

*A Guide To*

# **WATERLINE MODEL SHIPS**

*in 1/1200 & 1/1250 scale*



**BY KELVIN HOLMES**

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How it all began

## CONTENTS

<b>FOREWORD</b>	<b>1</b>
<b>CHAPTER 1 INTRODUCTION</b>	<b>3</b>
<b>Aim and Acknowledgements</b>	<b>3</b>
The UK Scene	3
Overseas	5
Collecting	5
Sources of Information	5
Warship Camouflage	6
Lists of Manufacturers	6
<b>CHAPTER 2 UNITED KINGDOM MANUFACTURERS</b>	<b>9</b>
<b>ATLAS EDITIONS</b>	<b>9</b>
<b>BASSETT-LOWKE</b>	<b>9</b>
<b>BROADWATER</b>	<b>9</b>
<b>CAP AERO</b>	<b>10</b>
<b>CLYDESIDE</b>	<b>10</b>
<b>COASTLINES</b>	<b>11</b>
<b>CONNOLLY</b>	<b>11</b>
<b>CRUISE LINE MODELS</b>	<b>11</b>
<b>DEEP "C"/ATHELSTAN</b>	<b>11</b>
<b>ENSIGN</b>	<b>12</b>
<b>FERRY SMALL SHIPS</b>	<b>12</b>
<b>FIGUREHEAD</b>	<b>12</b>
<b>FLEETLINE</b>	<b>12</b>
<b>GORKY</b>	<b>13</b>
<b>GRAND FLEET MINIATURES</b>	<b>13</b>
<b>GWYLAN</b>	<b>14</b>
<b>HORNBY MINIC (ROVEX)</b>	<b>14</b>
<b>KS MODELSHIPS</b>	<b>14</b>
<b>LANGTON MINIATURES</b>	<b>15</b>
<b>LEICESTER MICROMODELS</b>	<b>15</b>
<b>LEN JORDAN MODELS</b>	<b>15</b>
<b>LIMITED EDITIONS</b>	<b>15</b>
<b>LLYN</b>	<b>16</b>
<b>LOFTLINES</b>	<b>16</b>
<b>MARINE ARTISTS MODELS</b>	<b>17</b>
<b>MB/HIGHWORTH MODELS</b>	<b>17</b>
<b>MOUNTFORD MODELS</b>	<b>17</b>
<b>NAVWAR</b>	<b>18</b>
<b>NELSON</b>	<b>19</b>
<b>NKC SHIPS</b>	<b>19</b>
<b>OCEANIC</b>	<b>19</b>
<b>PEDESTAL</b>	<b>20</b>
<b>PIER HEAD MODELS</b>	<b>20</b>
<b>SANTA ROSA SHIPS</b>	<b>20</b>
<b>SEA-VEE</b>	<b>22</b>
<b>SKYTREX/MERCATOR (TRITON 1250)</b>	<b>23</b>
Mercator (and Atlantic)	26
<b>SOLENT MODEL SHIPS</b>	<b>30</b>
<b>TRIANG</b>	<b>30</b>
<b>TRIANG MINIC SHIPS LIMITED</b>	<b>31</b>
<b>WASS-LINE</b>	<b>33</b>

WMS (Wirral Miniature Ships)	33
<b>CHAPTER 3 CONTINENTAL MANUFACTURERS</b>	<b>35</b>
Major Manufacturers	35
ALBATROS	35
ARGONAUT	35
RN Models in the Original Series	36
USN Models in the Original Series	37
ARGOS	37
CARAT & CSC	38
CM	39
DELPHIN	42
“G” (the models of Georg Grzybowski)	44
HAI	46
HANSA	48
KLABAUTERMANN	51
NAVIS/NEPTUN (and Copy)	52
NAVIS WARSHIPS	53
Austro-Hungarian Navy	53
Brazilian Navy	53
Royal Navy	53
French Navy	53
Italian Navy	54
Imperial Japanese Navy	54
Imperial German Navy (& Reichmarine)	54
Russian Navy	55
Swedish Navy	55
United States Navy	55
NEPTUN	55
German Navy (Kriegsmarine)	56
British Royal Navy	56
Imperial Japanese Navy	57
United States Navy	57
French, Italian and Soviet Navies	58
NN-CAD	58
OPTATUS	59
OSTROWSKI (aka Ocean Service Models)	60
RHENANIA	60
RISAWOLESKA	62
SEXTANT	62
TRIDENT ALPHA/TRIDENT	63
Trident	65
WIKING	66
Minor Manufacturers	69
Anker	69
Atlantis	70
Bille	70
Colonia	71
DeAgostini Kriegschiffe	71
Degen (Hein Muck)	72
Helvetia	73
HL	73
Holsatia	74
Hydra	75
K Modelle	75
Kyle	75
Lloyd (& Binnen-Lloyd)	76
Mike’s Modelle	76
Nautik Art	77

Nautilus	77
Noordzee	78
RG	78
Schlingelhof (HDS)	79
Star	79
Welfia	80
Westfalia	80
Other Continental Manufacturers	81
<b>CHAPTER 4 OTHER OVERSEAS MANUFACTURERS</b>	<b>89</b>
<b>INTRODUCTION</b>	<b>89</b>
<b>ARTENAUTICA (Italy)</b>	<b>89</b>
<b>ESKADER (Sweden)</b>	<b>89</b>
<b>GRIFO (Italy)</b>	<b>89</b>
<b>KIWI (New Zealand)</b>	<b>90</b>
<b>KONISHI (Japan)</b>	<b>90</b>
<b>MERCURY (Italy)</b>	<b>91</b>
<b>MINI SHIPS (Spain)</b>	<b>92</b>
<b>PILOT (Denmark)</b>	<b>92</b>
<b>USA MAKERS PAST &amp; PRESENT</b>	<b>92</b>
California Models	92
Dragon Wave Models	92
John Eagan Models	93
Great Lakes Models	93
Metal Miniatures	93
Midway Models	93
MZ Models	93
North Head Miniatures	94
Saratoga Model Shipyard	94
Shangri-La Ironworks	94
Scherbak	95
1200 Models (aka South Salem Copies)	95
Superior	96
1250 Models	96
USA Models	97
Youngerman Ship Models	98
<b>CHAPTER 5 PLASTIC KITS</b>	<b>99</b>
<b>INTRODUCTION</b>	<b>99</b>
<b>EAGLE</b>	<b>99</b>
<b>OTHER MAKES</b>	<b>101</b>
Pyro/Lifelike	101
Almark/Casadio/Revell	102
Airfix	103
Heller et al	104
Hobby Boss	105
F-Toys	105
<b>SCRATCH BUILDING</b>	<b>106</b>
<b>MODEL HARBOURS</b>	<b>106</b>
<b>USEFUL ADDRESSES</b>	<b>107</b>
<b>MODEL LISTINGS</b>	<b>109</b>
Len Jordan Models (to List 43 March 2010)	109
Triang	111
Albatros (British and Empire/Commonwealth Ships)	113
Trident Alpha (American Ships)	118



**A Model Harbour**



**Dealer's Table at a Waterline Ship Enthusiasts Swapmeet**

## FOREWORD

The first issue of this guide was compiled in 1990 and was based on a series of eight articles published in Marine Modelling magazine during 1989. In producing a booklet it was possible to include much additional detail and to provide listings for certain manufacturers whose ranges were out of production and whose models would therefore not be listed in dealers' catalogues. Issue 1 then contained listings for Eagle\*, Ensign, Hornby Minic/Rovex\*, Airfix\*, Casadio\*, Triang\*, Delphin, Hansa, Star and Wiking. Issue 2 (which appeared in 1996) repeated those asterisked and added full lists for Len Jordan Models, Pedestal, Fleetline and Nelson. With UK collectors in mind, all British models produced by a further eighteen manufacturers were listed in tables, most of which have been retained and updated for this issue.

Issue 3 appeared in 1999, followed five years later by Issue 4 which was available on CD only but added a digital photo library. Issue 5 in 2008/09 heralded the pdf download version with many new images. With all issues most entries are reviewed and of course new manufacturers added. It has been decided to retain previously mentioned manufacturers for the record, even if some are long out of production. Model lists for American ships are included for Hansa, Trident Alpha, Navis (capital ships only), Star and Wiking. Although several of these makes are out of production, models can still be found second-hand and in some cases the only source of a particular ship may be a discontinued range. Other American ship models in current/recent production are mentioned with the descriptions of the manufacturer concerned.

One of the most difficult tasks is determining what models have and have not been released, and which may have been deleted. Some are catalogued but never produced. To check for current availability the web sites mentioned below are especially useful. The most useful works of reference – model listings - must be Wiedling's Ship Model Registers (released models by country & era) and the Galerie Maritim 'Katalog' (all models by manufacturer) – more on these later. Also of great help as to what is currently available is Wiedling's 'Lotse' (Pilot) catalogue which is a free pdf.

Excellent sites for waterlines data include [www.collnav.de](http://www.collnav.de), [www.schiffmini.de](http://www.schiffmini.de) and [www.sammelhafen.com](http://www.sammelhafen.com), the latter a feast of listings & illustrations. Also recommended are [www.wiedling.de](http://www.wiedling.de) & [www.galerie-maritim.de](http://www.galerie-maritim.de) (mail order shops in Germany). Two UK based websites (both dealers) worth book-marking are [www.waterline-ships.co.uk](http://www.waterline-ships.co.uk) and [www.shipmodels.co.uk](http://www.shipmodels.co.uk) (the latter the home of 'Antics' who took over the popular Saxon Miniships dealership).

