Floor Model Jack Stand

Lasting Jack Plans - DIY

The “Lasting Jack” is an essential tool for Hand Lasting and working on the bottom parts of the shoe.

With a floor model stand you can move around freely and exercise your whole body. Much better than sitting hunched over on a stool and working on your lap all day.

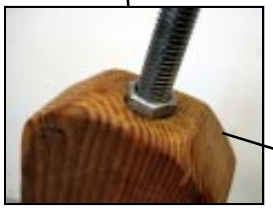
The Jack Stand secures the shoe last and allows both of your hands to be free for lasting, inseaming, soling, welting, pulling, cementing, nailing, cutting, hammering, etc. etc...

The ShoeSchool Lasting Jack is constructed with 2” x 4” vertical grain fir, each piece individually selected for tight grain and quality. Sealed with a hand rubbed finish to protect the wood for many years of service.

The universal design of the leather covered “Toe Cradle” and the “Threaded Heel Pin” will adapt to fit most any size or heel height of shoe or boot last. The angled design detail on the top of the long movable post which supports the adjustable heel pin, will accept the shaft of tall boots.

The most comfortable working height of the stand should be about where your elbow bends.

The Padded “Toe Cradle” is sculptured on a compound curved angle and covered with leather to protect the toe of the shoe.



Threaded Heel Pin adjusts up or down to accept any size or heel height of shoe or boot last.

Note the angles cut on top of the post.

This simple inexpensive design can be made with standard 2” x 4” boards from your local lumber yard and common parts available at any hardware store.

Traditionally you will see photos of some of the old time Shoemakers who would sit hunched over on a chair or stool and hold the shoe in their lap between their legs.

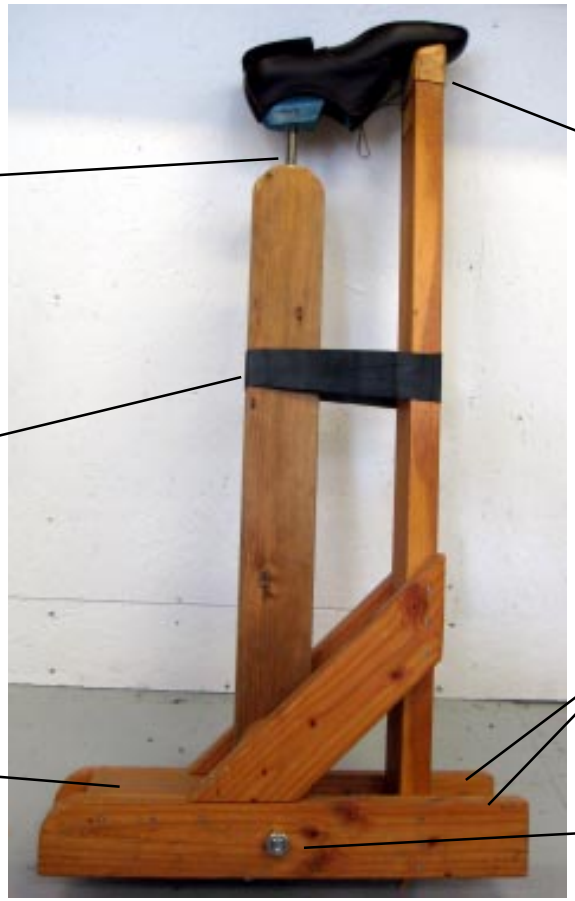
Jack Stand - Instructions for Use

Adjustable Pin
Can be adjusted by screwing in or out to fit any heel height of shoe or boot last.

Rubber Band Spring
Tension spring made with car tire inner tube, easily replaceable.

Adjust the tension by moving the band up or down.

Foot Rest Base
For holding the jack stand in place while you work with your hands free.



Sculptured Toe Rest with Leather Padding
When properly adjusted the toe will rest gently on the leather pad.

For very soft leather shoes you may want to use a soft cotton cloth for extra protection on the leather pad.

Floor Mounting Holes
4 pre-drilled holes on the base for mounting to the floor or larger pedestal base.

Carriage Bolt Pivot
5/8" x 8" long carriage bolt

Step 1 : Place your foot on the "Foot Rest" and pull back on the movable post.

