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OWNER'S MANUAL

MODEL LLW-PAILD-200

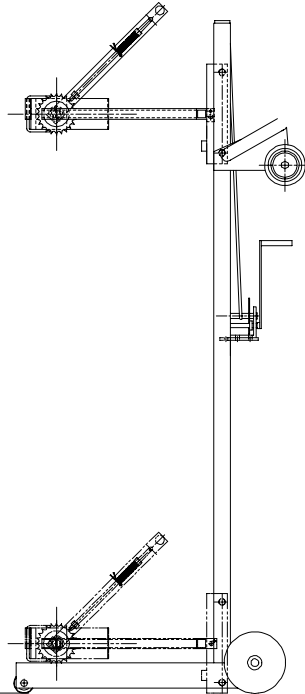
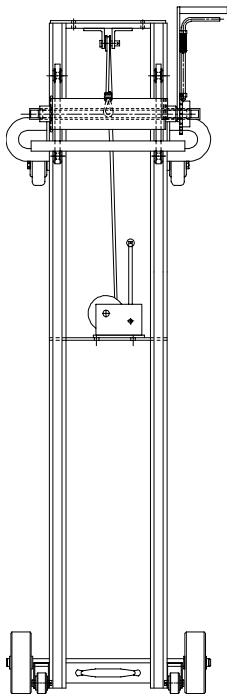
Serial number _____

Operation Instructions	2	Structural Parts Drawing	5
Safety Label Identification	3	Troubleshooting	6
Routine Maintenance & Safety Checks	4	Warranty	6
Structural Parts BOM	4		

IMPORTANT NOTES, WARNINGS AND SAFETY INSTRUCTIONS

Ensure that all employees understand and follow the following.

- ☞ Failure to read and understand this owner's manual before using or servicing the pail dumper constitutes a misuse of the product. All persons who will use or care for this product must be familiar with this material.
- The pail carrier must be fully lowered before any work is performed on the pail dumper.
- Ensure that all information/safety/warning labels stay in place and are legible.
- Do not use the pail dumper if any damage or unusual noise is observed.
- Always watch the pail and the pail carrier carefully when transporting or dumping material.
- The pail dumper is intended for use only on compacted, improved surfaces.
- ◆ Do not perform any modifications to the pail dumper without the manufacturer's approval. Failure to receive authorization for changes to the equipment could void the warranty.
- ◆ Maintenance and repairs are to be done only by personnel qualified to perform the required work. Consideration will not be given for warranty repair charges without prior written authorization by the manufacturer.



WHEN ORDERING

REPLACEMENT PARTS:

We take pride in using quality parts on the equipment we manufacture. We are not responsible for equipment problems resulting from the use of unapproved replacement parts.

To order replacement or spare parts for this equipment, contact the factory.

In any communication with the factory please be prepared to provide the machine's serial number, which is indicated on the machine dataplate.

RECEIVING INSTRUCTIONS

It is possible that this product could incur damage during transit.

Inspect the unit closely when it arrives. *If you see evidence of damage or rough handling to either the packaging or to the product when it is being unloaded, **immediately** make a note of it on the Bill Of Lading!*

It is important that you remove the product's packaging upon its arrival to ensure that there is no concealed damage or to enable a timely claim with the carrier for freight damage.

Also verify that the product and its specifications are as ordered.

OPERATION INSTRUCTIONS – LLW-PAILD-200

- *Ensure that all employees involved in the operation of this pail dumper understand and follow these instructions!*

The standard model pail dumper is suitable for use indoors in most industrial and commercial locations. It is intended to be used to transport (sealed pails only), lift (up to 52"), and rotate plastic or steel 5-gallon pails containing stable, relatively free-flowing non-hazardous materials.

Loading:

The load rating, in pounds, is shown on the machine dataplate located on the operator's side at the top of the left frame upright. It indicates the net capacity of the pail dumper when used to dump freely-flowing materials.

Warning: Do not exceed the pail dumper's load rating. Injury to personnel or permanent damage to the pail dumper could result from exceeding the listed capacity.

Raise or lower the carrier so that its pivot point is positioned at approximately half the height of the pail to be dumped. Unhook the pail carrier's saddle strap and move it out of the way so that it does not obstruct the pail from entering the saddle. Move the dumper up to the pail so that the pail is inside of, and up against, the inside of the carrier saddle.

Place the pail-securing strap around the front of the pail and fasten it into the slot at the side of the saddle. Use the saddle strap's ratchet to cinch it down snugly to the pail.

Caution: Take care to not tighten the strap so much that it crushes the sides of the pail!

Raise the pail slightly from the floor and ensure that it is secure for lifting and rotating. When properly gripped, the pail should not be able to spin or move within the straddle.

