Introduction **Chapter 1 - History** World Events **Frigate Design** Naiad **Chapter 2 - Modelling Naiad Modelling Process** The Naiad Model **Modelling Decisions and Goals Quality Goals Micro Processes Macro Processes** Chapter 3 - Drawings Overview Sources of Information The Original Drafts **Other Sources Computer Aided Drafting** The Cad Model Drawings **Chapter 4 - Preparing For Construction** Safety First Workspace **Tools and Devices** The Model shipway The "Gantry" Other Devices Rough Material Sizing. Finishing Chapter 5 - The Keel - Basic Joinery **Chisels/Files** Keel Fabrication - making the joints Wood Glue, Dark Joints **Keel Boxing** False Keel/Tapering **Bolts and Nails Rising wood** Keel Rabbet **Chapter 6 - The Stem Structure Patterns and Templates** Making theStem Boxing on the Stem Shaping the Stem Assembly **Chapter 7 - The Bollard Timbers** Making the Bollards Assembly Chapter 8 - Knee of the Head and Stem Assembly Making Knee of the Head Fitting to the Stem **Keel Mounting Bolts** Assembly Stem Rabbet Tapering the Knee of the Head Installing the Knee **Chapter 9 - Stern Post and Deadwood** Making the post and deadwood Assembly

Chapter 10 - Hawse Timbers **Alignment Templates Under Timbers** Making/Fitting Hawse Timbers Long Under Timbers **First Cant Frame Fairing Hawse Timbers** Chapter 11 - Stern Transoms **Process Development The Improved Process** Final Assembly Chapter 12 - Hull Framing **Overview** Frame Lofting Frame Assembly Fixture Framing Materials **Chapter 13 - Making Cant Frames Process Description** Chapter 14 - Erecting Cant Frames **Cant Framing Anatomy Cant Frame Erection Process** Chapter 15 - Making Square Frames **Process Description Assembling Main Frame Bends Curved Toptimbers Chapter 16 - Erecting Square Frames** Alignment Process Square Frame Installation **Chapter 17- Lower Hull Finishing Temporay Topside Ribbands** Fairing the Hull **Bolts/Treenails** Lower Hull Ribbands/Nails Finishing **Chapter 18 - Lower Hull Metalwork Structural Plates** Copper/Liver of Sulfur Silver Soldering Gudgeons/Copper Nails Chapter 19 - Keelson and Internal Planking Keelson Planking the Lower Hull **Hooks and Crutches Chapter 20 - Stern Timbers** Making Counter Timbers/Assemblies **Alignment Fixture** Wing Transom Dovetails Installing Counter Timbers Chapter 21 - Framing the Gun Ports Lower and Upper Sills Glossary Appendix I - CAD Drafting and Lofting **Appendix II - Tools Making Chisels Making Clamps** Index Full Size Drawings (6), Pattern/Details CD

Copyright 2013 Edward J Tosti