For a pleasant and informal exchange of information and views the place to 'visit' is John Mitchell's 'Dockside' at [www.members7.boardhost.com/Dockside](http://www.members7.boardhost.com/Dockside). Also you should keep an eye on Iain M<sup>c</sup>Geachy's interesting site at [www.shipmodelsblueyonder.co.uk](http://www.shipmodelsblueyonder.co.uk).

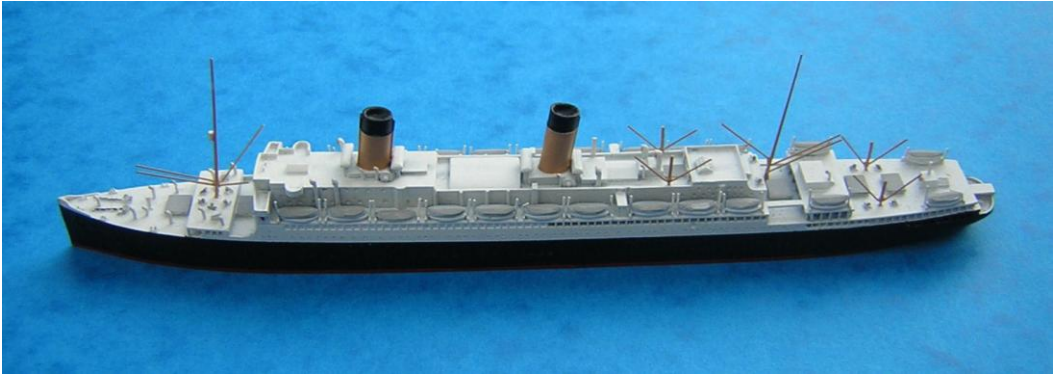


**CM KR Transvaal Castle (Union Castle Line, 1962)**

Courtesy of **MARINE MODELLING INTERNATIONAL** magazine ([www.marinemodelmagazine.com](http://www.marinemodelmagazine.com)) Issue 6 (January 2010) was the first for many years to find its way into print. With new models constantly appearing (and going out of production) it can only be a snapshot at the time of writing so please refer to the monthly **MMI-Waterlines** column for all the latest news and that extra level of detail re ships and models. Check also the free pdf downloads from **MMI** giving collections of previous articles on different themes. A few copies of an Issue 7 were printed in September 2013 and 8 in February 2014; since Issue 9 the Guide has been available for free download via Traplet. For many of the discontinued ranges the word 'do' should still be replaced by 'did' and one day this will be completely 'done'! Meanwhile thank you to readers of previous issues for your feedback and comments; more of the same is always welcome ([khwaterlines@btinternet.com](mailto:khwaterlines@btinternet.com)).

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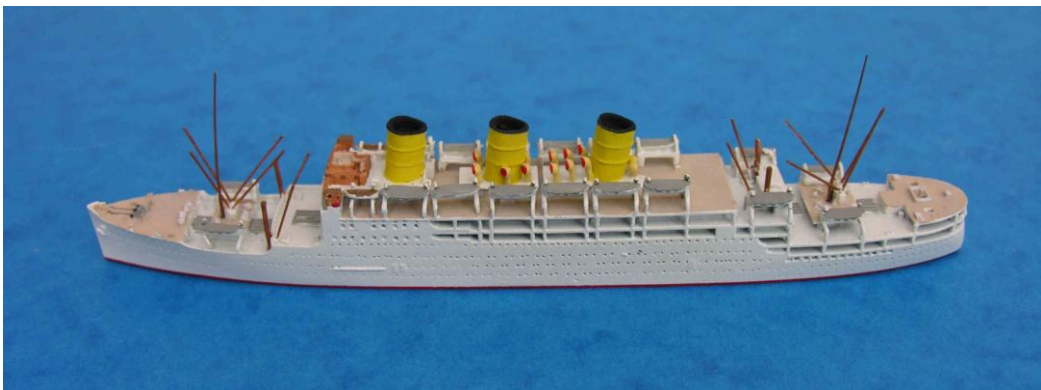
**Illustrations:** those with blue backgrounds as above are of models in the author's collection; a few others have been taken from the web and are used with thanks – acknowledgments are given and apologies to anyone inadvertently omitted. Front cover features Oriana (by Skytrex), Canberra (Colonia) & Victoria (Risawoleska 245b).



**G Homeric (White Star, 1920)**



**Neptun HMS Hermes**



**Albatros Strathnaver (P&O, 1931)**



**Argonaut HMS Queen Elizabeth**

## CHAPTER 1 INTRODUCTION

### AIM AND ACKNOWLEDGEMENTS

The aim of the guide is to provide an encyclopaedic reference of contemporary manufacturers and models (1/1200 and 1/1250), with an emphasis on British and, to a lesser extent, American ships. Every attempt has been made to ensure accuracy and completeness but as always comment on any errors or omissions would be more than welcome. Additional information, particularly on the continental manufacturers identified by name only, would be especially helpful. For manufacturers who are especially active with new releases (Argos, Neptun for example) this guide will always be out of date so please refer to the various websites mentioned throughout.

I would very much like to acknowledge the assistance provided by Martin Brown in researching and reviewing earlier issues of the guide, and for the entire Triang entry; also to Paul Jacobs for information on the American scene and Keith Tatton for introducing me to A.J. Holladay & Co. Ltd. May I also thank Nigel Robinson for his invaluable input re merchant ships and their owners. It is hoped that existing collectors will find this latest edition useful and potential newcomers will discover the tremendous scope of this absorbing hobby. Firstly a little background to the hobby, starting with the UK.

### The UK Scene

Perhaps the first small constant scale waterline ship models to be commercially manufactured in Great Britain were Dinky's 1/1800 series, with Treforest Mouldings, under the name **TREMO**, producing the first 1/1200s, both from the mid to late 1930s. Somewhat earlier **Fred T. Jane** had produced an extensive range of models to be used with his 'Kriegspiel' but these were apparently not to a constant scale although of course are now collectable in their own right. Returning to Tremo, however, the models were produced by a former employee of the German Wiking company and concentrated on contemporary warships, although production ceased when the unfortunate Herr 'Tremo' was interned for the duration in 1939. Between 1933 and about 1939 a firm called A.J. Holladay & Co. Ltd produced a range (known as **Ship Series D** and **E**) of 1/1200 wooden construction kits, with cast components, that were available as either kits or assembled/painted. The D series included 8 warships (cruisers and battleships) and 3 liners whilst the E series (available in finished form only) of accessories offered various submarines, destroyers, small merchants plus a lightship (the Nore) and a lighthouse. There may also have been a model of HMS Ark Royal and 1/1200 buildings.



**Tremo RN 'R' class battleship**

The 1940s and early 1950s was a barren time for UK collectors with little or nothing available commercially and models only being produced by specialist model builders such as **Bassett-Lowke** and in the form of official **Admiralty Recognition Models**. The latter were not available to the general public although by the 1960s many had found their way into private collections via government surplus sales. All these models were hand built in wood, using fine wire where appropriate. By the late 1950s the situation had improved and there were two main sources of models, both working in 1/1200. The **Triang** die-cast range, which was in production between 1959 and 1964/5, included 40 merchant ships, 37 RN warships plus harbour parts and accessories. Many of these models now command high prices if in mint and boxed condition. In parallel **Eagle** (or Eaglewall) produced a small range of plastic kits of World War 2 era RN and Kriegsmarine warships and auxiliaries, plus a single merchantman, 30 different moulds in total. Some identical models were sold under different names and in fact 42 kits were released altogether, some as small sets. These models were reasonably accurate and considering the technology of the time very acceptable, and also cheaply priced. They were firmly aimed at the 'schoolboy' end of the market and introduced many present day collectors, myself included, to the hobby.



**Triang HMS Blackpool**



**Naval Recognition USS North Carolina**

As Triang and Eagle ceased production in the mid 1960s, the American company **Pyro** released a few plastic kits of USN and IJN warships, but these were poor representations of the ships concerned and definitely intended for wargamers rather than collectors. In production in France between 1962 and 1970 was the only Dinky in 1/1200 – the liner **France**.



**Dinky 1/1200 France (Jeff Stevenson)**

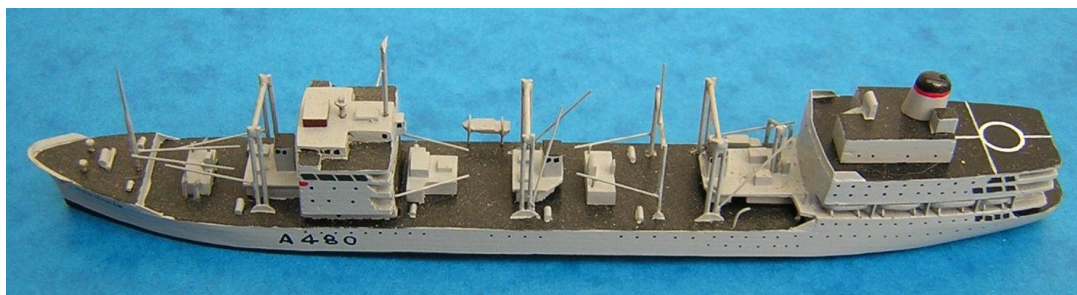
By the early 1970s, the various **Casadio** plastic kits had become available and some of these are still in production under the **Revell** name. Round about this time a shop in Scotland – Argyle Models – began to import what to us were new, and compared with what we were used to, rather expensive German made models by Hansa, Delphin and Wiking. Little was yet known of the various mail order shops in Germany, and the vast range of models available.



