

CLAYSON S.1550 Combines

*72000 Combine & harley head
+ 6,000 for harley head*

SPEERY  **NEW HOLLAND**



clayson S. 1550

offers you a major breakthrough
in big combine technology...



the exclusive ROTARY SEPARATOR to put more grain where you want it... in the grain tank



Today's Farming Professional needs a big combine with a ROTARY SEPARATOR... first from Sperry New Holland

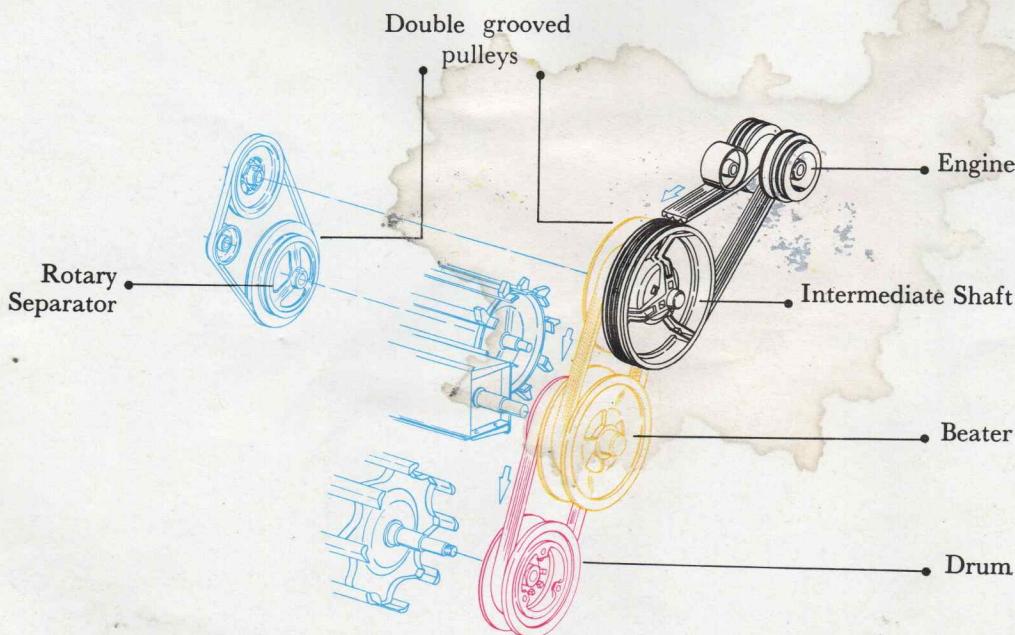
HERE'S WHAT THE NEW CLAYSON S.1550 WITH THE ROTARY SEPARATOR MEANS TO YOU

A new era in combine harvesting. The ROTARY SEPARATOR is a major engineering breakthrough which speeds up and improves crop separation allowing you, the farming professional, to tackle those big jobs more efficiently than ever before. With the ROTARY SEPARATOR your capacity will increase by as much as 10 to 20%.