Step 2 : Align the "Adjustable Pin" with the thimble in the heel of the last.

Step 3 : Place the "Adjustable Pin" into the thimble of the last. Be sure the last goes all the way down on pin.

Step 4 : Rest the toe of the last on the leather pad and release the spring loaded post. Adjust for a snug fit.

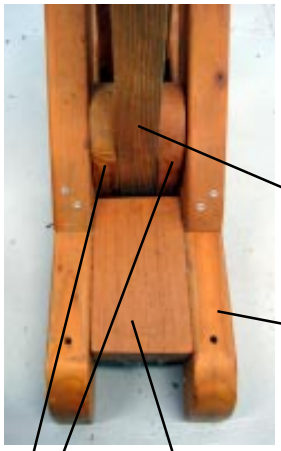
Jack Stand - Parts List & Details

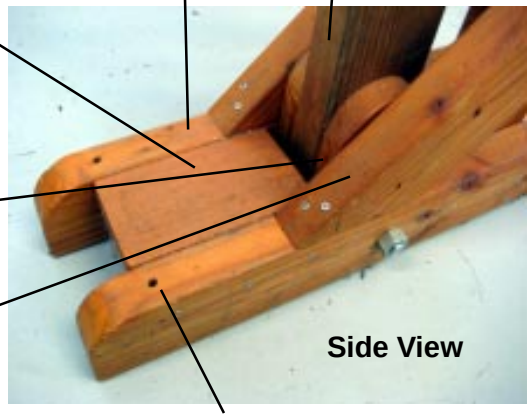
Parts List:
A - Base
B - Angle Brace
C - Foot Rest
D - Post with Toe Rest
E - Adjustable Rod Post
F - Spacers

The Standard Size
Tall & Short
Fit Almost Everyone

User Height:
5'8" Up = Tall
5'6" Down = Short

Front View





MATERIALS for Standard Sizes:
Kiln Dried 2" X 4" with Tight Grain

PART	QUANTITY	LENGTH
A	2	22"
B	2	13.5"
C	1	6.5"
D	1	44.5"
E	1	38.5"
F	2	6"

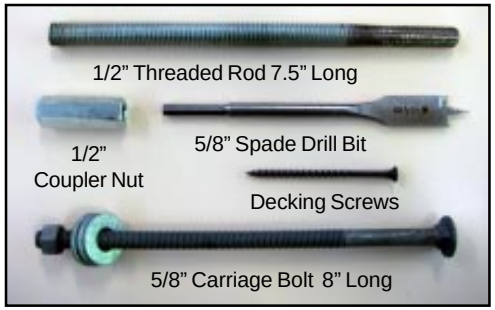
NOTE: Part B is cut with 2 - 45 Degree Angles the Long Point is 13.5"

LENGTH D - E Variable

Tall	Short
D = 44.5"	D = 39"
E = 38.5"	E = 33"

For Custom Sizing
D is 6" Longer than E

TOOLS & HARDWARE:



Quantity	Item
1	1/2" Coupler Nut 2" Long
1	1/2" Threaded Rod 7.5" Long
1	5/8" Carriage Bolt 8" Long
24	# 8 or # 9 x 3" Decking Screws
1	5/8" Spade Drill Bit
1	4" x 6" Veg Tan Leather for Toe Rest
30	Small Brass Tacks for Toe Rest
1	Car Tire Inner Tube for Spring

Jack Stand - Templates and Details

Front View

Padded Toe Rest

Use a 4” x 6” piece of Veg-Tan Leather to mold over the end of the post.

Back View

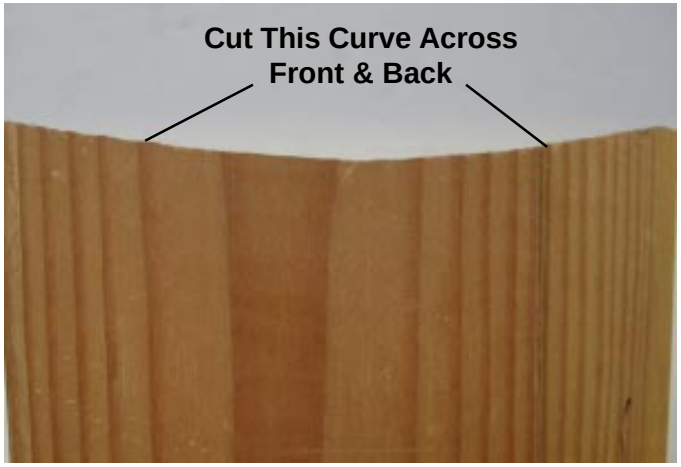
Wet the leather and mold it tight to the wood over the compound curves on the end of the post. Use small tacks to hold in place.

