustment from operator platform  
Angle (wrap) : 110°

## Straw walkers

Number : 5  
Maximum length : 3800 mm (149")  
Max. straw walker area : 4.88 m<sup>2</sup> (7564 sq.in)  
Separating area : 5.44 m<sup>2</sup> (8432 sq.in)

## Cleaning

Fanning mill speed range : 520 - 990 rpm  
Total sieve area under wind control :  
3.33 m<sup>2</sup> (5165 sq.in)

## Ground speed

Hydraulically operated ground speed variator  
(with tyres 18.4/15 x 30) :

Forward (3 gears) : 1.7 - 22.0 km/h  
1.0 - 13.6 mph

Reverse (1 gear) : 3.4 - 8.0 km/h  
2.1 - 4.9 mph

Steering : Hydrostatic

## Engine

Ford, 6 cyl., type 2715 E - 120HP.DIN (130HP SAE), water-cooled

## Fuel tank

Capacity : 160 l (35 Imp. gals)

## Battery

2 x 6 V. - 135 Amp./hour

Tyres  
(United Kingdom)

Traction : 15 x 18 x 8 ply

Steering : 12 x 18 x 10 ply.

## Grain tank

Capacity : 2.610 l (72 Imp. bu. - appr. 4536 lbs wheat) and (with extension) 2.900 l (80 Imp. bu.)

## Dimensions

Length : 8079 mm (26' 6") - without dividers  
Height with tyres 18.4/15 x 30 : 3120 mm (10' 3")  
- with turned down air filter

**The following optional equipment is available for the '1545' :**

## Tracks

Spike tooth drum and concave  
Threshing elements for maize  
Maize header : 4 row  
Upper Graepel sieve  
Fixed sieves : ø 3.5 - 6 - 9 - 12 - 14 - 16 - 18 mm  
Grass seed equipment  
Rape seed equipment  
Clover equipment  
Unloading augers of different length

## Cab

Croplifters  
Headerstand  
Coverplate on the rake behind the concave  
Divider extensions for sieves  
Straw deflector under strawhood  
Sprocket 63 t. for feeding auger  
Hydraulic horizontal adjustment of the pick-up reel  
Oversize tyres  
Rice tyres  
Extension railing driver's platform  
Trailer for header

The above specifications are subject to modifications without notice or obligation.



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