

 SPERRY RAND

NEW HOLLAND

**Clayson 135**



# **Never was harvesting grain so easy!**

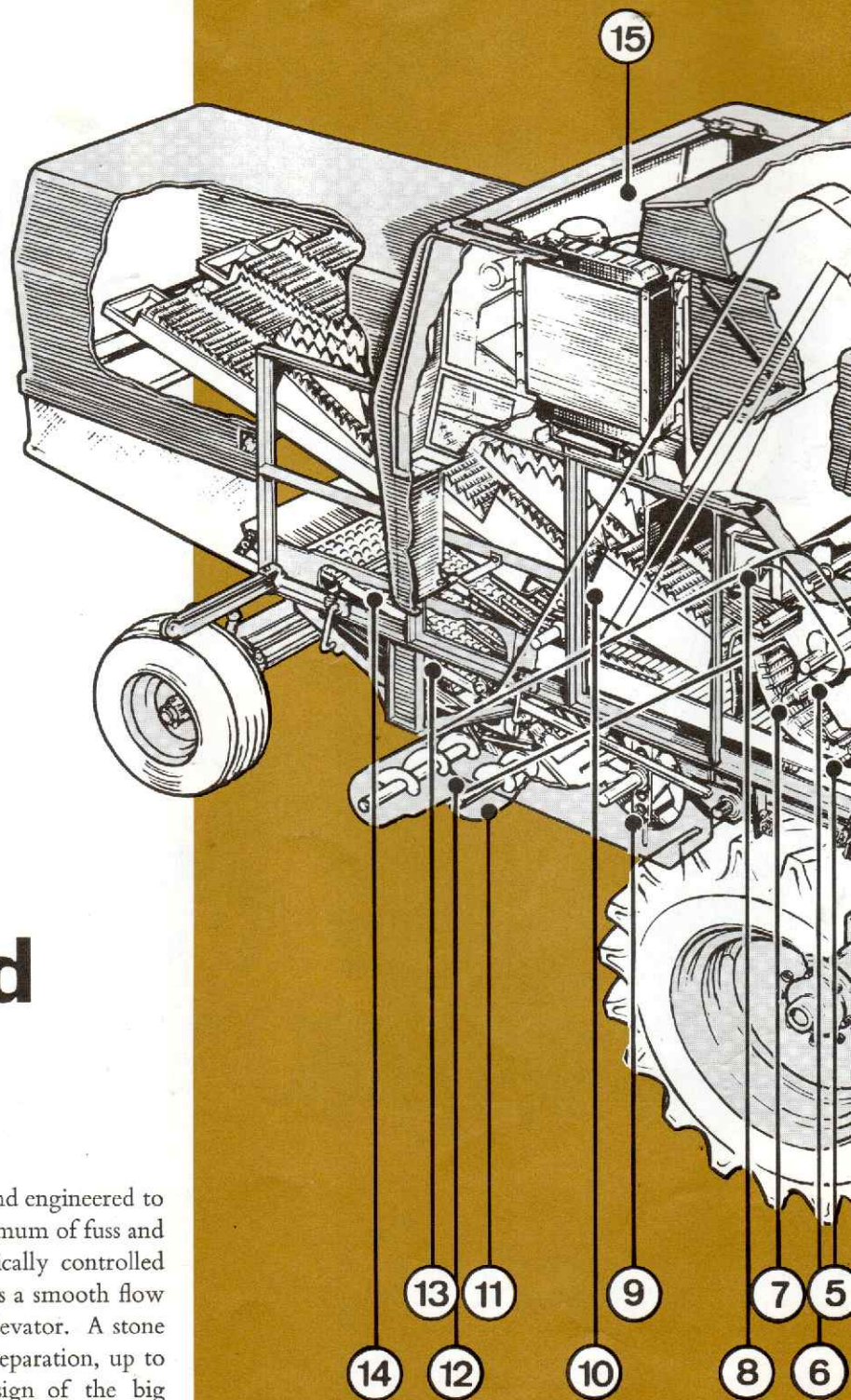
■ The need to harvest large grain acreage in a matter of days to beat the weather is emphasized more each year. For you this means that you must have capacity, and durability, as well as a machine that is dependable and easy to operate. A combine that « keeps going » each hour of the critical harvest season. The Clayson 135 offers all you've ever wished for. Hydrostatic steering, and many other convenience features, coupled with heavy-duty dependability throughout, makes the Clayson 135 a truly distinguished performer. From high on the driver's platform where you have a commanding view of the whole operation, harvesting the crop seems surprisingly fast and easy. Variable speed controls let you tackle heavy or light patches without loss of efficiency. Laid crops are no problem. The Clayson 135 has threshing, separating and cleaning ability to spare even in the toughest crops. And for harvesting capacity and staying power the Clayson 135 is unmatched in its size range.

