

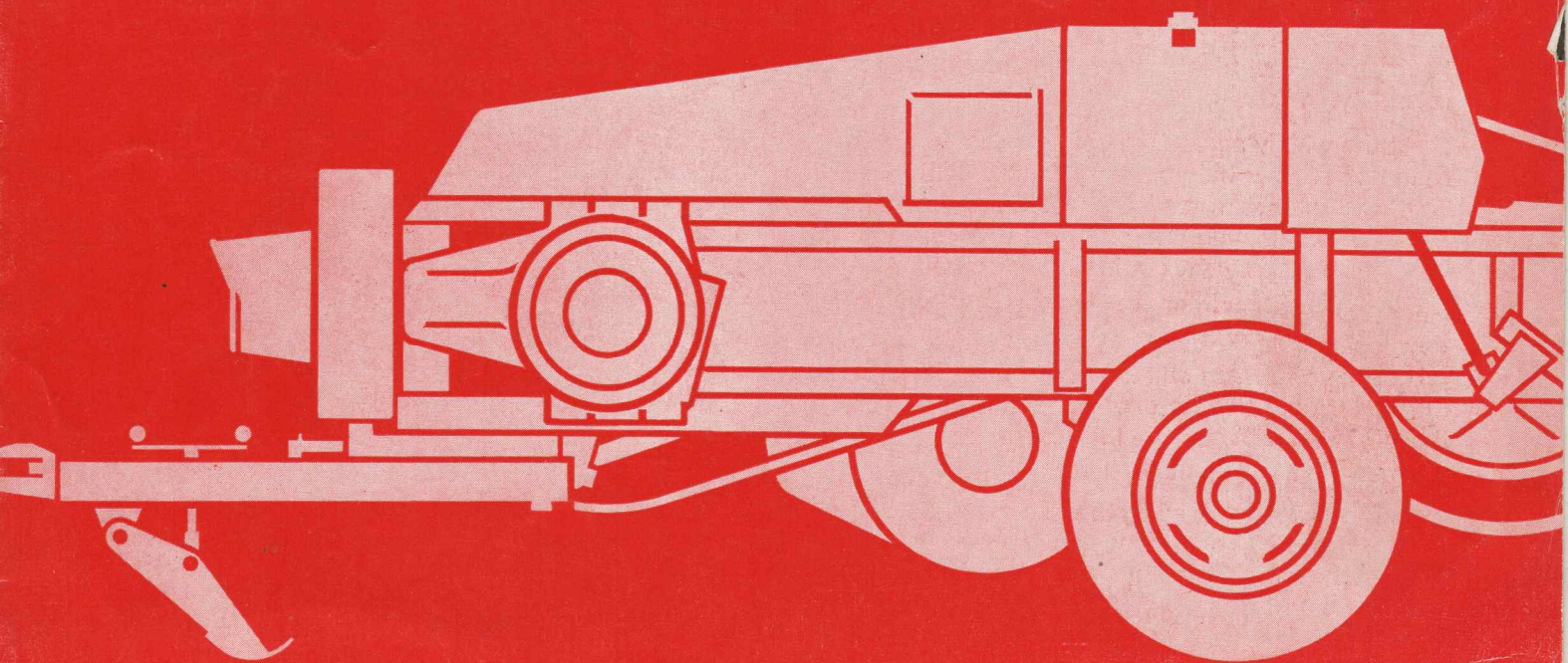
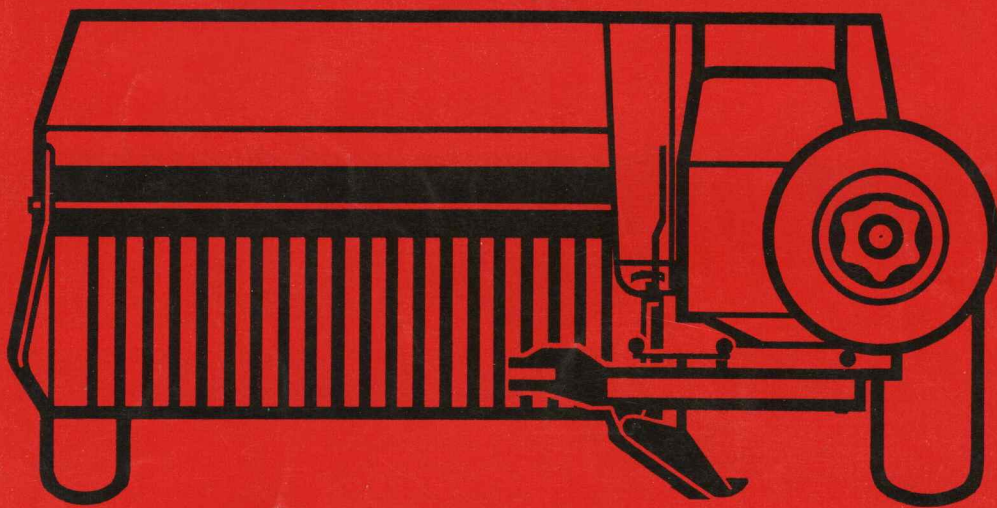
WELGER

