

JONES MK.16 PICK-UP BALER

High capacity – modern design and engineering



Jason C.

JONES BALERS





A positive gear and shaft drive to most of the major driven units — a new concept used by Jones for the first time in the Mk.16 Baler. This drive system is more efficient, more reliable and is a vital part of the modern engineering employed in the design and production of this Baler.

It is robustly built, completely guarded and has a high output which can be consistently maintained over long operating periods, allowing it to deal effectively with large acreages of hay and straw — it is particularly suitable for following large combine harvesters.

Available with twine or wire tying units, it produces a bale 14 in deep x 18 in wide (36 x 46 cm) with lengths up to 52in (132cm) as required. The Mk.16 has a wide pick-up, flared to 64in (1m 62), a capacious feed housing opening and a twin fork cross feed system (with 3 tines on each of the feed and packer forks). This ensures a smooth and continuous crop flow into the bale chamber.

SAFETY PROTECTION OF DRIVES

To prevent overload damage to the baler and gear box, the flywheel is fitted with a friction clutch. A further friction clutch and an over-running free wheel clutch protect the p.t.o. drive. Shear bolts and overload springs are fitted to both feed and packer forks. Friction brakes are fitted to both needle yoke and knotter. A safety stop is also fitted to prevent

damage to the needles by the ram.

FAST OPERATING SPEED

The ram runs on ball bearing rollers at 90 strokes per minute (at 540 r.p.m., p.t.o. speed) and it has a stroke of 30in (76cm). To ensure smooth running the gearbox crank is counter balanced.

GROOVED BALES — neat, tight and easy to handle.

The special chamber design produces bales grooved with recesses for the twine. These have 4 advantages:—

- (1) The grooves retain the twine on the bale
- (2) A marked saving of twine is achieved
- (3) Grooves assist air to circulate around the bales when stacked
- (4) Minimises damage during mechanical handling

TWINE OR WIRE TYING

The twine knotters are well-proved for efficiency and can be relied on to give securely tied knots, so that the bale produced is of good shape, is tightly tied and furthermore stays tied as long as required. All knotter wearing parts are plated to give smooth operation and long working life. The knotters operate equally well with sisal or polypropylene baler twine. The twine box holds 6 balls of twine which are positively retained by special patented hinged partitions.

The twine knotter unit is interchangeable with the 2 wire twister unit.

A one-shot lubrication system to the knotters and needle yoke is a special feature provided on the SUPER model.

EASY HITCHING AND TRANSPORT

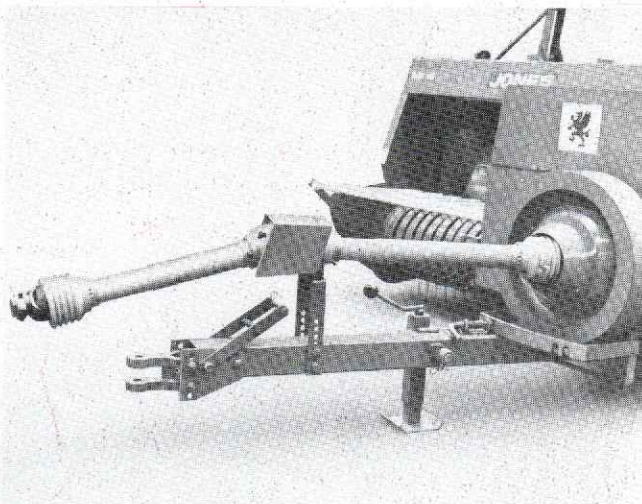
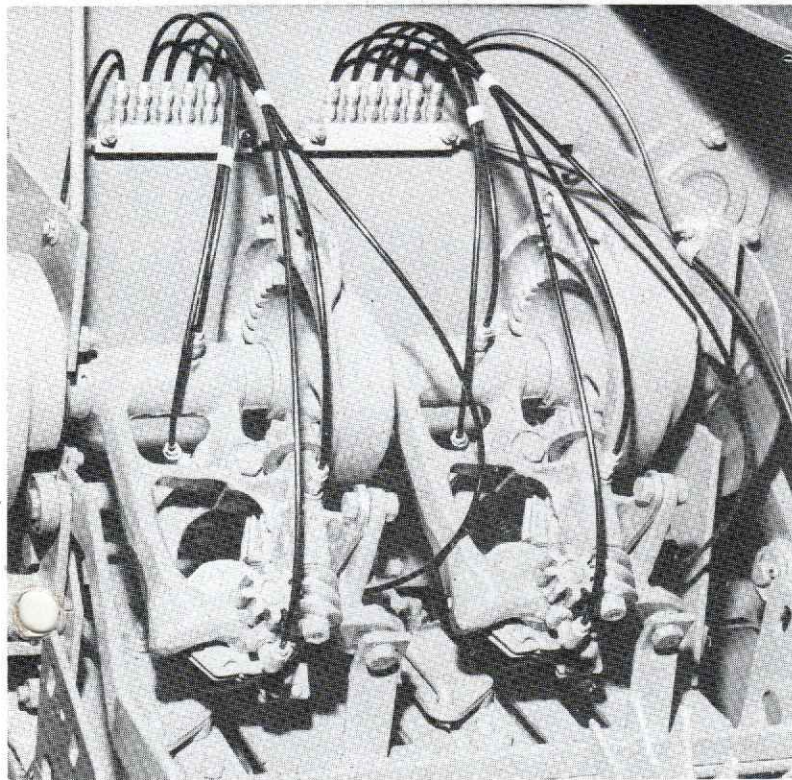
A two-position swinging drawbar — working and transport — enables the full collecting width of the pick-up to be used when baling and yet allow compact alignment behind the tractor for transport, the right hand road wheel can be locked to facilitate movement of the baler from transport to working position and vice-versa. A heavy duty adjustable clevis and a strong pivoting jack are mounted on the drawbar to simplify hitching. A two-part p.t.o. drive shaft is fitted to the SUPER model.