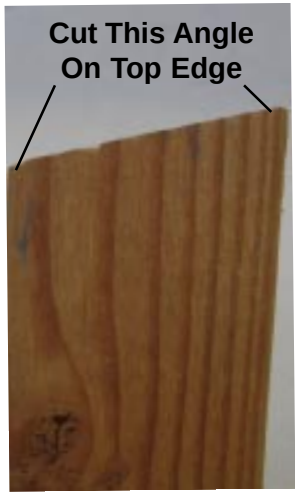
Side View

Fold the sides of the leather in an overlapping pattern and tack them in place.

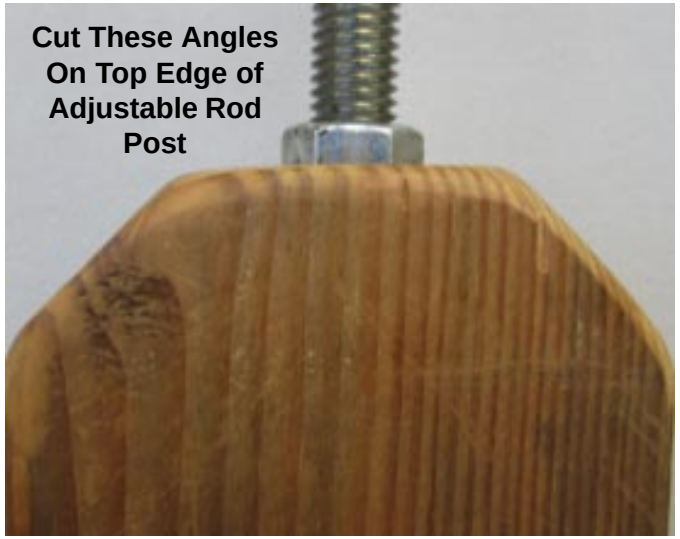
Curve and Angle Templates for Toe Rest

These templates are made to scale so they can be cut out and used to trace the pattern directly on a standard 2” x 4” post.



