

# **BREAK-AWAY REELS**



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# BREAK-AWAY REELS

## BREAK-AWAY REEL

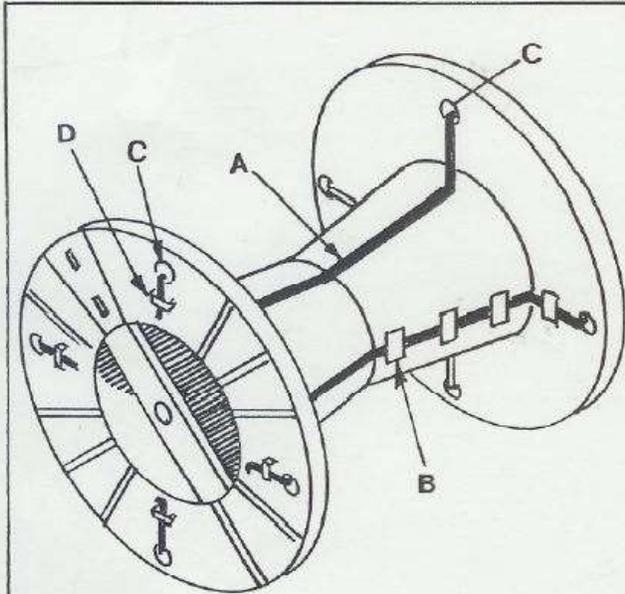


FIGURE 1

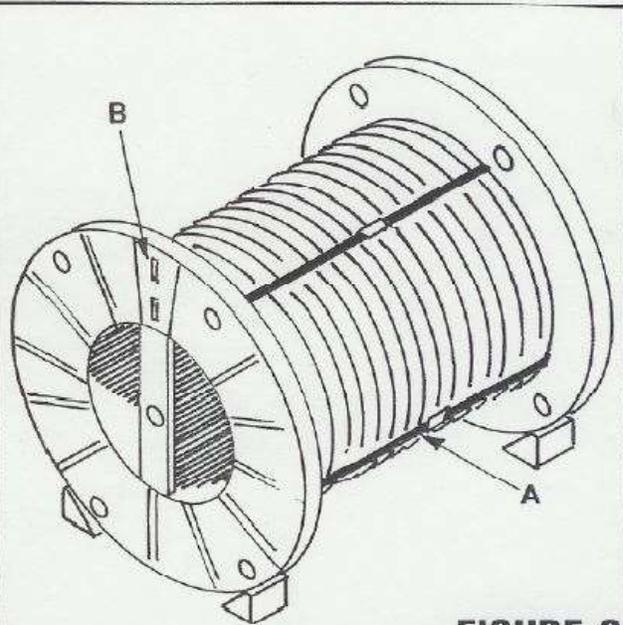


FIGURE 2

## OPERATING INSTRUCTIONS

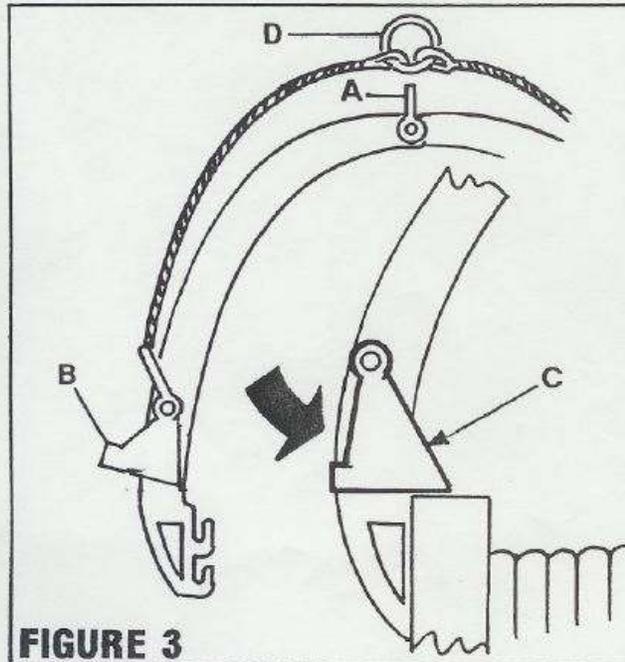


FIGURE 3

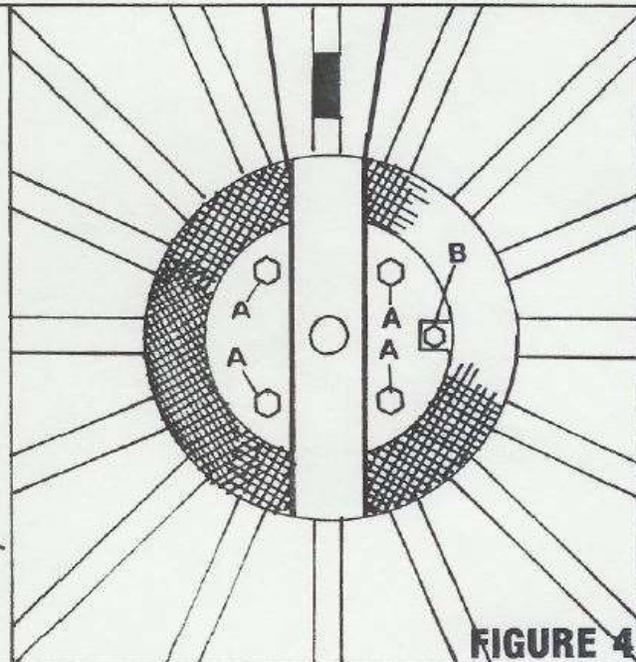


FIGURE 4

## MODELS 6036 & 8050



"Rugged Dependability."