Big

High-Density
Pick-up Baler

AP 71
AP 71 D

German and Foreign
Patents





The Top Class High-Density Baler

AP 71

With an hourly throughput up to 20 tons, the AP 71 sets new standards in mechanical harvesting. It counts among the highest capacity high-density balers in the world.

Over many years, WELGER have specialised in the building of low-cost labour-saving machines for the gathering of crops which meet the most exacting demands of modern farming practice. Hard at work in all four corners of the globe, Welger balers have proved their design perfection and unsurpassed reliability.

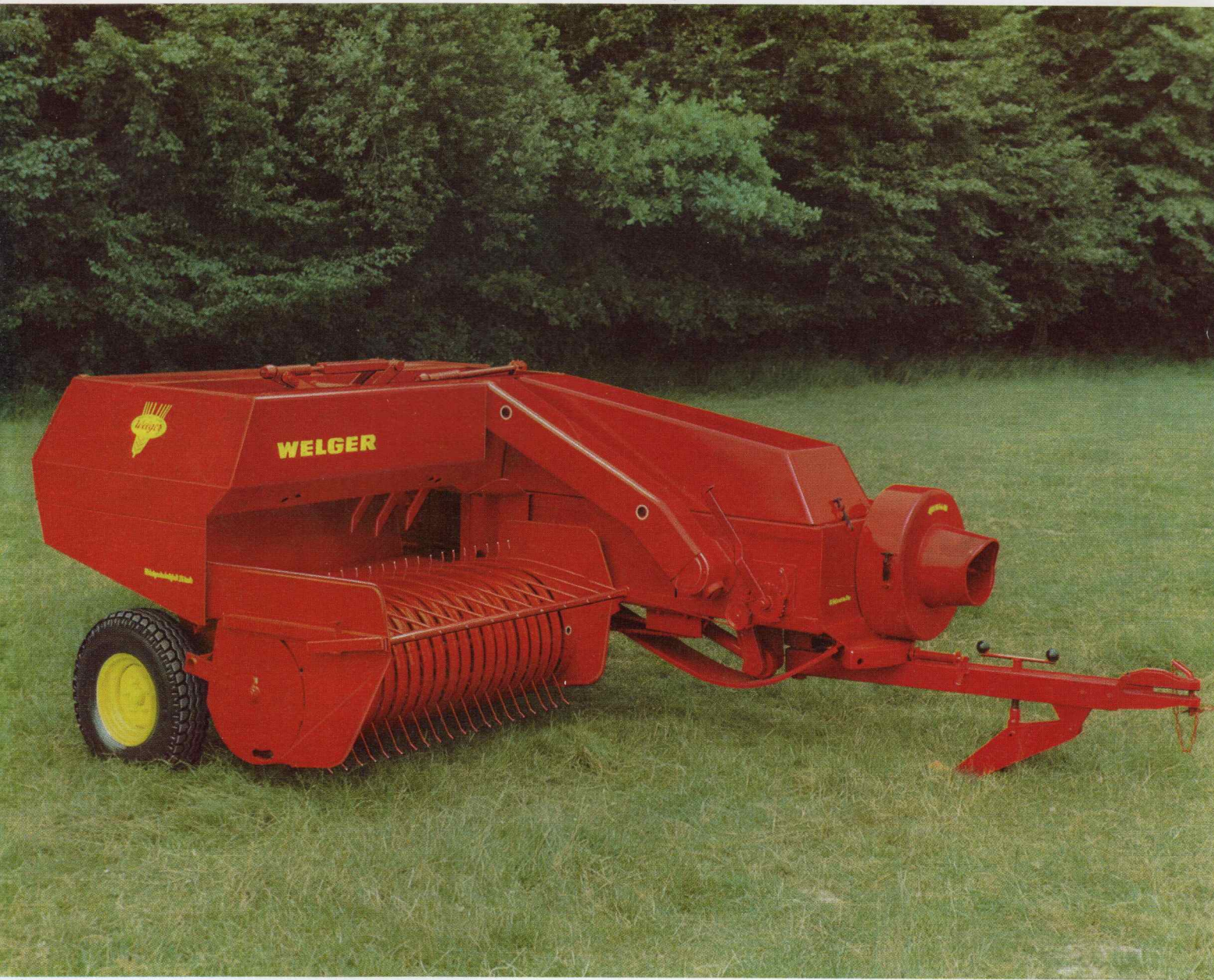
From the widely spread, closely graded production range of Welger balers, every farmer can confidently select a model to match the particular needs of his holding and cropping programme and ensure maximum cost cutting in operation.

