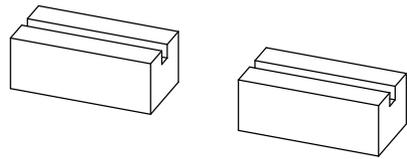
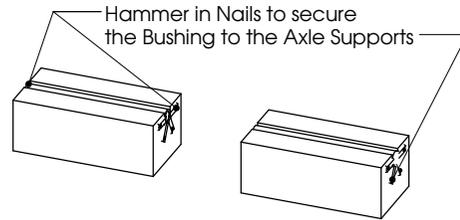


REAR AXLE ASSEMBLY #2

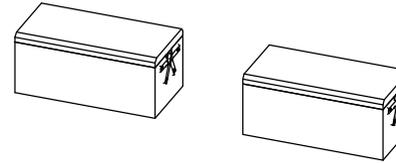
The stages in making and assembling the Rear Axle Assembly can be seen below.



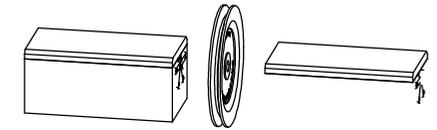
Step 1:
Cut a 20mm x 20mm slot in the Rear Axle Supports. Do this by cutting 3-4 cuts along the length of the piece using a Hand Saw or electric saw (see SHEET 5) and use a chisel to clean up and fully remove the slot.



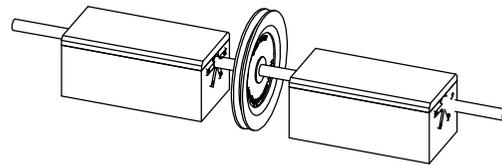
Step 2:
Insert the Rear Axle Bushings into the slots. Hammer nails in the ends of the Axle Bushings as shown above.



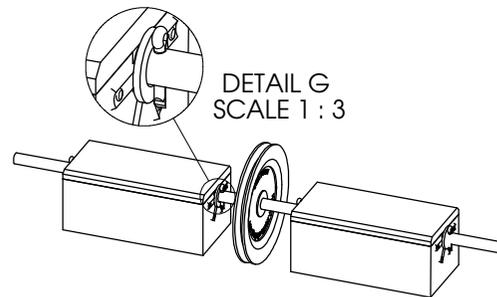
Step 3:
Nail the Rear Axle Support Covers in place using ordinary round wire nails.



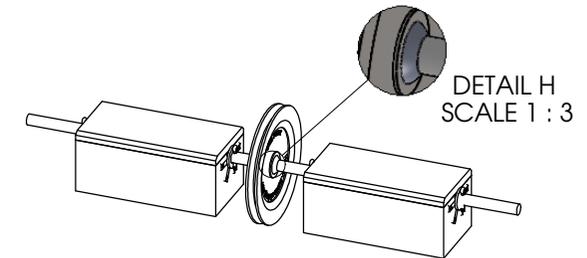
Step 4:
Line up the Steel Pulley in Place.



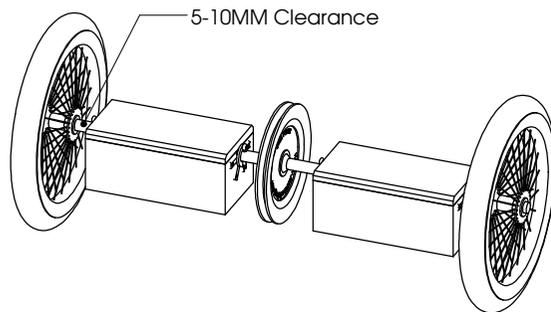
Step 5:
Insert the Rear Axle through the Bushings and Steel Pulley.



Step 6:
Apply grease and oil inside the Bushings, allowing them to rotate freely on the axle. Insert Washers and Split Pins to prevent the Axle supports from moving side to side.

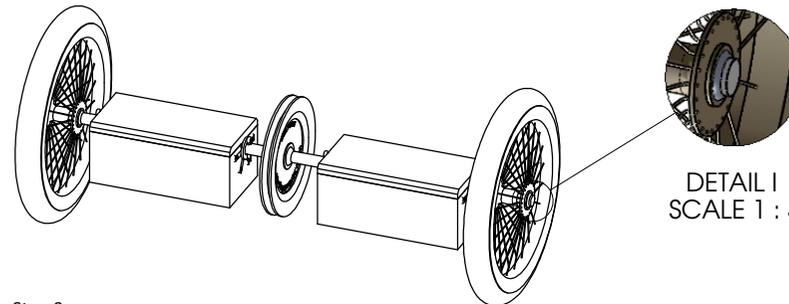


Step 7:
Weld the Steel Pulley Wheel to the Rear Axle. If you don't have a welder, take the Rear Axle Assembly to an Engineering company, and get them to do the welding for you. If you don't have a steel pulley wheel, see SHEET 14.



Step 8:
Fit the Spoked Wheels onto the ends of the Axle, leaving 5 - 10MM clearance between the split pins. Depending on the size of the hole in the middle of the spoked wheel, there are two options:

1. Obtain a 15MM Drill bit and increase the size of the hole in the Wheel
2. File / Grind down the ends of the axle so the wheel can fit.



Step 9:
Weld the Spoked Wheels to the Axle. If you don't have a welder, take the Rear Axle Assembly to an Engineering company, and get them to do the welding for you. If the Spoked Wheels do not have a metal hub, or cannot be welded to the rear Axle, see SHEET 14.

<p>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE DESIGNER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER IS PROHIBITED.</p>				<p>kartbuilding.net </p>	
<p>TITLE: REAR AXLE ASSEMBLY # 2</p>					
<p>MATERIAL AS SPECIFIED</p>				<p>DATE: 17/10/2009</p>	
<p>FILE NAME: Main-Wooden-Kart-</p>			<p>SIZE: A4</p>	<p>REV. 1</p>	
<p>SCALE: 1:20</p>		<p>DESIGNER: STEPHEN BURKE</p>			<p>SHEET 13 OF 21</p>