# **Never a combine so dependable!**

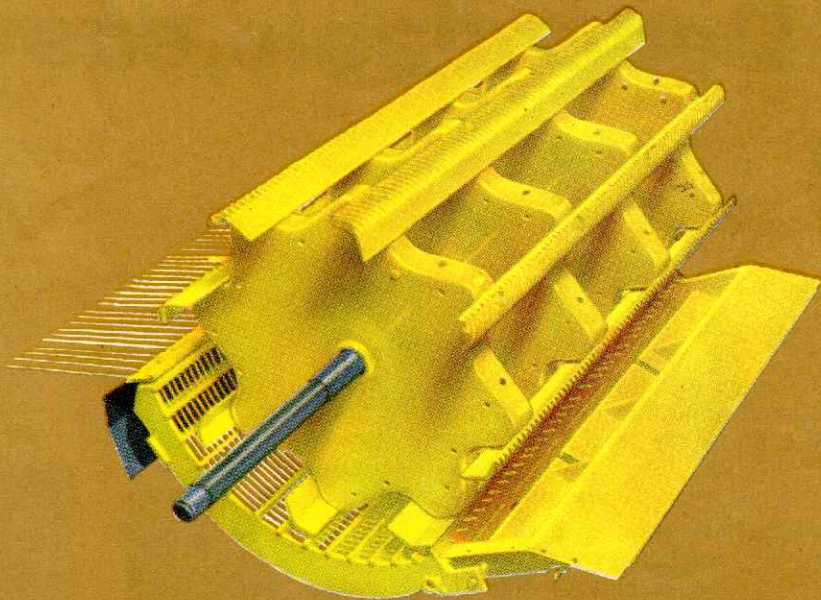
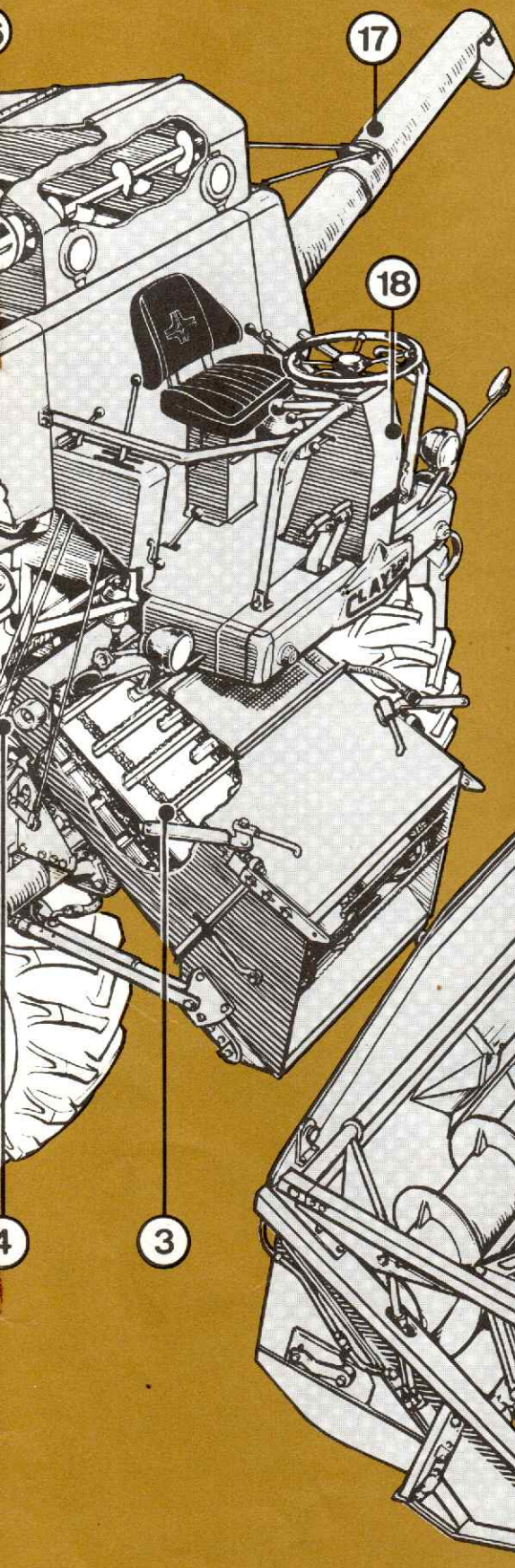


