

# Round Bale Saver Assembly Instructions Patent pending

**RANCHER DESIGNED AMERICAN MADE 20 YEAR LIMITED WARRANTY**

READ INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY. RETAIN A COPY FOR YOUR RECORDS. IF QUESTIONS CALL 918-514-0221.

AVERAGE ASSEMBLY TIME: LESS THAN ONE HOUR.

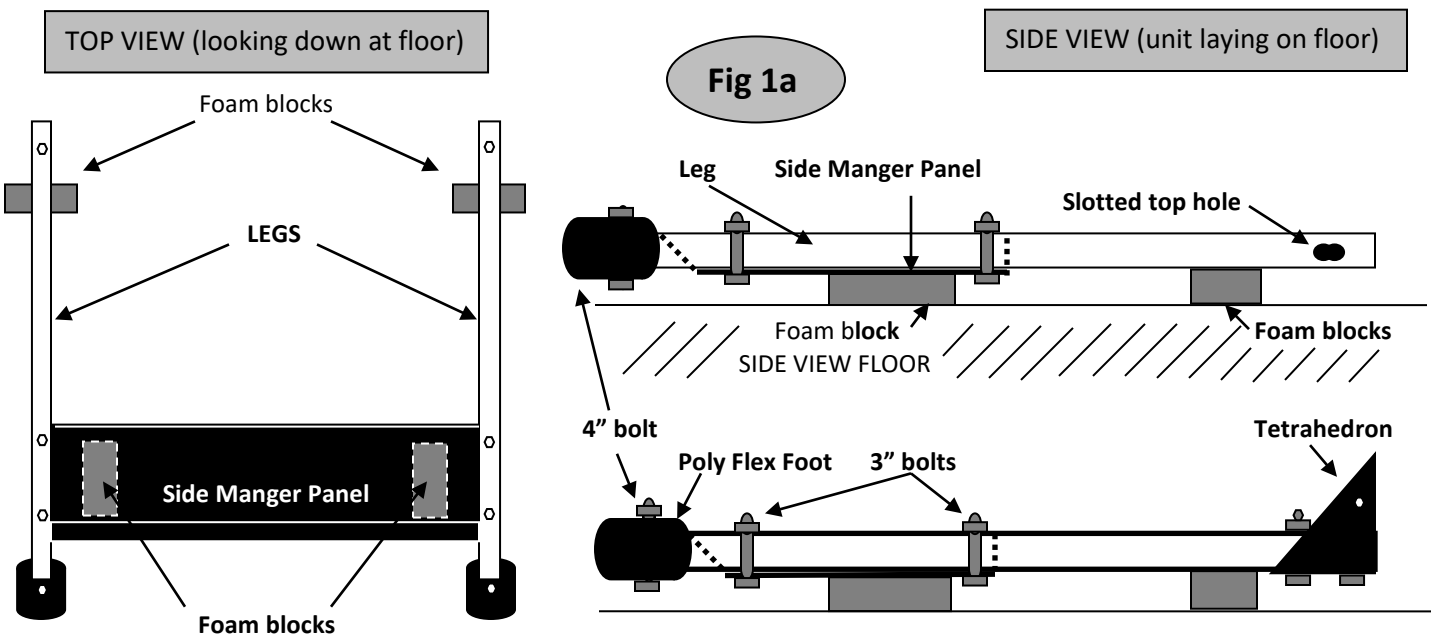
**TOOLS REQUIRED:** Two 9/16 wrenches, level, measuring tape and marker. Assemble unit on a cleared, level surface. Keep bystanders at a safe distance during assembly. Unit is heavy, you will need help to assemble and move unit. Some parts may have sharp edges (especially tubing ends), wear protective clothing including leather gloves & eye protection.

