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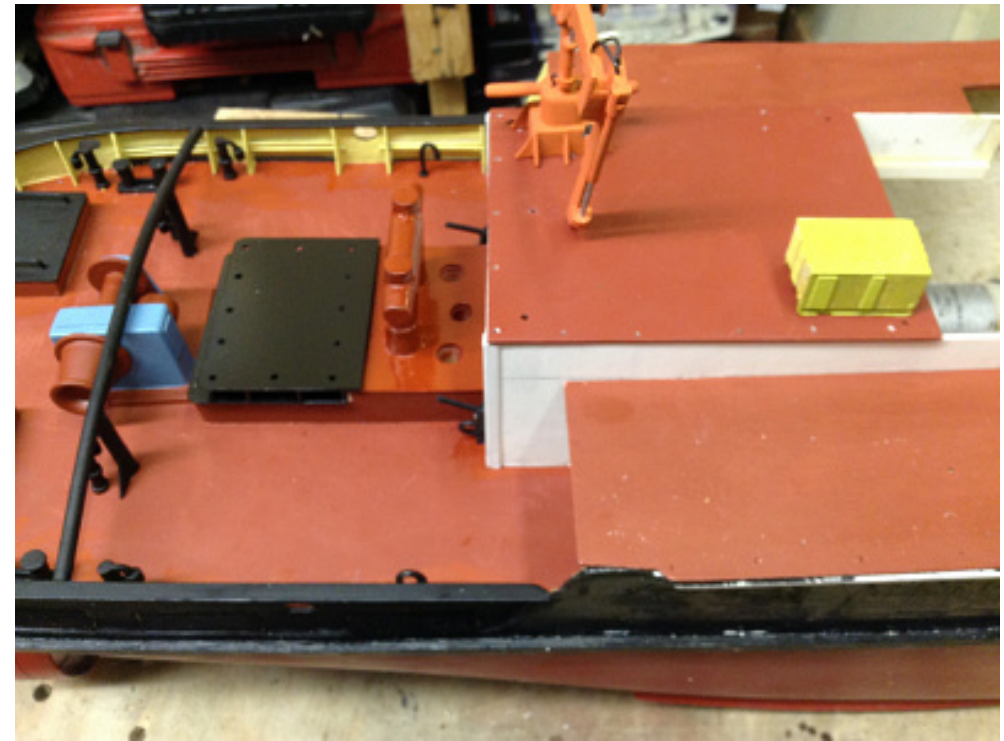
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## Refit Irishman to Yorkshireman tugboat

by Rogal118



5th May 2019

## Refit Irishman to Yorkshireman tugboat

I purchased this from an ex seaman who had actually crewed the Yorkshireman out of Hull. He was now finding it difficult to lift the model and transport it, so decided to sell. The model had seen a few owners and may have been 20 years + old. It had had at least 4 coats of paint the latest being done by what looked like a plasterer. On closer inspection some of the fixtures and fittings were damaged and re glued, parts looked as if the top superstructure had been dropped and the bow section bulwarks had been smashed and refitted badly



5th May 2019

## Remove all fittings

On closer inspection I realised that the glue used was something akin to molten toffee, which, as it happened wasn't a bad thing because all the parts snapped off perfectly and in one piece. The hiab crane was in 3 pieces and was stuck to the deck upside down. So after quite a while patiently chipping the layers of paint off the removed fittings I was down to the bare metal/cast resin/ plastic. After some research I became familiar with what a hiab should look like and started to piece it back together. The metal had snapped in a couple of places so I had to drill 1 MM. holes through the breaks and pin together after 1st applying a 2 part araldite glue. I then drilled more holes at the joints of the crane and inserted small pieces of piano wire that protruded slightly. using small pieces of black plastic electrical cable with the wire removed I bonded these small lengths onto the piano wire to mimic flexible hydraulic pipes.