**Hansa HMS Blake**

During the early 1970s **Fleetline**, **Ensign** and **Oceanic** began to produce metal ship kits and Superior were being imported from the USA and there was even a resurgence of the plastic kit with half a dozen 1/1200 warship releases from **Airfix**. Of these Fleetline and Oceanic have fallen by the wayside although models by late 70s newcomer **Clydeside** are once more available. The 1980s saw the emergence of **Skytrex** with their Triton 1250 series which was supplemented by the company's purchase of the German Mercator range in 1993. After some financial problems the model ship element of the this firm has been re-emerged as **Triton 1250**. For many years the most prolific UK manufacturer was **Len Jordan**, with models also being offered assembled and painted from various sources. Sadly Len passed away in 2011 – I would like to pay tribute to his immense contribution to the hobby. Commercial model makers such as Ron Hughes (born 1928) and John Lindsay are probably no longer building but their models may still be found – they tend to be one-offs built to order. The most active current UK make must be **Mountford Models** with **Grand Fleet Miniatures** a welcome new addition.

As astonishingly the four old Pyros and Eagles HMSs King George V and Dorsetshire were re-issued by Round 2/Lindberg in the USA in 2015. Look out also for what may become an important element of the hobby - 3D printing - at [www.shapeways.com](http://www.shapeways.com).



**John Lindsay model of RFA Resource**

Collecting in the UK has been boosted by the regular swapmeets initiated in 1988 and in recent years organised by the 'Waterline Ship Enthusiasts' group (usually at Theale, Gosport & Wellow) and Tim Hudson (at Welton) with the largest meetings being those held at Theale near Reading three times a year.

### **Overseas**

Foreign manufacturers, primarily German and Austrian, working almost exclusively in 1/1250, do produce probably 95% of all models so they form a major part of the guide. It was in about 1935 that collecting first became popular in Germany with the products of a firm called **Wiking-Modellbau**. Since 1950 the number of manufacturers has boomed, and in Germany in particular there is a plethora of small firms, often one man and his casting machine and indeed new makes are appearing all the time. The guide naturally includes Wiking and attempts to provide a comprehensive listing of the others even if some of the smaller manufacturers are only given a single sentence, or if no information is available, just a mention by name. Where possible the emphasis is on models of British ships although this is not always easy as many of the manufacturers main, if only, interest is on ships of their own nationality. Information on the early Danish make known as Pilot can be found at [www.freewebs.com/mitchc3](http://www.freewebs.com/mitchc3) and [www.freewebs.com/mitchc4](http://www.freewebs.com/mitchc4). The latter includes a history of Pilot and covers the relationship with Wiking. Moving farther afield there are several other manufacturers based as far away as Japan and the USA who deserve an entry. Early production in the USA concentrated on warships and involved three main companies namely Comet and South Salem, based in New York State, and Framburg from Chicago. All three firms were active from about 1940, their main customer being the United States Navy. South Salem were taken over by Comet round about 1941/42, who then either themselves were taken over, or perhaps changed their name to Authenticast some time in the 1950s. The final twist is that Superior bought out Authenticast in the 1960s and continue to this day with their ranges of primarily wargaming models in 1/1200 and 1/2400. Framburg are reportedly still in business but no longer making ships; copies of both Framburg and early Comet models were available from Metal Miniatures (Chapter 4).

### **Collecting**

In categorising the continental manufacturers an attempt has been made to assess their relative importance. This begs one major question – how is that importance gauged?; certainly not on volume but rather on the quality, scope and availability. Price is another factor, perhaps less significant as almost without exception these are collectors models at collectors prices. Availability is a major factor; many of the smaller manufacturers are in fact hobbyists who select a particular ship because they want it in their own collection and then run off just a small number of models, perhaps for trade to friends in their immediate collecting circle or maybe to sell to finance the purchase of other commercial models. Even the larger manufacturers, especially those with huge catalogues, cannot hope to have all models available at all times. Often the catalogue is cycled through over a number of years, and even then many models may be omitted the second time round if it is thought that there will be little or no demand. For us collectors the guide-line should be, buy it when you see it! Apart from anything else the exchange rate is likely to be less favourable next time.

### **Sources of Information**

Chapter 3 is based on a number of primary sources some of which can also be consulted for further more detailed information. My initial source was Peter Jahnke's Ship Model Catalogue which listed hundreds of models, regardless of availability, by manufacturer; this is unfortunately no longer in print but in the electronic age was replaced by the free 'Katalog' download from [www.galerie-maritim.de](http://www.galerie-maritim.de) which is currently entitled 'Gesamtkatalog Schiffsmodelle' plus a date. The most useful current source in that it only includes models that have been issued is Peter Wiedling's Ship Model Register. This was first published in 1985 with an updated two part version appearing in 1993-4. It has since been regularly updated and the current version (in 2 parts – warships and merchant ships) is available in pdf form via [www.wiedling.de](http://www.wiedling.de). For printed information on models in current production the most comprehensive catalogue is that issued by L. Wiedling (from 2012 it too became a pdf, although in 2015 a printed version was produced). Another now out of date but printed source was the 'WEDE Handbook for Ship Models 1:1250' (1991) published in two parts, the first covering German ships with listings by type of 4500 models including buildings, harbour parts and accessories from 150 manufacturers and running to 170 pages. Part 2 covered non-German ships and exceeds 5000 models. The WEDE handbooks included only those models which had been released at the time. Another extremely useful source of information was the 'Hamburger Rundbrief' (HR), the specialist German language magazine for collectors. Research for this guide has included issues going back to 1983. Unfortunately HR was discontinued at the end of 2014 being replaced by the on-line Munich Rundbrief ([www.muenchner-rundbrief.xobor.de](http://www.muenchner-rundbrief.xobor.de)); long gone is the quarterly A5 magazine 'Waterline International' produced by the Rome-based 'Waterline Italia' (WI) organisation.

Few books specifically about small scale waterline ships have been written; the following being the best known examples:

- Waterline Ship Models, 1936 (?) Sampson Low, E.C. Talbot-Booth,
- Waterline Ship Models, 1972 Conway Maritime Press, John Bowen,
- Miniature Merchant Ships, 1997 Conway Maritime Press, John Bowen (ISBN 0 85177 659 0),
- More Miniature Merchant Ships, 2003 Chrysalis Press, John Bowen (1997 book also re-printed by Chrysalis),
- Warships in Miniature – Guide to Naval Waterline Ship Modelling in 1:1200, M. Ainsworth (ISBN 0 85177 799 6),
- Bassett-Lowke Waterline Ship Models, 1996 Golden Age Editions, Derek Head (ISBN 1 872727 72 7),
- Miniature Ship Models, 2008, Paul Jacobs (ISBN 978-1-84832-003-1),
- Classic Waterline Ship Models, 2003, Michele Morciano (self published)
- Conversion for War – Mercantiles to Warships in World War II, 2009, Robert Liu
- Eaglewall's Table Top Navy, 2011, Donald D. Hood (ISBN 978-0984126736) (downloadable Issue 2 in hand)
- - Die Welt der Schifffahrt en Miniature, 1992, ed. Horst Kronke (ISBN 3 7822 0564 2),
- Aus der Welt der Kleinen Schiffen, 1996, ed. Horst Kronke (ISBN 3 7822 0648 7).
- Wiking-Modelle, 1998, Peter Schoenfeldt, published by Koehlers,Hamburg.

The last three listed above are in the German language but contain many illustrations both in black & white and colour. For an excellent account of the early development of the waterline model up until the 1960s 'Classic Waterline Ship Models' by Michele Morciano is recommended – if it can be found. Although not about models, the 'Merchant Fleet' series by Duncan Hawes (later by Norman L. Middlemiss) and Cunard Portraits by J.H. Isherwood are packed full of 1/1200 profiles.

### Warship Camouflage

For those interested in warship camouflage, there are a number of books to look for:

- RN Warship Camouflage 1939 – 1945, Hodges, published by Almark in 1973,
- Kriegsmarine Camouflage (German edition), Jung, Abendroth & Kelling. 1976,
- The Painter's Guide to WW2 Naval Camouflage, Hreachmack, published by Clash of Arms in 1996,
- USN Camouflage of the WW2 Era, published by Floating Drydock in 1975,
- USN Camouflage of the WW2 Era – Fleet Carriers, published by Floating Drydock in 1976,
- USN Warship Camouflage 1939 – 1945, Ellis C published by Pique in 1975,
- Naval Camouflage 1914 – 1945, Williams, D (ISBN 1 86176 154 6), 2001,
- Camouflage Volumes 1 – 4: 'RN 1939-41', 'RN 1942', 'RN 1943-44' & 'RN Supplemental', Raven A, published by Warships Perspectives 2000-2003, available from Maritime Books ([www.navybooks.com](http://www.navybooks.com)).
- German Naval Camouflage 1939-45 Volumes 1 and 2, Asmussen and Leon, 2012 and 2104.
- British and Commonwealth Warship Camouflage of WW II: Vol I Destroyers, Frigates, Sloops, Escorts, Minesweepers, Submarines (2014) and Volume II: Battleships & Aircraft Carriers (2015) by Mal Wright



**Argonaut HMS Eagle**

### Lists of Manufacturers

The tables that follow gives lists of manufacturers, past and present, of metal and resin models. Headings are 'UK', 'Continental', 'Other Overseas' and 'Plastic Kits' with each given a separate chapter. 'Continental' has been further subdivided into 'Major', 'Minor' and 'Others' and in general this reflects volume of production & availability, and certainly not quality or importance to the hobby. Those annotated '◀' are understood to be in current production; '◀' indicates dealer stocks likely but range believed to be discontinued/not in current production. There is also a listing of name only of a further group of whom nothing is known apart from name. Very early makes such as **Tremo** are not discussed further having been covered in the introduction. Although produced abroad, **Triang Minic Ships Ltd** and **Atlas Editions** are covered in the UK section of the guide. Not included are modellers who build on commission – these are hardly manufacturers and I would have to feature myself!