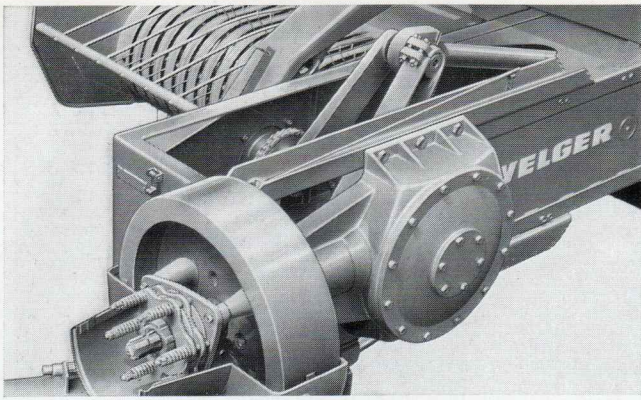
Now Welger have extended the range with the development of the AP 71 in order to offer progressive farmers still larger harvesting machines of greater capacity. Its exceptional output makes the AP 71 a leader on the international market.

The basic design features of the AP model series have for years led the way in the construction of balers. The AP 71 continues this pioneering tradition and has become the standard for highest quality and capacity.

The AP 71 fully shares the superior properties common to all Welger balers. Properties every forward-looking farmer and contractor insists upon to cope with the toughest harvesting work. They include exceptional performance in continuous service, absolute reliability and safety, resistance to wear, simple operation and maintenance.

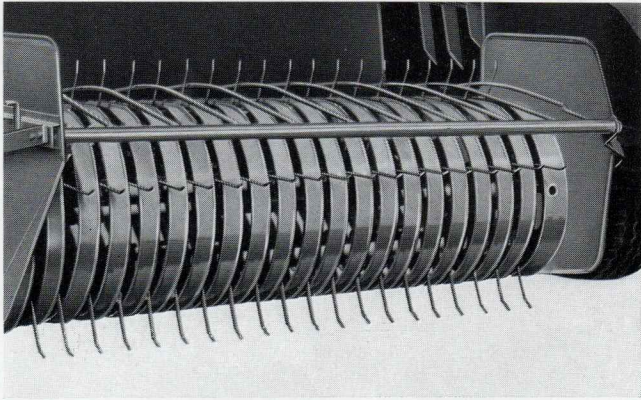
The AP 71 is the ideal machine for coping with substantial crop volumes at a smart pace, highly suitable for the larger estates, agricultural contractors and machinery co-operatives. For them the AP 71 makes a decisive contribution to efficient work schedules. On medium-sized holdings with correspondingly lesser volume to handle, the AP 71 offers the capacity margin essential for handling seasonal peak loads.





