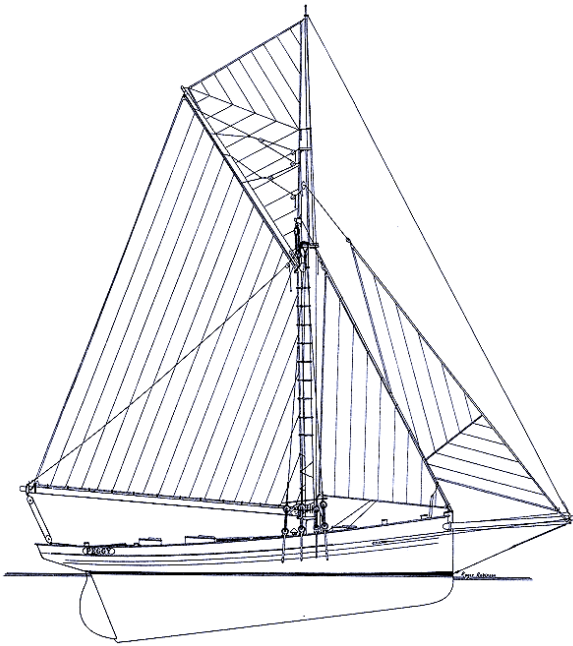


Bristol Channel Pilot Cutter Replica Design Specifications - Summary



4. Larch planking all fixed with bronze screws
5. Frames sawn oak, fixed with copper rivets and bolted using 3/4" Aluminium bronze bolts
6. Planking: Caulked with cotton and payed with white lead primed and finished with three coats of under coat and two coats of top coat.
7. Hull inside to be primed, with three layers of under coat and two of topcoat.
8. Lead and concrete ballast to be fitted, to the point that the vessel sits and sails correctly.
9. Structural bulkheads in 2 x 3/4" marine plywood
10. Mast step to be fitted and made from oak
11. Engine beds to be fitted made from oak
12. Oak rudder to be fitted with carved wooden tiller.
13. Engine installation: 75 HP Catapillar PRM Gearbox 2:1 with Vetus ancillaries. plus propeller.
14. Engine beds to be fitted made from oak / opepe
15. Deck: 2 layers of 1/2" marine plywood, sheathed with glass epoxy and grooved underneath to give the appearance that the deck is traditionally planked. Topside of deck finished in teak 12mm x 60mm planked and caulked with sikaflex. Detail to be in iroko, i.e.: king plank and cover boards. Deck fittings all in Iroko and finished in oil.
16. Bulwarks to be 1"iroko planking, with stanchions and knighheads in oak and varnished to a finish.

1 General description and intent

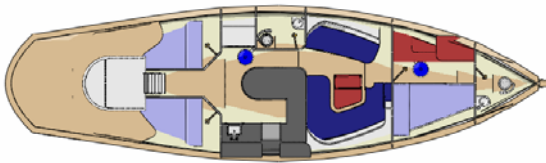
A summary of a build specification for an exact replica of a Bristol Channel Pilot Cutter based the lines of 'Peggy', built by the Rowles in 1904.

Principal dimensions

Length Overall	13.72 m	45' 0" ft
Length Waterline	12.19 m	40' 0" ft
Beam (max)	4.11 m	13' 6" ft
Design Draft	2.29 m	7' 6" ft
Displacement	22 tonnes	

General arrangement

As outlined in the general arrangement drawings.



Accommodation

A master fore cabin, twin berth with en-suit, saloon, galley, navigation station, midship head and 2 x quarterberth with doubles, all with plenty of storage.

Construction

All wood Construction with high quality wood materials.

1. Centreline Timbers in opepe and oak all fixed with aluminium bronze 7/8" bolts
2. Steel keel and stem band fixed with copper rivets
3. Whales in opepe fixed with bronze screws

2 Machinery and systems

Main engines: 75 HP Catapillar PRM Gearbox 2:1 with Vetus ancillaries, including a standard 2 or 3 blade propeller.

Tanks: Two 150 litre fuel tanks in stainless steel and two 300-litre capacity water tanks in polyethaline.

Fuel system: Two fuel tanks with their own filler and supply line. Emergency balance pipe will be fitted.

Fresh Water System: Will be designed to the customer's requirements.

WC system: There will be a two heads, one at midships and the second forward en-suit to the fore cabin.

3 Electrical

12-volt system with batteries arranged for engine start and domestic supply to customer's requirements.

Navigation lights: To comply with the appropriate International Collision regulations.

Domestic lighting: Provided throughout the vessel.

4 Rig

Rig Mast type' all Nobel spars with galvanized fittings.

Sails (5KB terelean),

Blocks (supply traditional rigging)

Running rigging (Navy flex)

Reefing system (appeldore)

Standing Rigging (steel wire, dead eyes elm synthetic rope to look old)