# Engineered for action

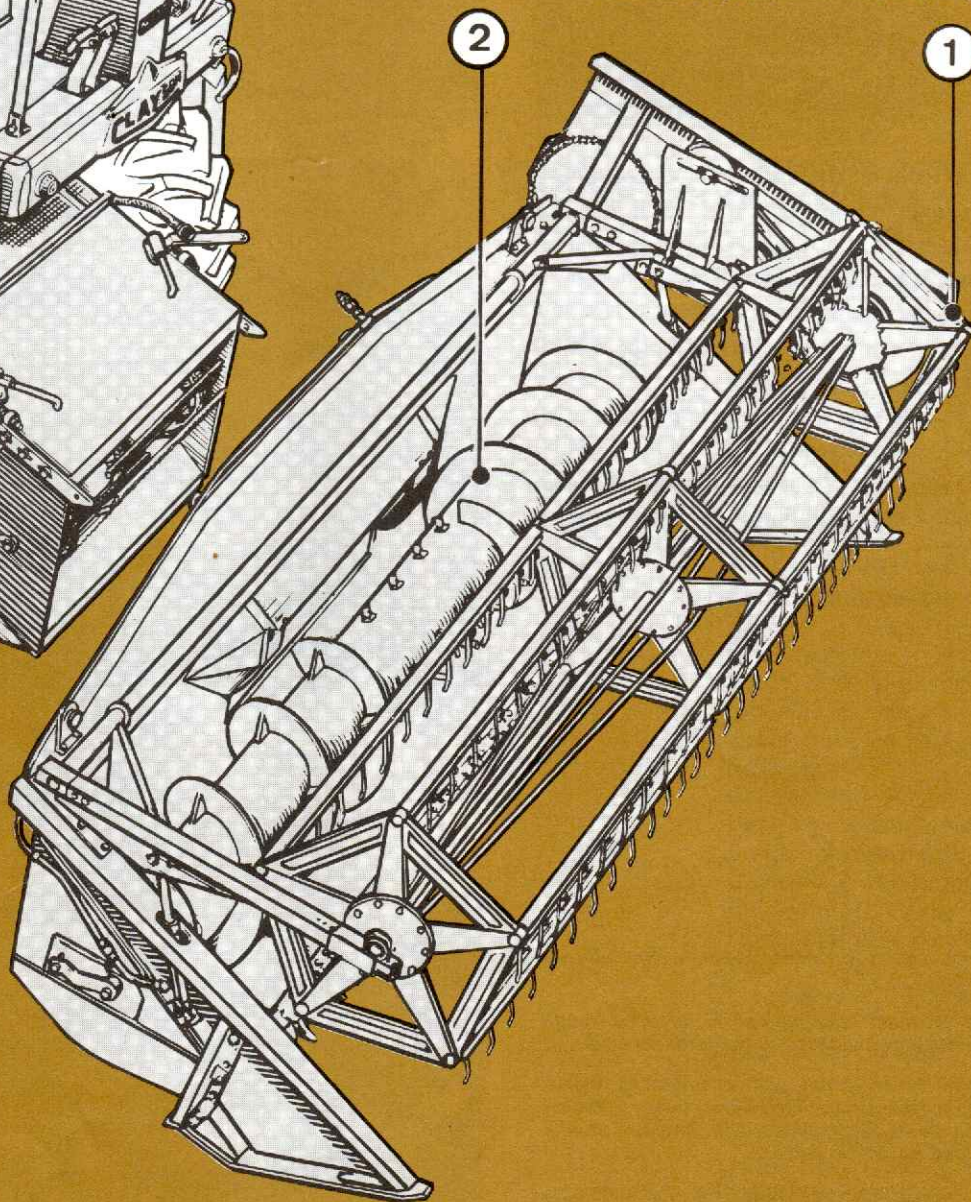
■ The Clayson 135 is specifically designed and engineered to harvest all of your crops, fast and with a minimum of fuss and bother. The header and reel with hydraulically controlled height adjustment and adjustable auger assures a smooth flow of material, even in laid crops, to the straw elevator. A stone trap keeps out foreign objects. High initial separation, up to 95 %, results from Clayson's balanced design of the big diameter drum and the huge wrap-around concave. A four-blade beater deflects the straw with any remaining grain to the strawwalkers. Fully adjustable sieves clean and separate the material aided by a powerful fan with controllable air output. Returns are taken by a rugged roller chain elevator and placed in front of the cylinder for re-threshing. Clean grain is moved by the grain elevator to the tank. The engine has ample power for the toughest job. And from the platform you are in full command even when engaging the unloading auger.