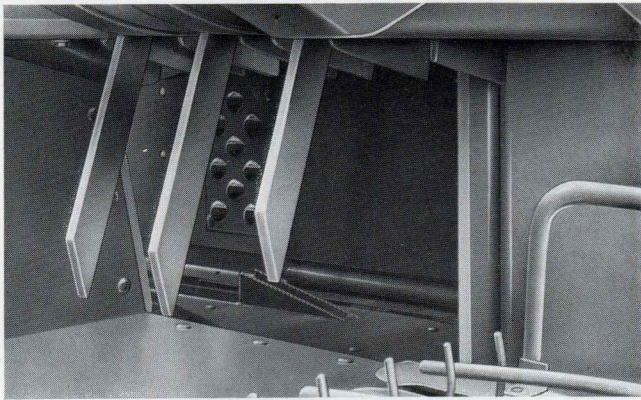
Powerful Drive

Baler drives must stand up to high, continuous duty loads and at the same time be efficiently protected against damage by overload. The oilbath gearbox of the AP 71 meets these demands with its spiral bevel gears and an over-sized free-wheel plate clutch.



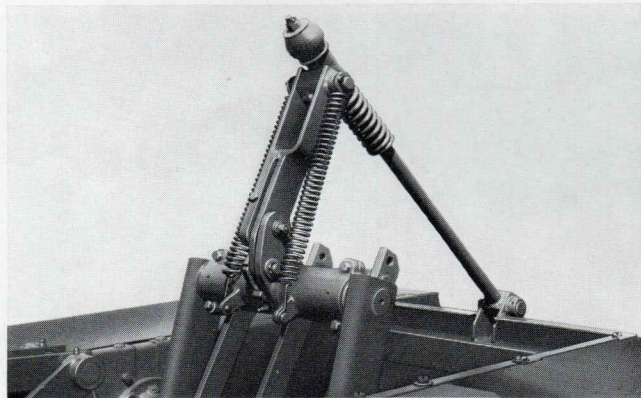
Extra-wide Pick-up

The AP 71 is fitted with the famous Welger pick-up. With its five rows, each of twenty long closely spaced spring tines, it takes the material smoothly to the feed table. The tine tips are slightly cranked to pick up also short-stalk crops cleanly and reliably. The broad swivel range of the long drawbar brings the exceptional pick-up width of 5 1/4 ft. (over 1,60 m) fully into action.



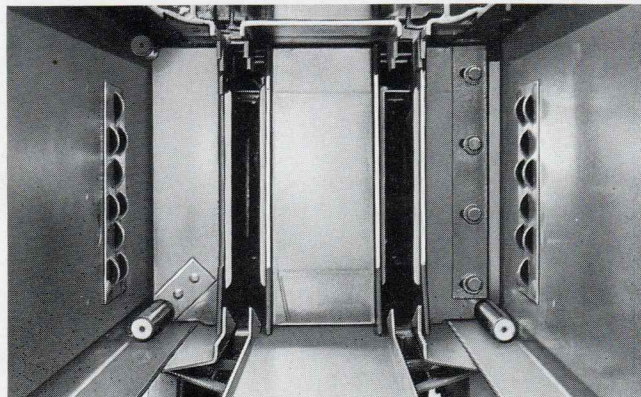
Large Absorption Capacity

The two synchronized packer forks of the cross feeder, fitted with two and three feed rakes, evenly convey the material. They guide high-piled windrows smartly into the wide intake hole of the baling chamber. It is this reliable feed system which gives the AP 71 enormous capacity.



Effective Safeguards Prevent Damage

Even a top capacity baler must be efficiently protected against overload to minimise possible damage. On the AP 71, the right-hand packer fork (see illustration) is fitted with a shear pin and draw-spring protection, while another shear pin safeguards the flywheel. The dual-acting knotter shaft clutch and a ratchet trip on the pick-up drive are additional effective safeguards.

