

Homemade Hoof Jack E-book

complete instructions on how to make a hoof stand



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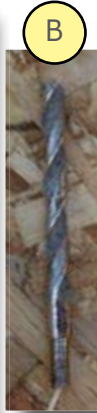
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Introduction

This ebook provides complete instructions on how to build your own adjustable hoof stand with interchangeable hoof rests, using a 6 tonne car jack.



Tools needed



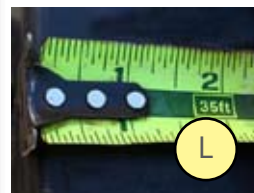
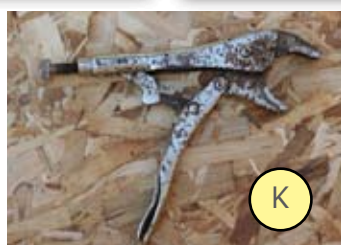
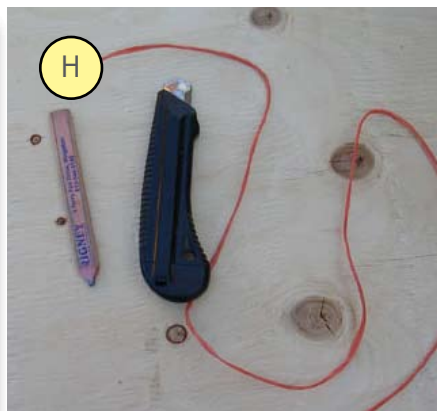
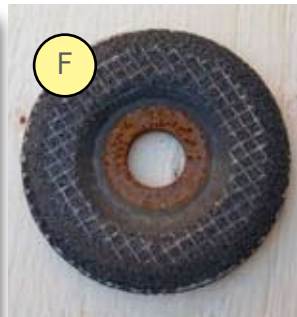
- A - Drill
- B - Large drill bit
- C - Small drill bit
- D - Phillip's head driver bit

- E - Angle Grinder
- E - Zip Disk
- F - Cutting Disk

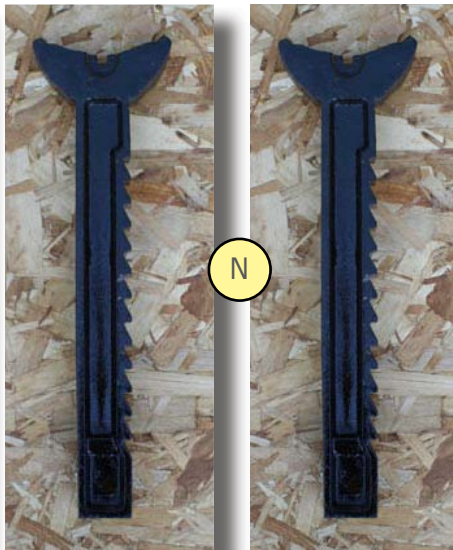
- G - Jigsaw
- H - Craft Knife
- H - String
- H - Pencil

- I - Clamp
- J - Stapler
- K - Vice Grips
- L - Tape Measure

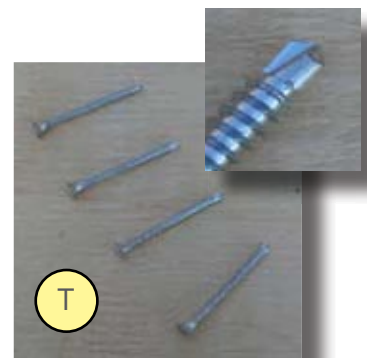
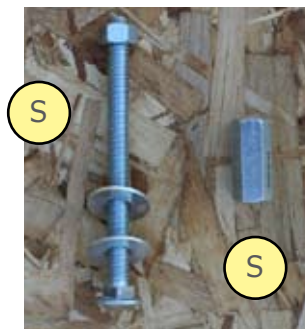
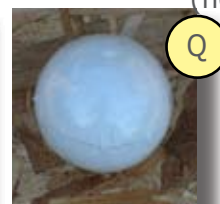
Welder (not pictured)



Materials needed



- M - 6 Tonne Jack Stand
- N - 2 x Jack Stand Rests
- O - 16" x 16" 1/2" Plywood
- P - Boat Bow
- Q - Lacrosse Ball
- R - Rubber mat
- S - 2 x 6" Bolts, 2 large Washers, 2 Nuts
- S - 2 x 2" Nut
- T - 4 x 1.5" Self-taping screws
- U - PL Premium Glue
- Black Spray Paint (not pictured)





Take the Jack Rest and cut the top off using the Angle Grinder with the Cutting disk.





Smooth all edges.



Remove paint on one side with the Angle Grinder and Zip Disk to provide a clear/clean space to weld the 2" nut onto.



Clamp the Rest onto a stable surface and position the 2" Nut so that it aligns with the top (cut) edge of the Rest.



Weld the Nut solidly onto the Rest.



Once the weld has cooled, paint Rest, Nut and joint with black spray paint.



Repeat this entire procedure with the other Rest.



Take the Boat Bow and measure and mark the halfway point. The Bow featured is 3" wide at the base so the mark is at 1.5".

Measure 1" from the top and mark a cross where the two lines meet.