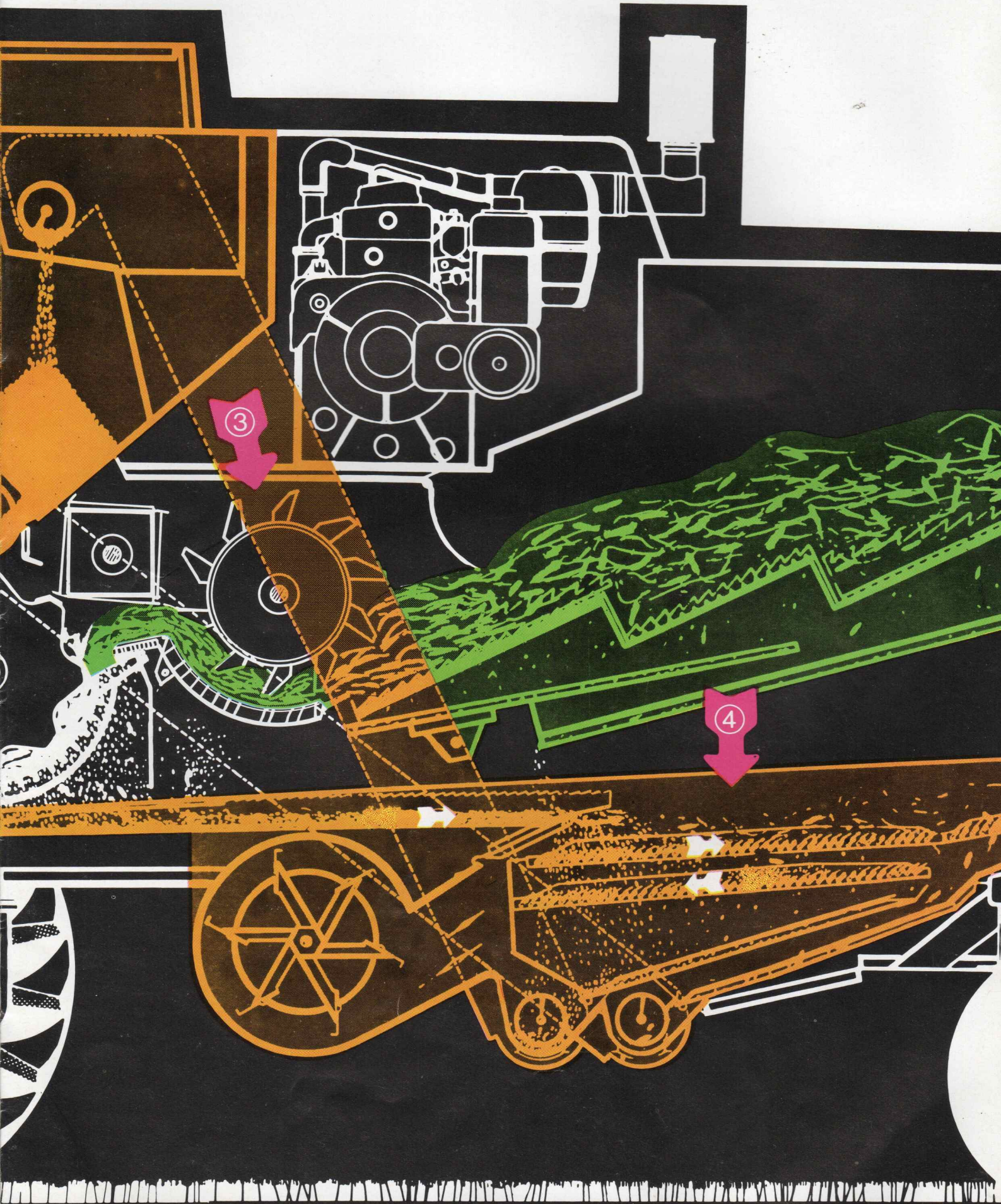
The ROTARY SEPARATOR consists of a specially designed rotor with an adjacent adjustable grate located in front of the strawwalkers. (See inset cut-a-way diagram). The rotor is belt driven from the main shaft at a specified speed. Both the main shaft and rotor shaft pulleys are double grooved to allow easy switching from 760 r.p.m. the desired speed for small grains, to 400 r.p.m. the optimum speed for maize harvesting. All this is accomplished with the same belt.

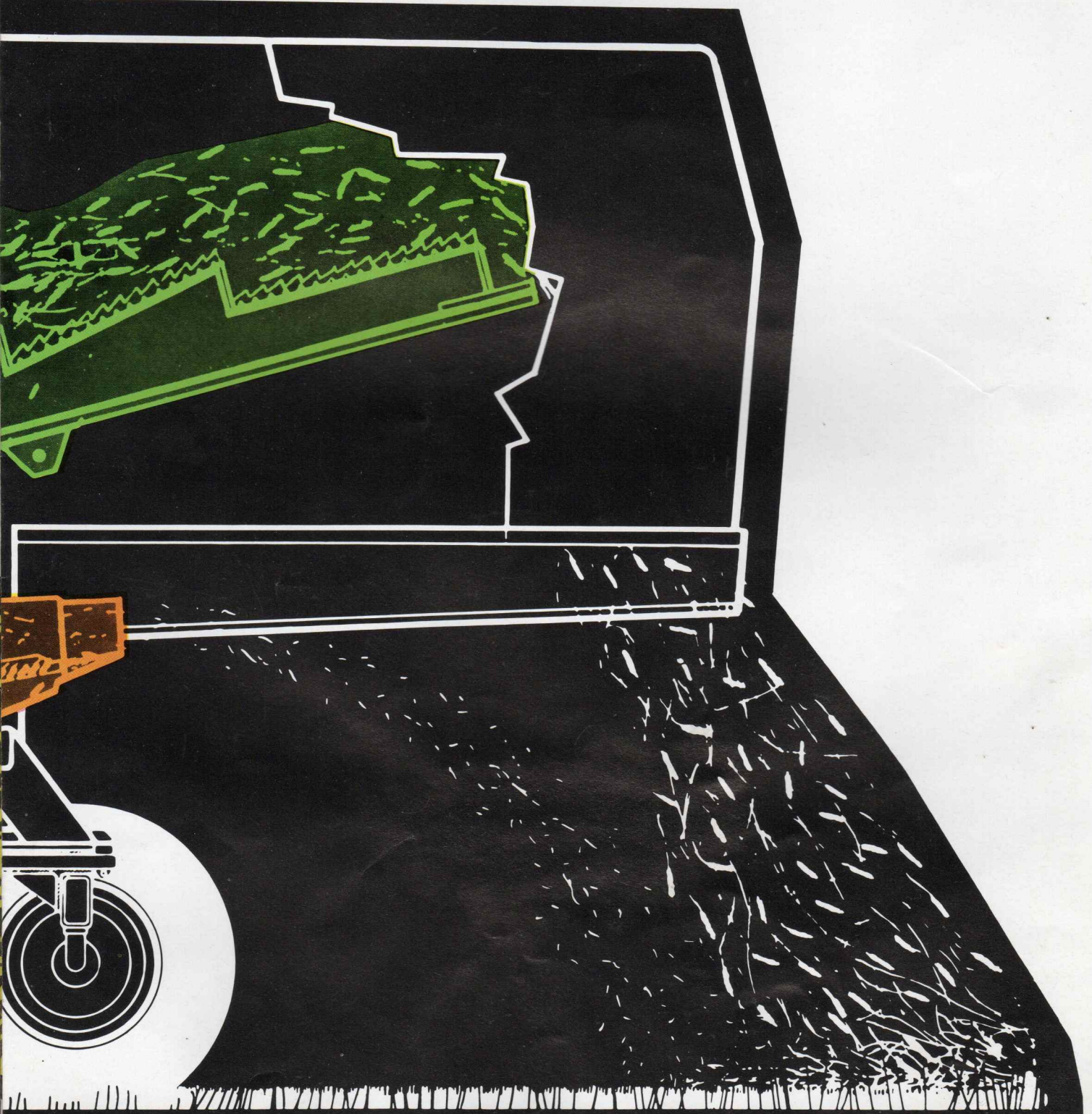
In addition to the ROTARY SEPARATOR, the S.1550 offers you these proven plus-features :

