

<b>WORK EVIDENCE SHEET</b>		Evidence Ref. No: 17
Learner Name: <b>Aidan O'Flynn-mundin</b>		Employer: <b>Isle of Wight Steam Railway</b>
Address of site: <b>Havenstreet Station, Isle of Wight Steam Railway, Main Rd, Havenstreet, Ryde PO33 4DS</b>		
Job Start Date: 5 <sup>th</sup> September 2023		Job Completion Date: 12 <sup>th</sup> September 2023
Name of Job: <b>Evidence 19. 4168 Door Rail Replica</b>		
Brief details of job: <b>As a part of the running repairs on carriages, I was tasked to make a replica internal waist rail for a compartment door, as the original (approximately 100yrs old) rail component had been damaged beyond repair.</b>		
Have you had a site induction on this site and / or had toolbox talks?  <b>At the start of the day before we had started any machinery.</b>		
How did you receive your work instructions? (Attach specification / drawing / schedule or witness testimony confirming verbal instructions if possible.)  <b>Verbally from my supervisor who informed me of the task and how to manufacture a replacement component.</b>		
Planning for the job: Did you arrange materials to be delivered / moved before you started work?  <b>I had to collect the damaged rail, source a suitable hardwood timber replacement from the timber store and locate them into the workshop.</b>		
Give details of the people you spoke to, the instructions you received & the type of communication. (Oral, listening, body language?)  Colleagues: Foreman: Supervisor: <b>Paul Fisher: All of the above. Tutorial instructions for the use of machinery, Demonstration &amp; advice</b> Client:		
What materials did you use? (List them all)  <b>L 30in x W 6in x W 2½in Sapele 2x Medium oak stain 1x Medium oak stain varnish 2x Clear varnishes  4x 10g x 1 ¼in Brass slotted screws. 3x 8g x 1in Brass slotted screws.</b>		
How did you store them on site? <b>Carriage &amp; Wagon Workshop</b>		
What protection did you make for the surrounding area, materials & equipment before starting work? (Explain)  <b>Used dust extraction, checked the guards on woodwork machinery that I would be operating &amp; used newspaper to protect the work bench when I was varnishing.</b>		
List the hand tools & any equipment that you used: <b>Pencil Adjustable square, Steel rule &amp; Tape measure Tenon Saw Malet and chisels Sandpaper</b>	List the power tools that you used: <b>Kitty Bandsaw SCM Planer thicknesser Stromab Radial Arm Saw Sedwick Spindel moulder AJH Band Facer Makita Trimmer router &amp; Ryobi combe drill</b>	

Where were the tools & equipment stored on site?	
Carriage & wagon workshop	
What maintenance did you carry out on the tools & equipment?	
Changed the cutter on the spindle moulder & router, pre machining safety checks & dust extraction bags changed.	
What PPE was necessary / used?	Eye & Ear protection, gloves, Nitrile Gloves, Dust mask & overalls
Explain details of any hazards on the site (E.g. cables, fumes, Access etc.)	Hazard: Using the Makita trimmer router as you operate it close to the fingers.
How did you deal with the hazard?	Solution: I used the necessary safety guards.
	Hazard: Dust from changing the extractor bags.
	Solution: Wore required PPE e.g. Dust mask, Eye protectors and overalls
Briefly describe the work you did; how you protected it & any access equipment you may have worked from:	
<p>I first collected the damaged rail from the guard's van and brought it back to the workshop.</p> <p>My supervisor and I discussed the best way to manufacture a new replacement replica. I sourced the timber from our timber stores cut &amp; planed it to size using the Table saw &amp; planer.</p> <p>I used a trimming router with a small rounding cutter to cut the curved groove, I set the router cutter to the deepest part for the curve and gradually raising the height of the router in separate passes in order to achieve the desired curve.</p> <p>I smooth out the curve by using a band facer &amp; fine sandpaper.</p> <p>I then cut the groove in the base of the rail with a router, the groove attaches to the panels on the door. I use the spindle moulder with a half round cutter to cut a full round along the top of the rail.</p> <p>Once done, I cut the rebates on either side of the rail and sanded a rounded edge on both ends.</p> <p>I used a rasp and sandpaper to shape a slight ware groove in the back of the rail, as this is where the window strap runs against.</p> <p>I prepared the rail for staining and varnishing and once the clear varnish had cured, I added the gold leaf letter/number transfers which had been prepared, followed by a final coat of clear varnish.</p> <p>I waited until a non-running day to install the rail to the compartment door.</p>	
Did you work at height on this task? Did you check the equipment for safety?	
I did not work from height during this task.	
Did you do this task on your own or as part of a team? (If on your own, how did you take responsibility for completing the work?)	
On my own; However I did have tutorial guidance from my supervisor during the task.	
Apon completion my work was checked by my supervisor.	
Explain what the time constraints for this job were:	
As soon as possible, due to the compartment(from which the damaged rail had been removed) was required to be reopened at the earliest opportunity in order to seat passengers.	
Was the quality of your work checked when it was completed? Was there anything you could improve next time?	
My work was inspected by my supervisor.	



What problems / difficulties were there? (e.g., delays due to damaged materials / equipment, problems from the weather or access to premises)

**The only issue was the being able to have enough time to fit the replica rail to the compartment door between the running services of the trains.**

How did you sort the situation out? **Waited until a non-running day to fit the replica rail.**

Give details of any changes to the work programme. What changes took place; name the people who informed you.

**No changes in the work programme occurred, however, I did keep the Operating Department up to speed with the process of the work & repairs.**

How did you clean up the work area & what did you do with unused materials?

**Any unused material that was still usable was put back into the stores. Any unusable material was deposited of in the wood bin. I also hoovered up and sawdust/shavings on the machinery & work benches.**

What did you do to keep the workplace secure? (e.g., lock premises, ensure visitors sign in)

**Timesheets, Locked up at night.**

What company rules did you follow?

**IWRS Workshop Rules & Dust extraction Plan**

**Health and safety at work act 1974**

**Woodworking Machine regulations 1974**

**Personal Protective equipment Regulations 1992**

**Provision and Use of Work Equipment Regulations 1998**

What company documentation did you complete? (e.g., timesheets)

**Sign in sheets, machinery safety form & timesheets**

Photographs- Date, location, WBR's signature. Identify yourself with an arrow if others are in the photo.

State the number of photographs attached:

**7**

Staple photographs to evidence sheet.

Candidates Signature:



Date: **29-11-23**

**I CONFIRM THAT THE DETAILS GIVEN ABOVE ARE ACCURATE -**

WBR / Supervisor's / Customers Name (Please print):


**Paul Risthen**

Position in company:

**Chargehand**

Tel. No.

WBR / Supervisor's / Customer's Signature:



Date:

**29/11/23**

*Please note that this form cannot be accepted as evidence UNLESS it has been signed & dated by all concerned.*



# Photographs

Date: 5<sup>th</sup> – 12<sup>th</sup> September 2023

Location: Isle of Wight Steam Railway



Original waist rail approx. 100 years old

Myself cutting the groove with the router