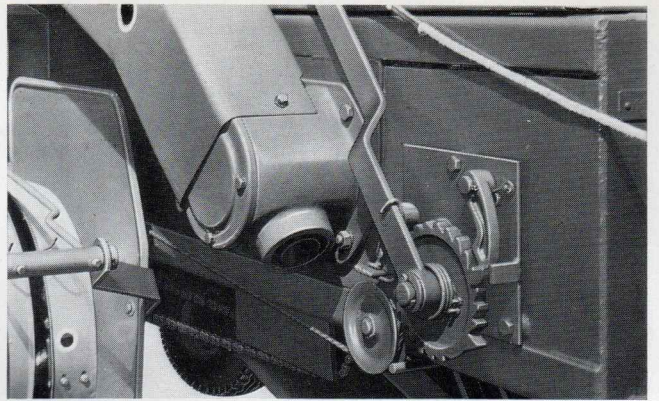


Novel Ram Guidance

The chamber cross section of 16 in. x 19 in. (400 x 480 mm) meets the demand of many farmers for a larger and more voluminous, yet still compact and easily handled bale. The novel, patented diagonal ram guidance ensures permanently accurate ram travel and eliminates maintenance work. Only six guide rollers cut down wear parts to the minimum.

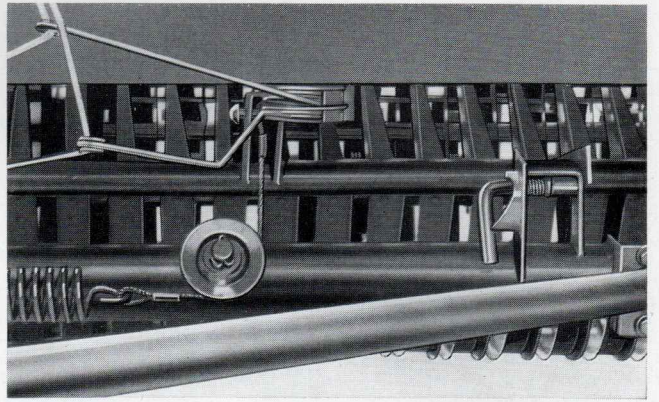
Patented Pick-up Lift

Like all Welger balers, the AP 71 is fitted with a patented pick-up lift control. Conveniently operated by cable from the tractor seat, it automatically raises and lowers the pick-up in steps for close matching to ground contours. At the start of the windrow, the pick-up is quickly lowered and just as speedily raised clear at the end.