Using the large drill bit (size to match your 6" Bolt), drill a hole where your two lines cross.

Note: this hole will be offset from the middle of the bow to account for the width of the Rest (see photo below).





Thread the Bolt through the hole you just drilled, with the head of the Bolt on the Y-side of the Bow. Place the Washer on the Bolt and then the Nut.



Tighten the Nut until the top of the Bolt is pulled into the Bow and is flush (see photo below for finished product).





Secure the Lacrosse Ball in the Clamp.



Use the Large Drill Bit to drill a hole through the center of the Ball.

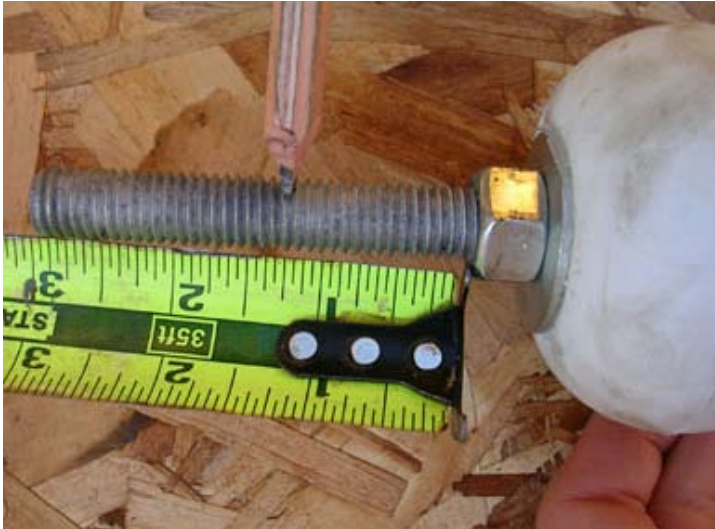


Insert the Bolt through the hole you just drilled. Place the Washer on the Bolt and then the Nut and tighten.



Tighten the Nut until the top of the Bolt is pulled into the Ball, squashing the ball slightly (see photo below for finished product).





Measure 1.25" from the bottom of the Nut on both the Ball and the Bow (below).



Use the Angle Grinder with the Cutting Disk to cut both Bolts at your 1.25" mark.



Screw your Bow into one of the Rests and your Ball onto the other one.





Take your Jack Stand and measure 2.5" from the corner of the release handle.



Use the Angle Grinder with the Zip Disk to cut off the remainder.

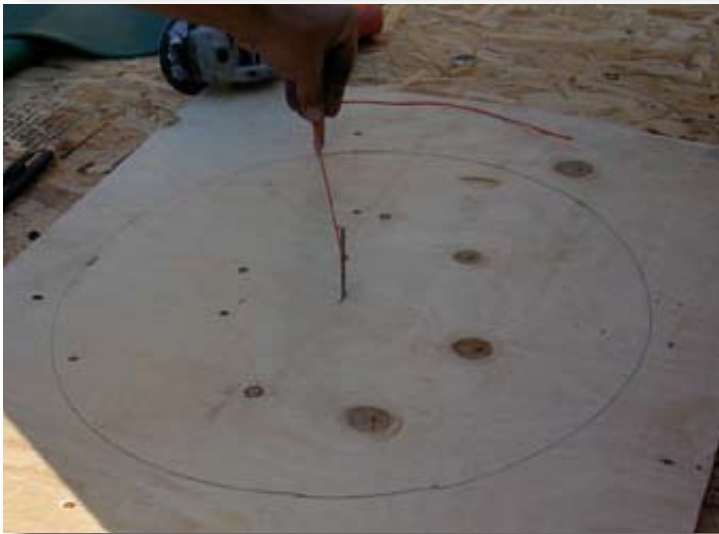


Replace the rubber cap on the handle.



Take your sheet of Plywood and place the Nail in the center. Attach your String and measure 8", placing the Pencil at the 8" mark. Wrap the remainder of the String around the Pencil to help keep it secure.

Note: You can make the circle larger if you wish - this will make the base more stable for larger horses, however it will make it a little heavier to carry.



Draw a circle with the Pencil - keeping the String tight.



Use the Jigsaw to cut out your circle.



Place the Jack Stand in the center of the circle and mark around the four leg corners.



Measure the distance from the edge of the corner to the middle of the triangle plate on the bottom of each leg.



Take the previous measurement and apply it to each of the corner marks you made on the Plywood circle.



Using your Small Drill Bit (which matches the size of the Self-taping screws), drill a pilot hole on your four marks.



Apply a large blob of PL Glue onto the bottom of each leg of the Jack Stand.



Align the Jack Stand onto the Plywood, lining up your corners with the marks you made previously.



Using the Drill and the Phillips Head Drill Bit, screw the Self-taping Screws into the Plywood (using the pilot holes you made at each corner) and through the metal triangle plates on each corner of the Jack Stand. You need to be very accurate for this step and it's useful to have someone else help you hold the stand whilst you drill.





Place your Plywood circle on the Rubber Mat and using your Craft Knife carefully cut around the edges.



Use the Staple Gun to attached the Rubber to the underside of the Stand.





Spray your new Hoof Stand with Black Paint (or any other color of your choice).



Congratulations! You now have the finished product!

Adding magnets for your tools makes for more convenience.

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