UK: (Chapter 2)

Atlas Editions Bassett-Lowke Broadwater Cap Aero ◀ Clydeside ◀ Coastlines ◀ Connolly Cruise Line Models Deep "C"/Athelstan Ensign Ferry Small Ships ◀ Figurehead ◀ Fleetline Gorky	Grand Fleet Miniatures ◀ Gwylan Hornby Minic (aka Rovex) KS Modelships ◀ Langton Miniatures ◀ Leicester Micromodels ◀ Len Jordan (◀ via WMS) Limited Editions ◀ Llyn Loftlines ◀ Marine Artists MB / Highworth Models Mountford Models ◀ Navwar ◀	Nelson NKC Ships Oceanic Pedestal Pier Head Models Santa Rosa Sea Vee ◀ Skytrex Triton 1250/Mercator (◀) Solent Model Ships ◀ Triang (original) Triang Minic Ltd ◀ Wass Line Wirral MS/AH Models ◀
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CONTINENTAL (mainly German and Austrian): (Chapter 3)

<p><b>Major:</b> (volume producers)</p> <p>Albatros ◀ Argonaut Argos ◀ Carat/CSC ◀ CM/CM-KR/CM-P/CM-W ◀ Delphin Georg Grzybowski ('G' modelle) Hai ◀ Hansa Klabauterman ◀ Navis (&amp; Copy) ◀ Neptun ◀ NN-CAD ◀ Optatus ◀ Ostrowski (part of Modell Pool) Rhenania ◀ Risawoleska ◀ Sextant (part of Modell Pool) Trident Alpha ◀ Trident ◀ Wiking</p>	<p><b>Others:</b> (small ranges)</p> <p>Aegir Albert Aquarius Atlantis Alpha ◀ Baltica Berolina BESCH Biederkarken Binkowski BM BS B/V Collecta (inc. Sottpuster) Copy (new) ◀ Dedo DH DOESEMA EH Eneris Foerde Fuchs Galerie Maritim GEM Granat GS H2O H and B ◀ Hammonia Hermann ◀ Herpa ◀ HF Intug Iskra JB JK KM Kreis Laiva Kü-Mo ◀ LH Luna Maru Mare Nostrum ◀ MK Mowe</p>	<p>Nautik Navalis Moguntia Nordica Nord-Ostsee Old Salt Omega Padermodelle Pharos ◀ Phoenix Reisen ◀ Pontos Poseidon Quadrant RA Red Tape Remo ◀ RFR ◀ Rodkling ◀ Rostocker Schiffsminiaturen Sailing Maritime Schiff &amp; Schiene Seaborne Sedina ◀ Seestern Sirene Smaers Stauffenberg U9-Modelle UVM ◀ Vagel Grip ◀ Vindebona WDS (Welt der Schiffsminiaturen) ◀ Yorck X Modelle <b>Name only*:</b> Cruise Fleet Frisia 'Hard Ship' Kompass Otten Rudomski Rupp Santos Union Welco</p> <p><i>*due to the absence of further information these are not mentioned again</i></p>
<p><b>Minor:</b> (smaller ranges)</p> <p>Anker Atlantis (part of Modell Pool) Bille ◀ Colonia ◀ DeAgostini Kreigschiffe ◀ Degen / aka Hein Muck Helvetia HL Holsatia Hydra ◀ K Modelle Kyle Lloyd Mike's Modelle ◀ Nautik Art ◀ Nautilus Noordzee Schlingelhof (HDS) RG Star Welfia Westfalia</p>		

OTHER OVERSEAS: (Chapter 4)

<b>Around the World:</b> Artenautica (Italy) Eskader (Sweden) Grifo (Italy) Kiwi (New Zealand) Konishi (Japan) ◀ Mercury (Italy) Mini Ships (Spain) Pilot (Denmark)	<b>USA:</b> California Models ◀ Dragon Wave Models ◀ John Eagan ▶ Great Lakes Models Metal Miniatures Midway Models MZ Models ◀ North Head Miniatures	Sagatoga Model Shipyard ◀ Shangri-La Ironworks ◀ Scherbak ◀ South Salem copies Superior /Alnavco ◀ 1250 Models ◀ USA Models ▶ Youngerman Models ▶
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PLASTIC KITS : (Chapter 5)

Eaglewall Pyro/Lifelike (◀ via Round 2/Lindberg) Revell (Almark/Casadio) ◀ Airfix ◀ (2011) Heller (via Revell ◀) Bachmann Hobbyboss ◀ F-Toys ◀
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**Rhenania G Liz Carmania (Cunard, 1905)**

Happy Collecting



*Began collecting Eaglewall 1/1200 plastic kits in 1960 when aged 12 with friend Dave Willcocks; first time in glossy print was 1979/80 in Scale Models with articles giving conversions based on Airfix 1/1200s HMS Suffolk & Prinz Eugen; was in the very first Marine Modelling in October 1985 with 'Broadside' which in 1991 became 'Waterlines'. Now monthly, July 2014 featured my 200th article.*

*In October 1988, together with Martin Brown, Vic Harman and Roy 'resin' Measday organised the first waterlines swapmeet. Still collecting (of course) with warship models in the majority (about 500 from the era 1880 -1925, 1000 from 1925-45 & 1000 post-war) plus some 500 merchants).*

*I would like to thank Nigel Robinson for his input on scratch-building and all merchant shipping aspects; also Jeff Stevenson for his inspirational work often seen on 'Dockside' and for permission to reproduce various pictures in this Guide. Indeed the hobby has brought lifetime friendships some of whom I've mentioned but can I give a particular name-check to Martin Brown whose enthusiasm, knowledge & swapping skills have always been remarkable.*

## CHAPTER 2 UNITED KINGDOM MANUFACTURERS

This section of the guide covers UK manufacturers past and present in alphabetical order.

### ATLAS EDITIONS

Introduced in 2009, this was a series of twenty seven 1/1250 full hull models of 'legendary warships of WW2', construction being part metal and part plastic. Six more (+) were added in 2012-13. The full list (all extremely familiar names) is below.

HMS Hood	HMS Ramillies	HMS Exeter	USS Hornet	KM Lutzow
HMS Prince of Wales	HMS Barham	USS Missouri	KM Bismarck	KM Prinz Eugen
HMS King George V (+)	HMS Warspite	USS Massachusetts	KM Tirpitz	
HMS Duke of York	HMS Vanguard	USS Arizona	KM Scharnhorst	IJNS Yamato
HMS Anson (+)	HMS Repulse	USS Pennsylvania (+)	KM Gneisnau	IJNS Kirishima
HMS Rodney	HMS Renown (+)	USS Lexington	KM Graf Spee	
HMS Nelson (+)	HMS Ark Royal	USS Saratoga (+)	KM Scheer	RM Roma



**Atlas Editions HMS Vanguard (in Mountford floating drydock as AFD XI)**

Released in early 2015 but not available from Atlas UK (I asked!) was a full hulled Titanic.

### BASSETT-LOWKE

Bassett-Lowke was perhaps the first manufacturer of small constant scale waterline ship models, and although the models were commercially available, the main customers were the shipping companies whose vessels were represented. Nevertheless many private collections were launched using Bassett-Lowke, and today the models are extremely valuable, especially if in good condition. Production ran from the 1910s to the late 1940s and at its peak over 100 models, from 28 shipping lines, were available. Models were often updated in terms of colour scheme and appearance, in parallel with the actual ship, and some vessels were depicted in wartime grey.



**Bassett-Lowke German battleship Tirpitz**

Further information can be found in the 1997 book 'Bassett-Lowke Waterline Ship Models' by Derek Head. This must be the definitive guide to these models and in 160 pages describes and profusely illustrates (214 photos, many showing several ships, plus reproductions of catalogues etc.) the story of Bassett-Lowke and their models. In addition to an introduction, chapters are devoted to warships, merchant ships, the post 1945 period, 50 feet to the inch models (the remainder being 1/1200) plus a short description of the present day situation for waterline enthusiasts. Some information is also given on other manufacturers of recognition models which may help when such items turn up at swapmeets. A number of appendices give lists of models produced, including all known ships made to 1/1200 scale. The quality of production is excellent with the extensive use of colour photography particularly suited to the merchant ships.

### BROADWATER

Initial releases from 'Broadwater Models' were a hump-backed whale hotly pursued by a flotilla of RN submarines – SSBN HMS Vanguard, SSK HMS Upholder, various A class boats and the much earlier M1, M2, M3 and M3 as a minelayer. A huge number of models were catalogued for future release although none were released.



