

WILHELMSHAVEN PAPER MODELS

NUMBER ONE IN CARDBOARD-MODELING

H.M.S Orkney

British Patrol Boat



History

The first units of the Island Class Offshore Patrol Vessels were commissioned in 1978. The main role of these combatants is to patrolling the UK's territorial waters on the look-out for illegal fishing. They are also responsible for the protection of the oil and gas installations. The party of Royal Marines can be embarked if such need arises.

In time of conflict they would be used to provide defense of the ports and anchorages, and support of MCMVs (Mine Counter Measures Vessel) and coastal convoys.

Island - Class Vessels:

P277	Anglesey
P278	Alderney
P297	Guernsey
P298	Shetland
P299	Orkney
P300	Lindsifarne

Technical Data

Displacement: 998 tons
Length: 59.5m
Beam: 10.97m
Speed: 16.5 knots
Armament: 1x40mm AA BOFORS later up-
graded to 1x30mm DES/Oerlikon gun
Range: 7000 miles at 12kts
Complement: 36 plus Royal Marines

Building Instructions

General Information.

When assembling a paper model, one of the major requirements is a correct type of glue you are using. And basically you will be needing two types of it. One for the small parts assembly, where only a minimal amount of adhesive is being applied. Here you can use a typical white glue which is readily available in the store near you.

For any larger joining surfaces, doubling parts included, you should use a non water based adhesive like the UHU All Purpose Glue. Any time you working on the hull skin, with ship decks or attaching any major superstructure to the deck, always use this type of glue(non water based). Otherwise you might very easily run into a trouble waters, when your paper parts start to sag and wrinkle due to the water contents of your adhesive.

One more thing. Any time you're beefing up your parts, it is a good idea to let it stay under heavy book for about 24 hours and let the glue and the paper to bond, before cutting.

These two tips have been intended as a basic advice for the less experienced paper ship builders, so all you veterans, thank you for your patients.

Segment A. Hull

Step 1. Hull Frame

Parts No. 1, 2, 3, 4-4a, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14-14a,b,c, 15-15a,b,c,d,e,f,g,h, 16-16a, 17-17a. See Fig. 1, 2, 3, 4.

Parts 15b, deck illumination lights, are optional but if you decide to install them, round them into a half circle as the diagrams show. They are some how over scaled in order to ease their assembly. Be very careful when installing focsle deck "16" and better test its alignment three times before cementing. This will influence decisively correctness of the entire hull later on.

Step 2. Hull Skin

Parts No. 18-18a,b,c,d,e, 19-19a,b,c,d,e, 20, 21. See Fig. 5, 7, 9, 10.

You should cut out all eight spaces on each side of the hull skin "18" and "19" after they have been doubled, but it is not obligatory. Well, with the exception for the hawse "20" and "21" cavities of course. But if you don't your model will loose a lot of its realism.

Braces 18b, c, and all the rest between them should be cut out one at the time and then immediately fixed into a position. It is a good idea to proceed from both ends, bow "18c" and stern "18b". One more thing. When you start working on this step keep going all the way up to the step 3. If you give

yourself a brake for a few days after attaching hull skins but before adding braces, bulwarks might become deformed due to uneven forces acting onto them. It can be hard to fix it later on.

Step 3. Deck Fittings

Parts No. 22, 23, 24, 25, 26, 27, 28-28a, 29-29a,b, 30-30a,b (optional 30aa), 31-31a,b (optional 31aa). See Fig. 6, 8, 9.

If making bollards is a chore to you, go ahead, replace them with the simplify versions 30aa and 31aa. Also, instead of making a sandwich from parts 29, 29a and 29b with 29b on the top, you can glue only part 29a to the focsle.

Segment B. Main Superstructure

Step 4. Main Superstructure Walls

Parts No. 32, 33-33a,b,c, 34, 35, 36-36a,b. See Fig. 11, 12, 13.

It might be easier to you, if you try to attach parts 33a, 33b and 36a to the main body 33 before joining the main walls " 33 " to the deck. The tiny 33c can wait until the navigational bridge is attached in step 6.

Step 5. Rear Lower Deck

Parts No. 37-37a, 38-38a,b,c,d,e. See Fig. 14, 15.

Just like in the previous step, if you want to super detail part 38, do it before attaching it to the rest of the model.

Step 6. Navigational Bridge

Parts No. 39-39a,b,c,d,e,f,g,h,i,j,k, (39aa optional), 40-40a,b,c,d, 41-41a,b,c,d, 42. See Fig. 16, 17, 18.

