

SCA Mounted Games Equipment

Construction Techniques and Ideas

Wooden Rings, Reeds and Heads Equipments for Pole Bending Bases

- Cut dimensional 2x4's to appropriate lengths
 - 5 feet for reeds and heads
 - 6-8 feet for rings upright
 - 3 feet for rings cross pieces
- You can also start from 2x2's



Wooden Rings, Reeds and Heads Equipments for Pole Bending Bases

- Split 2x4's longitudinally
- Dimensional 2x4's are 3.5 inches wide. Set your table saw fence to 1.75 inches, plus or minus blade width.



Wooden Rings, Reeds and Heads Equipments for Pole Bending Bases

- The resulting “2x2” will be just a little too large for the base.
- Use a sander to take off the edges until it fits
- Or use a router to remove the corners
- Or...

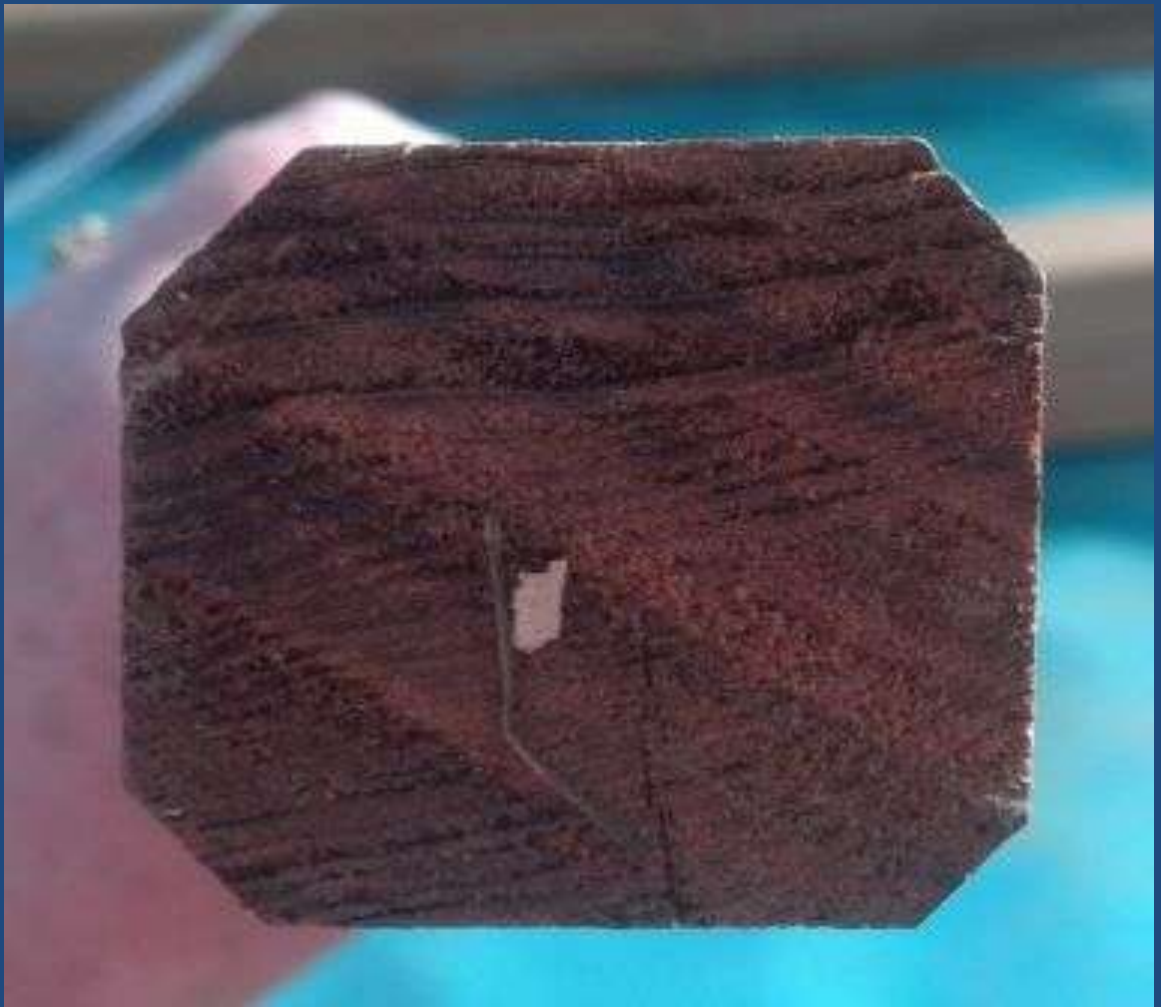


Wooden Rings, Reeds and Heads Equipments for Pole Bending Bases

- Set the fence on your jointer to 45 degrees
- Set the blades to remove 1/8 inch
- Remove the 4 corners



Wooden Rings,
Reeds and Heads
Equipments for
Pole Bending
Bases



- The resulting cuts will give you an octagonal shape...

Wooden Rings, Reeds and Heads Equipments for Pole Bending Bases

- That will fit snugly in the Pole Bending bases.
- Other folks simply start from round stock and sand to fit as needed.



Wooden Rings, Reeds and Heads Equipments for Pole Bending Bases



- Sand
- Stain, Paint, and/or Varnish to taste.

Reeds and Heads



Reeds and Heads Uprights



- Drill out the top of the upright to accept the magnet.
 - This allows the magnet to lie flush with the wooden surface.
- Attach the magnet with a screw.
 - You can add wood glue if desired.



Reeds and Heads Uprights

- Add a screw eye to the upright end to serve as an attachment point for target lanyards

Reeds

- Cut dowel to desired lengths
 - These are 2, 4, 6, 8, and 10 inches.
- Attach metal washers or brackets to the bottom to create a metal connection with the magnets



Reeds and Heads Target Attachment

- Make sure screws fit flush with the metal surface or you will have wobbly targets due to uneven attraction.



Reeds and Heads Target Attachment