**Broadwater HMS/m Vanguard**

### **CAP AERO**

Rather than ships, CAP Aero produce an equally welcome series of 1/1200 aeroplanes. Although primarily intended for wargamers, these models are of great interest to us waterliners. Navies/periods covered are Japanese, American, British, Italian, German and Russian (all WW2), British 1945 – 1995, Russian 1974 to date and American 1964 to date. The models are sharply cast in white metal and most, including even the biplane types, appear to be in single pieces. See also the entry for ‘Figurehead’. In 2002 ownership of this range passed to Noble Miniatures. Current UK contact details are in see Annex A.

### **CLYDESIDE**

The Clydeside 1/1200 range over the years has concentrated on the various belligerent navies of WW2 plus, to a lesser extent, the modern RN and USN, and the British & German navies of WW1 era. In addition there is the ‘Clyde Coast’ series of merchantmen. In the past some of the WW2 ships were American Superior models produced under licence. The models are primarily intended for wargaming and are robustly cast in white metal. They are generally produced as one piece kits, requiring cleaning up and painting, although on the larger models gun turrets are normally cast separately. With more recent models, such as the Tribal and WW2 ‘war emergency’ destroyer classes from O to Z/CA, there has been a move towards multi-part kits. This approach facilitates the removal of flash, particularly around gun turrets, and also deck painting. Some of the earlier models are also being re-mastered and the new offerings are greatly improved.



**Clydeside Dutch cruiser De Ruyter**

Of ships not too easily acquired from other manufacturers, the Dutch cruisers De Ruyter and Java from the Battle of the Java Sea are worth seeking out, as are the Italian motoscafo armato silurante (MTB) and vedette antisommergibili (sub chaser), which are particularly fine little models. Similarly, from the Imperial Japanese Navy, the heavy 8” gunned cruisers Aoba and Kako are recommended.

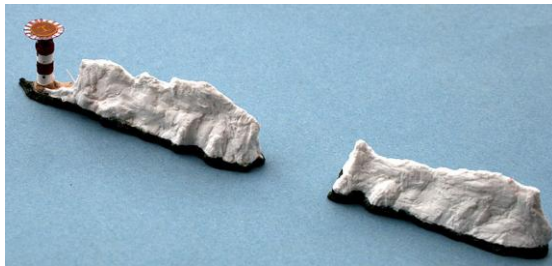


**Clydeside Japanese cruiser Aoba**

For WW1 Clydeside adopted a battle theme with the first issues in this era covering the various ships involved in the Battles of Coronel and the Falklands in 1914, designed as a wargaming set. Availability of Clydeside is somewhat intermittent at present, although the entire catalogue of some 140 models (Superiors excluded) is reportedly being slowly re-worked at an improved standard. Appearing in 1997 were a new and improved series of World War Two 1/1200 scale metal kits. Depicted at the time of the Battle of the River Plate the models are of the cruisers HMS Ajax, HMNZS Achilles, HMS Exeter, HMS Cumberland and the German pocket battleship Graf Spee. Each kit comprises some 30 parts and are very well detailed with nice touches such as the inclusion of ships’ aircraft which in the case of the County class cruiser may be shown in the hangar. Full assembly and painting instructions are provided. Released in 1999 were the Dutch destroyers Evertsen and Van Nes suggesting that those vessels which took part in the Battle of the Java Sea may be on their way; subsequent releases were eight different Fletcher class destroyers. 2007 brought the ‘C series’, even if it means all previous models have been discontinued for the moment. New releases include IJN minesweeper Wa 1 (circa 1940), Algerine Class minesweeper HMS Rattlesnake, Bathurst class minesweeper HMAS Bendigo & a 72’6” Vosper MTB. Top release in 2008 was the escort carrier HMS Audacity. Fortunately all the latest can be found at the website [www.clydeside-flotilla.com](http://www.clydeside-flotilla.com).

## COASTLINES

Coastlines are, as the name suggest, producers of models of coastal scenery typically where a lighthouse is involved such as Eddystone & the Needles (below). This has been expanded to include coastal vessels such as Admiralty 1915 H.S.Tug, Brading (Isle of Wight Ferry 1965), Calshot (1950, Southampton tender to the Ocean liners), Neptune (Red funnel steam tug 1950s livery) and Southsea (Isle of Wight Ferry 1950s). There are also some RNLI lifeboats for example 1947-65 Self righting Lifeboat, Liverpool 35'6" type, 1970's Solent type 1970s and last of all the 1894 Parsons steam pinnacle Turbinia.



**Coastlines Russian drydock PD-50 with Argos submarines and tug SB131 by Eneris**

## CONNOLLY

An extensive range of modern soviet warships, amphibious types and auxiliaries intended for the wargaming market and designed/priced accordingly; nearly 70 models catalogued, production ceased in 1986. Not worth looking for.

## CRUISE LINE MODELS

These were airfield buildings of limited use in harbour dioramas although the website promised, for 2010, models of full hull warships (for drydocks) & cruise liners. Unfortunately the ships never happened and are not likely; the website [www.cruiselinemodels.com](http://www.cruiselinemodels.com) no longer functions.

## DEEP "C"/ATHELSTAN

A range of British merchant ships made in resin including such models as the coastal tanker Shell Welder (1956), Coast Line's Pembroke Coast (1936), the oil rig support vessel Far Service from 1995 and the Empire Ken (1945). 'Athelstan' was a series of 'super-detailed' resin models from the same maker; first releases are: - Pacific Bridge, 1967 (AM 1), Bidston, 1933 (AM 2), Ocean Coast, 1935 AM 3), Tarawera (AM 4); this series seems to have been discontinued and AM 1 at least can be found in the main Deep "C" range.



**Deep "C" Pacific Bridge (Bibby, 1967)**

## ENSIGN

Ensign provide(d) several series of 1/1200 and 1/1250 scale models mainly aimed at wargamers & modellers and hence supplied as white metal kits. The largest series, known as 'White Ensign', covered almost without exception WW2 warships of all the belligerent nations, with some 60 models released. These included submarines, escorts, destroyers, cruisers and even a few aircraft carriers. 'Red Ensign' consisted of 25 WW2 era merchantmen and finally a lighthouse (Triang copy) on an island. Examples of the range are British Endurance (oiler), SS Avoceta (passenger/cargo), Temple Mead (cargo) and Japanese Kongo, Calcutta and Noto Maru. British ferry Isle of Guernsey, like some of the warships, was a Triang copy.



**HDS Ensign USS Little Rock**

Perhaps the best quality models sold by Ensign were those produced under licence from HDS, this make being more commonly known, on the continent at least, 'Schlingelhof'. About 45 HDS-Ensigns were released, just under half of which are modern warships – from the RN HMS Leander (gun version) and HMS/m Oberon; plus soviet and USN destroyers, frigates and submarines, French and West German submarines, soviet and West German FACs, a couple of Japanese Maritime Self Defence Force vessels and even a Nigerian Vosper Mk9 frigate. The largest vessels were the landing ship USS Suffolk County and the guided missile cruiser USS Little Rock; most popular soviet were probably the missile destroyers Kashin I and Kashin II. WW2 models included some Hansa standard 'Narvik' class destroyers, a few landing craft and submarines; American escort carrier and destroyer escorts, and the stars of the range IJN monster submarine I400, fleet submarine I16 and destroyers Akizuki and Kagero. These models were almost identical to their equivalents in the Japanese produced Konishi range (see separate entry) and one wonders if they were simply copies. Ensign also sold HDS 1/1250 aircraft, with a huge selection of over 200 types although as with the ships some the moulds did eventually lose their sharpness.

## FERRY SMALL SHIPS

New in 2012, this is a series of 1/1250 resin models of ferries available either unpainted or complete as illustrated. The range is expanding rapidly although each model is limited to a small production run.



**Ferry Small Ship Pride of Hull (courtesy FSS)**

## FIGUREHEAD

This is an impressive and extensive series of white metal kits mainly of small warships of WW2. At the time of writing over 130 models have been released including 28 British, 20 German, 9 Italian, 17 Japanese, 45 American plus 12 British merchant ships. Typical types covered are fleet & escort destroyers, corvettes, MTBs, MGBs, E-boats, PT boats, minesweepers and landing ships plus a solitary submarine – a German Type VIIC. An unusual offering is an Italian Caique sailing boat. The largest warships are three American escort carriers, USSs Bogue, Casablanca and Sangamon. Examples of the British merchant types are Ben Read (tanker 1923) & Broomfield (tramp steamer 1938 Zillah line). Finally and definitely worth a mention are HMS Campbeltown (lend-lease destroyer, built 1919 depicted 1941) and the same ship in 1942 during the St.Nazaire raid. In Figurehead we have a worthy successor to Fleetline and Ensign.