## STEP 1 – SIDES ONE & TWO You will need Bolt bags: 1, 2 & 3

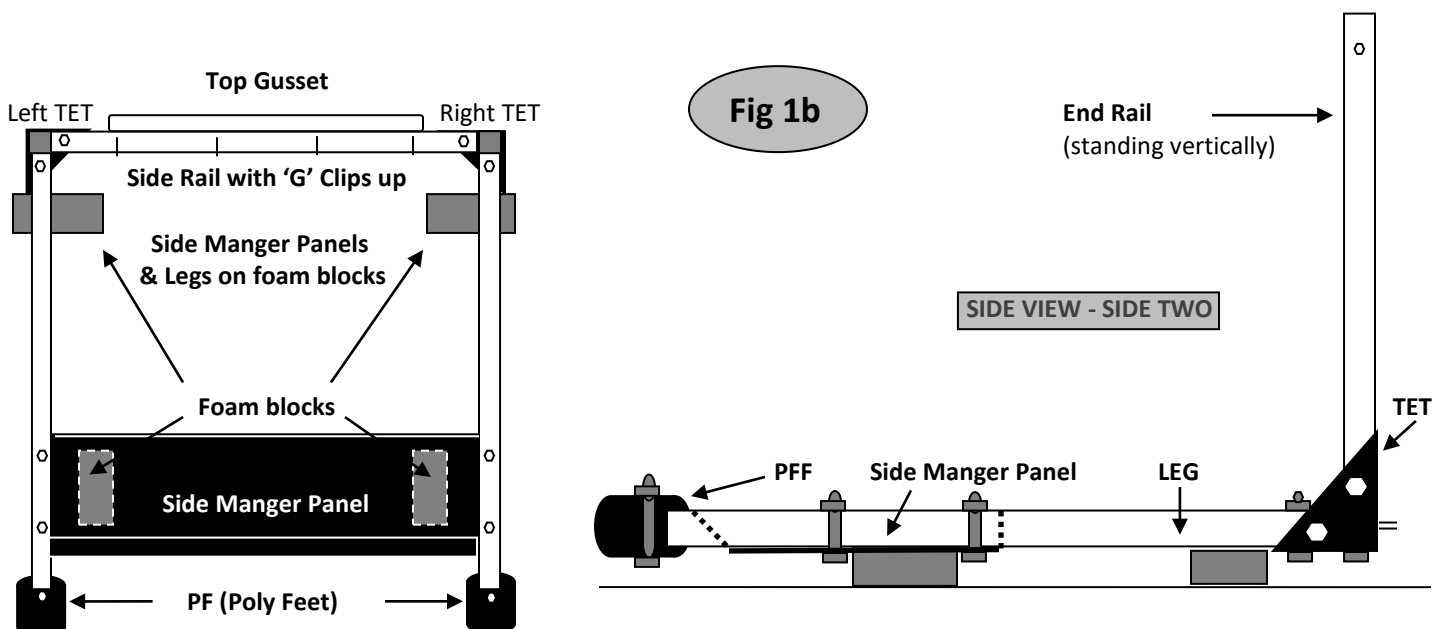
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**NOTE:** During Steps 1 & 2 lightly tighten nuts & bolts enough to secure unit, final tightening occurs in Steps 3 & 4.