Attention, do not double part 39aa at this moment. Read on. Before you attempt to bond part 39 to the rest of the model you need to determine if it is evenly position over the rib structure and deckhouse walls. Try a couple of dry fits. If you noticed that it isn't and the ribs actually are too low, you should use part 39aa. Perhaps a single layer of 39aa is not enough and you need to double it. Test your fit before committing yourself.

If you've been holding up with 33c now you can glue them to the main structure body. By the way, in the case you color the edges of the cut out part with hobby paints (and you should), handling such a small items can be a problem. A simple solution in this case would be to cut off paper from the three sides, leaving the fourth one still attached to the larger chunk of scrap paper. That's the one with which you later join it to the deckhouse wall 33. Now you are ready for some painting.

Step 7. Front Wall & Gun Platform

Parts No. 43-43a,b,c,d, 44-44a,b, 45-45a,b, 46, 47-47a,b, 48-48a, 49-49a, 50 51-51a,b,c, 52-52a,b,c,d,e,f, 53-53a,b,c,d, 54-54a, 55. See Fig. 18, 19, 20, 21, 22.

Do not forget to cut out a slot in part 43 as your first task. The pole, parts 53b and two 53c should be done like a sandwich with 53b in the middle.

Step 8. Main Deckhouse Fittings

Parts No. 56-56a, 56bb, 57-57a, 57bb, 58-58a,b,c,d,e,f, 59-59a,b, 60-60a, 61, 62, 63, 64, 65-65a, 66-66a,b, 67. See Fig. 22, 23

If assembling inclined ladders with the individual steps it seems to you like an overboard, replace them with 56bb and 57bb.

Segment C. Miscellaneous Fittings

Step 9. Main Deck Fittings

Parts No. 68-68a,b,c, 69-69a,b,c,d,e, 70-70a, 71-71a, 72-72a,b,c,d,e,f, 73-73a,b,c,d,e,f, 74-74a, 75-75a,b, 76-76a, 76aa. See Fig. 24, 25, 26, 27, 28, 29, 30, 36.

Please note, you should cut out a slot in parts 73b in which, later on you will insert parts 73c. The comment from step 8 in regard to the inclined ladder applies here too. Parts 76.

Step 10. Focsls Deck Fittings

Parts No. 77-77a,b,c, 78-78a,b, 79-79a, 80, 81-81a,b, 82-82a, 83-83a,b,c,d,e,f,g,h,i, 84-84a,b. See Fig. 31, 32, 33, 34, 36.

Study carefully winch diagrams. Yes it is asymmetrical. There are three parts 83l because one is a spare one.

Step 11. 40mm AA Gun

Parts No. 85-85a,b, 86-86a,b,c,d,e,f,g,h,i,j,k,l,m. See Fig. 37, 38.

You can wait with attaching the gun to the gun platform “ 53 “ till later on. Just to be on the safe side.

Segment D. Wheelhouse, Smoke Stack & Mast

Step 12. Wheelhouse walls.

Parts No. 87-87a,b,c,d. See Fig. 39.

If your intention is to equip your ship with the wheelhouse interior details cut out all the windows in part 87 now.

Step 13. Wheelhouse Interior

Parts No. 88-88a,b,c,d, 89, 90-90a,b,c,d, 91, 92-92a, 93-93a. See Fig. 40, 41, 42, 43.

Look out it's number 13 !!!

Step 14. Top Deck & Smoke Stack

Parts No. 94-94a, 95-95a,b,c,d, 96-96a,b,c,d,e,f, 96ee, 97-97a,b,c. See Fig. 44, 45, 46.

If you decide to use 96ee instead of 96e parts 96c, 96d, 96f can be omitted. 96ee is there to simplify smoke stack design. Otherwise if you're going all the way, make sure that part 96c is rolled with the printed side turn inside.

Step 15. Top Deck Fittings

Parts No. 98, 99-99a, 100-100a, 101-101a, 102-102a,b, 103-103a,b, 104, 105, 106, 107, 108-108a,b, 109-109a,b,c, 110-110a,b,c,d,e,f, 111-111a,b, 112, 113-113a,b, 114-114a,b,c,d, 115-115a,b,c,d,e,f,g,h. See Fig. 35, 36, 47, 48, 49, 50, 51.

Both parts 104 after doubling should be glued together.

Step 16. Mast

Parts No. 116-116a,b,c,d,e, 116aa, 117, 118, 119, 120, 121, 122-122a,b,c,d, 123-123a,b, 124, 125, 126-126a, 127-127a, 128-128a, 129.

See Fig. 52, 53, 54. Also Fig. A, B, C, D, E.