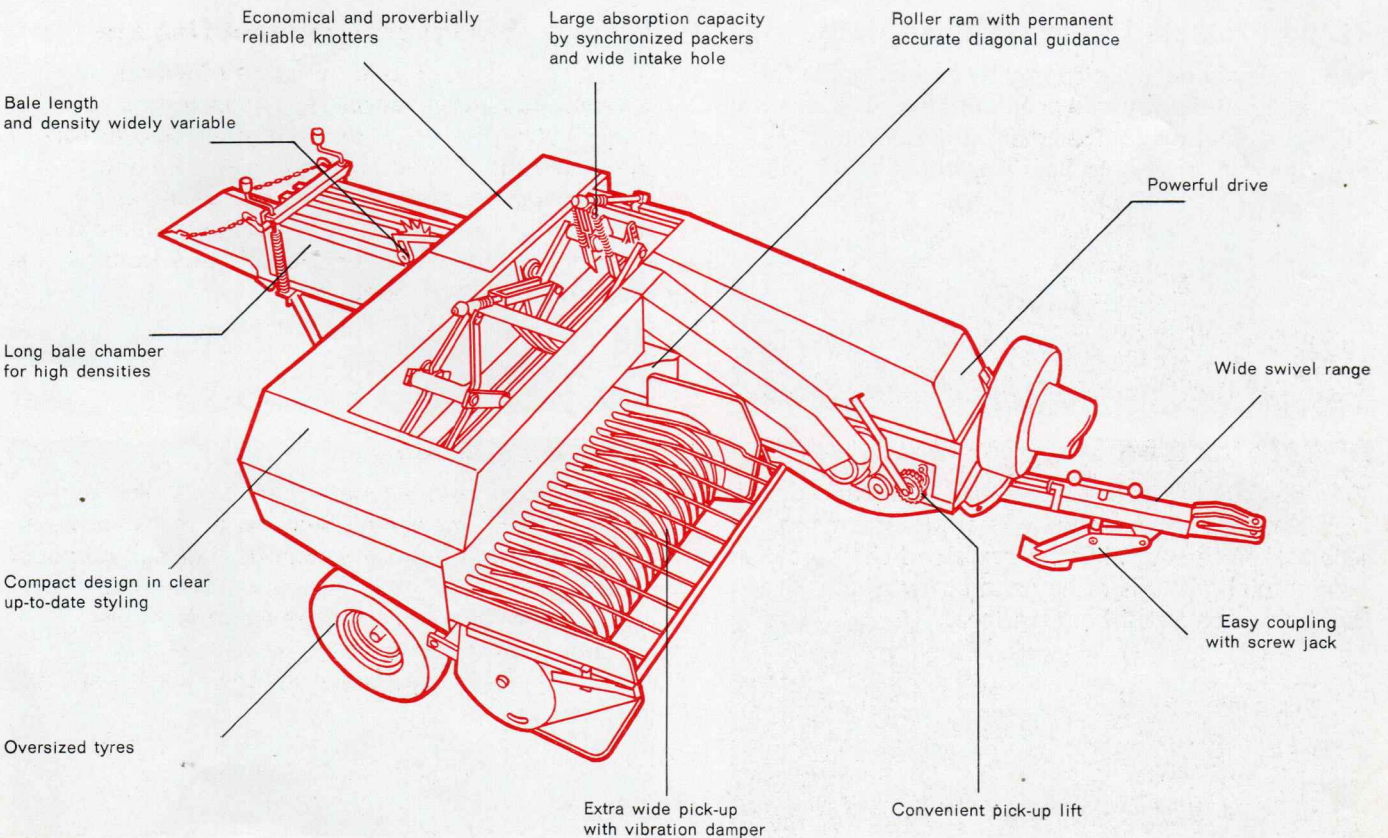
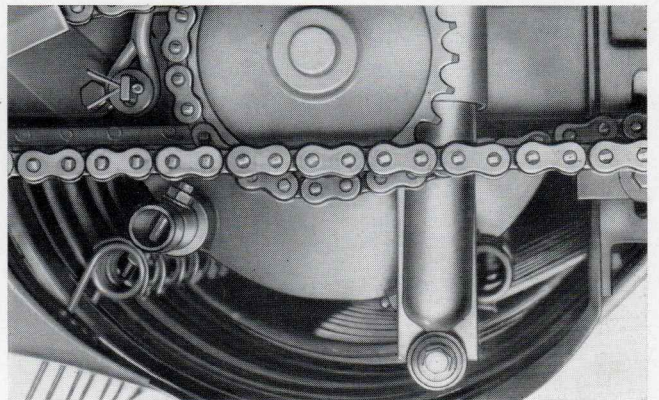
Effortless Operation

Adjusting the pick-up for height is child's play, since its considerable weight is taken up by a spring balancer. This also relieves the bearings from load and permits the pick-up to ride easily over ridges and raised contours. For driving from the field, the pick-up can be locked by catch in the raised position.



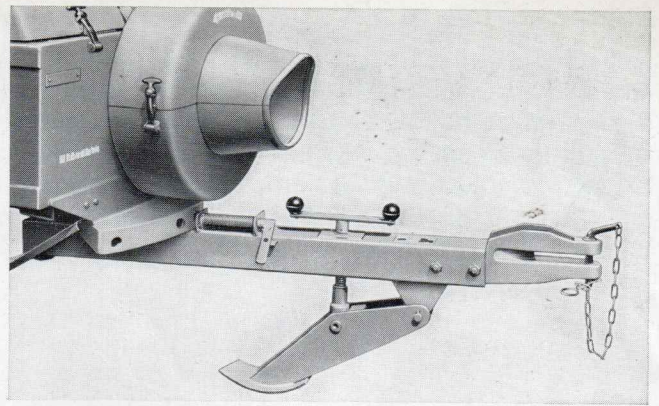
Anti-vibration Pick-up Suspension

Another comfort feature is the hydraulic vibration damper which cushions all pick-up jolts when driving fast over uneven ground and prevents any "bucking". The AP 71 can be driven at a smart clip without hesitation.