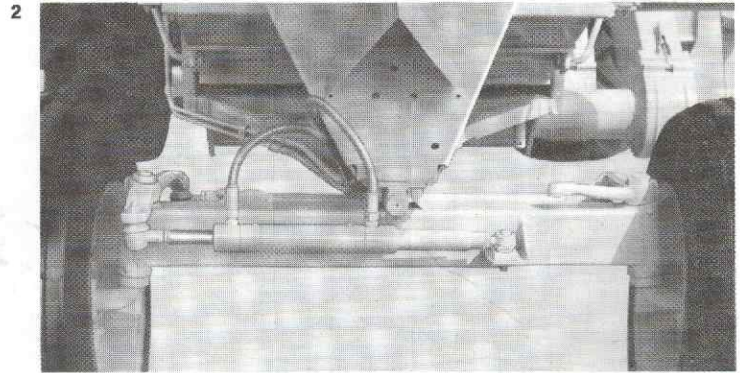
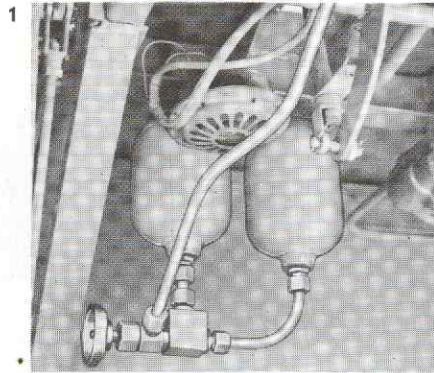
1 Pick-up reel / 2 Table auger / 3 Straw elevator / 4 Stone trap / 5 Shaker pan / 6 Cylinder / 7 Concave / 8 Beater / 9 Fanning mill / 10 Strawwalkers / 11 Grain auger / 12 Tailings auger / 13 Lower sieve / 14 Upper sieve / 15 Engine / 16 Grain tank / 17 Discharging auger / 18 Steering platform