6th May 2019

## Deck work

Thankfully one of the first jobs I did on bringing the boat home was to take a lot of photos for reference, these I have found invaluable in remembering where the parts are to be refitted. Having spent a while on the fittings cleaning and repainting I decided to leave alone. one point I can pass on was the use of my stash of different sized bulldog clips, these were invaluable to aid painting the small parts. I found gripping the deck fitting dowels with the clips I could paint all the fitting and then hang up to dry without touching the paint. On removing the deck fittings a large amount of deck paint flicked off too. So a natural progression was to remove the rest, in doing so the bulwark supports all came off, then the bulwark capping, then guess what the bulwarks. Surprise surprise, I'm glad the original glue was crap. By the time I'd finished I had a empty hull and a kit of parts that was in a sorry state. The only deck tight fitting was the aft deck so I left it in place. The bow deck and mid section just about removed themselves,oh what have I done!! Did you ever take a clock to bits as a kid to see how they worked?

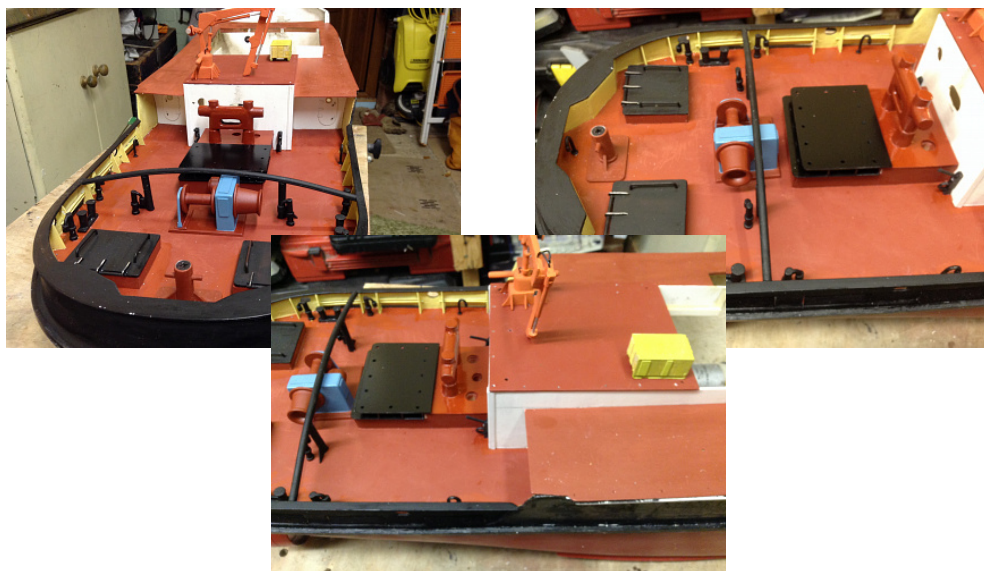




13th May 2019

## Yorkshireman refit towing post deck

Now realising that the refit was here for the long haul. I purchased the complete Aziz to get us experience at the pond and to bring us into contact with far more experienced modellers and tuggists. These guys have been brilliant and helped with my forward planning of the refit. One area that needed addressing was the towing post connection, the original was just bonded to the removable deck hatch that gave access to the steering servo. This wouldn't have pulled a butterfly without breathing off. A solid block of U shaped wood straddling the servo motor was fitted to the underneath of the deck, which in turn was screwed to the servo mounting block bonded to the hull. Which I soon found it wasn't, so a good blob of 2part Araldite and a heavy weight sorted that out overnight. Now any forces on the tow post would be transferred down to a larger area of the hull bottom. If building the boat kit from scratch this must be considered at an early stage, especially if thinking of towing in the future. One tip given to me from a long standing member regarding this towing pull was to have a rear tow link loose tethered from a post as far aft as possible. The reason soon became clear, if the only tow connection is from the centre of the tug, and if for any reason the tug should turn to port or starboard more than a few degrees the weight of the towed vessel could pull the tug over, having a slipping line just long enough to allow the tow line to clear the stern sides. Any further and upon taking the strain the stern of the boat is pulled in line and safety. There is a nautical term for this tether but I can't remember it. Cheers Rog.



