



# John Berends Implements Pty Ltd

AGRICULTURAL ENGINEERS

## OPERATOR'S MANUAL PARTS LIST



### Cattle crushes

**PRODUCT NO.**

0167

Vet Cattle Crush with Walk Thru Bail Gate

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# TABLE OF CONTENTS

	Page No.
PRODUCT LABEL POSITIONS.....	3
ASSEMBLY/INSTALLATION.....	4
OPERATION.....	5
MAINTENANCE.....	5
SPARE PARTS.....	5

## **INTRODUCTION:**

This manual was developed specifically for the machine you have purchased. The information within is to assist you in preparing, operating and maintaining your machine. Please read and understand the contents of the manual completely before attempting to operate your machine, paying special attention to all safety details. With our policy of continuous improvement, products and specifications may change without notice and without incurring the obligation to install such changes on any unit previously delivered.

## **Vet Section Cattle Crushers**

All Berends walk thru cattle crushers are fitted with nylon rollers on the front and rear gates for smooth operation. All bail gates are operated from a 'fold away' handle mounted at the rear and a double ratchet system is used for fine incremental adjustment. Left hand side gates hinge from the rear and right hand side gates hinge from the front as standard. All gate handles and springs are zinc plated to reduce corrosion.

## **WARRANTY**

John Berends Implements P/L warrants each new product sold to be free from defects in material and workmanship, under normal use and service, as outlined in the operators manual, for a period of 12 months.

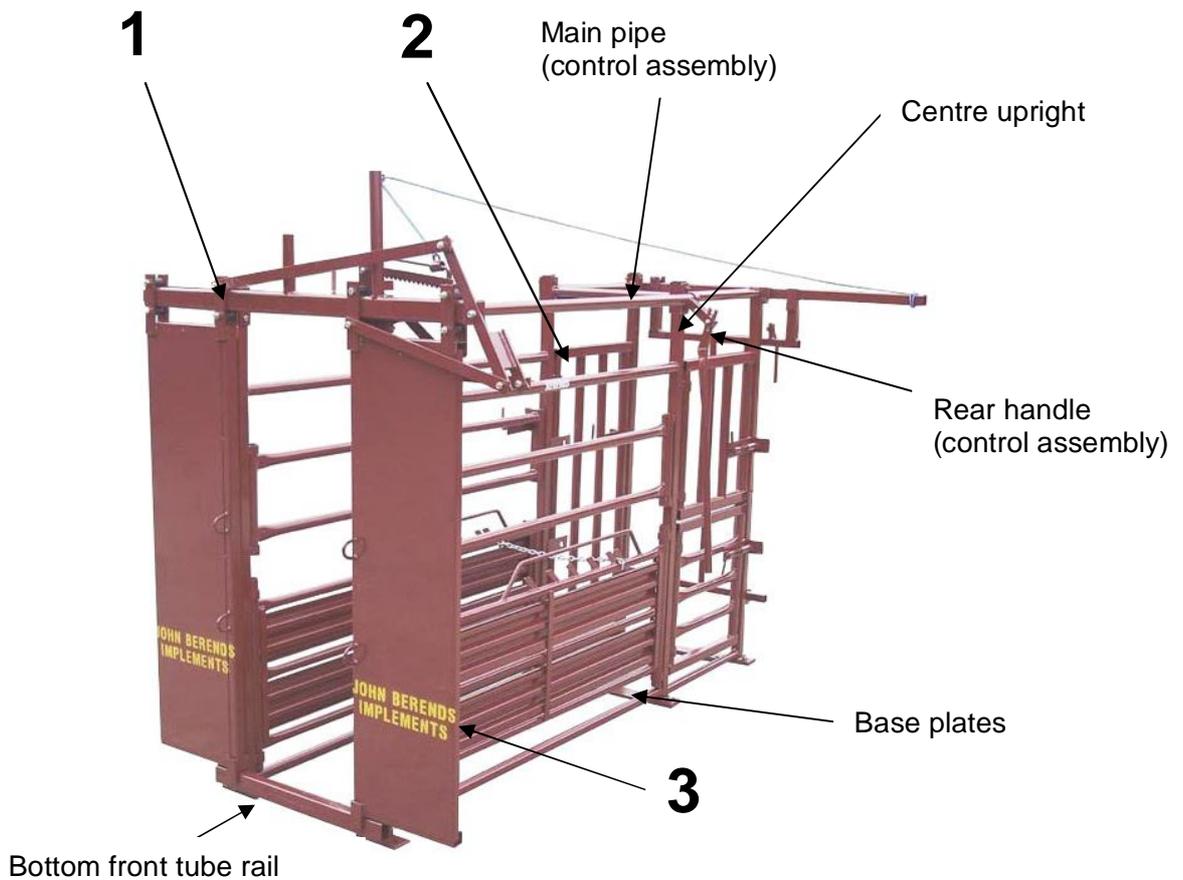
This warranty is void if any damage to the machine has been caused by misuse or non genuine parts have been used or any repairs have been made by any persons other than authorised dealer service personnel.