- **Fig 1a - BOLT BAG #3** - Attach Poly Flex Feet to bottom Leg hole using a 4" bolt, flat washers and lock nuts.
- Do NOT over-tighten lock nut. Leave 1/8" of thread showing. Poly Feet must be SECURE, FLEXIBLE & ROUND.
- Place four foam packing blocks, numbered one thru four, on floor as shown.
- Place SIDE Manger Panels with bent edges up and with 45 degree bend closest to Poly Flex Foot.
- Place one Leg on top of both left and right wings of Side Manger Panel, support each leg on two foam blocks.
- **BOLT BAG #1** - Bolt right & left Leg to Panel using 3" bolts, threads UP, using flat washers, lock washers & hex nuts.
- Bolt left & right Tetrahedrons thru slotted holes in top of each Leg with threads in, using 3" bolts, flat washers, lock washers & hex nuts. Both Tetrahedrons should have the open corner facing in toward one another.
- **FIG 1b - BOLT BAG #2** - Place Side Rails (galvanized square tubing with 'G' Clips and a top gusset) between Tetrahedrons. Attach left and right Corner Gussets to each end of Side Rail using bolts from. Insert a 3 1/2" bolt thru LEFT Corner Gusset, Side Rail and Tetrahedron with threads DOWN, using flat washers, lock washers & hex nuts. Repeat process except this time you will use a 3" bolt thru RIGHT Corner Gusset with threads UP.
- Carefully set SIDE ONE aside and secure so it does not slide or fall. It is normal for SIDE ONE to feel a little loose.
- Repeat process for SIDE TWO. Bolt End Rail to left Tetrahedron and Corner Gusset on each side using 3" bolts, flat washers, lock washers & hex nuts with threads IN. Repeat process for opposite side.

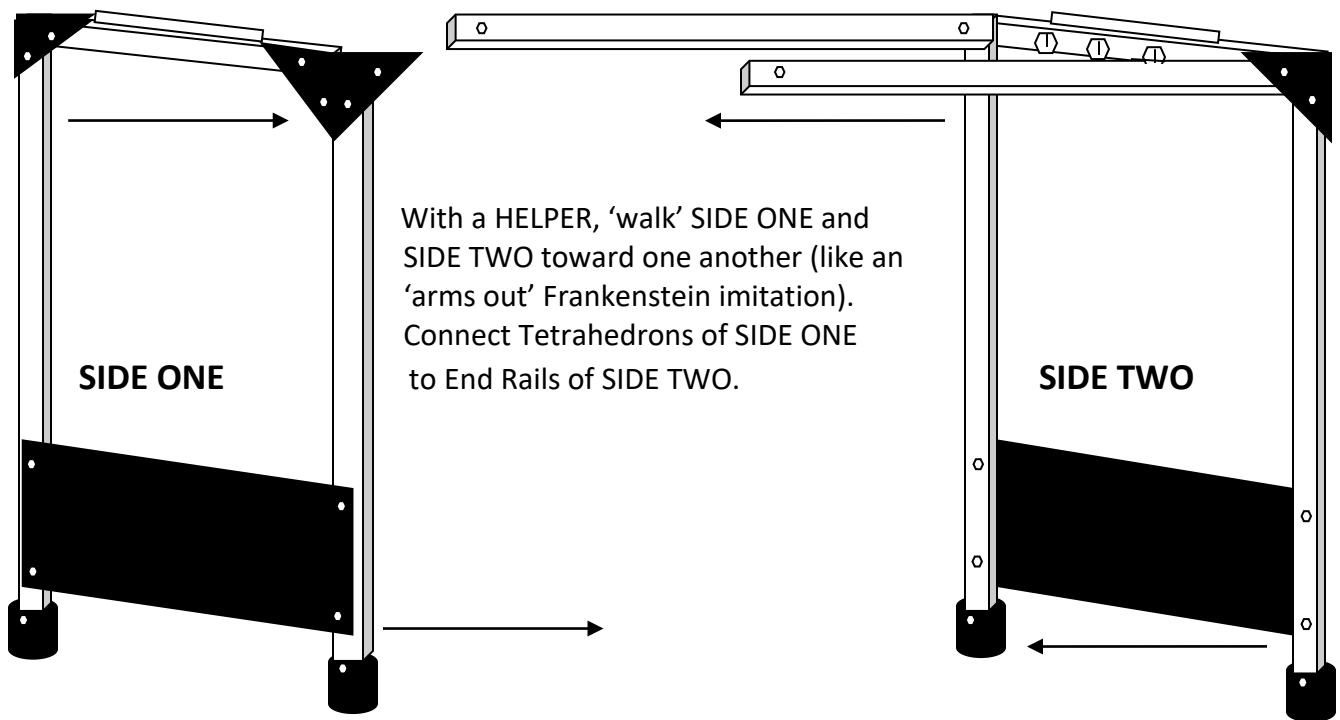


Place foam blocks numbered 1 thru 4 flat on floor, Side Manger Panel & Legs will rest on top of foam blocks as shown above.