Operation:

Warning: Keep all personnel clear of the machine when it is in operation. Be certain no part of any person or object is under any part of the pail before lowering the carrier.

Warning: Always carefully observe the pail and the material inside it when dumping.

Note: A material's viscosity should be considered before determining the maximum rate at which to dump material from a pail.

Warning: Take care when moving the pail dumper into final position if the pail's lid is removed for dumping.

Warning: In moving a pail from one location to another, the pail must be securely closed with a tight-fitting lid, oriented vertically, and kept as low to floor as possible.

Do not exceed a rate of two feet per second when moving the pail dumper.

Caution: If the pail has a carrying handle and the pail will be rotated more than 100° from vertical, consideration must be given to any potential problems that might arise from the handle dropping into the flow path of the material coming out of the drum.

The pail dumper utilizes a hand winch to lift pails to a maximum height of 52" off the floor.

Standing from the operator's position, the winch handle is to be rotated *clockwise to raise* the pail carrier, and *counterclockwise to lower* it. The winch has a braking mechanism which helps to control the descent of the pail carrier -- the operator does not need to engage a pawl on the winch in order to lower a load in a controlled manner.

Raise the pail to the required dump height.

To rotate the pail and dump its contents, use the right hand to grip the rotating handle and pull the sprocket-locking mechanism. Rotate the handle slowly counterclockwise to dump the contents of the pail. The sprocket-locking mechanism can be released at any time to lock the carrier saddle into an angle setting. (There are nine locking positions between vertical and 135° forward rotation from vertical.)

To upright the pail, grasp the rotating handle, pull the sprocket-locking mechanism, and rotate the handle clockwise.

To remove the pail from the dumper, orient the pail to the vertical position and lower it until the bottom of the pail touches the floor. To remove the pail, grasp the ratchet handle and pull the release lever inside the handle as you do so. Pull outward on the ratchet handle to loosen the saddle strap. Unhook the saddle strap from the slot in the side of the saddle and remove the pail from inside the saddle.

The pail dumper incorporates design elements of a hand truck, and has two wheels underneath the push handle to allow it to be easily loaded into a van or truck when it is being transported to another location.

Ensure that all information/safety/warning labels stay in place and are legible.

(Refer to the labels page in this manual.)

SAFETY LABEL IDENTIFICATION -- LLW-PAILD-200

* Product safety signs or labels should be periodically inspected and cleaned by the product users as necessary to maintain good legibility for safe viewing distance -- ANSI 535.4 (10.21). Contact the manufacturer for replacement labels.



Outside Edge 585



287



1 inch

Back Side
Back Side



Both Sides



208

ROUTINE MAINTENANCE & SAFETY CHECKS – LLW-PAILD-200

- *Warning: Care should be taken to identify all potential hazards and comply with applicable safety procedures before beginning work.*
- *Only qualified individuals trained to understand mechanical devices should attempt troubleshooting and repair of this equipment*

(A) Inspect daily for:

- 1.) Broken strands, fraying or kinking of the lifting cable.
- 2.) Damage or structural deformation to the structural members.
- 3.) Unusual noise or binding, or evidence thereof.

