



# Bow Enhancement Kit Build Guide

## INTRODUCTION

This Bow enhancement kit was designed by me after studying the actual ship and using accurate drawings from the book 'Anatomy of the Ship' by John McKay.

This build guide is more of a build diary of how I used the kit on my model. So for no means do you need to exactly follow my guide if you want to do certain things differently. Using this aftermarket kit, it is assumed you are proficient in basic "kit bashing".

I hope you find this guide helpful and I ultimately hope this kit massively enhances the look of your model.

### **IMPORTANT!**

#### **RESIN PARTS**

**CONS:** Are very fragile and brittle. Handle with care. Use a new blade when cutting on a hard surface.

**PROS:** Extreme high detail with nearly no print lines.  
Very easy to paint.

Can easily be bent or straightened if warmed up.



# PACKAGE CONTENTS ENHANCED BOW KIT

1:84 SCALE

## TIMBER HEADS

3mm laser cut plywood

## GANGBOARD SUPPORTS

3mm laser cut plywood

## GANGBOARD (MARINES WALK)

1.6mm laser cut plywood

## TIMBER HEAD EDGES

3D printed resin

## BOW GRATING

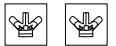
1.6mm laser cut plywood

## TOP, MIDDLE & LOWER RAILS

3D printed resin

## CATHEAD DECORATIVE ENDS

3D printed resin



## CATHEAD LOWER SUPPORTS

3D printed resin

## CATHEAD SIDE SUPPORTS

3D printed resin

## WATER BREAKERS

3D printed resin

100mm scale

## PREPERATION

Prepare all the parts and your model before attaching to your model. I recommend dry fitting everything before glueing into place. There will be some need to adjust some parts to fit your model. As we have made some items over sized to allow you to trim them to perfectly fit each persons slightly different model.

### PREPARE YOUR MODEL

- Remove your wooden water breakers from your model. Ready for attaching our detailed resin ones. Then attach the resin ones before rigging the bowsprit into place.
- I recommend attaching your bowsprit and rigging the gammoning lines BEFORE attaching this bow kit. As the rigging process will be difficult if done after.
- Dry-fit the timber heads. You will need to widen the slots so they fit easily.
- Create the ships Cat heads.
- Paint your model.



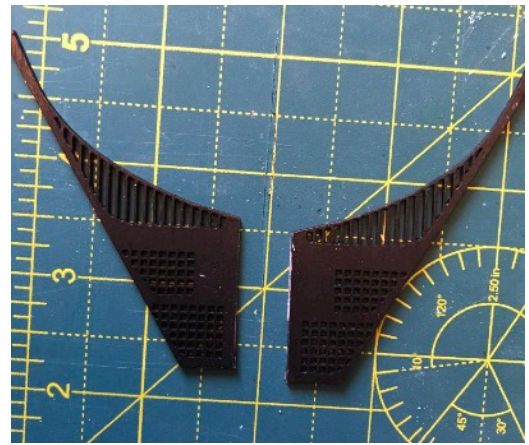
### PREPARE YOUR BOW KIT

- The smallest timber head is very weak at the slot locations. You can strengthen this part by adding wood veneer to the inner edge of this timber head.
- Test the rails in the slots of the timber heads. You may need to file them at the angle the rails go through them. Make sure the rails do not protrude. I found the largest timber head needed the slots enlarging to comfortably fit the rails.

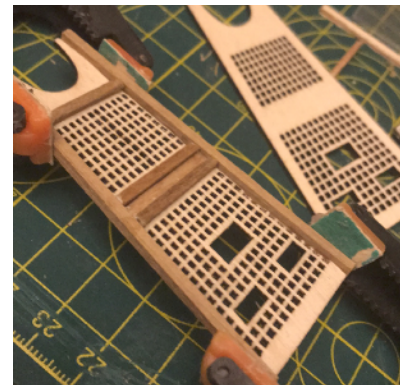
- Add supports to the middle 2 timber heads with 3mm wood strip (optional)



- I recommend cutting the large grating into 2 pieces. Then this can be easily attached around the gammoning rigging and the marines walk supports.



- You may want to enhance the Marines walk. By cutting out the gratings and using 2x3mm wood strip to create a frame.



- Paint your bow kit by observing photos of the ship.