- (1) +++ Even feed system - for better, more even loading of the drum, concave and initial threshing area.
- (2) +++ Constant Flow - feed system - for maximum threshing efficiency under all crop conditions.
- (3) +++ Synchronised beater assembly - offers accurate, even feeding to the ROTARY SEPARATOR.
- (4) +++ Double shaker shoe cleaning, for increased cleaning efficiency under all crop and terrain conditions.
- (5) +++ Unloading - hydraulically controlled unloading in any position, on the go or stationary.
- (6) +++ Operator platform - ergonomically designed for control, driver comfort and visibility.
- (7) +++ Sperry New Holland Dependability - your guarantee that all Sperry New Holland equipment is torture tested to meet your demands.










greater capacity



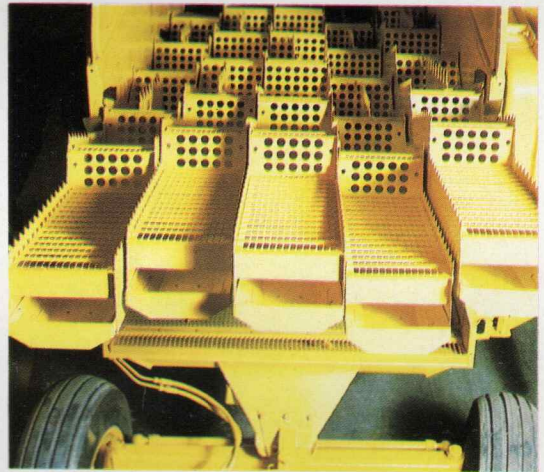
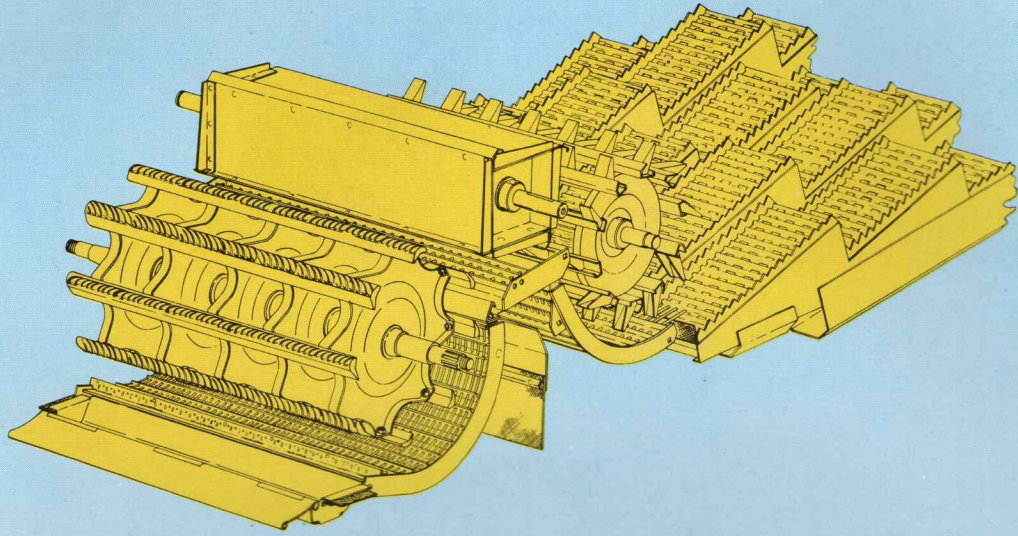
From reel to grain tank, the 'S. 1550' has been engineered for capacity; engineered for fast, even flow of material right through this big combine, even in the heaviest crop. Feeding, threshing, separating and cleaning areas are all matched to ensure smooth working in all crops and in all conditions. First there's the big diameter reel to move the crop to the knife and auger. The wobble knife drive, running at 530 s.p.m., ensures clean cutting at high forward speeds even in down and tangled conditions. Then the high speed straw elevator feeds directly to the 'S. 1550' big 23½ in. by 49½ in. drum and matching concave where the crop is threshed more efficiently than ever before.