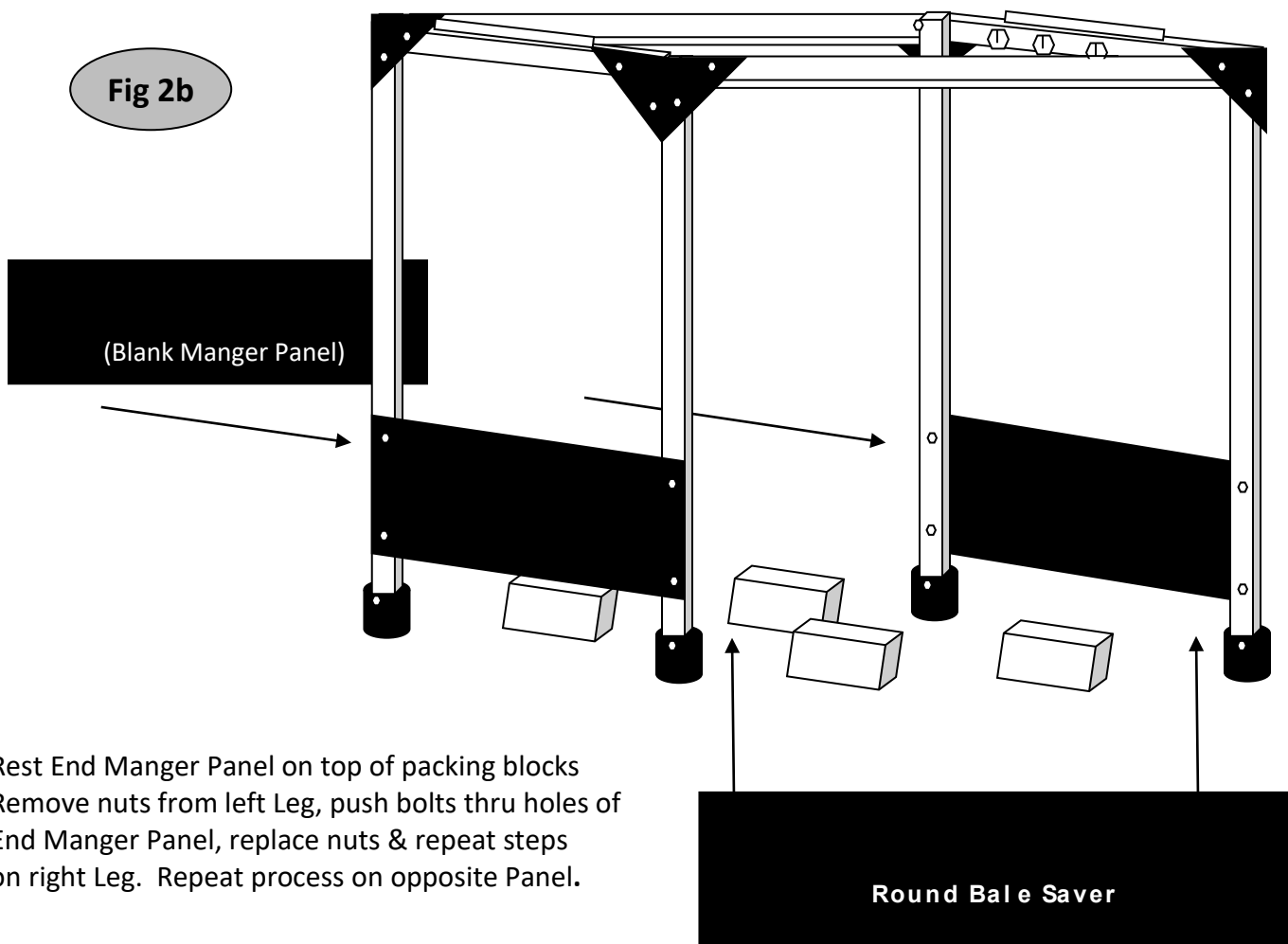


- **Fig 2a** - With a helper, stand up **SIDES ONE & TWO** facing one another. Carefully move **SIDE ONE** toward **SIDE TWO**, attach End Rails to Tetrahedrons to form a cube using 3" bolts, flat washers, lock washers & hex nuts, threads IN.
- Unit may feel a little loose, make sure it's tightened securely and can stand on its own. Place foam packing blocks in open area between right and left Leg. You will rest End Manger Panel on blocks during next step.
- **Fig 2b** – Temporarily remove hex nuts, lock washers & flat washers from bolts connecting **LEFT Side Manger Panel** to **LEFT Leg**, leave **RIGHT** side attached. Position End Manger Panel upright on foam packing blocks between the Legs with open end of bend away from livestock, holding bolts in place, gently guide bolts thru holes in **LEFT** side of End Manger Panel and secure with flat washers, lock washers & hex nuts. Repeat process for **RIGHT** side.
- Repeat process for both ends of opposite End Manger Panel.
- **Fig 4 - Bolt bag #4.** Attach all four Manger Gussets finger tight with threads down.

**Fig 2a**



**Fig 2b**



Rest End Manger Panel on top of packing blocks  
 Remove nuts from left Leg, push bolts thru holes of  
 End Manger Panel, replace nuts & repeat steps  
 on right Leg. Repeat process on opposite Panel.

**Round Bale Saver**

**STEP 3 - LEVEL, PLUMB & SQUARE**

- Fig 3 - Place a **LEVEL** on the horizontal top of each End Rail and Side Rail, if all four top rails are level move on to the next step. If not, add shims under LEGs as needed until the unit is level.
- To **PLUMB**, place a level on the **VERTICAL SIDE** of one Leg, push or pull Leg toward or away from level until it is plumb 'side to side'. Repeat process on the **VERTICAL FRONT** of the same leg, push or pull Leg toward or away from level until it is plumb 'front to back'. When plumb, securely tighten bolts on that Leg. Repeat process for each Leg.
- Fig 4 - To **SQUARE** the unit take a diagonal measurement from top outside corner to top outside corner of opposing diagonal Tetrahedron. If both measurements are the same proceed to the next step, if not, gently tap or push 'long' diagonal corners toward one another and re-measure to make sure both diagonal measurements are the same.