The Mk.16 baler is available in 2 models — Super and Standard. The SUPER model is equipped with several extra features as follows:—

- (1) 2-position close-tine pick-up which can be raised or lowered from the tractor seat. Fitted with land wheel.
- (2) One-shot lubrication system for knotters and needle yoke — saves time in maintenance.
- (3) Large flotation tyre fitted to L.H. wheel.
- (4) Two-part p.t.o. drive shaft fitted.
- (5) Sledge hitch fitted as normal equipment.

JONES MK.16 BALER

WITH GEAR AND SHAFT DRIVES TO MAJOR DRIVEN UNITS



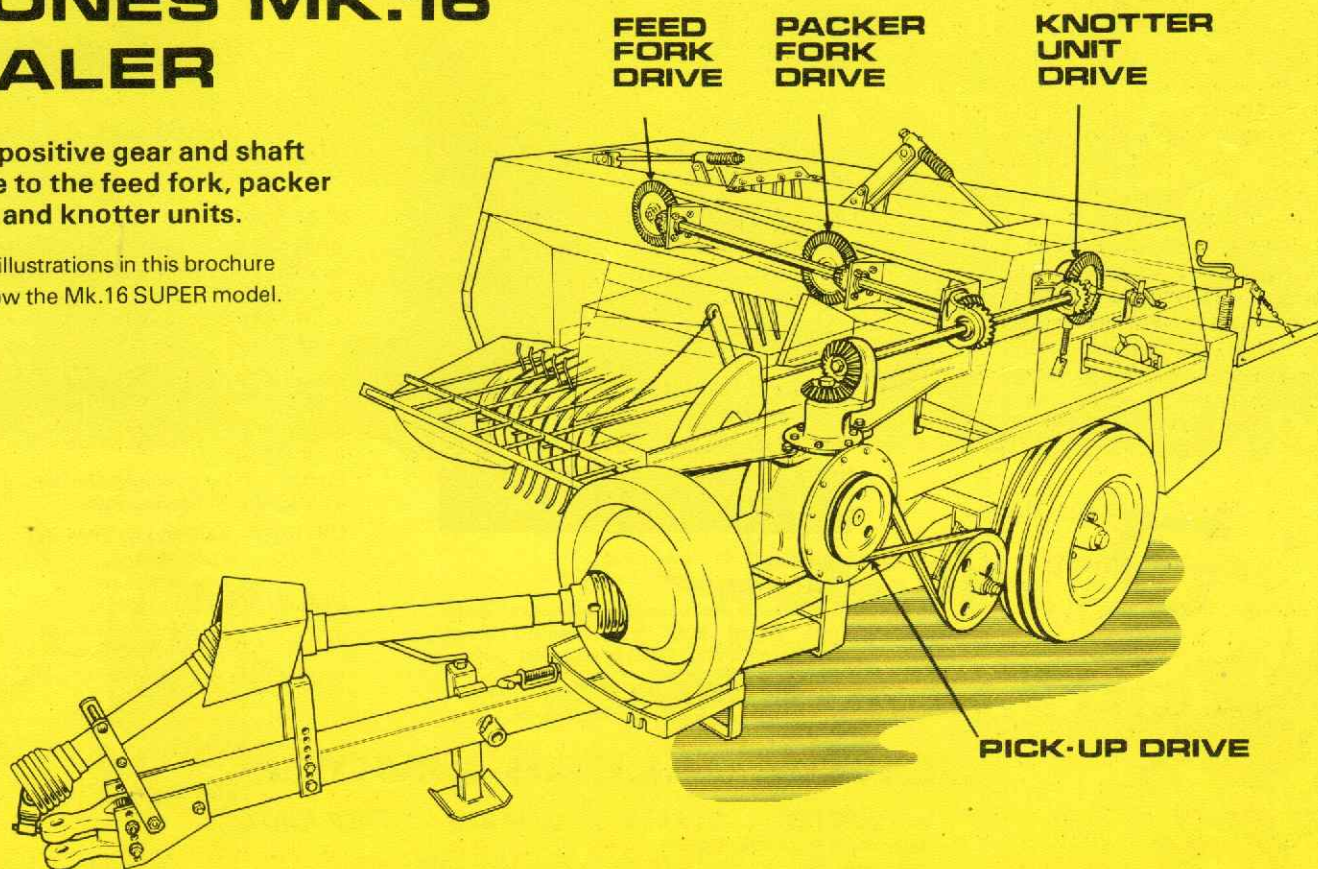
(Above)
Two-part p.t.o. drive shaft fitted as normal equipment on SUPER models.