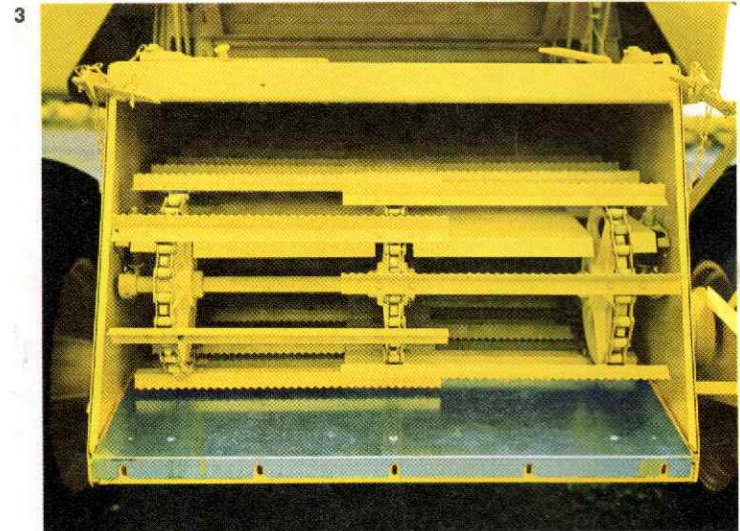
Variable-speed drum and large, wrap around concave provide maximum separation in the threshing area — up 95 % !



# Dependable, easy to maintain



■ The Clayson 135 is made to last, and is easy to maintain. The solid, one-piece steel frame guarantees strength and rigidity. All major bearings are mounted directly on the main frame, ensuring proper alignment. Header flotation is provided by hydro-pneumatic compensators. Heavy-duty steel roller chains are standard equipment in the straw, grain and return elevators. And features such as *exclusive* sealed bearings on straw-walkers, *exclusive* bell crank's two-piece design, variable control of reel, drum and groundspeed all add up to more reliable, high-speed harvesting without costly downtime.