With the square-type beater assembly revolving in constant ratio to the drum, the crop is fed evenly and at all drum speeds to Sperry New Holland's exclusive Rotary Separator. The Rotary Separator speeds up material flow through the combine at the same time providing improved cleaner crop separation.

The straw is then fed to the huge five step strawwalkers which shake it out the back of the combine.

The 'S. 1550' combination of performance-matched drum, beater, and Rotary Separator all add up to make high output a reality at harvest time. Sieve openings and fan speed can be controlled on the go. All calibrated controls are located on the outside of the combine. The powerful diesel engine fitted with alternator, oil cooler, and dry-air filter give power to spare.

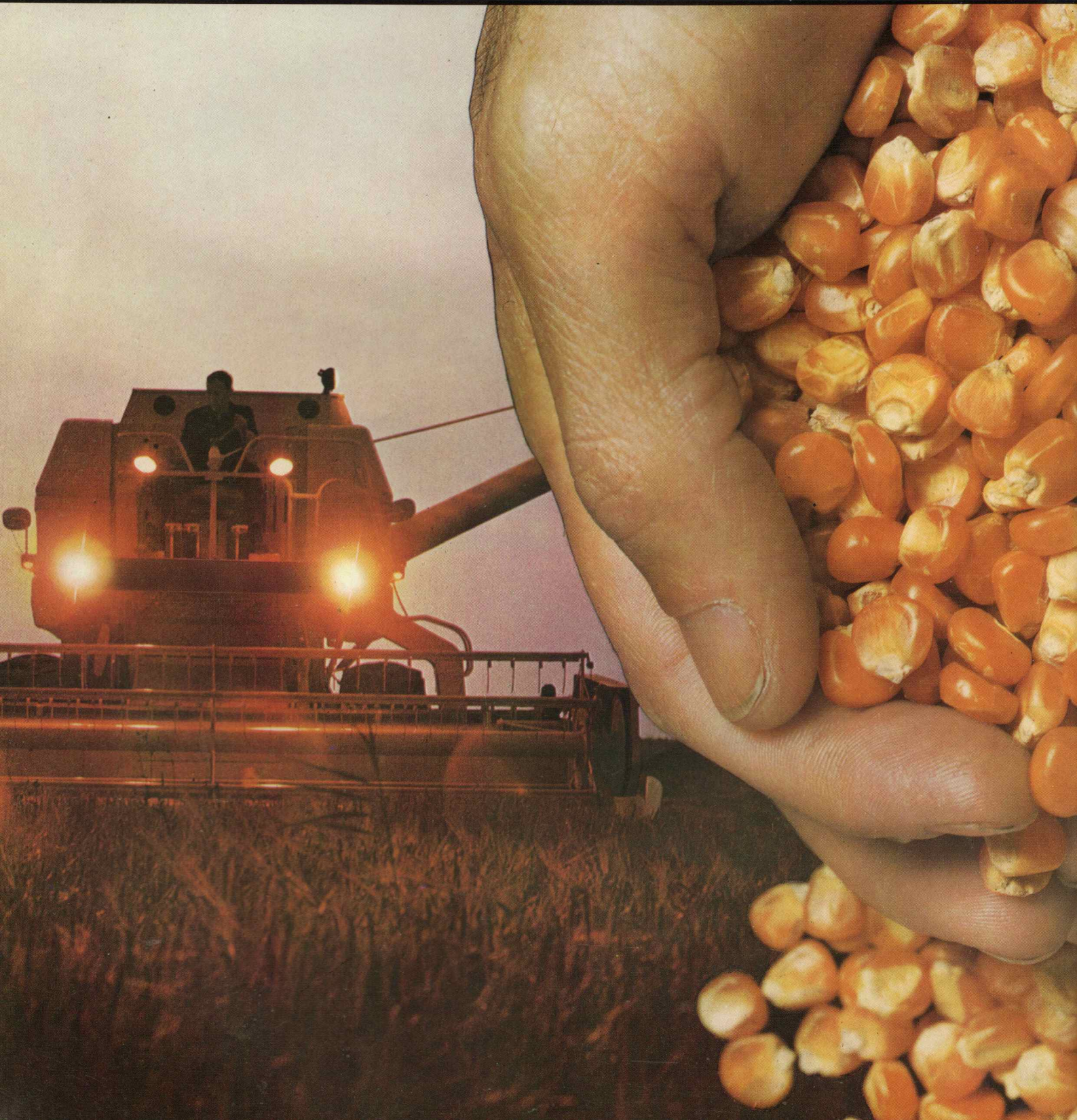
Fitted with headers available from 13 ft. to 19 ft. this new 'breakthrough' combine will cut your harvest down to size and put more grain where you want it - in the grain tank.