(Left)
One-shot lubrication system for knotters and needle yoke — a time saver in maintenance.

JONES MK.16 BALER

The positive gear and shaft drive to the feed fork, packer fork and knotter units.

All illustrations in this brochure show the Mk.16 SUPER model.





SPECIFICATION

We reserve the right to alter specification details, dimensions etc., without notice or without liability.

PICK-UP

Width 60in.(1m 50) flared to 64in.(1m 62).
Lift height 7in (18cm).
SUPER — Rotary 5 bar close tine — 19 tines to each bar.
Lift height mechanically adjustable from tractor seat.
2-position pick-up.
STANDARD — Rotary 4 bar, 13 tines to each bar.

KNOTTER OR WIRE TWISTER

2 twine knotters or twin wire twister.
Friction brake for knotters and needle yoke.
All wearing parts of knotters are plated.

BALE SIZE

14in deep x 18in wide (36cm x 46cm).
Grooved
Easily regulated metering device gives lengths up to 52in (132cm) as required.
Bale counter standard.

TWINE

No. 2 or medium — sisal or polypropylene.

WIRE

14 SWG (2 coils of 100 lb (45kg))

BALER WIDTH

SUPER — 8ft 7 $\frac{1}{2}$ in (2m 62).
STANDARD — 8ft 2 $\frac{1}{2}$ in (2m 50).

BALER LENGTH

in transport position, tail gate up.
SUPER — 16ft 11in (5m 15)
STANDARD — 14ft 10in (4m 52)
in working position, tail gate down
SUPER — 18ft 8in (5m 69)
STANDARD — 16ft 7in (5m 05)

BALER HEIGHT

4ft 5 $\frac{1}{2}$ in (1m 35).

BALER WEIGHT

SUPER — 3660 lb (1660kg).
STANDARD — 3380 lb (1533kg).

TYRE SIZES

SUPER — L.H. 10.00 x 16, 6-ply rating.
R.H. 6.40 x 15, 4-ply rating.
STANDARD — L.H. 6.50 x 16, 6-ply rating.
R.H. 6.40 x 15, 4-ply rating.

WHEELS

Fitted with taper roller bearings.

RAM

30in. stroke up to 100 strokes per minute.

30in. (76cm) stroke, 50 strokes per minute.
Safety stop fitted.

Counter balanced crank.

FEED SYSTEM

3 tines on each feeder and packer crank unit. Shear bolts and overload shock absorbing springs fitted to each unit.
Gear and shaft drive.

TRACTOR P.T.O. SPEED

540 r.p.m.

BALE TENSION

Tension springs manually adjusted by cranks.

TWINE BOX

Holds 6 balls of twine which are retained by special patented hinged partitions.

LUBRICATION

SUPER — One shot lubrication system to knotters and needle pivot.
STANDARD — by individual greasing points.

SAFETY FEATURES

P.T.O. free wheel and overload slip clutch
Flywheel slip clutch. Knotter and needle friction brake.
Shear bolts in both packer and feed fork assemblies.
Ram stop. Pick-up free wheel.
All drives etc., fully guarded and approved in accordance with current British Safety Regulations.

SLEDGE HITCH

SUPER — fitted as normal equipment.
STANDARD — optional extra.

OPTIONAL EXTRA EQUIPMENT

SUPER — Wagon hitch.
2 wire twister unit.
STANDARD — Sledge hitch.
2 wire twister unit.
Wagon hitch.

SUPER AND STANDARD — Land wheel



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