The manufacturer/dealer is not obligated to any transportation charges incurred in the repair or replacement of parts.

This warranty does not exclude any condition or warranty implied by the Trade Practices Act 1974 or any other legislation which implies any condition which cannot be excluded.

## Product labelling and checklist

1. SERIAL NUMBER (Decal)
2. BERENDS DECAL
3. BERENDS LABELLING (Painted)



### Checklist – You should have:

- 1 – left hand side panel
- 1 – right hand side panel
- 2 – base plates
- 1 – 800mm length of chain
- 1 – bottom front tube rail (865mm)
- 12 – 90 x 12mm bolts/nuts
- 5 – 140 x 50 x 10mm plates (plate “A”  
“B”)
- 10 – square plastic end caps

- 1 – rear sliding gate
- 1 – walk thru bail gate
- 1 - control assembly pipe and rear handle
- 1 – centre spacer pipe with plates each end
- 1 - galvanised pipe
- 2 – 75 x 12mm bolts/nuts
  - 1 – 140 x 50 x 10mm plates with collar (plate
- 1 – can of touch up spray paint (when available)

## ASSEMBLY

### **Caution:**

When assembling this product ensure that all sides are well supported and can not fall. Do not assemble on your own unless you have appropriate lifting equipment such as a crane, hoist or forklift to support the crush.

Stand right hand side of crush (looking at it from the rear) up right, bolt centre spacer pipe to the inside of the centre upright (vet crush only) using two 90mm bolts provided. Fit plate "A" on outside and only do nuts up finger tight.

Place left hand side of crush in upright position and fit centre upright (vet crush only) to other end of centre spacer bar. Secure as per right hand side.

Place bottom front tube rail in position with angle iron brackets facing the rear and mounted on the **outside** of the two front uprights. Fit with 75 x 12 bolt and nuts.

Position bail gate assembly in front of crush with angle iron lugs facing towards the crush. Lift the bail gate and drop over the bottom tube rail. Angle iron lugs fit on the outside of the square uprights. Fit with 90 x 12mm bolts and nuts and fit plate A on the inside. Do this on both sides.

Fit the rear sliding gate. This can be fitted to operate from either left or right hand. The most acceptable and recommended method is to operate from the left, as the bail gate is also controlled from the left. Mount the main top square tube so that it sticks out the left hand side. The brackets welded to this tube fit on the outside of the main rear uprights. Bolt it to the upright using 90 x 12 bolts and fit plate "A" on the inside of each upright. Only tighten finger tight at this stage.

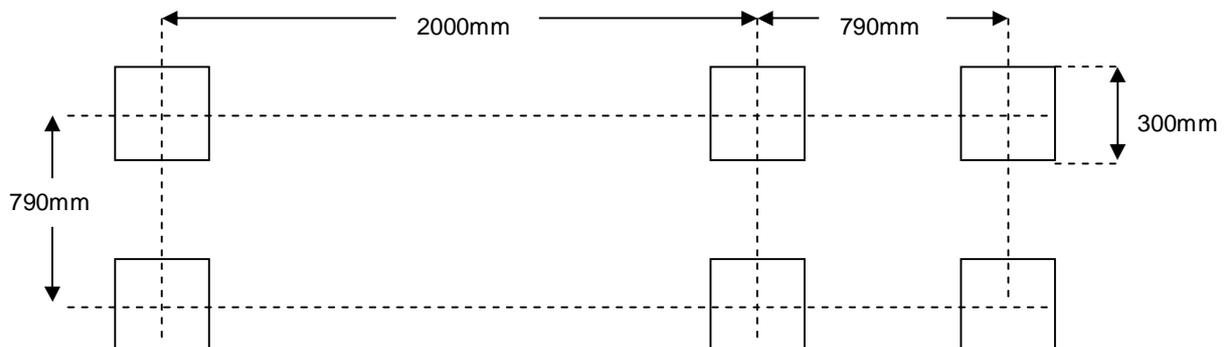
Fitting the control lever. Push the end of the control assembly main pipe (end without handle) into the pipe lug welded to the front gate on the left hand side. Slip plate "B" onto the other end of the pipe and bolt to the centre left upright. Use the existing bolts which are holding the centre spacer pipe in place.