the versatile 'S. 1550'

The big Clayson 'S. 1550' is equally at home in wheat, barley, oats, rye, maize, or grass seed. Changing from one crop to another presents no problems to the 'S. 1550' man.

For maize harvesting, the 'S. 1550' can be matched with a Sperry New Holland low profile, four row



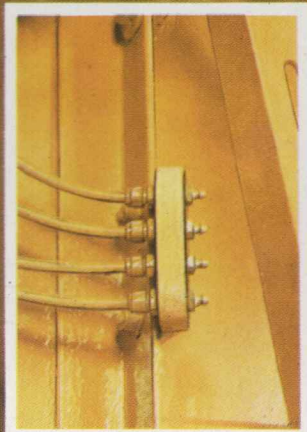
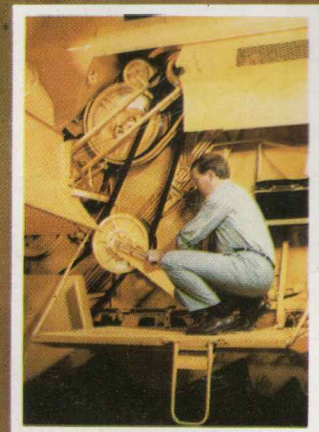
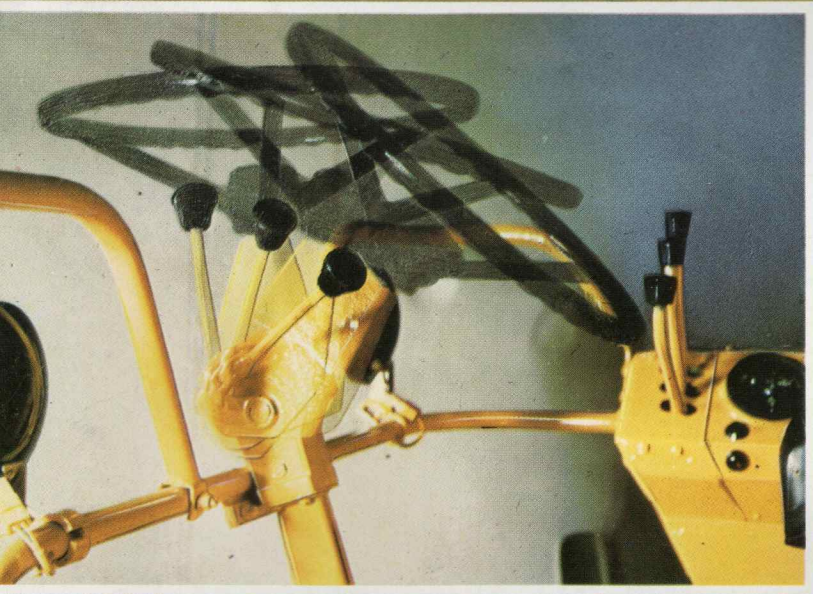
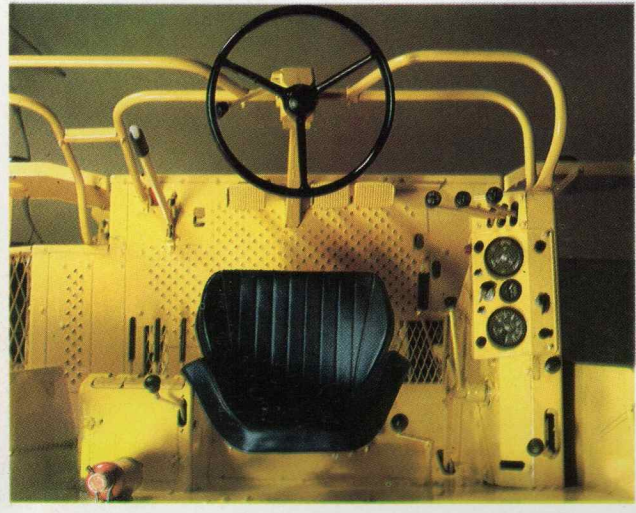
cornhead. Of heavy-duty construction, these cornheads have sealed bearings on the sprockets to reduce servicing time and replaceable wear-plates on the rolls ensure maximum life at minimum replacement costs. The Clayton 'S. 1550' has been tried and tested in

