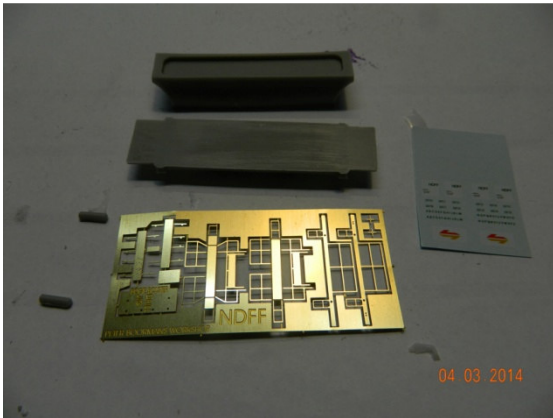
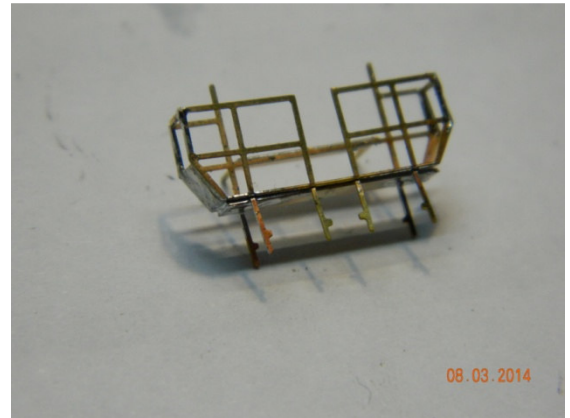


## PETE BOORMAN WORKSHOP NDFF BALLAST HOPPER



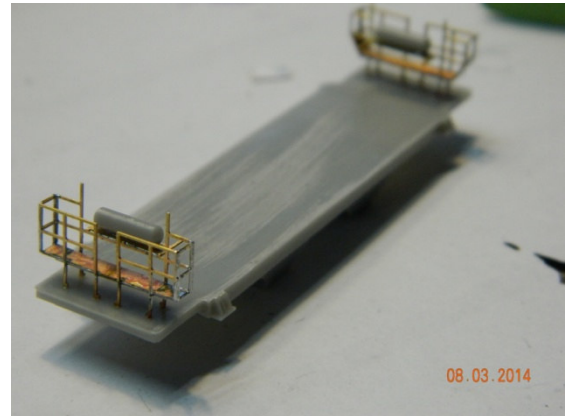
Kit contents.



Next tin the base of the platform and the top of the leg section. The legs fold towards the  $\frac{1}{2}$  etch lines. Sweet solder together. You can use super glue if you like. Repeat for the other cage.



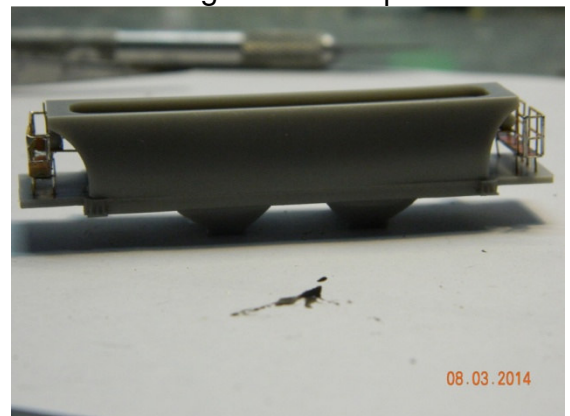
After cleaning up any flashing remove the drill jig from etch. Centre on end of wagon as above. Drill 0.5mm holes. Tip drill one hole then insert a pin or wire to hold jig in place.



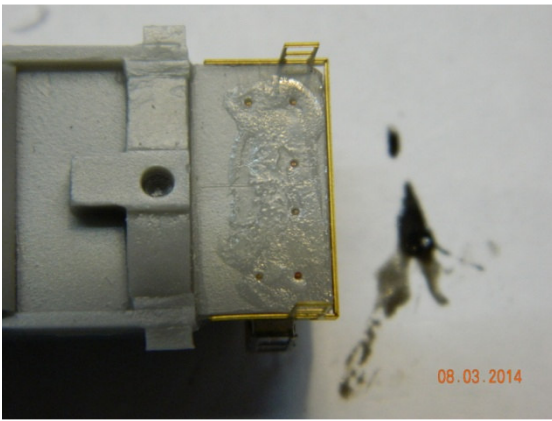
Note the second cage is different to the other. Once assembled glue into the pre-drilled holes.



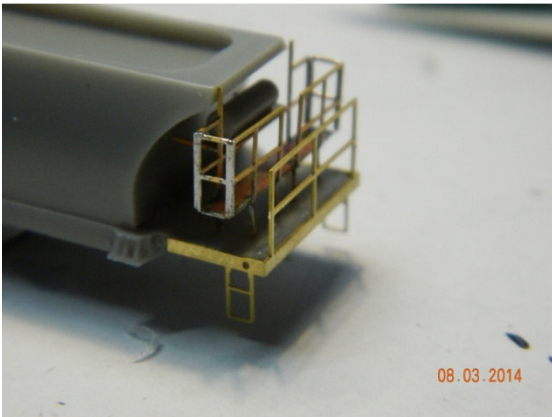
Carefully remove cages from end. Folds are towards the etch lines. I used a small pair of needle nose pliers to fold up the ends. Note the angles. Run a bead of solder along the joints. Next fold down the air tank platform and run a bead of solder along the fold line underneath.



Test fit wagon body. File back as required. Once satisfied with the fit glue the body in place.



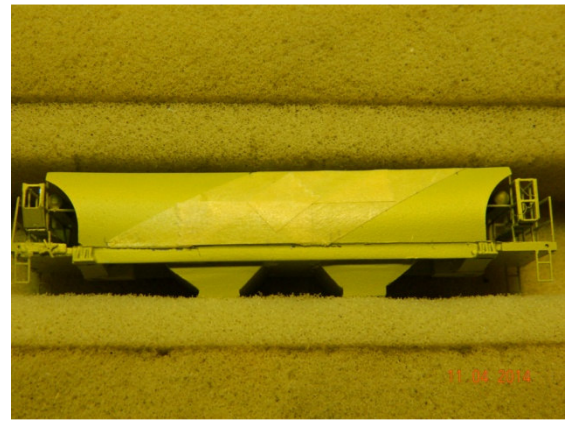
Fitting the shunters steps and end hand rail etc. You need to round off the corners a little to get a good fit.



When completed set aside to let the glue harden. Paint in a grey primer and finish in your desired colour scheme. I decided on freight rail.



To do the stripe I used a HO NDFF to get the rough measurements. All measurements are taken off the hopper body. Bottom left hand approx 4mm from end, top left hand approx 28mm from end. Bottom right hand approx 21mm from right hand end, top 8mm from end.



Masking tape applied.



Top coat done.



Decals and bogies applied.



Finished with some ballast white glued in. Ready for service.



Some proto type photos for inspiration.