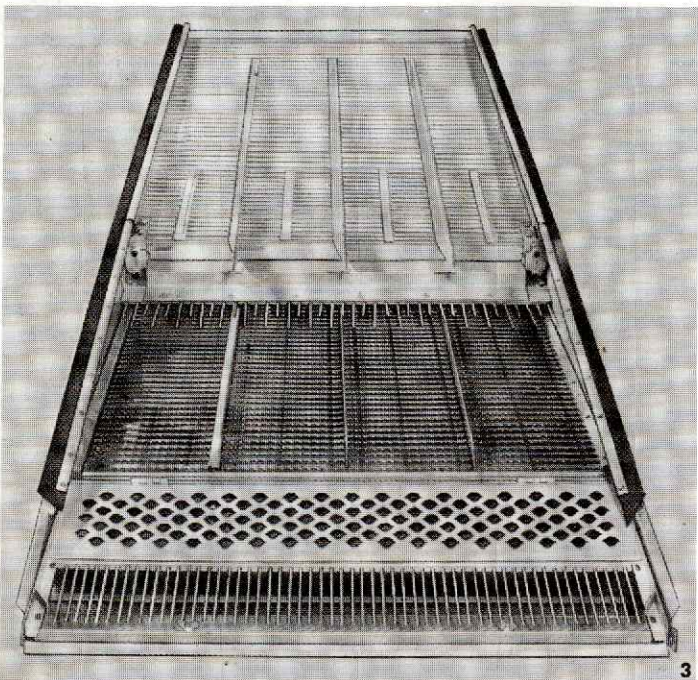
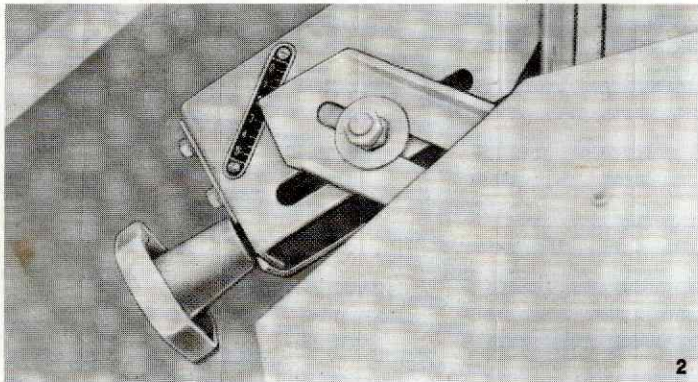
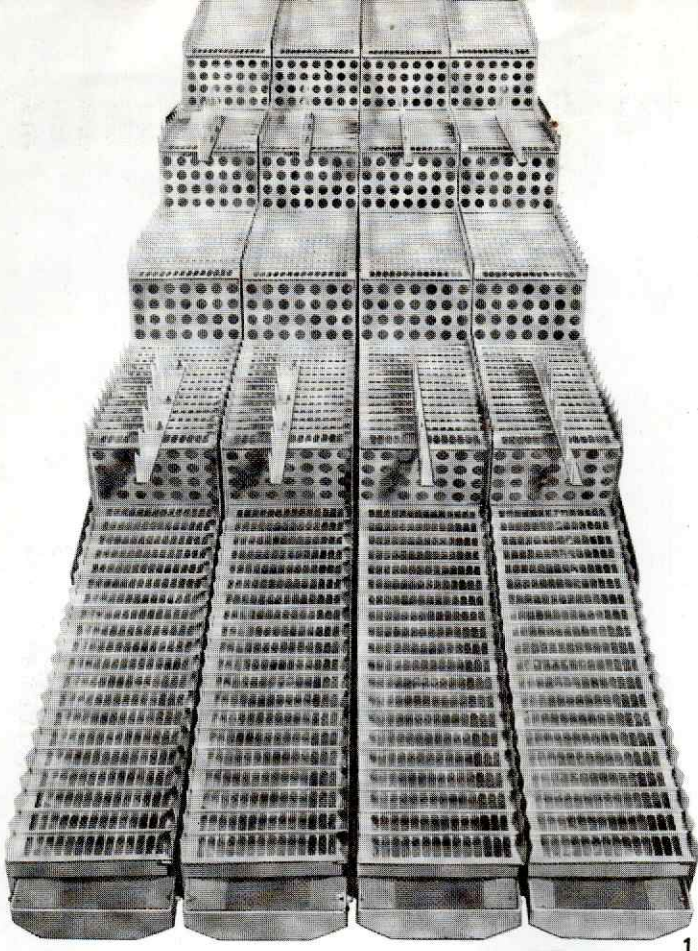
1 Hydro-pneumatic compensator provides flotation over uneven ground.

2 Wide wheel spacing provides stability and balance for rough going. Hydrostatic steering gives operator fingertip control.

3 Three heavy-duty steel roller chains with saw-toothed flights reliably feed the crop to the drum. The lower floating cross-shaft lets heavy loads pass. Dependable slip clutch protects drive chain from overload or shock damage.

4 The knife is driven by bell crank action, giving a smooth and reliable drive. Adjustment for knife register is simple. The *exclusive* two-piece design of the bell-crank permits fast knife removal.

# Superior separating, and cleaning



■ Separating and cleaning capacity of the Clayson 135 is matched to the threshing capacity and intake up front.

Extra-long separating length on the Clayson 135 means cleaner grain, and minimal loss. The four strawwalkers with a total effective separating area of 6727 sq. ins. (4,34 m<sup>2</sup>), run on sealed ball-bearings for longer life. Five high step strawwalkers fitted with aggressive combs give further assistance to minimize grain loss.