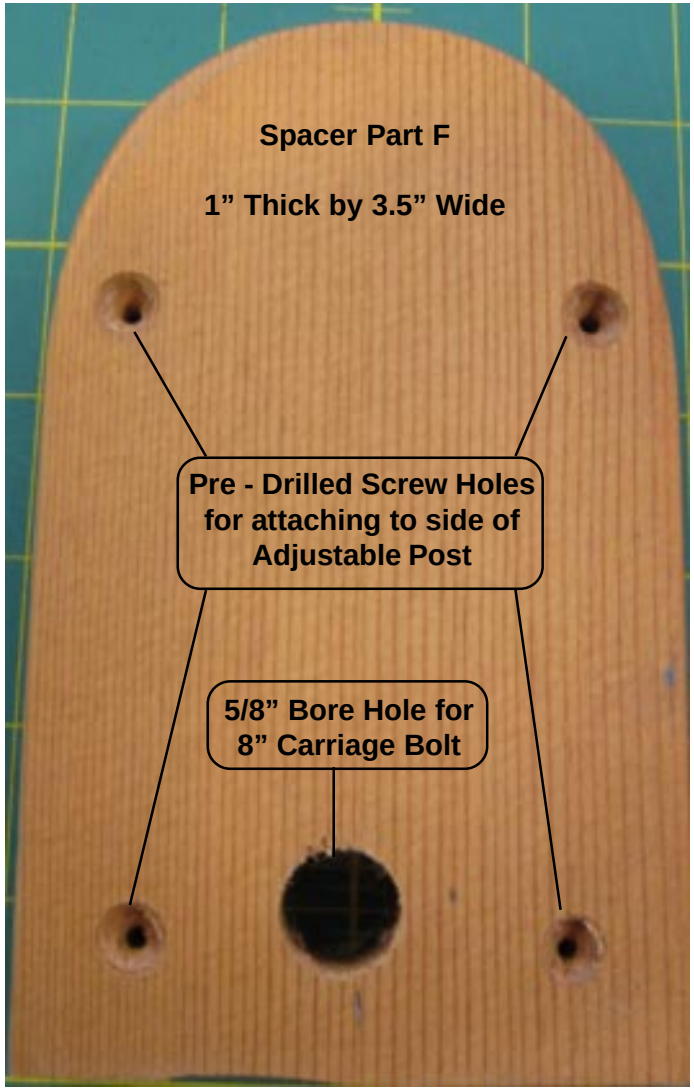


Template for Adjustable Rod Post



Jack Stand - Templates and Details

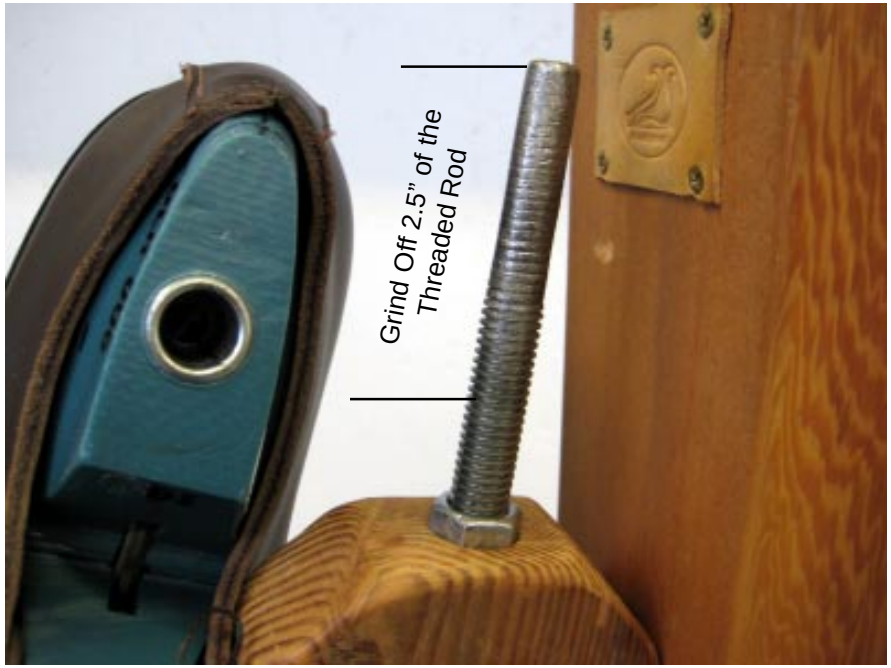
Template for Spacers Part F
This template is made to scale so it can be cut out and used to trace the pattern directly on a piece of wood which is 1” Thick by 3.5” Wide



Fitting the Threaded Rod to the Thimble
Lasts are made with different size thimbles that will require different size ends on the threaded rod to fit properly.

Grind off the top 2.5” of the threaded rod to fit the thimble on your lasts.

You may need to have 2 or 3 different rods to accommodate different size thimbles.



Inserting 2” Coupler Nut for Threaded Rod
Using the 5/8” Spade Bit drill a hole 8” deep into the angled end of the Adjustable Post.

Pound the 1/2” Coupler Nut 2” Long into the hole leaving about 1/4” sticking out on the top. It will fit very tight and needs to be forced in.

Jack Stand - Base Layout & Measurements

Repeat Steps to Assemble Base on Both Sides:

Step 1 : Position Toe Rest Upright Part D - 5” on Center from Back. Secure A to D with 3 - 3” wood srews.

Step 2 : Position Movable Upright Part E - Drill Center of Hole for Pivot Bolt 11.5 “ from Back, 1.75” from Bottom.

Step 3 : Position Part B and secure to Part D with 3 - 3” wood screws.