Fig 3

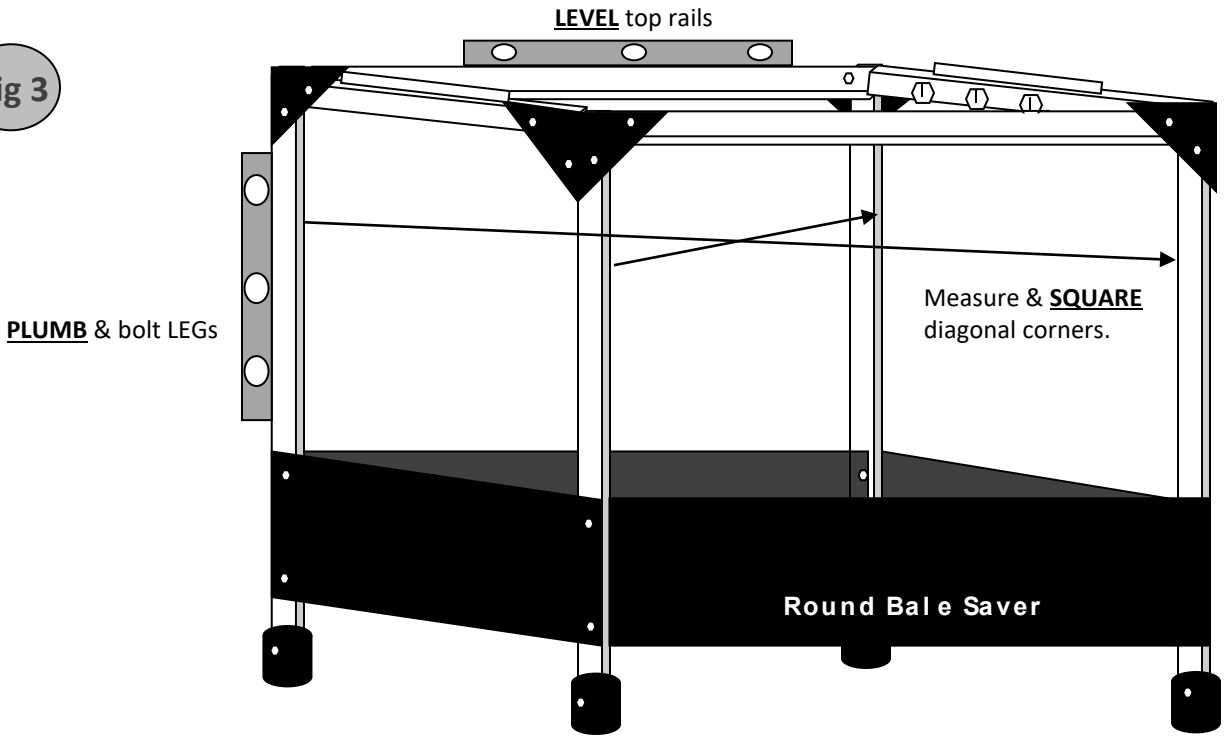
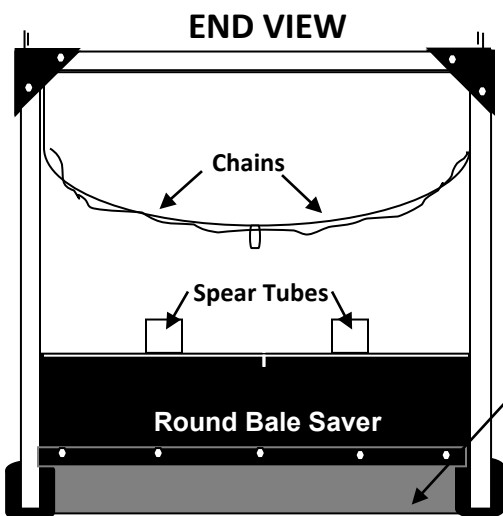