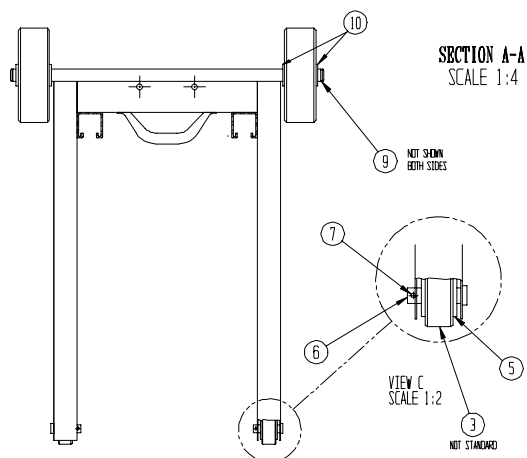
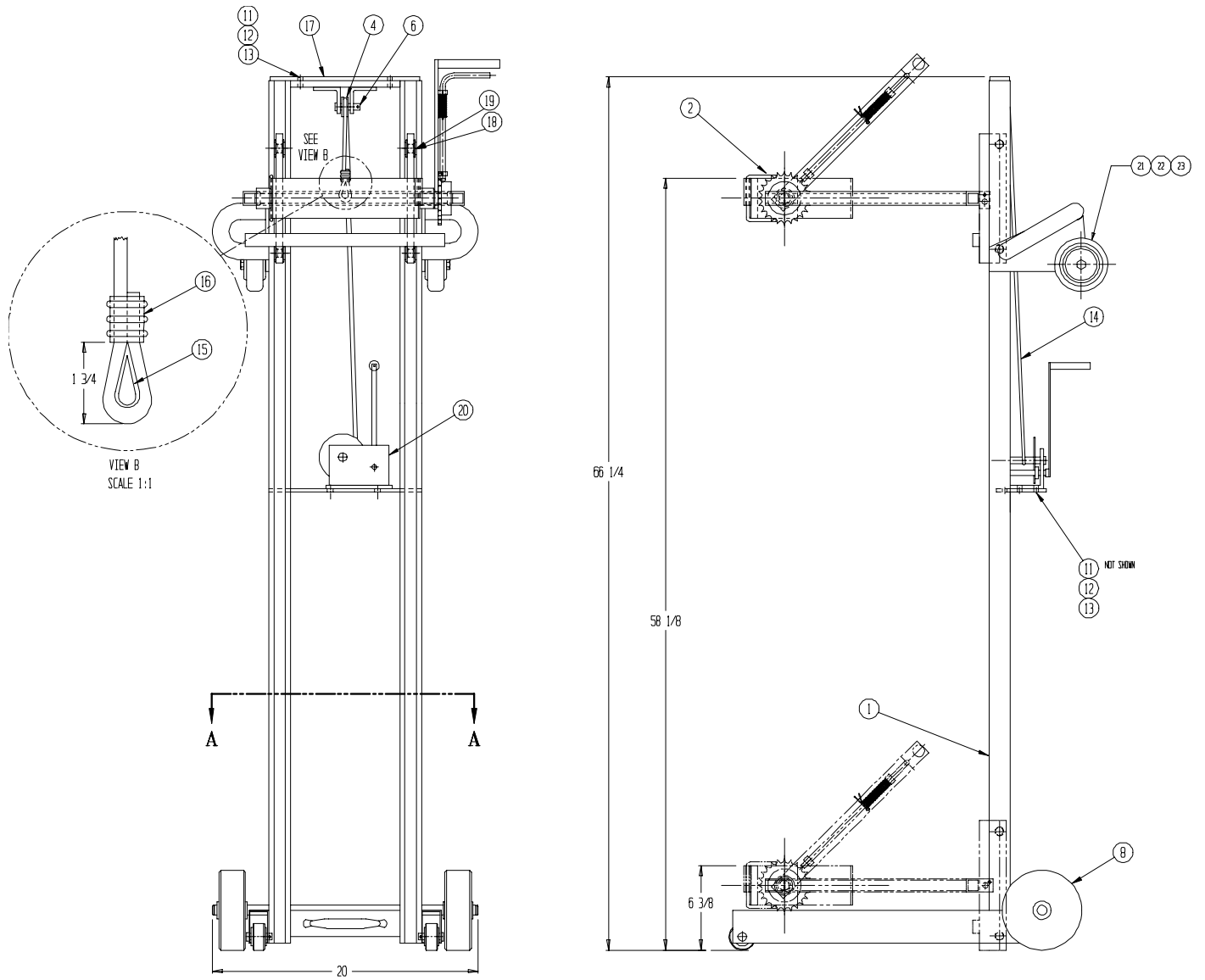
(B) Inspect monthly for:

- 1.) Worn or damaged lifting cable.
- 2.) Pivot point wear of the pail carrier.
- 3.) Pail carrier saddle strap looseness and/or wear.
- 4.) Integrity of the retaining hardware on all rollers and on all pivot point pins.
- 5.) Looseness, wear, or damage to the casters' bearings, mounting hardware, or surface material.
- 6.) Unusual noises or movement during operation.
- 7.) All the information/safety/warning labels being in place and in good condition.
- 8.) The need to clean off dirt and debris.