## FLEETLINE

In 1971 the Fleetline Model Company launched into 1/1200 waterline model ships with a 16 part kit of HMS Armada, a Battle class destroyer of the first group with a Mark VI director and quadruple torpedo tubes. This was followed by HMS Jutland of the second group with the US Mk 37 director and quintuple tubes. Such attention to detail has characterised the range through its metamorphosis from 'Fleetline' through 'Scaledown', 'House of Hobbies', '1/1200 Scale Ships' and finally to 'Seascale' as it was known until its final demise. The catalogue eventually stood at some 170 models, primarily from the WW2 and modern eras, and included ships, aircraft, vehicles and harbour accessories including a small floating

dry dock. All were cast in good quality white metal, requiring assembly and painting. The range included a variety of modern submarine models with fourteen different soviet types, including nuclear powered ballistic and cruise missile types (SSBN and SSGN), nuclear powered hunter killers (SSN), and various conventional diesel electric boats (SSK). These were complemented by two USN SSNs, the Sturgeon, lead vessel of a class of 37, and the one-off USS Tullibee; and from the RN HMSs Dreadnought, Swiftsure (SSNs), Resolution (SSBN) and SSKs of the Oberon and A class. Earlier versions of the Resolution model had the diving planes in the vertical as opposed to horizontal position, and these are now quite rare. The RN/RFA surface fleet is represented by HMS Invincible, the Type 42 destroyer HMS Sheffield and the LSL Sir Tristram, all as built. Other modern models were the fast training boat HMS Cutlass and a soviet Osa I missile boat, the latter being the vessel the Cutlass and her two sisters were designed to simulate for fleet training purposes. To complete the era, Seascale provided Lynx and Sea King helicopters, the Sea Harrier, two types of Hovercraft, the infamous Icelandic gunboat Aegir, and two merchant vessels, the ocean-going tug Lloydsman and the 1974 Brazilian chemical tanker Quitauna. The majority of WW2 models were RN vessels, mainly light forces.



**Fleetline HMS Roberts**

The largest ships were the light cruisers Ajax, Caradoc, Curacoa, Cairo and Coventry, and the escort carrier Pursuer. These ships were supported by the fast minelayer HMS Abdiel, plus various destroyers, frigates, corvettes, minesweepers, submarines and MTB/MGB, a total of 33 different types. The RN range was complemented by a small selection of amphibious and auxiliary vessels, and a very nice model of the monitor HMS Roberts. This kit also contained the extra parts needed to model her sister ship Abercrombie. The Axis navies of WW2 were less well represented. IJN vessels included the destroyer Asashio, three submarines, one of which was a full hull Kaiten, and a landing craft; from the Kriegsmarine there was a 'Narvik' class destroyer, an E-boat, a type D landing craft, and Type XB and VII U-boats; finally from Italy the seaplane carrier Giuseppe Miraglia and a Balilla class submarine. The largest navy in WW2, the USN, had minimal representation, namely two submarines, three MTBs, and EC2-S-C1, C2 and ET1-S-C3 Liberty ships. Of the latter, the Type C2 tank transport (FCA35B) seems to have been released in limited numbers. WW2 accessories included Wildcat, Corsair, Sunderland and Catalina aircraft and a number of different vehicles, mainly tanks and trucks. From earlier times Seascale offered three Napoleonic warships, the WW1 12" gunned submarine M1 and a range of confederate and union vessels from the American Civil War. Unfortunately Seascale ceased production in 1990 and reportedly the model masters are all but destroyed.

### **GORKY**

A long discontinued series of modern Soviet submarine models, similar in style to Seascale (ex Fleetline) but supplied painted and with periscopes/radar masts added. Initial releases cover some of the more modern types such as Akula and Victor III which to date have been ignored by other UK manufacturers. A total of nine models was catalogued but most seem not to have been issued. Gorky seem to have gone the way of the old Soviet Navy.

### **GRAND FLEET MINIATURES**

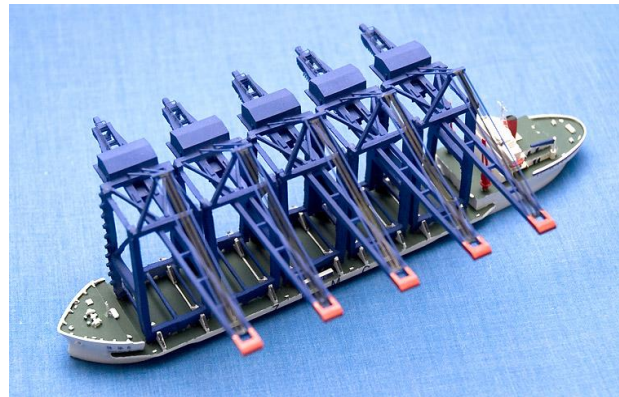
These excellent 1/1200 kits first appeared in 2011 via an outfit called Wargames South. When it transpired that this name was already in use in the USA the company was re-named Arrowhead Miniatures. First release in the Grand Fleet Miniatures range was the battlecruiser HMS Lion. For further details go to [www.arrowheadminiatures.co.uk](http://www.arrowheadminiatures.co.uk).



**Grand Fleet Miniatures HMS Lion**

## GWYLAN

Gwylan produced etched brass detail kits for the Hobby Boss plastic kits and have also issued the cargo ship Zhen Hua with its load of container cranes plus a FRAM Sumner class destroyer. Nothing further is planned as Gwylan are now producing 1/700s.



Gwylan Zhen Hua (courtesy 'Antics')

## HORNBY MINIC (ROVEX)

A small range of die-cast ships and harbour parts produced in the mid 1970s and mainly copies of original Triangs, but on wheels! The models were manufactured in Hong Kong.

M741	HMS Vanguard	battleship	M715	Canberra	liner
M751	HMS Bulwark	aircraft carrier	M704	United States	liner
M742	Bismarck	German battleship		Tug	(part of harbour sets)
M745	Scharnhorst	German battlecruiser (as built)		Harbour Sets	
M743	USS Missouri	battleship,	M902	Ocean Terminal	
M744	IJNS Yamato	battleship	M904	Fleet Anchorage	
M703	Queen Mary	liner	M905	Quayside Set	
M702	Queen Elizabeth	liner	M906	Naval Harbour Set	



Hornby Minic Scharnhorst (with Hansa seaplanes)

## KS MODELSHIPS

A range of interesting models made in the UK comprising to date five oil industry types: FS Aquarius, Skandi Falcon, North Vanguard, Energy Girl and a Bourbon Liberty 200 (anchor handling tug); three WW2 types: HMS Bustler (rescue tug), Challenge (steam tug) & Porto Corsini (Italian gunboat); 1950's C3 freighter - Hawaiian Pilot and lastly the liner RMS Titanic. The models are resin with metal masts etc. All are currently available either from stock or to order; contact [kimberleystudio@btinternet.com](mailto:kimberleystudio@btinternet.com) for prices and p&p costs; payment can be via paypal, cheque or P.O.



KS Modelships Energy Girl

## LANGTON MINIATURES

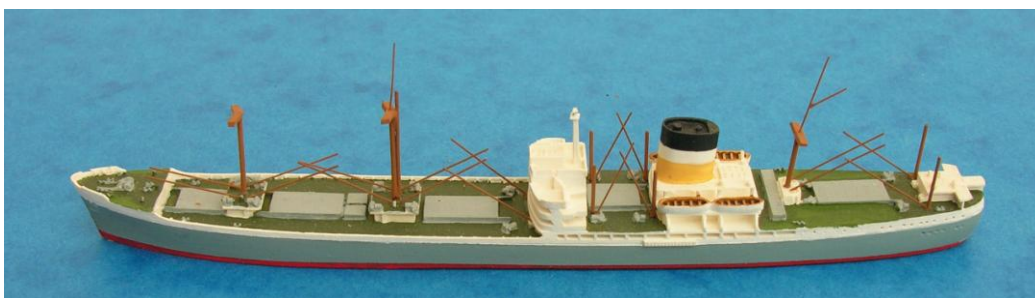
An extensive range of white metal kits of 1/1200 sailing ships from many eras plus ships of the American Civil War; also buildings and fortifications. A little outside the scope of this guide so for more details check out [www.rodlangton.com](http://www.rodlangton.com).

## LEICESTER MICROMODELS

Most of this wargame range is still available. For several years they were being sold as Trafalgar Ships but fairly recently, the moulds have been acquired by Mick Yarrow and they are now sold as MY Models. The 1/1200 metal castings are basic, but are very cheap and can form the basis for some nice models with a bit of additional work. The current stock list can be seen at [www.geocities.com/mickyarrowminiatures/twelve](http://www.geocities.com/mickyarrowminiatures/twelve).

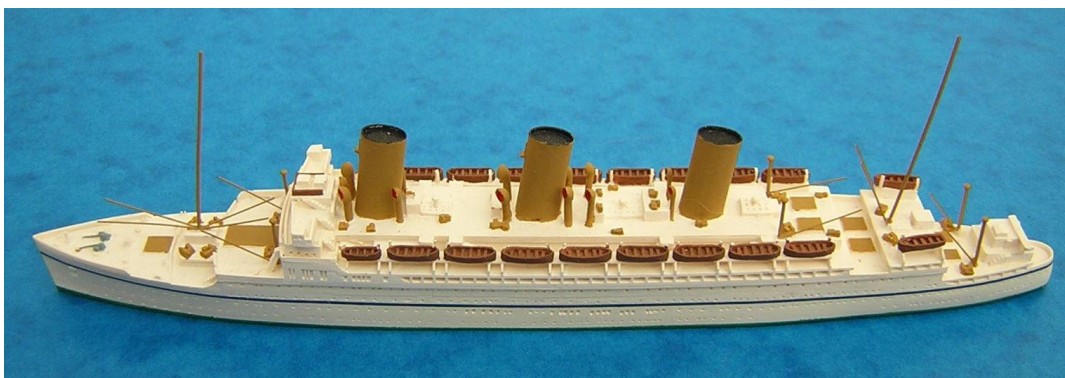
## LEN JORDAN MODELS

An impressive series of well produced 1/1200 resin kits which were in production for over twenty years. Typically the models require the addition of masts, derricks and ventilators, and painting; each kit includes a profile drawing, information on colour scheme(s), plus details of changes of ownership and name, where known. The range comprises three series, namely liners, merchantmen and tankers, mostly British and all dating from the period 1920 to 1965. The choice of models is carefully filling many glaring omissions in UK collections. Many of the early models have been deleted as the moulds have deteriorated and the original masters condemned as not being up the standard of later releases.