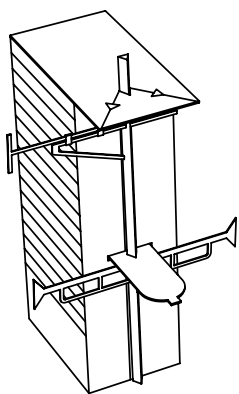
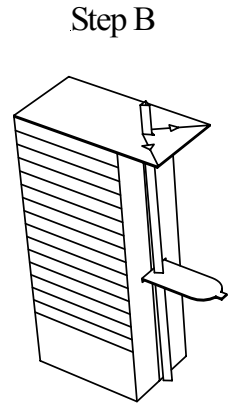
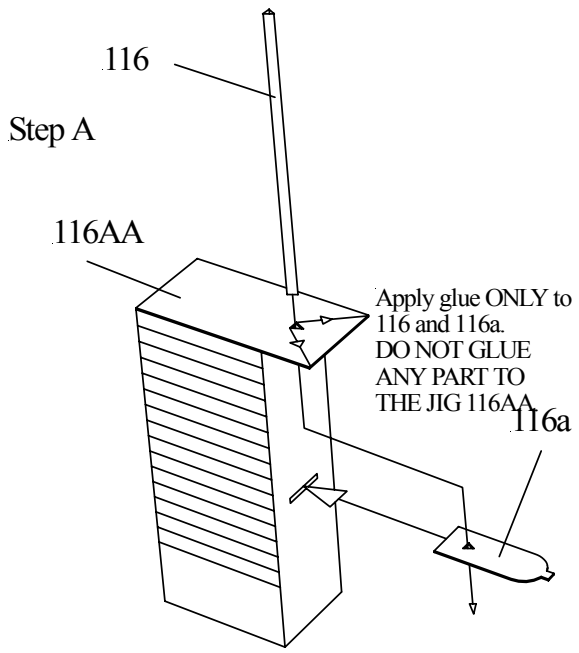
Part 166aa is a jig and not part of the mast. It's there only to help you assemble it. Please follow the diagrams A, B, C, D and E if you want to use it. The horizontal lines marked on the jig 166aa are there to help you align horizontally added details. When you done, carefully cut the top of the jig along the arrow marked lines. This will allow you to remove partially assembled mast from the jig, also destroying the jig in the process, but who cares, you won't need it any more. You get better mast if you insert a thin wire inside it with a few millimeters protruding at the bottom. Now you are ready to attach more of the mast details except for the 116c and 129. If you used wire with 116, punch a little hole in the deck 94 and insert your mast wire into it. Now you ready to finish it with parts 116c and 129.

Step 17. Antennas & Jackstuffs

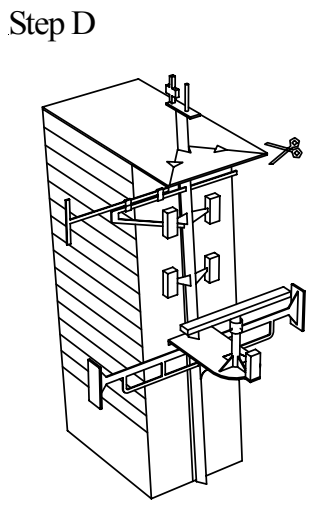
Parts No. 130-130a, 131-131a, 132, 133-133a, 134-134a, 135-135a, 136. See Fig. 55.

For the antennas use wires (ca. .010”). For the rigging you can use a variety of materials. Easy way to do it is to use brass wire of .006” diameter.

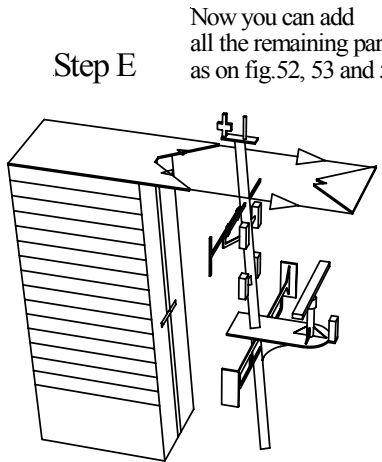
Model comes without the anchor chains. Paper does not allow realistic representation for it. You should use chains available in railway hobby supply stores or photo-etched sets. See fig 55 for the reference.



Slowly add more mast elements. Again, never glue them to 116AA. Use printed lines on the jig to get new parts horizontal.



At this stage remove mast from the jig by cutting off along arrow lines.



Now you can add all the remaining parts as on fig.52, 53 and 54.