BILL OF MATERIALS -- LLW-PAILD-220

Item #:	Description	Part number	Qty.
1	Weldment, frame sub-assembly	21-514-005	1
2	Sub-assembly, deck	42-538-004	1
3	Roller, with bushing	21-527-002	2
4	Pulley, with bushing	21-527-001	1
5	Washer, flat, $\frac{9}{16}$ " ID	A/L	4
6	Pin, clevis, $\frac{1}{2}$ " \varnothing x $1\frac{3}{4}$ " long	21-112-003	3
7	Pin, cotter, $\frac{1}{8}$ " x 1" long	A/L	3
8	Wheel, MR-6/2-RB	16-132-058	2
9	Retaining ring, external, for $\frac{3}{4}$ " ID pin	15-117-002	2
10	Washer, flat, $\frac{1}{2}$ " ID	A/L	4
11	Nut, hex, $\frac{3}{8}$ "-16 UNC	A/L	5
12	HHCS, $\frac{3}{8}$ "-16 UNC x $1\frac{1}{4}$ "	A/L	5
13	Washer, lock, $\frac{3}{8}$ " ID	A/L	5
14	Cable, aircraft, $\frac{3}{16}$ "	A/L	1
15	Thimble, cable, $\frac{3}{16}$ "	A/L	1
16	Anchor, cable	A/L	1
17	Stiffener, bar	21-017-016	1
18	Pin, roller, $\frac{1}{2}$ " \varnothing HR x $1\frac{13}{16}$ " long	21-112-002	4
19	Roller, guide ($1\frac{3}{8}$ " OD x $\frac{1}{2}$ " ID x .35" thick)	21-027-003	8
20	Winch (Dutton-Lainson DLB 800)	21-042-002	1
21	Wheel, HR-4/1.25-SLB	16-132-009	2
22	Bolt, hex head, $\frac{3}{8}$ "-16 UNC x $2\frac{1}{2}$ " long	A/L	2
23	Nut, hex, nylock, $\frac{3}{8}$ "-16 UNC	A/L	2

EXPLODED PARTS VIEW -- LLW-PAILD-220



TROUBLESHOOTING GUIDE -- LLW-PAILD-200

Warning: Before performing any task, always lower the pail dumper fully to the floor and remove the pail. Consult the factory for any problems not addressed below.

<u>Problem:</u>	<u>Possible cause(s):</u>	<u>Action:</u>
The pail carrier will not raise or is very difficult to raise.	Too much load in the carrier. The cable has come off the upper pulley.	Remove some of the pail's contents. Rotate the winch crank counterclockwise one full turn after the carrier is lowered to the floor. Reinstall the cable into the upper pulley's groove. Rotate the winch clockwise to wind the slack cable back onto the spool. Lubricate or replace the roller(s). Inspect for damage to the roller guide track. Repair or lubricate as necessary. Same as above.
The pail carrier will not lower.	One or more guide rollers has seized. The guide rollers are bound up by an obstruction in, or damage to, the guide track. Same as the previous two line items, above. Not enough load on the winch.	Same as above. Lubricate the roller guide track. Pull or push down on the pail carrier as the crank handle is turned counterclockwise. Repair or replace the winch. Consult factory. Check for corrosion or hardened material buildup at the carrier saddle's pivoting points.
The pail carrier will not rotate.	Winch is bound up. Something has caused the pivot point(s) to seize.	Rotate the crank handle to unspool all the cable from the winch. Continue rotating the handle in the same direction until all the cable slack is taken up on the spool. Replace the strap and ratchet assembly. Same as above.
The pail carrier travels the wrong direction when the winch handle is turned clockwise.	Cable is wound backwards around the winch drum.	Inspect for and eliminate the cause of the release mechanism sticking. If damaged, replace the strap and ratchet.
The pail carrier's saddle strap will not stay tight.	Worn web strap. Worn or damaged strap ratchet. Ratchet strap release mechanism is stuck in the "release" position.	Inspect the locking mechanism for damage, bowing, or buildup of material that could be causing it to stick. Take the appropriate steps to correct the problem found.
The pail carrier will not lock into a rotated position.	The locking mechanism is stuck in the "release" position.	

PRODUCT WARRANTY

90-DAY LIMITED WARRANTY

The manufacturer warrants for the original purchaser against defects in materials and workmanship under normal use for 90 days after date of shipment. Any part that is determined by the manufacturer to be defective in material or workmanship and returned to the factory, shipping costs prepaid, will be, as the exclusive remedy, repaired or replaced at our option. Labor costs for warranty repairs and/or modifications are not covered unless pre-approved by the manufacturer or done at the manufacturer's facilities. Any modifications performed without prior written approval of the manufacturer may void warranty. This limited warranty gives purchaser specific legal rights which vary from state to state.

All specifications are subject to change without notice.

LIMITATION OF LIABILITY

To the extent allowable under applicable law, the manufacturer's liability for consequential and incidental damages is expressly disclaimed. The manufacturer's liability in any event is limited to, and shall not exceed, the purchase price paid. Misuse or modification may void warranty.

Warranty does not cover labor or consequential damages including, but not limited to, business interruption costs, lost profits, or lost business opportunities.

WARRANTY DISCLAIMER

The manufacturer has made a diligent effort to accurately illustrate and describe their products. However, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions.

The provisions of the warranty shall be construed and enforced in accordance with the Uniform Commercial Code and laws as enacted in the State of Indiana.

DISPOSITION

Our company will make a good faith effort for prompt correction or other adjustment with respect to any product that proves to be defective within the Limited Warranty Period. Warranty claims must be made in writing within said year.