all types of crops — even in rice fields with special tyres or tracks to keep the combine moving in the mud or across banks. So the 'S. 1550' has the horse power to pull it through when fields are deep, pasty mud and the stamina and dependability to take it over the toughest hard-baked terrain.



ease and dependability

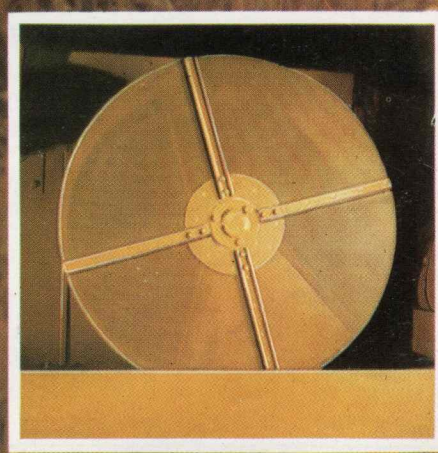
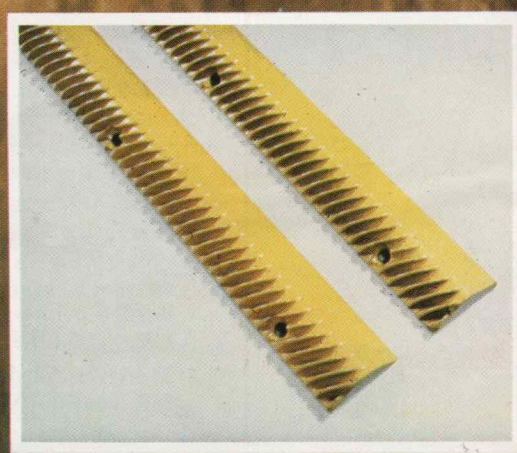
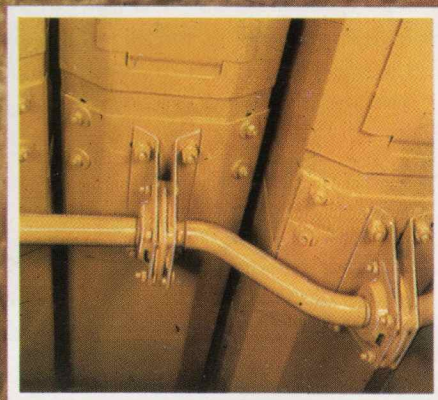
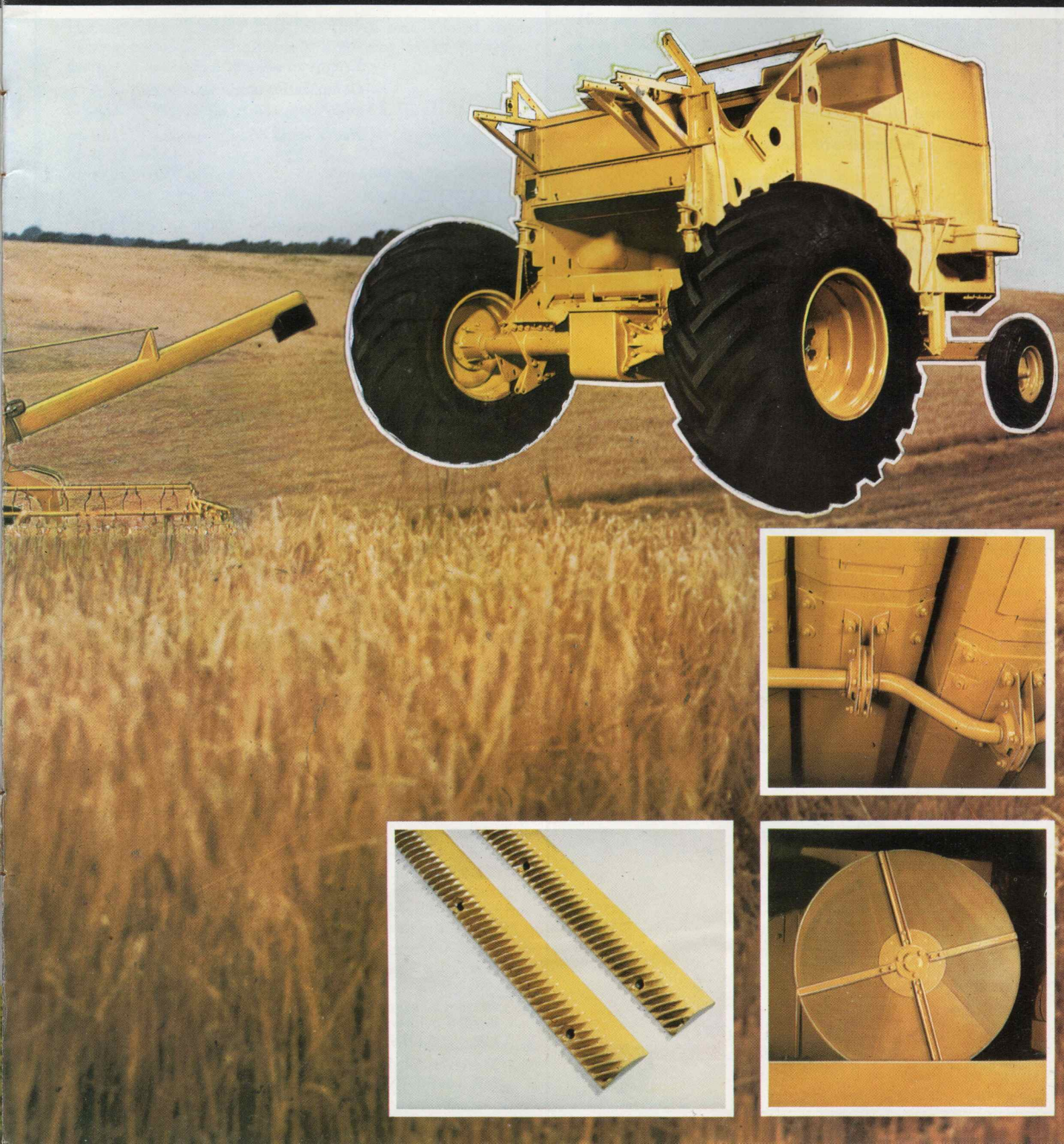
The big Clayson 'S. 1550' is designed for easy operation and dependable service acre after acre, season after season. It's the combine that takes the backache out of even the biggest harvesting jobs. Hydrostatic steering, fitted as standard, makes light work of turning. No need to stop when adjusting reel or header height. Reel speed and drum speed are controlled from the seat. These are on-the-go controls for fast, easy harvesting. And with the



