

<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: <b>5<sup>th</sup> September 2023</b>	Job Completion Date: <b>12<sup>th</sup> September 2023</b>	
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)		
<p><b>L 30in x W 6in x W 2½in Sapele</b></p> <p><b>2x Medium oak stain</b></p> <p><b>1x Medium oak stain varnish</b></p> <p><b>2x Clear varnishes</b></p> <p><b>4x 10g x 1 ½in Brass slotted screws.</b></p> <p><b>3x 8g x 1in Brass slotted screws.</b></p>		
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</b> <b>Adjustable square, Steel rule &amp; Tape measure</b> <b>Tenon Saw</b> <b>Malet and chisels</b> <b>Sandpaper</b>	List the power tools that you used: <b>Kitty Bandsaw</b> <b>SCM Planer thicknesser</b> <b>Stromab Radial Arm Saw</b> <b>Sedwick Spindel moulder</b> <b>AJH Band Facer</b> <b>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?	<b>Eye &amp; Ear protection, gloves, Nitrile Gloves, Dust mask &amp; overalls</b>
Explain details of any hazards on the site (E.g. cables, fumes, Access etc.) How did you deal with the hazard?	<b>Hazard: Using the Makita trimmer router as you operate it close to the fingers.</b> <b>Solution: I used the necessary safety guards.</b> <b>Hazard: Dust from changing the extractor bags.</b> <b>Solution: Wore required PPE e.g. Dust mask, Eye protectors and overalls</b>

Briefly describe the work you did; how you protected it & any access equipment you may have worked from:

**I first collected the damaged rail from the guard's van and brought it back to the workshop.**

**My supervisor and I discussed the best way to manufacture a new replacement replica. I sourced the timber from our timber stores cut & planed it to size using the Table saw & planer.**

**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.**

**I smooth out the curve by using a band facer & fine sandpaper.**

**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.**

**Once done, I cut the rebates on either side of the rail and sanded a rounded edge on both ends.**

**I used a rasp and sandpaper to shape a slight wear groove in the back of the rail, as this is where the window strap runs against.**

**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.**

**I waited until a non-running day to install the rail to the compartment door.**

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.

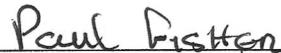
Candidates Signature:



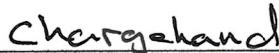
Date: **29-11-23**

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

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



Position in company:

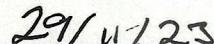


Tel. No.

WBR / Supervisor's / Customer's Signature:



Date:



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

# Photographs

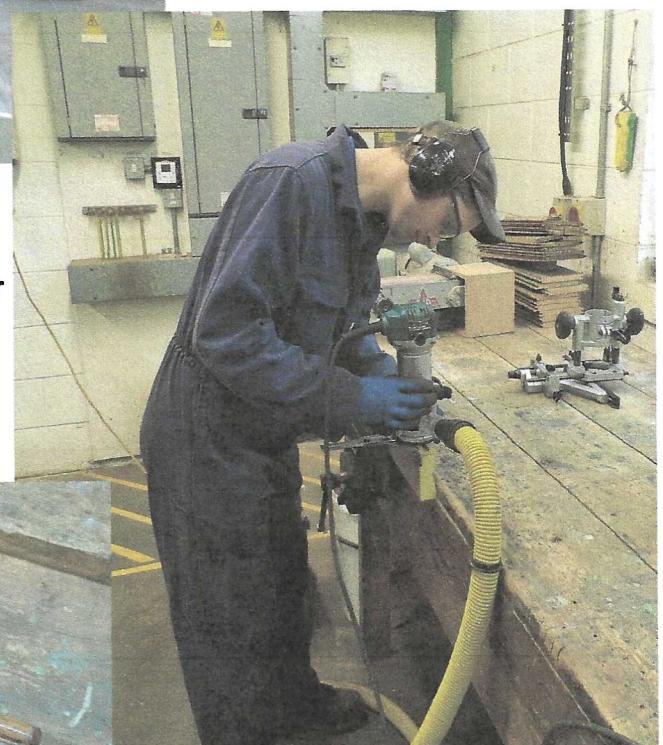
Date: 5<sup>th</sup> – 12<sup>th</sup> September 2023

Location: Isle of Wight Steam Railway



Original waist rail approx. 100 years old

Myself cutting the grove with the router



5 Sept 2023 16:02