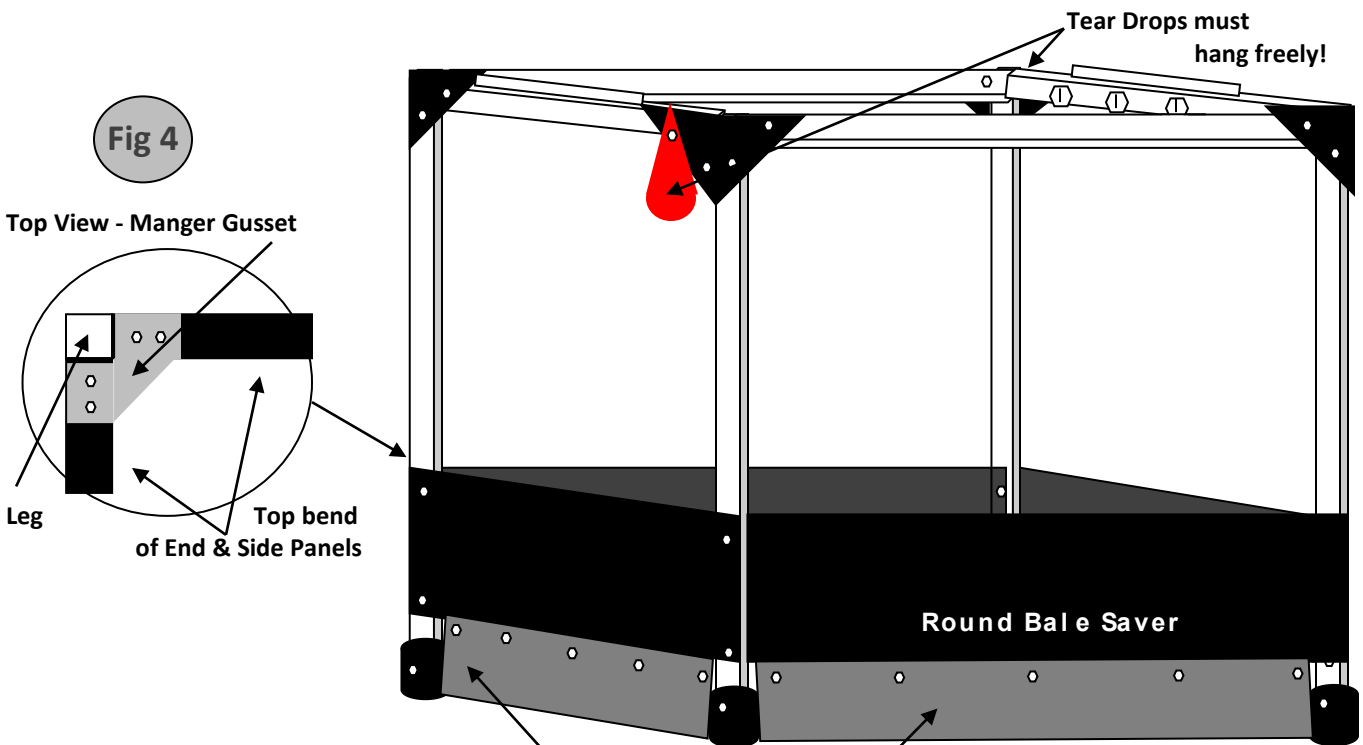
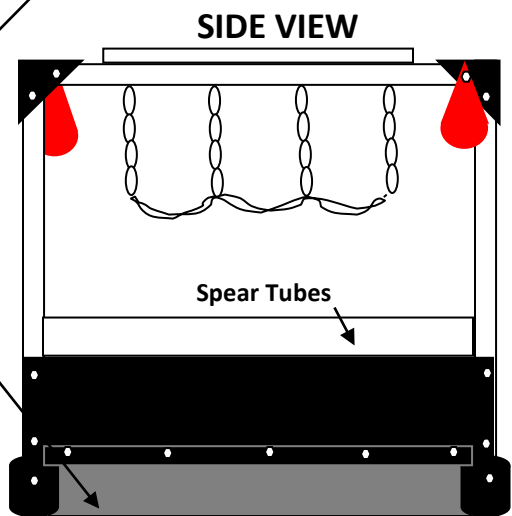