Cleaning capacity matches the separating capacity. Area under wind control totals 4109 sq. ins. (2,652 m<sup>2</sup>). Feeding to the sieves is even and regular because of the length and area of the separating pan and the presence of dividers. Extension fingers pre-separate grain from straw prior to final cleaning. Both sieves are fully adjustable and under adjustable wind control. Dividers assist in keeping grain from shifting on hill sides. A rugged roller chain return elevator places the returns in front of the cylinder for re-threshing.

1 Four 5-step walkers provide effective separation over full 6727 sq. ins. (4,34 m<sup>2</sup>). High risers provide aggressive separating action with plenty of overhead clearance for extra-heavy crops.

2 Variable speed fan has simple adjustment for more uniform airpattern than side vent controls. This results in a better cleaning action.

3 Cleaning capacity is matched to the performance of the Clayson 135. Sieves are adjustable. The cleaning area of fully 4109 sq. ins. (2,652 m<sup>2</sup>) is under wind control.

# SPECIFICATIONS

<b>Cutterbar width</b>	(real cutting width) 2,59 m, 3,05 m, 3,35 m, 3,66 m, 3,96 m, 4,57 m, 5,18 m, 5,79 m. Adjustable or fixed dividers.
<b>Cutting height</b>	— 10 cm to + 110 cm, on 15 x 30 tyres, hydraulically adjustable from driver's seat. Hydropneumatic compensator fitted.
<b>Feeding auger</b>	15 round fingers : mounted on sealed ball bearings; 50-tooth sprocket (fitted) and 65-tooth sprocket.
<b>Knives</b>	Two : one under-serrated, one over-serrated (mounted).
<b>Knife drive</b>	Horizontal, bell-crank type.
<b>Pick-up reel</b>	Type : 5 bats with mechanically adjustable tines for angle. Speed and height adjustable from operator's platform.
<b>Drum</b>	Diameter : 600 mm Width : 1000 mm 8 rasp-bar type; mounted on heavy-duty sealed ball bearings; speed variable from 450 - 1050 RPM from operator's platform.
<b>Concave</b>	14-bar type; angle 112° Separation capacity : $\pm 95\%$ Front and rear clearance instantaneously ad- justable from operator's position; fitted with stone trap and awning device.
<b>Strawwalkers</b>	Number : 4 Width : 103 cm Length (extensions included) : 3,80 m Area (with extensions) : 3,91 m <sup>2</sup> Strawwalkers are mounted on sealed ball bearings.
<b>Cleaning</b>	Upper sieve, with graepel sieve and rake, and lower sieve are adjustable; high efficiency fan (6 blades) has speed range from 550 to 950 RPM. Total cleaning area (with extensions) : 2,652 m <sup>2</sup> .
<b>Tyres</b>	Traction : 15 x 30 (8 ply) Steering : 10 x 18 (6 ply) 2 independent foot brakes which can be used for steering.
<b>Brakes</b>	Parking brake by locking the foot brake (warning device on control panel).
<b>Ground speed</b>	<b>1. On tyres 15 x 30</b> 1st gear : 1,62 to 3,86 km/hr 2nd gear : 3,71 to 8,81 km/hr 3rd gear : 9,02 to 21,41 km/hr reserve : 3,26 to 7,75 km/hr <b>2. On tracks</b> 1st gear : 0,56 to 1,35 km/hr 2nd gear : 1,30 to 3,08 km/hr 3rd gear : 3,16 to 7,50 km/hr reserve : 1,14 to 2,71 km/hr Tolerance : $\pm 10\%$





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

**Clayson Combines** are designed for maximum durability and reliability, but should you need parts or service, New Holland 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 New Holland dealer.

 **NEW HOLLAND**

Practical in design • dependable in action