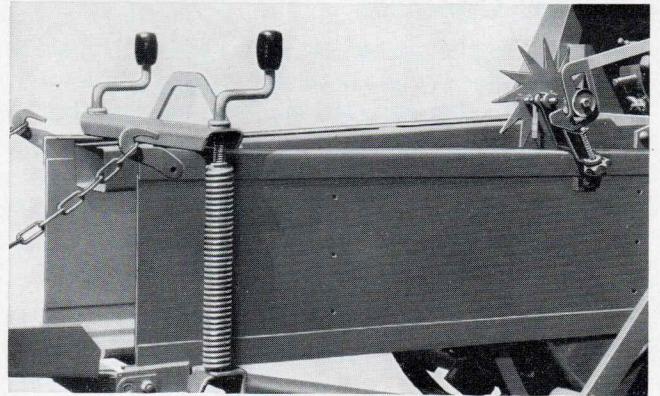
Wide Swivel Range, Easy Coupling

The drawbar of the AP 71 can be swung into three different positions for transport and work in the field. Its smoothly moving spring lock can be operated from the tractor seat by cable. The long slot of the hitch gives a wide swivel range when turning, lends the baler its excellent all-round manoeuvrability. With the screw jack the machine is effortlessly attached and uncoupled.



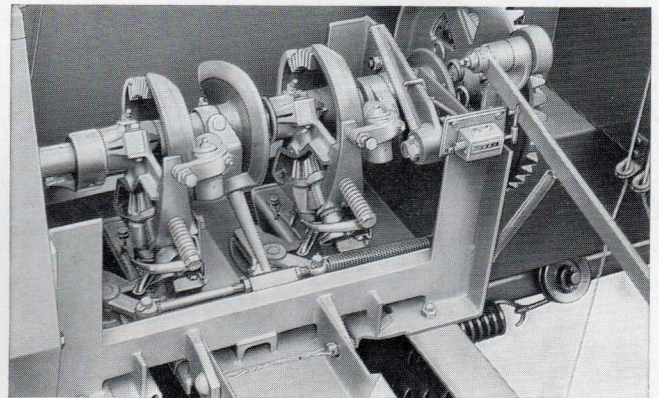
Bales to Your Choice

Conveniently accessible screw spindles set bale length and compaction to suit all requirements. Bale length is variable between 20 in. and 47 in. (50 to 120 cm), density over a wide range from 26 to 77 lbs. baleweight. The long AP 71 bale chamber is designed for compacting material to exceptional density.



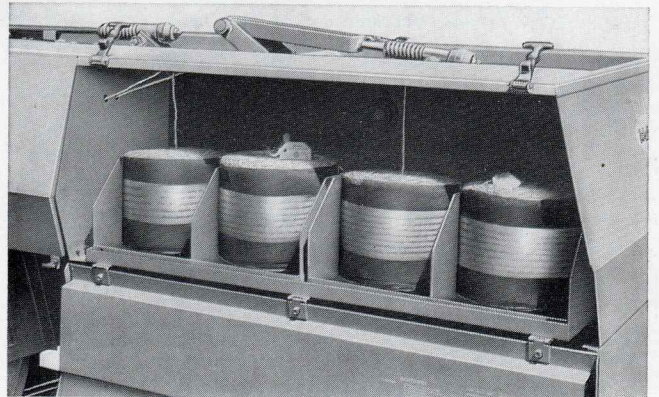
Economical, Foolproof Knotters

The tying mechanism is the heart of any baler. Welger knotters have proved their worth in more than 100,000 machines, being equally suitable for sisal and plastic twine. The special twine retainer shape handles different twines (225 or 165 ft./lb. runnage). The knot automatically slips off, stays firmly tied even where the thinner high-density baler twines with their considerable cost advantages are used.



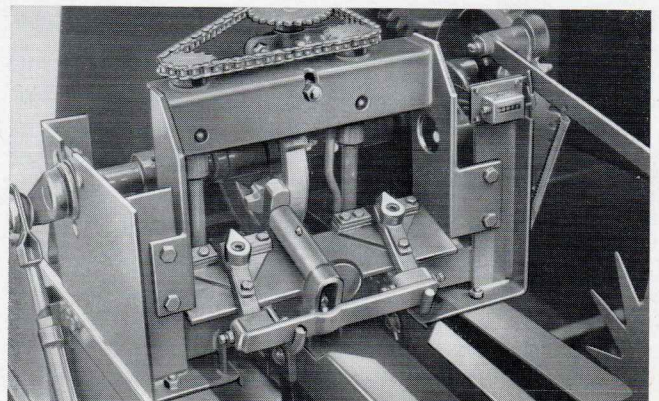
Twine Protected from Weather

The readily accessible roomy twine box holds four spools, tucked away well protected from the weather. In its special box compartment, the operating instruction is always to hand for consultation when needed.