7th May 2019

## Yorkshireman refit- rear deck

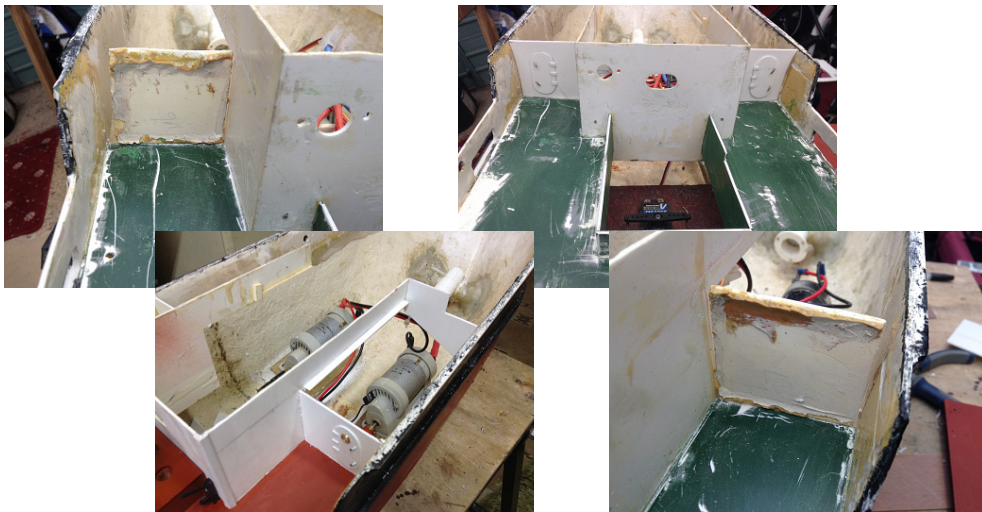
No turning back now I thought this was going to be straight forward. I've decided to put the main bridge superstructure to one side of the work bench and forget it, for now. In the past I found it easy to try to do too much, you get bogged down, disheartened and lose interest. So the next job now the decks are off was to check the rudders operation. It did seem a bit vague, the boat came with a full set of working radio gear. 4x6volt batteries in banks of 2 that took a charge well. A steering servo and 2x decaperm geared 6v motors turning in opposite directions with handed 4 bladed screws. The rudder cranks were white metal that didn't grip the rudder shafts tight enough, hence the vagueness, 1 motor was loose on the mountings, the other had a cracked gear box cover. Is it me, this scenario seems so reminiscent of so many good looking cars and bikes I've bought over the last 40 years, only to find within a couple of weeks you've got "sucker" written across your forehead, and a lame dog on your hands. These to me are the type of challenge I like. There the only ones I know come to think of it. New kits are for pussies? Jokingly. Anyway if someone in the past has taken all that time and effort to turn a silk purse into a pig's ear, I look at it as a challenge to turn it back into its former glory. None of the hatch tops were square especially the covers for the rudder cranks, and as can be seen in the accompanying photos the deck holes weren't raised to stop water ingress. I re-cut the holes to help fit new cranks and fitted 10mm up stands, made new sheet hatch covers then refitted the original hinges and handles. Also while cleaning the loose paint layers off the outer stern bulwark, I uncovered the original name of the boat. It was originally a "Yorkshireman" hence my goal to turn a Irishman into a Yorkshireman. Apparently after a bit of reading up they were sister ships in real time and were built not 20 miles from me at Selby, Yorkshire around 1976.



9th May 2019

## Rebuild rear deck Yorkshireman

Now all the flaky paint has been removed it's time to start rebuilding. A trip to the model shop for everything I thought I might need and a bit more just in case. sheet, flat, round and angled plastic in various sizes paint ,glue and piano wire should do for now. The first job I wanted to tackle was the rear deck bulkheads between the hull sides and the engine room, port and starboard. originally these had been badly fitted,and glued in place with mastic, filler, glue, bostick and other substances scientists are still trying to identify. I also thought that there should be watertight doors here, but through lack of drawings and photos I decided to use modellers licence and make my own. I fitted the bulkheads then fitted an oval shaped door on the surface,added hinges and handles plus a little brass porthole for effect. I then squared everything up and trimmed to size at deck level as the deck will be supported by this bulkhead later. Using some of the small plastic angle I super glued everything in place as this increases the glueing surface to be bonded and it worked quite well. So I added other angled strips to support the deck against the engine room sides. I still had the original main deck in one piece and thought about recutting a new one but the old was still useable and besides all the holes for the handrails were in and I didn't fancy redrilling them again. It came in handy for aligning all the parts and checking everything was square and true. Hope the photos give a gist of the text above.