'S. 1550' you get adjustable steering wheel and seat for added comfort and a visible "returns" control. A pull-down service deck makes for easy access and maintenance of the main drive components on the left-hand side of the combine. A centralized grease bank reduces maintenance time, and there are hinged access doors in the main straw elevator and straw walker hood, and removable auger bottoms, all aids to easy servicing and cleaning.

Quality materials are used throughout the 'S. 1550'. The rugged main frame is built to withstand the hardest treatment. Every nut and bolt is cadmium plated. Sealed ball bearings are used throughout the combine.

These are just some of the features that ensure you keep going — that make the 'S. 1550' the really dependable combine, the really easy-to-operate combine.



SPECIFICATIONS 'S. 1550'

CUTTERBAR

Cutting width (*): 13' - 3.96 m
 15' - 4.57 m
 17' - 5.18 m
 19' - 5.79 m

(*) To obtain the overall width add 33 cm or 1' 1" to the cutting width.

Cutting height: -6" to +41"
 -15 cm to +104,5 cm

Automatic adjustment on uneven ground surface by means of a hydropneumatic header compensator. This compensator can be switched off if necessary.

Two knives are delivered with the combine.
 Knife speed 530 CPM.

FEEDING AUGER

The feeding auger is fitted with 15 round, retractable fingers and mounted on sealed ball bearings.
 Speed with sprocket of 45 teeth: 192 RPM (standard)
 Speed with sprocket of 63 teeth: 137 RPM

PICK-UP REEL

Type: bars with spring tines, the angle of which can be adjusted mechanically.
 Diameter: 42" - 1.07 m
 The reel is driven by means of a V-belt.
 Reel speed adjustable by means of a mechanical variator controlled from the driver seat
 with sprocket of 23 teeth: 21 - 57 RPM
 with sprocket of 13 teeth: 12 - 32 RPM
 Lifting of the reel is hydraulically controlled from the operator platform.

STRAW ELEVATOR

Number of slats : 42
 Distance between slats : 6½" - 16.5 cm
 Width of slats : 47" - 1.2 m
 Speed : 376 RPM

THRESHING DRUM

Diameter : 23½" - 60 cm
 Width : 49½" - 1.25 m
 Speed RPM : 420 - 1080
 Number of rasp bars : 8

CONCAVE

Number of bars : 14
 Angle of wrap : 110°
 Concave area : 1192.3 sq.in. (0.77 m²)
 Instantaneous adjustment from the operator platform.
 Rake on concave is adjustable from the outside of the combine.

