

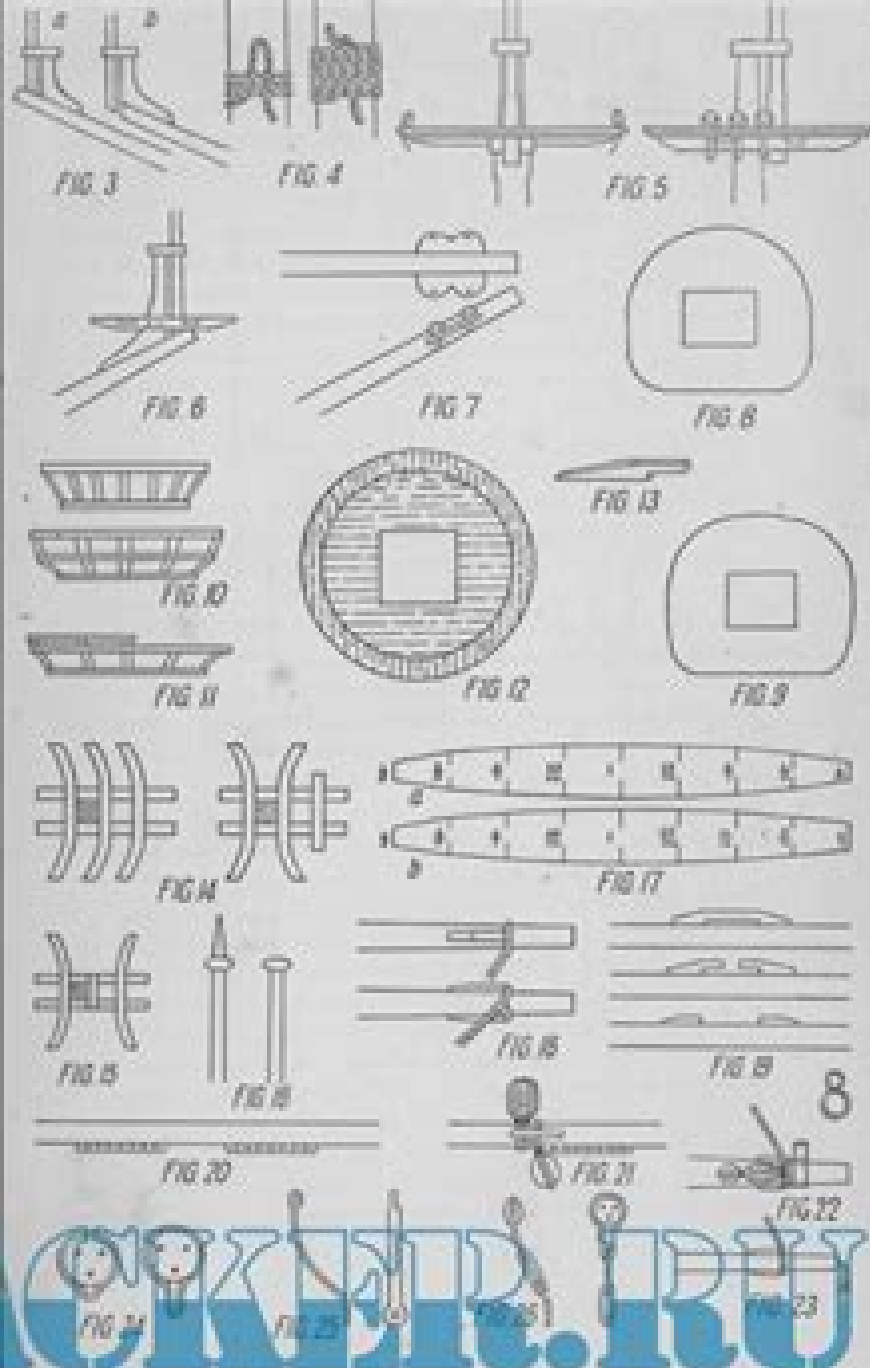
'Running Rigging', and at the moment it will be enough to mention that in 1655 some of the larger ships had jibs only and that in 1675 Keltridge makes no mention of ties and halliards.