Press the plastic square caps into the top of each up right and the four side gates. You may need to tap these with a hammer to make a neat fit.

Do not tighten the bolts and nuts until the crush has been positioned and base plates are fitted (see installation instructions below)

## INSTALLATION

If a concrete floor already exists, for example in a dairy, it may be fixed to the concrete with loxins or similar. However in all other cases it is recommended that six holes (vet crush) or 4 holes (standard) be dug approximately 500mm deep and 300mm square as follows.



Use 12 holding down bolts 300mm x 16mm. These are not provided with the crush. Place base plates over holes and place crush on top of these base plates, line up the holes and position holding down bolts. These should hang in the holes. Place crush square by packing under the sides if needed and fill holes with concrete. Allow time to dry. Remove packing and tighten bolts, including bail gate and sliding gate. Make certain the crush is square as out of square will cause misalignment of gates.

Fit a rope (not provided) to the ratchet at the front of the crush and feed it through the loop above it. This rope should be long enough to tie to the rear sliding gate tube. Ensure that the ratchet drops freely when the rope is released. If it stays in the air you may need to loosen off the nylock nut holding the ratchet on.

## **OPERATION**

This crush is very simple to use. The rear operating handle folds down when not in use so that it doesn't protrude. When operating, push the handle upwards so that the handle slot engages with the bolt. Pull the rope downwards and lift the handle upwards in the same action. This will open the front walk thru gates. Release the rope so that the ratchets drop down and lock in place. To close the gates, just push the rear handle downwards. At this point it is not necessary to hold the rope. Ensure the ratchet teeth are engaged before releasing the handle.

To release the animal, pull the rope towards you and lift the rear handle upwards. If there is too much pressure on the gates from the animal, then initially push the handle downwards whilst pulling the rope so as to relieve pressure on the ratchet.

The galvanised pipe provided can be positioned behind the animal to force it forward. There are a number of pipe stops along the top of the bottom side gates. Lever the pipe over one lug at a time, alternating from side to side until the animal is tightly squeezed in. This prevents the animal from moving about too much in the crush.

The chain provided is used when squeezing smaller animals. The right hand gate (hinging at the front) can be opened inwards to narrow the width of the crush. The chain is then placed between the two pipe stops at the front of each side to stop the sides from pushing outwards.

The rear sliding gate has a small latch at the top left hand side. This will need to be flicked backwards to allow the gate to slide back and forth.

## **MAINTENANCE**

When doing any type of maintenance on this machine, always follow the safety steps described in this manual. Use only authorised genuine parts for replacement.

There is little maintenance required for this crush.

Ensure all spring loaded handles are kept adequately greased and do not bind up.

Ensure all gate swing freely. Use lubricant such as CRC or WD40 to free up if necessary.

## **SPARE PARTS**

ORDER SPARE PARTS THROUGH YOUR ORIGINAL SUPPLIER OR YOUR LOCAL JOHN BERENDS IMPLEMENTS DEALER.

<b>Key No.</b>	<b>Part No.</b>	<b>Quantity</b>	<b>Description</b>
1	3802	1	Nylon rollers suit front/rear gates
2	1946	1	Side squeeze chain
3	1944	ar	Complete handle/spring/roll pins (no latch plate)
	1943	ar	Spring for crush handle
	3803		Latch plate suit handle
4	3804	ar	Plastic cap suit 50 x 50 tube