Fig 4



Hay Keepers



**STEP 4 – TEAR DROPS, HAY KEEPERS, CHAINS & SPEAR TUBES Bolt bags #2, 5, HK & CHN Pg 4**

- **Bolt Bag #2** - Hang red Tear Drop Level Indicator of two diagonal Tetrahedrons with 3 ½” bolts (with threads OUT). Tighten lock nut so that appx. 1/8” of thread is showing. Tear Drop should hang freely. One has ID tag taped to back.
- **Bolt Bag HK** - Using galvanized carriage bolts attach Neoprene Hay Keepers to INSIDE of 45-degree angle bend on bottom of End Manger Panels and Side Manger Panels. Tighten nuts securely with threads IN.
- **Bolt Bag CHN** - Attach end links of long chains over opposing ‘G’ Clips. Hang quick links to the underside of each long chain at bottom of arc. Attach short cross-chain in equal segments. Tighten quick links SECURELY.
- Measure the width of your tractor’s front-loading side by side spears from center to center at the base of each spear, then divide that number in half. From center of each End Manger Panel mark half the width of your tractor’s spears on each side of the center mark using a marker or removable tape. Next let’s set your Spear Tubes!
- With Pinch Clamp DOWN, place both 3”X3” Spear Tubes on top of End Manger Panels directly over the four marks you just made. Slide the end of each Spear Tube sideways and ‘sandwich’ the top bend of the End Manger Panel between the Pinch Clamp and the Spear Tube. Insert the 1 ¼” anodized bolts provided and tighten. Repeat process for ends of each Spear Tube. Tighten securely!