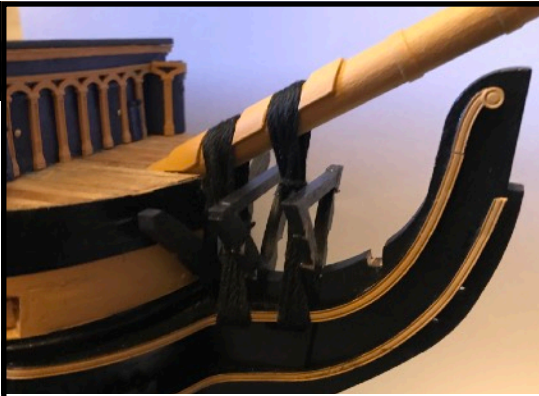
## PREPARE THE RESIN PARTS

- 3D printed resin parts may have nubs where the print supports have been. These can be easily sanded smooth.
- Certain resin parts made need bending or straightening. This can easily be done by warming them up with a hair dryer and holding into the correct shape.



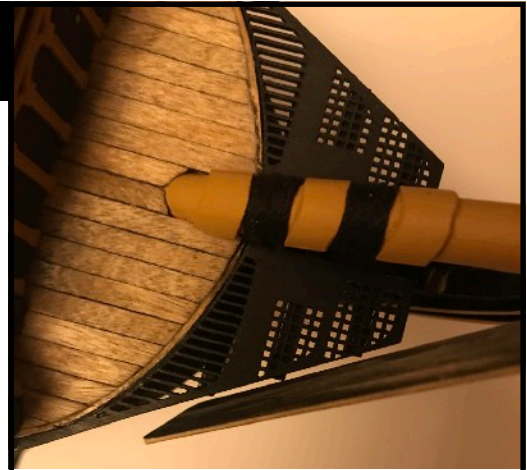
# ASSEMBLY

1



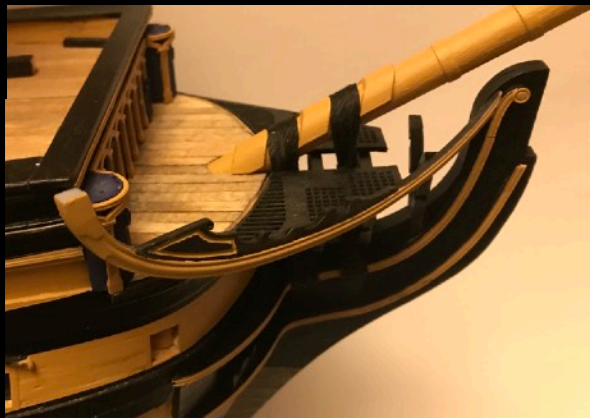
Attach the timber heads. Making sure the tops are flush and they are straight and true

2



Add the lower grating platform. Then sand any protruding corners of the timber heads flush with the edge of the grating.

3



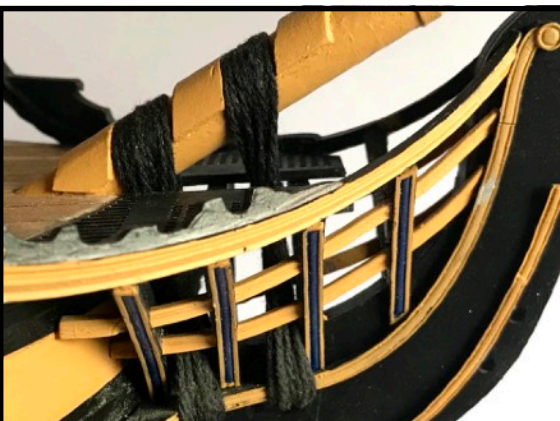
Add the top rail. You may need to bend the front part to fit better. You may want to file slots into back so they accommodate the round house decorative pillars.

4



Add the middle and lower rails. Ensure they do not protrude the slots. If they do just gently carve into them with a sharp knife so the cappings will fit flush.

5



Add the decorative cappings to the head timbers.

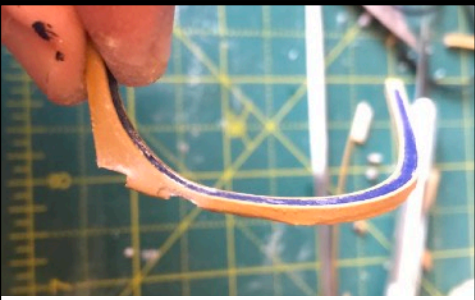
6



Fix into place the Cat heads. Also add the decorative crowns.



7



Mark on the cathead supports where they will fit over your hulls mouldings. Then full slots into the rear to achieve a flush fit.

8



The cat head supports may need cutting to size. Do this by cutting a piece out the middle and then redoing the two parts back together. You can warm this part to curve it round the hull. It should join the middle rail.

9



Add the gang board supports in front of the second smallest timber head. It should go up between the two gratings. Ensure the marines walk is installed level.



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