**Len Jordan City of Melbourne (Ellerman Line, 1957)**

From a collector's point of view we have seen the models gradually improve to the point that the crispness of casting and standard of detail is quite the equal of their German made counterparts from such firms as Albatros or CM. The information sheets supplied with the kits are also invaluable, for example with M50 we learn that ship and her many sisters were of the C3-S-A2 and A4 type and were built between 1943 and 1945 serving with a number of American shipping companies. Some of the ships had masts and others kingposts; many had 'goalpost' style kingposts. Information is provided for four different configurations cross-referred to actual ships owned by the various companies listed, these being Grace Line, American President Line, Isthmian Lines Inc., Lykes Bros. Steamship Co. Inc., Matson Navigation Co. and Moore, McCormack Lines Inc. Colour scheme details for each company is given, so for example Lykes Bros. ships for the era had a black hull with red waterline; white upperworks and boats; masts, kingposts and derricks in a very light brown and funnel in black with a white band. For those with a steady hand the funnel band contains a blue diamond with a white 'L'. Again for each company there is a list of ship's names which can be very helpful if trying to find perhaps a single picture of any one of the ships in a book. A full list of the models is given in Annex B. Sadly Len passed away in November 2011; he is missed by us all.



**Len Jordan Empress of Japan (Canadian Pacific, 1930)**

## LIMITED EDITIONS

A small range of metal castings ([www.limitededitions.co.uk](http://www.limitededitions.co.uk)) including a rather nice Britannia pictured below alongside CM-KR's Queen Mary 2. Also being produced are re-issues of some of the Nelson range (see below).



**Limited Editions Britannia (courtesy Nigel Robinson)**



**Limited Editions Bay Class RFA**

**LLYN**

A limited production range of resin models, with some 150 releases at the time of writing. Some examples are tugs Barents See (L. Smit & Co, 1957), Ionia (Hull, 1980) and Stackgarth (R & JH Rea, 1959), coastal tanker Petworth (Stephensen Clarke, 1958), freighter Fred Everard and side trawler St Christopher (1958). The models are regularly seen at swapmeets in the UK and are available via ‘Antics’ (see Annex A).



**Llyn Jean Bart (courtesy ‘Antics’)**

**LOFTLINES**

This is a current series of resin models in /1200 including some unusual subjects, the most impressive being the new Spanish carrier Juan Carlos I (contact is [gary.anson@talk21.com](mailto:gary.anson@talk21.com)). Other warships include:

St Laurent as DDE & DDH Restigouche class DDE Vidal survey ship from 1950s	High Point Hydrofoil USN or USCG Absalon Danish multi purpose vessel Nueva Esparta Venezuelan DD (1960)	Bras D'or Hydrofoil Plainview Hydrofoil Visby stealth corvette
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**Loftlines Manchester Concorde (courtesy Gary Anson)**

## MARINE ARTISTS MODELS

A series addressing mainly UK lighthouses, lightships and lifeboats; 'flagship' of the range was the Needles, with lighthouse. New releases seem to have dried up with the final (?) being Cunard's Britannia dating from 1840. Also available were SAXMAMTREX, being Skytrex kits assembled, super-detailed and painted by Marine Artists, and marketed by Saxon Miniships. What's left of the range can be found with 'Coastlines'.

## MB/HIGHWORTH MODELS

MB Models were launched in 2006 with the Soviet sea skimmer 'Ekranoplan' an RN Type 45 destroyer (with decals for all six in the class). The range also included an unusual RN Y class projected cruiser design from 1944, plus re-issues of various USA Models (see Chapter 4). Other models were various RN submarines and the planned future aircraft carrier (CVF) HMS Queen Elizabeth.



**MBM HMS Queen Elizabeth (CVF) (courtesy MBM)**

Coming from the same manufacturer is the 'Highworth' range with models of modern Russian warships & submarines plus new (in 2011) producer MZ Models with their first release USS Independence LCS-2 (all metal). MZ Models now have their own entry in Chapter 4. These ranges were available from Wiedling and from Martin Brown (see Annex A). It is understood that these models are now being produced by Antics/Coastline.



**Highworth Russian submarine Yuri Dolgorukiy (Borei class)**



**Highworth Russian frigate Steregushchy**

## MOUNTFORD MODELS

A range introduced in 2002 with white metal kits of WW2 warships in the traditional 1/1200 scale. Mountford have gone from strength to strength moving to 1/1250 and currently list WW2 era models (mainly RN) and RN/RFA vessels from 1964 to the present day, plus more recently USN, Italian, Canadian and Russian ships. Most models are now in resin (or an improved heavier version developed by Mountford called bresin) and are available as kits or assembled and painted.

Mountford also produce harbour dioramas including Portsmouth (1980s), Southampton (two versions – 1930s (see below) & 1950s with the flying boat terminal) and the US nuclear submarine base at Bangor. A new (2014) 1/1200 venture is never completed liners in the style of Triang launched with Cunard's cancelled Q3. Website is [www.mountfordmodels.com](http://www.mountfordmodels.com).



**Southampton Trafalgar Dock 1930s with the floating drydock**



**Mountford Wave class RFA**

An interesting project from Mountford is various floating drydocks either complete with submarines or, in the case of the larger docks, ideal for the Atlas Editions full hulled warships. The author is proud to record that he made the master for the '1924 Southampton Floating Drydock' which is ideal to accompany the 1930s Trafalgar dock diorama.



**Mountford generic floating drydock with Atlas Editions HMS Barham**

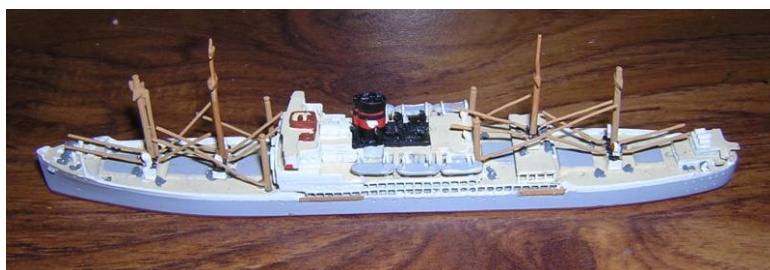
## **NAVWAR**

Wargaming models, in 1/1200, from a number of eras, namely Ancient (22 biremes and similar), Renaissance (7 models), Armada, Dutch, Napoleonic (warships models from various Navies, plus some generic merchantmen) and ACW. Examples of the Napoleonic series are HMS Victory and the 74s HMS Implacable & HMS Thunderer. Also once seen (although now reported not by Navwar) was a WW2 range known as 'Seawar' with 5 Kriegsmarine vessels – sea-going torpedo boats T1 and T22, minesweeper Type 1935 and 2 different E-boats, plus RN lend-lease Captain and Town class destroyer escorts.

## NELSON

Nelson was a range of 1/1200 British merchants, solidly moulded in metal and similar in standard to original Hansas. Later models featured etched brass shelter decks; all were fully painted. Listed below are all known models, dates indicating year depicted. Many thanks to Brian Millar for help in refining the list and to WSE for the photo. The range had been discontinued for several years but some are now being re-issued by 'Limited Editions' ([www.limitededitions.co.uk](http://www.limitededitions.co.uk)).

1	Reina del Pacifico	1930	Pacific Stm Nav. Co.	14a	Mauretania	1907	Cunard
2	Otranto	1925	Orient	14b	Mauretania	1915	as hospital ship
3	Britannic	1932	White Star	14c	Mauretania	1921	Cunard
4a	Highland Princess	1939	Royal Mail Line	14d	Mauretania	1933	Cunard, cruising colours
4b	Highland Brigade	1939	Royal Mail Line	15	Lusitania	1907	Cunard
5a	Highland Monarch	1928	Nelson Line	16	Britannia	1858	Cunard
5b	Highland Chieftain	1929	Nelson Line	17	Dominion Monarch	1939	Shaw Savill
6	Asturias	1926	Royal Mail Line	18	Sarpedon	1923	Blue Funnel
	Asturias	1947	as troopship	19	Lancastria	1924	Cunard
7	Alcantara	1935	Royal Mail Line	20	Politician	1935	T & J Harrison
	Alcantara	1948	Royal Mail Line		Cameronia	1921	Anchor Line
8	Andes	1939	Royal Mail Line	21	Empire Clyde	1953	ex-Cameronia
9	Canterbury	1929	BR (Southern)	22	Politican	1923	Charente
10	Capetown Castle	1937	Union Castle	23	Accra	1926	Elder Dempster
11	Nestor	1913	Blue Funnel	24	Apapa	1927	Elder Dempster
12	Mauretania	1938	Cunard	25	Aba	1921	Elder Dempster
13	Rangitiki	1928	New Zealand Line		Southern Prince	1929	Prince Line



**Nelson Southern Prince (Prince Line, 1929)**

## NKC SHIPS

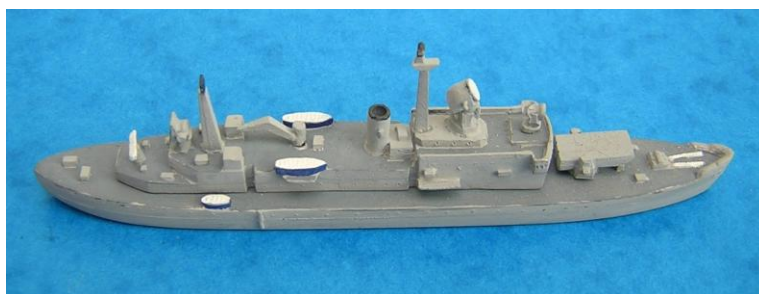
A 1/1200 range introduced in 2012 covering the current fleet of the Isle Of Man Steam Packet Company. Sadly the maker has passed away but the masters have passed to Mountford who have released Ben My Chree, Viking and Snaefell.