**Congratulations! You have just assembled your FIRST Round Bale Saver!**  
(Your second one usually goes together in about half the time.)



**WARNING! ROUND BALE SAVER IS DESIGNED TO BE MOVED EMPTY (WITHOUT A BALE IN SLING).** MOVE UNIT BY INSERTING TRACTOR MOUNTED FRONT LOADING SIDE BY SIDE SPEARS ONLY (MINIMUM THREE FEET IN LENGTH) INTO EITHER END OF SPEAR TUBES. DO NOT ATTEMPT TO USE OTHER TYPES OF BALE SPEARS INCLUDING SINGLE SPEAR, TRIPLE SPEARS OR SHORT SPEARS. DO NOT USE REAR MOUNTED SPEARS OF ANY KIND INCLUDING TRACTOR, TRUCK OR DOLLY SPEARS. TRANSPORT UNIT AT A SAFE ANGLE AND HEIGHT KEEPING CENTER OF GRAVITY AS LOW AS POSSIBLE. DO NOT LIFT OR MOVE UNIT WITH ROUND BALE IN PLACE. TEAR DROP HELPS DETERMINE RELATIVE CARRY ANGLE WHEN MOVING EMPTY UNIT. IF YOU SEE RED TEAR DROP PROTRUDING PAST VERTICAL PLANE OF LEFT LEG, UNIT’S CARRY ANGLE MAY BE TOO STEEP.

To load, spear round bale of proper size by inserting spears into end of round bale just above half the height of your bale. With tractor, lift bale over either end rail, center bale above chains and lower it until it hovers a few inches above chains, cut off string or net wrap, then lower bale into sling. After each feeding, transport empty unit to new feeding area to maintain integrity of unit and to promote growth of new pasture. Place on dry, level ground. Never slide unit. Caution: if frozen in place or otherwise stuck, release unit by first chipping or digging it out. Do not try to dislodge unit by prying, pushing, pulling or lifting with spear tubes. Unauthorized modification, abuse & misuse voids warranty. Keep livestock and bystanders at a safe distance during transport. Not responsible for damage to property or equipment and accidents or injury to livestock or people. Inspect unit regularly, if damaged do not use. Call Round Bale Saver at 918-514-0221 to discuss options/replacement parts.

**END**

Spear Insertion Points

**Round Bale Saver**

**BALE MEASUREMENTS**  
Ex.: 4' X 5' Bale means  
4' Side X 5' End

Model	Height	Bale size
Lil Boy	54" h	4' X 5'
Big Boy	54" h	4' X 6'
Fat Man	54" h	5' X 5'
Big Foot	54" h	5' X 6'
Grizzly	54" h	6' X 6'

**SIDE**

**FOR DEALER INQUIRIES**  
**918-514-0221**

**IMPORTANT: YOU MUST REGISTER UNIT TO BE ELIGIBLE FOR WARRANTY.**

SIGN & RETURN WARRANTY INFO TO: ROUND BALE SAVER, 3782 SOUTH 137<sup>TH</sup> WEST AV, SAND SPRINGS, OK 74063

\*Warranty information – See enclosed document **ROUND BALE SAVER, LLC 20 YEAR LIMITED WARRANTY**  
For warranty information or repairs call 918-514-0221 or email [info@roundbalesaver.com](mailto:info@roundbalesaver.com) or go to [www.roundbalesaver.com](http://www.roundbalesaver.com)