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# **BREAK-AWAY REELS**

## Operating Instructions

### **Tools Needed:**

- ✓ (1) Hogg & Davis, Inc. Model 6036 or 8050 Break-Away Reel
- ✓ (1) Hogg & Davis, Inc. Model 6036 or 8050T Lifting Tongs
- ✓ (1) Hogg & Davis, Inc. Model 6036 or 8050W Wrench
- ✓ 48ft. High Strength Steel Banding Material
- ✓ (1) Steel Banding Tensioning Tool
- ✓ (1) Steel Banding Sealer Tool
- ✓ (1) Roll of Quality Duct Tape
- ✓ (1) Spray Can of Penetrating Oil
- ✓ (1) Crane or Other Lifting Device

### **Step 1 Preparation for use**

- a. The first step is to choose the proper sized steel banding to be used in securing the scrap cable roll. Be sure that the tensile strength of the banding is sufficient for the weight to be held.
- b. Cut (4) lengths of banding measuring 12 feet each.
- c. Measure 6 feet and mark the center point on all (4) steel bands.
- d. Starting at the center of the hub, where the two halves of the reels meet. Position the banding so the center mark lines up with the center of the hub and in line with the banding access holes in the reel side flanges. (fig. 1A)
- e. Use the duct tape to secure the banding to the reel core and up both sides. (fig. 1B) It is important that the banding lays flat and is well secured because the cable being wound on the reel will try to pull the banding off.
- f. Feed the banding out through the access holes on both sides of reel flanges. (fig. 1C)
- g. Attach the remaining banding to the anchor provided on the outside of the reel flange below the access hole on both sides. (fig. 1D) Be sure all remaining banding is secured and will not interfere with moving parts of the pulling machine that the reel will be used on.
- h. Repeat steps (d-g) for the remaining three bands.
- i. Load the reel into the pulling machine.

# **BREAK-AWAY REELS**

## **Step 2 Unloading the Reel**

- a. Remove the steel banding from the anchors on both sides of the reel and feed the banding back through the access holes.
- b. Pull the banding over the scrap cable and using the banding tools secure the banding tightly.
- c. Repeat these steps for the remaining three bands.
- d. At this point the only thing holding the banding to the reel should be the duct tape.
- e. Position the reel so that the side lifting plates are on the top of the reel and chock the reel on four sides.
- f. Using the clevis eye (fig. 3A) on the tongs lift the 6036T tongs with the crane and position above the reel.
- g. Slowly lower the tongs until both arms are straddling the reel and in line with the lifting plates.
- h. Pull back both lifting tong lock plates. (fig. 3B)
- i. Continue lowering the tongs until the teeth enter into the lifting plate on both sides.
- j. Slowly lift the tongs so that the teeth on the lifting tongs index into the lifting plate.
- k. Make sure that BOTH lifting tong lock plates fall back into place. (fig. 3C)
- l. Slowly lower tongs until they come to rest on the lock plate.
- m. Using the 6036W wrench, loosen the four bolts inside of the hub one full turn. (fig. 4A)
- n. With the same wrench tighten the reel splitting bolt (fig. 4B) until the reel breaks apart.
- o. Remove the four bolts that hold the reel together.
- p. Lower the crane and remove hook from clevis on the lifting tongs and hook into the eye on the cable lifting sling. (fig. 3D)
- q. **AT THIS POINT THERE SHOULD BE NO PERSONNEL STANDING WITHIN 10 FEET OF THE REEL.**
- r. Slowly lift the reel, the tongs will pull the reel apart and the cable spool will fall from the reel.

## **Step 3 Reassembling the Reel**

- a. Lift the reel all the way off the cable spool and swing to one side and lower it until it touches the ground.
- b. Chock both halves on both sides.
- c. Slowly let the full weight of the reel set on the ground.
- d. Remove the hook from the cable sling eye and insert into the clevis eye of the lifting tongs.
- e. Slowly raise the tongs and the reel will pull back together.
- f. Apply penetrating oil on the threads and insert the four bolts and tighten a few turns.
- g. Loosen the reel splitting bolt enough so that it will not touch the other reel half.
- h. Hand tighten the four bolts and insert reel shaft through the reel to align both halves.
- i. Tighten all four bolts.
- j. Set the reel down and chock on all four corners.
- k. Pull back both lifting tong lock plates.
- l. Slowly lower the tongs until the teeth can be pulled from the lifting plate slots.
- m. Remove the tongs from the reel.