- Metal strap brackets are beveled to accept screws.

Reeds and Heads Target Attachment



- Properly sized screws fit flush into the bevels and create a level base for target attachment with the magnets

Reeds and Heads Target Attachment



- Add a screw eye and lanyard to all targets so they stay with the upright when struck

Reeds and Heads Target Attachment



- Use a quick link or small snap on the lanyard to attach the target to the screw eye on the upright.

Mini-Heads

- Wooden antique lawn bowling pins can be turned upside down.
 - Just trim the rounded “top”.
 - Flip the pin over so you have a mini-head shape.
 - Add metal to the new bottom as with reeds.



Rings



Rings Stands Break Down



- Drill guide holes and attach tee braces to your rings cross pieces.
 - With this set we found the tops needed to match the base, so we color coded the bolts.

Rings Stands Break Down

- Drill two holes in the tope of your long uprights for ring brackets.



Ring Stands Break Down

- Use wing nuts to secure the bolts for quick, tool free assembly in the field.



Rings

- Use metal rings of various sizes as targets
 - Rings can be acquired from Tandy or other craft sources.



Rings

- Attach magnet to cross piece with screws.
- Attach the metal ring to the magnet.



Water Box



- The water box was constructed with a plywood base screwed to a 2x6 frame.
- The entire interior was painted several layers of Flex Seal.
 - Other manufacturers make similar products
- The interior and exterior were painted with latex exterior house paint.

Vegetable Cutting Stand



- The base consists of a 4x4 bracket bolted on to a round base.
 - The base is likely a pre-fabricated round table top.



Vegetable Cutting Stand

- The upright is a 4x4 with a screwed on decorative, pre-fabricated post topper.

- Before screwing on the top, drill a hole.
- Pierce vegetables with an awl or a screw driver.
- Place a golf tee in to the pre-made hole in the vegetable.
- Place the wide part of the gold tee into the hole in the cutting stand top.



Vegetable Cutting
Stand

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