The mizen-mast was in some ways more like a topmast than one of the other lower masts. It never had bounds in its cheeks, even if it had cheeks worth mentioning at all. Of course, it must have had some sort of shoulder to carry the trestle-reefs, but in the days of very small mizen topmasts these trestle-trees would not have needed any very elaborate support. What the mizen did have in the early part of the 17th century was a single shroud in the mast itself just below the trestle-trees. The tie went through this from aft forward with a halliard on the fore end. There was a single jib also, at least as early as 1625, and this jib, like those on the fore and main, gradually superseded the tie and halliard. Probably the change began about 1620 and was complete before 1670. I think it would be quite reasonable to omit the shroud in the mizen-mast in any ship after 1655, though there must have been survivals of the older method of lashing the mizen yard for another ten years or more.

Little need be said about the bowsprit at this stage. The only question is whether its end should be cut off square or bevelled so as to be at right angles to the waterline. This depends on how far out the spritsail topmast is to be stepped. If it is to stand with its heel on the bowsprit (Fig. 3a), there is no need to cut the bowsprit at an angle; but if it is to stand clear of the bowsprit with its supporting knee flush with the bowsprit end, that end should then be cut vertically (Fig. 3b).

Generally speaking, English ships up to about 1670 or 1675 seem to have had their spritsail topmasts on the bowsprit; after that, the larger classes carried them farther forward with their heels beyond the bowsprit end. There is very little certainty in the matter and it would be hard to prove either arrangement wrong in any particular case, but it will probably be best to step the topmast on the bowsprit in all ships up to 1670 and to keep it there till 1700 or later in 2-deckers or smaller ships.

The three lower masts have to have their heads cut to take the tops. This involves making a square top a trifle smaller than the



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L Reisser



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Table of Contents Seventeenth Century Rigging A Handbook For Model Makers

1. Understanding the eBook Seventeenth Century Rigging A Handbook For Model Makers
 - The Rise of Digital Reading Seventeenth Century Rigging A Handbook For Model Makers
 - Advantages of eBooks Over Traditional Books
2. Identifying Seventeenth Century Rigging A Handbook For Model Makers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Seventeenth Century Rigging A Handbook For Model Makers
 - User-Friendly Interface

4. Exploring eBook Recommendations from Seventeenth Century Rigging A Handbook For Model Makers
 - Personalized Recommendations
 - Seventeenth Century Rigging A Handbook For Model Makers User Reviews and Ratings
 - Seventeenth Century Rigging A Handbook For Model Makers and Bestseller Lists
5. Accessing Seventeenth Century Rigging A Handbook For Model Makers Free and Paid eBooks
 - Seventeenth Century Rigging A Handbook For Model Makers Public Domain eBooks
 - Seventeenth Century Rigging A Handbook For Model Makers eBook Subscription Services
 - Seventeenth Century Rigging A Handbook For Model Makers Budget-Friendly Options
6. Navigating Seventeenth Century Rigging A Handbook For Model Makers eBook Formats
 - ePub, PDF, MOBI, and More
 - Seventeenth Century Rigging A Handbook For Model Makers Compatibility with Devices
 - Seventeenth Century Rigging A Handbook For Model Makers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Seventeenth Century Rigging A Handbook For Model Makers
 - Highlighting and Note-Taking Seventeenth Century Rigging A Handbook For Model Makers
 - Interactive Elements Seventeenth Century Rigging A Handbook For Model Makers
8. Staying Engaged with Seventeenth Century Rigging A Handbook For Model Makers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Seventeenth Century Rigging A Handbook For Model Makers
9. Balancing eBooks and Physical Books Seventeenth Century Rigging A Handbook For Model Makers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Seventeenth Century Rigging A Handbook For Model Makers
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Seventeenth Century Rigging A Handbook For Model Makers
 - Setting Reading Goals Seventeenth Century Rigging A Handbook For Model Makers
 - Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Seventeenth Century Rigging A Handbook For Model Makers
 - Fact-Checking eBook Content of Seventeenth Century Rigging A Handbook For Model Makers
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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