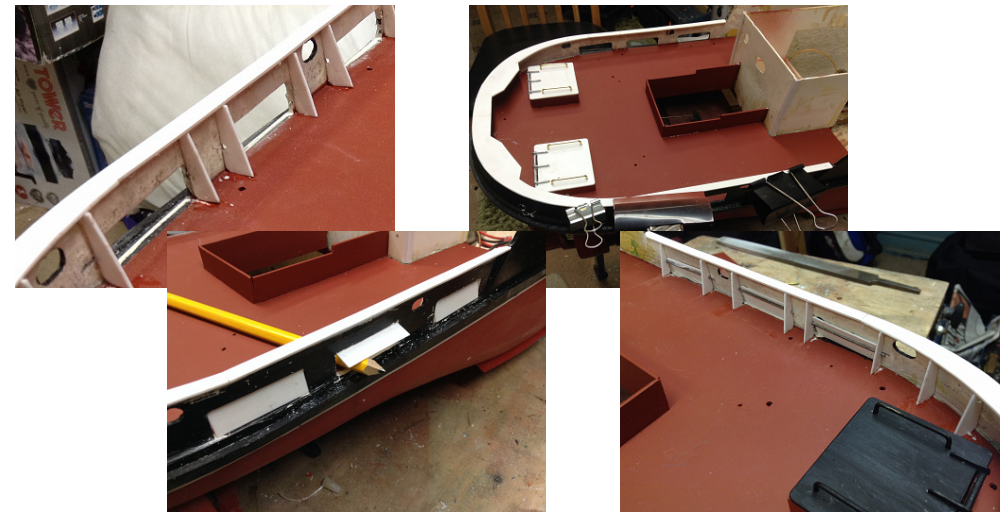


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11th May 2019

## Rear deck bulwark capping and freeing ports. Refit

Well a couple of coats of paint to the deck certainly tidies things up a bit. So next using the old bulwark capping as a template I cut new out from sheet. Clamped in place and trimmed to give an even overhang all around in and out. On measuring the bulwark heights there was up to 1mm difference and the top edge was wavy, a bit of filling with a 12in flat file soon sorted that though. Small flat plastic extrusion was used for the straight capping, butt jointing to the previous cut, curved rear section. Before bonding in place I decided to tidy up the freeing ports, these were all shapes and sizes and looked as if originally the modeller had employed his pet rat to nibble the holes out. I squared them up and made them look all the same. My next dilemma was what to do with them. The model originally had them covered with thin clear plastic sheet, stopping any water splashes from escaping back into the pond. Looking at the vague copy of plans I had it showed a wire strip across the freeing port for the port flap to pivot around. After a bit of trial and error I realised I could get this to work. Basically the flap had to open if water pressed against it from the deck side but be forced shut when the pond/sea water pushed from the outside of the boat. The way I found to do this was to put the pivot wire 1/3rd down from the top of the freeing port so most of the weight was at the bottom, this ensured the flap was self closing. I made the flap the same width as the port but slightly higher so the top edge was inside the bulwark and the bottom was outside this way they would only pivot outwards at the bottom, when bonded to the wire pivot. a little chamfering, top outer and bottom inner provided a near perfect fit. The next job was to fit the vertical bulwark supports each side of the freeing ports and make a pivot hole for the wire to turn freely and the flaps could pivot and shut perfectly. After couple of goes I did achieve it and finished all 6 in about 2 hrs. I then glued all the capping in place using the bulldog clips while the glue set. Next was the bulwark support brackets. When set the wire pivot was fitted in the small holes 1/3rd down for the flaps, these were bonded in place one at a time and left to set before bonding the next as they tended to fall out of position if not fully set. When all were done they worked perfectly even blowing gently opened and shut them. I was chuffed to nuts as they say and well pleased with several nights work



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