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Preface

Following the successful introduction of "Scheepskennis", a Dutch-language book on ship's knowledge, very soon requests were made for an English version. These resulted in the publication of the English-language book on ships and shipping matters with the title "Ship's Knowledge". In preparing this book any shortcomings of the former publication were remedied and quite some fresh (relevant) subjects were added. A new layout was also decided upon.

In a very clear and yet detailed way the various subjects pertaining to modern shipbuilding and seamenanship as well as to present-day shipping modes and the offshore industry are dealt with in this book. An attempt is made to give as complete an overview of ships, pertinent regulations, systems, rules and regulations as possible. The book provides a rich source of maritime information meant for all persons with an interest in shipping. Especially for basic studies it is eminently suitable for maritime students and newcomers in the fleet. For those employed in shipbuilding, shipping and related fields the work is an efficient work of reference and a convenient manual. Realizing this book could not have been accomplished without the help and loyal support from the shipping track and industry themselves. Besides pertinent documentation they also supplied expert knowledge and commentary regarding contents and textual issues, for which I stand in great debt to them.

The author aims at forging a strong link between the contents of the book and the preferences and views of its readers and any reactions, recommendations, criticism on their behalf is highly welcome. On the website www.dokmar.com free downloads of questions pertaining to each chapter as well as a glossary of technical terms will be available. Translations of the glossary into more languages will be available presently.
1. Introduction
2. Multi-purpose ship
   "Capricorn"
3. Open container ship
   "Nedlloyd Europa"
4. Car & Passenger Ferry
   "Pride of Hull"
5. Chemical tanker and a product tanker
6. Anchor Handling Tug Supplier (AHTS)
7. Fielding vessel (Eurocutter)
   "ZS75"
1 Introduction

This chapter shows some 3-dimensional 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. It can also be used as an indication of the size of a compartment compared to the whole ship.

2 Multi-purpose ship “Capricorn”

1. Rudder
2. Propeller
3. Main engine with gearbox and shaft generator
4. CO₂ bottles in CO₂ room
5. Main overboard boat (MOB)
6. Free fall lifeboat
7. Crane for MOB, lifeboat, liferaft and provisions.
8. Funnel with all exhaust pipes
9. Rear mast with navigation lights
10. Cross trees with radarscanners
11. Topdeck with magnetic compass and search light
12. Accommodation
13. Hatch cradle
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 hatchcovers
20. General cargo, rolls of paper
21. Shear strake
22. Hold fan
23. Fixed bulkhead
24. Container pedestal
25. Tanktop, max. load 15 t/m²
26. Containers, 5 rows, 3 bays
27. Vertical bulkhead or pontoon
28. Hatch coaming
29. Wing tank (ballast)
30. Bulk cargo
31. Gangway
32. Stacked hatches
33. Top light, range light
34. Breakwater
35. Anchor winch
36. Collision bulkhead
37. Deep tank
38. Bow thruster in nozzle
39. Forepeak tank in bulbous stern
40. Port side
41. Starboard side