AP 71 D for Wire Tying

Version AP 71 D is equipped with automatic double wire tying, on request also with triple wire tying. This makes the AP 71 D the preferred choice of commercial growers of hay and straw, since wire-tied bales command better prices.





Main Feature — Top Capacity

Farmers, contractors and machinery co-operatives cropping large acreages and having to cope with substantial volumes at harvest time, and all who farm in less favoured climates and have to concentrate their crop gathering into a few days of fine weather, can handle peak work loads with the AP 71 at a pace they never dreamed of.

The machine is used to equal effect for bringing in hay, air-dried hay and straw. It handles with the utmost efficiency the large, high or wide windrows left behind big combines. Smaller swaths are best raked together into larger windrows.

To get the full benefit of the machine's outstanding capacity, it is advisable to fit a side deflector, depositing the bales in neat rows, or a bale thrower, instead of the loading chute.

P 22 Bale Thrower for Genuine One-man Operation

The hydraulically powered P 22 bale thrower is a time, cost and labour-saving attachment for working with the AP 71. It welds tractor, baler and haulage trailer into an efficiently synchronised working line which allows the tractor driver alone to gather, bale and load the crop without any manual labour. In this way, the high output of the AP 71 comes truly into its own.



S 40 Tractor-mounted Bale Thrower Makes Work Schedules More Efficient

The tractor-mounted bale thrower, model S 40, also loads finished bales in one-man operation. Separating the baling from the loading operation can bring substantial advantages in drawing up flexible daily work schedules. In addition, it gets the last ounce out of the baler's capacity. With its high loading speed of 15 to 20 bales per minute, the tractor driver easily covers a large acreage (for details on P 22 and S 40 bale throwers, please ask for separate literature).





WELGER Trailers for Farmers Who Insist on the Best

Welger tipping, platform and special-purpose trailers for fast-moving towing vehicles meet the modern farmer's most stringent requirements in every way. A closely graded, up-to-date range of models from 2.5 to 6.5 ton payloads covers every imaginable haulage job.

The Welger baler series comprise, in addition to the AP 71, high-density balers of 10, 12 and 15 ton hourly throughput, also bale throwers and low-density balers. Welger also offer a complete production programme of haulage wagons and manure spreaders.

Technical Data

Chamber size	16 in. by 19 in.	Pick-up working width	5 ft. 4 in.
Bale length, finely variable from	20 in. to 47 in.	Baler weight	3420 lbs.
Bale weight, depending on length and density AP 71	26- 77 lbs.	Length (set for transit)	16 ft. 9 in.
AP 71 D	44-100 lbs.	Width	8 ft. 8 in.
Double tying with		Height	4 ft. 7 in.
AP 71: sisal twine of	225 ft/lb. runnage	Track width	7 ft. 4 in.
or	165 ft/lb. runnage	Tyres, right	10-15 AM
AP 71 D: wire of	1/16" gauge	Tyres, left	7,00-12 AM
Tying material consumption per 20 cwts. at average bale weight		Capacity (hay) depending on type of crop and working conditions, with side deflector fitted	up to 20 tons/hour
AP 71, approx.	2 lbs. of twine	Required tractor power, depending on duty and terrain	from 40 h.p.
AP 71 D, approx.	8 lbs. of wire		
Ram strokes per min.	80		

Standard Equipment

Universal shaft drive; pick-up reel with quick-setting cable control from tractor seat; swivelling drawbar; drawbar jack; front hitch, 13/16" dia., 1 1/8" dia. on request; balloon tyres; bale counter; guards; set of tools; operating manual and spare parts list.

Extra Equipment

Universal shaft in various versions; rear trailer hitch, on request adjustable for length; side deflector chute; bale throwers; loading chute; pick-up cover; over-size tyres.

All data are approximate. As improvements are introduced from time to time, we reserve the right to make alterations without prior notice.



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