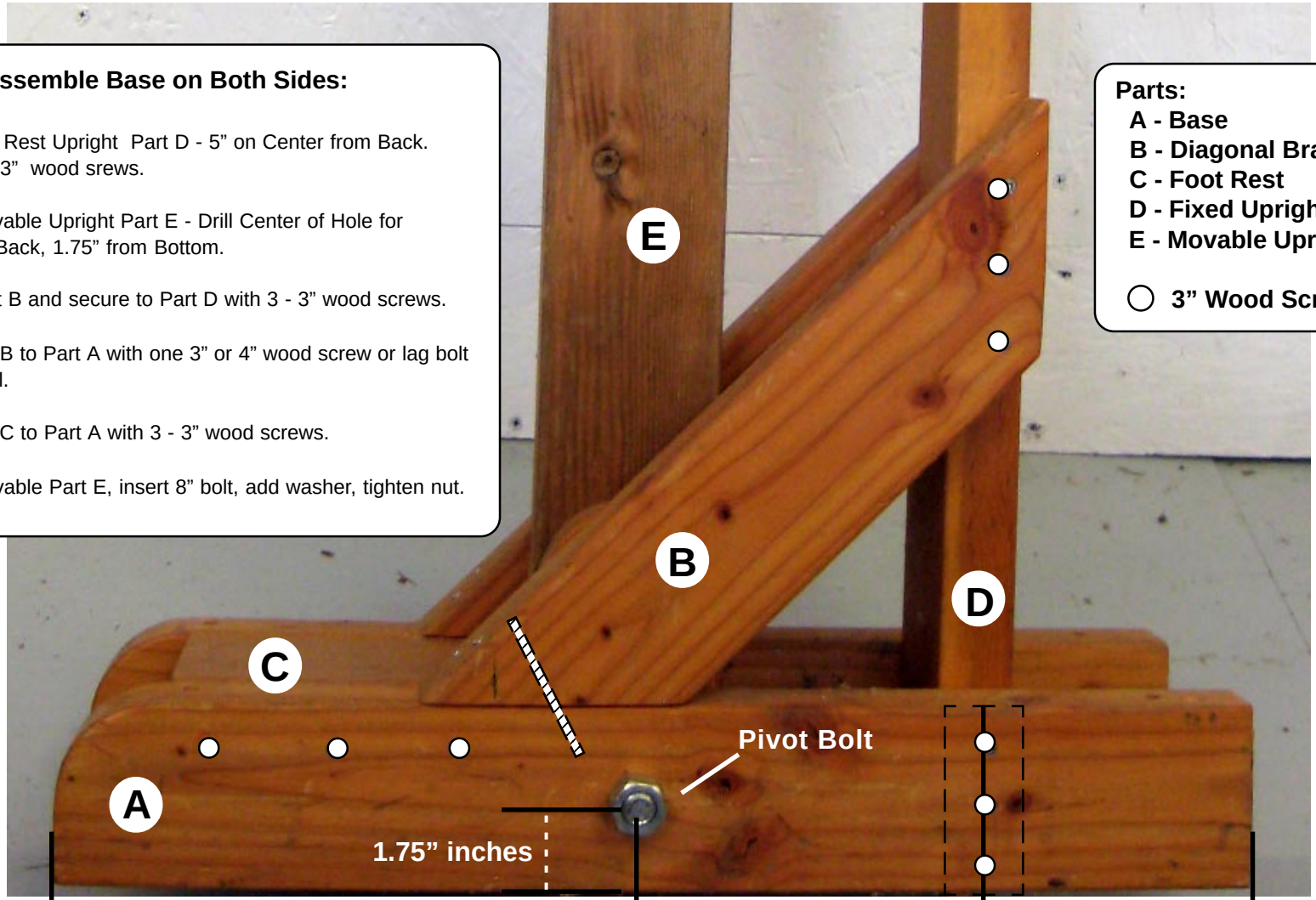
Step 4 : Secure Part B to Part A with one 3” or 4” wood screw or lag bolt Pre-drilled on Diagonal.

Step 5 : Secure Part C to Part A with 3 - 3” wood screws.

Step 6 : Position Movable Part E, insert 8” bolt, add washer, tighten nut.

Parts:
- **A - Base**
- **B - Diagonal Brace**
- **C - Foot Rest**
- **D - Fixed Upright**
- **E - Movable Upright**

○ **3” Wood Screws**



Basic Formula for Spacing Upright Parts E and D:
Center Spacing Between Part E and Part D is 6.5”