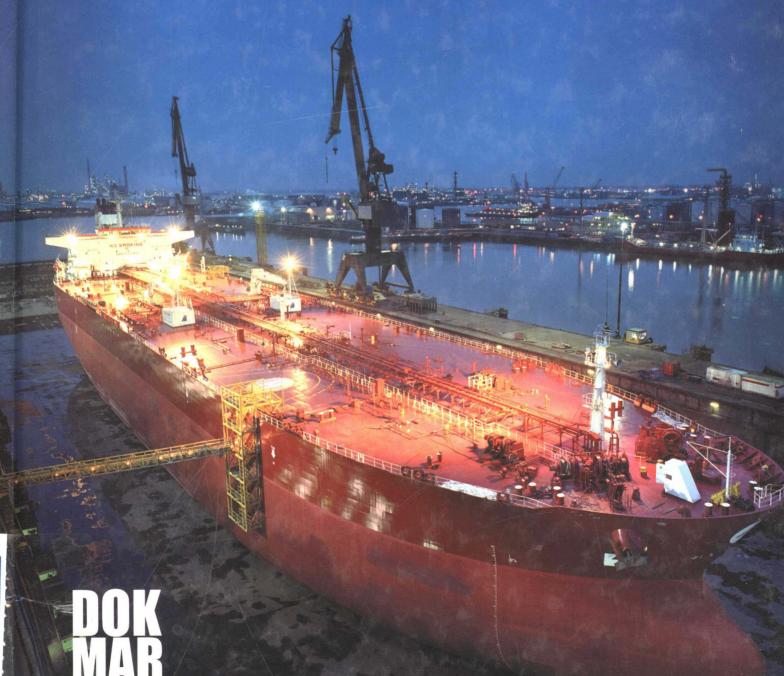
DOKMAR MARITIME PUBLISHERS B.V.

SHIP KNOWLEDGE

SHIP DESIGN, CONSTRUCTION AND OPERATION KLAAS VAN DOKKUM



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SHIP DESIGN, CONSTRUCTION AND OPERATION

6TH EDITION

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I stand in great debt to the following persons for their invaluable cooperation in realizing this sixth edition:

- Mr J.H. ten Katen, retired ship repairer and ex Lloyd's Surveyor, for his rich experience in the shipping industry and his textual contributions in plain, simple wording. He expertly provided corrections and added much supplementary material, as well.
- Professor Thomas Lamb (University of Michigan, USA) submitted the contents of the first edition and the concept of the 2nd one in scrupulous detail.
 He, also, possesses the talent of putting his expert knowledge in the field of shipbuilding in plain terms, greatly contributing to the readability of the work.
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	Guus van der Bles	Naval Architect
Chapter 6 part 7	Hans ten Katen	Naval Architect
Chapter 11 part 1 and 2	Hans ten Katen	Naval Architect
Chapter 13	René Borstlap	Electrical Engineer
Chapter 16 part 4	Herbert Koelman	Naval Architect

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- Ubbo van Sijtsema, The Netherlands

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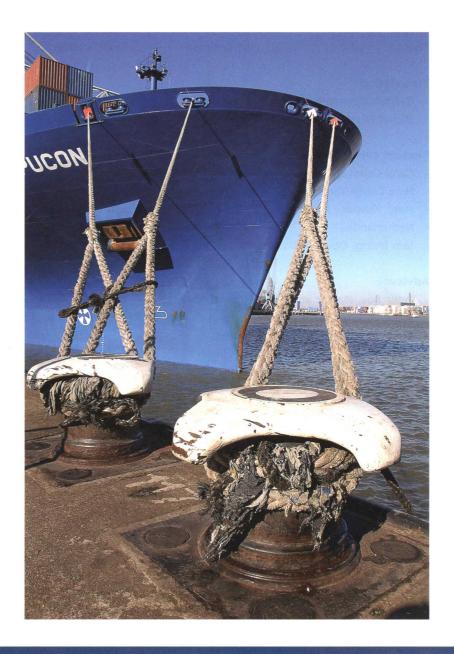


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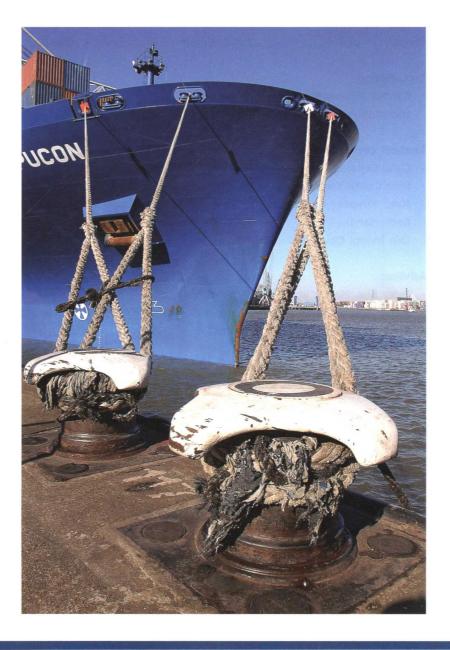


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SHIPWISE

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1 Introduction

This chapter shows some isometric views of ships. All visible parts and spaces are numbered and named. This is meant as an introduction to different types of ships and can be used as a reference for the following chapters.

2 Multi-purpose ship

- 1. Rudder
- 2. Propeller
- Main engine with gearbox and shaft generator
- 4. CO₂ bottles in CO₂ room
- 5. Man overboard boat (MOB)
- 6. Free fall lifeboat
- 7. Crane for MOB, lifeboat, life raft and provisions.
- 8. Funnel with all exhaust pipes
- Rear mast with navigation lights
- 10. Mast table with radar scanners
- 11. Top deck with magnetic compass and search light
- 12. Accommodation
- 13. Hatch stacking crane
- 14. Heavy fuel oil tank
- 15. Bulk cargo
- 16. Vertical bulkhead or pontoon
- 17. Heavy cargo, steel coils
- 18. Project cargo
- 19. Horizontal decks or hatch covers

- 20. General cargo, rolls of paper
- 21. Sheer strake
- 22. Hold fan exhausts
- 23. Fixed bulkhead
- 24. Container pedestal
- 25. Tank top, max. load 15 t/m²
- 26. Containers, 1 bay, 5 rows, 3 tiers
- 27. Vertical bulkhead or pontoon
- 28. Hatch coaming
- 29. Wing tank (ballast)
- 30. Bulk cargo
- 31. Gangway
- 32. Stacked hatches
- 33. Foremast with forward steaming light
- 34. Breakwater
- 35. Anchor windlass
- 36. Collision bulkhead
- 37. Deep tank
- 38. Bow thruster in tube
- 39. Bulbous bow and forepeak tank
- 40. Port side
- 41. Starboard side