Concave is fitted with stone trap.
 Simple and effective awning device.

BEATER BEHIND THE DRUM.

Square type - speed range: 420 - 1080 RPM

SEPARATION

Rotary Separator - Width - 49.25 ins (1.26 m)
 - Diameter - 23.5 ins (60 cms)
 - Speed - 400 or 760 r.p.m.
 Strawwalkers - Number - 5
 - Length - 140" - 3.55 m
 - Comparative straw walker area - 9486 sq. in. (6.12 m²)
 - No. of steps - 5
 - Speed - 220 r.p.m.

CLEANING AREA

Upper sieve area (with extension) - 3393 sq. in. - 2.19 m²
 Lower sieve area - 2342 sq. in. - 1.51 m²
 Rake on grainpan - 302 sq. in. - 0.20 m²
 Total cleaning area under wind control - 6037 sq. in. - 3.90 m²

TYRES

Traction tyres - 18.4/15 x 30 - 12 PR - R1 B
 Steering tyres - 12 x 18 - 10 PR

FAN

Number of blades - 6
 V-belt drive
 Speed - 500 - 985 RPM

GROUND SPEED

	1st gear	2nd gear	3rd gear	Reverse
1. On tyres				
MPH	1.0 - 2.6	2.3 - 6.0	5.4 - 14.6	2.2 - 5.7
Km/Hour	1.6 - 4.2	3.6 - 9.7	8.8 - 23.3	3.5 - 9.2
2. On tracks				
MPH	0.3 - 0.9	0.8 - 2.1	1.9 - 5.1	0.8 - 2.0
Km/Hour	0.5 - 1.4	1.3 - 3.4	3.0 - 8.1	1.2 - 3.2

N.B. The speeds indicated will vary with the changes of tyre sizes.

STEERING

The combine is equipped with hydrostatic steering.
 Width of the steering axle: narrow 64" - 1.62 m (standard)
 : wide 80" - 2.03 m

ENGINE

- Ford 6 cylinder
 HP: 135 DIN (700 20) - 140 SAE (J816a)
 - Mercedes 6 cylinder type OM 360
 HP: 140 DIN (700 20) - 150 SAE (J816a)

FUEL TANK

Capacity : 55 Imp. gals - 250 l

BATTERY

2 x 12 Volt - 144 Amp./hr.

GRAINTANK

Capacity : 100 Imp. bushels - 3,500 l

UNLOADING AUGER

Hydraulically operated from the driver seat. Closed connection between graintank and unloading auger prevents grain spillage at all times.

HEADER WIDTH

up to 13' - 3.96 m
up to 17' - 5.18 m
up to 19' - 5.79 m

AUGER LENGTH

9' 3" - 2.84 m
11' 5" - 3.50 m
13' 1" - 4.00 m

WEIGHTS

With header of 13' - 3.96 m : 15,768 lb. - 7151 Kg
15' - 4.57 m : 15,990 lb. - 7252 Kg
17' - 5.18 m : 16,409 lb. - 7442 Kg

DIMENSIONS

Maximum height : 11'4" - 3,476 mm
Height with turned down filter : 10'3" - 3,138 mm
Maximum length with header
without dividers : 27'6" - 8,392 mm
Wheel base : either : 10'3" - 3,130 mm
or : 12' - 3,660 mm

OPTIONAL EQUIPMENT FOR 'S. 1550'

Hydrostatic ground drive
Tracks
Spike tooth drum and concave
4-row and 6-row cornhead
Threshing elements for corn
Upper Graepel sieve
Fixed sieves Ø 3.5 mm - 6 mm - 9 mm - 12 mm - 14 mm - 16 mm - 18 mm
Grass seed equipment
Rape seed equipment
Clover equipment
Lengthened unloading auger
Cab
Croplifters
Headerstand
Coverplate for stone trap
Divider extensions for sieves
Straw deflector under strawhood
Fan bottom protection shield
Sprocket 63t 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.

It is easy to become the owner of this great combine. Why not talk to your local Sperry New Holland dealer. He will give you sound advice on financial arrangements, trade-in price and availability of other Sperry New Holland farm-engineered machines.

Sperry New Holland Combines are designed for maximum durability and reliability, but should you need parts or service our dealers carry adequate stocks of genuine service parts all the year round for the machines in their area. Their servicemen are factory-trained for greater efficiency.

We invite you to discuss your machinery requirements with your local Sperry New Holland dealer.

SPERRY  NEW HOLLAND

SPERRY  NEW HOLLAND

THE FARMING PROFESSIONALS