**NKC/Mountford (IoMSPC, 2012)**

## OCEANIC

An elusive range which is no longer in production. The catalogue lists some 200 ships, primarily from the period 1939 to the present day and concentrates on British ships such as coastal craft, tugs, naval auxiliaries (tankers and storeships), trawlers, escort carriers, ferries and modern RMAS types.



**Oceanic HMS Girdleness**

There is also the 'Target' listing of WW1 RN torpedo boats and destroyers designed for wargaming. The models are supplied as white metal kits and although not to a particularly good standard, offer the benefits of reasonable price and the possibility of finding many ships not available elsewhere. Dreadnought Models (see Annex A) have all remaining Oceanic stock.

## PEDESTAL

Well detailed resin models of merchant ships that participated in Operation Pedestal in 1942, hence the name, and various RN WW2 ships that were converted merchantmen. The models were based on Len Jordan originals suitably modified and with much extra detail. The range is no longer in production. Lists of models follow; many may not have been released.

Almeria Lykes	1942	US Lykes Line	Waimarama	1942	Shaw Savill & Albion
Brisbane Star	1942	Blue Star	Wairangi	1942	Shaw Savill & Albion
Clan Ferguson	1942	Clan Line	Santa Elisa		
Dorset	1942	Federal	Ajax	1942	Blue Funnel
Deucalion	1942	Alfred Holt	Auckland Star		
Empire Hope	1942	Ministry of War Transport	Orari		
Glenorchy	1942	Glen Line	Fort Halkett		
Melbourne Star	1942	Blue Star	Empire Might		
Ohio	1942	Eagle Oil & Shipping Co.	Empire Darwin, CAM ship		Ministry of War Transport
Port Chalmers	1942	Port Line	Empire Lankester		Ministry of War Transport
Rochester Castle	1942	Union Castle	Hansa (ex Glengarry)	1944	German AMC

### Pedestal Merchant Ships

HMS Athene	aircraft transport	HMS Hector	AMC
HMS Lamont	LCI	HMS Agamemnon	Minelayer, later amenities ship
HMS Rapana	MAC	HMS Blenheim	destroyer depot ship
HMS Aurania	AMC	HMS Bonaventure	X craft depot ship
HMS Artifex	repair ship	HMS Engadine	aircraft transport
HMS Alaunia	repair ship	HMS Ranpura	AMC
HMS Alcantara	AMC	HMS Ranpura	repair ship
HMS Glenroy	LSI		

### British War Conversions By Pedestal

## PIER HEAD MODELS

These are 1/1200 models of short sea vessels operating in the Irish Sea and Mersey some in their original colours and some during wartime service. Details may be found at Convoy Models website: [www.photrek.co.uk/convoy](http://www.photrek.co.uk/convoy). Examples of the range are SS Mona's Queen (IOMSP, 1934-39), HMS Ramsey (IOMSP, as RN Armed Boarding Vessel 1914), SS Ramsey Town (IOMSP, 1928-36), SS Old Bebington (Birkenhead Corporation ferry, with railway carriage load, 1926), MV St Trillo (P&A Campbell, 1936) and SS Londonderry (Midland Railway, 1904 – 1914).

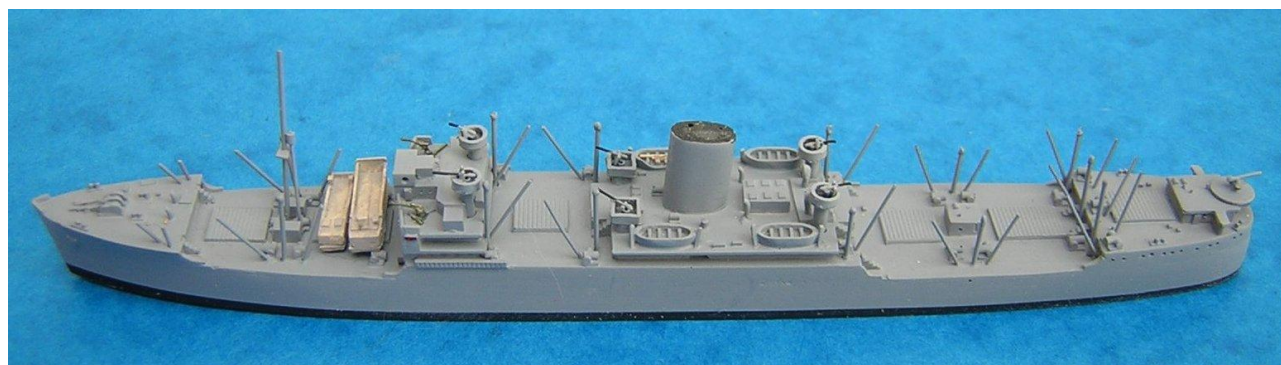


**Pier Head Lady of Mann (courtesy Pier Head Models)**

## SANTA ROSA SHIPS

Santa Rosa Ships speciality was 1/1200 models of merchant ships as converted for war duties during the period 1939 – 1945. Each model was individually hand made frequently using as a starting point one of Len Jordan's excellent kits. Those suffixed 'm' were of metal; others are of resin. In producing their Pedestal Convoy series Santa Rosa took over from

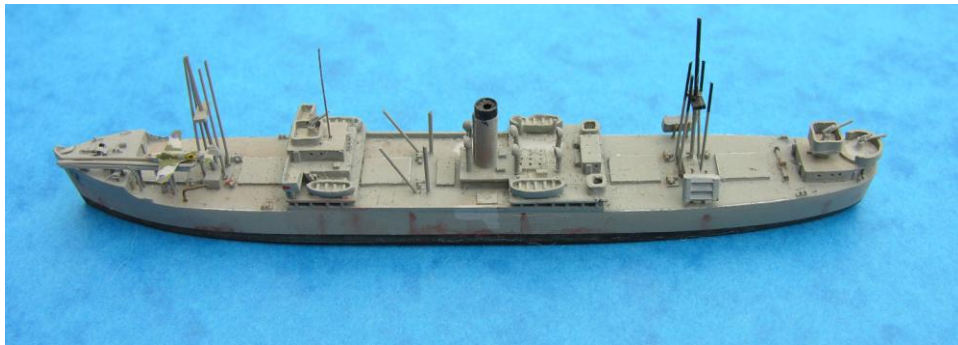
the defunct 'Pedestal' range. Typically ships were presented in wartime grey with a full complement of AA guns, all correctly sited. SR10 was produced with a range of deck cargoes including planes, tanks or trains.



### Santa Rosa Brisbane Star

The Brisbane Star has a deck cargo of two landing craft and a particularly nice touch is the pair of oars stowed in one of the ship's boats, a detail also found on the Melbourne Star. This latter ship is also fitted with a minesweeping A frame and such attention to detail makes these unusual models a worthy addition to any WW2 collection. The catalogue as far as can be established is given below; in the case of 56 & 57 there has been re-use of catalogue numbers; some were not used at all. Sadly the maker, a popular Theale attendee, passed away in 2008.

SR1	Liberty ship	SR29ma	KM trawler type II
SR1a	Liberty ship tanker	SR30	KM patrol boat M/S
SR1b	Steven Hopkins, EC2-S-C1	SR30ma	KM patrol boat A/S
SR2	Victory ship	SR31	HMS Grey Fox, gun boat
SR3	Daghestan, helicopter ship	SR32m	Fairmile D MTB
SR3a	Daghestan, CAM ship	SR32ma	Fairmile D MGB
SR4	Empire Ocean, CAM ship	SR33	<i>not used</i>
SR4a	Empire Darwin, CAM ship	SRs34m	Belford, 1920 Walford Shipping
SR5	Dalton Hall, CAM ship	SR35 - 36	<i>not used</i>
SR6	Empire Tourist	SR37m	RN drifter, M/S
SR7	Bullfrog, cable ship	SR37ma	RN drifter, A/S
SR8	Royal Eagle, AA ship	SRs38	Empire Julia, rescue tug
SRs8	Royal Eagle, AA ship camouflaged	SR39	Fairfield City (US freighter PQ 17)
SR9	British Fame	SR40	KM R boat M/S
SR9a	British Trust	SR41	KM S boat S18
SR10	Fort Halkett	SR42	KM S boat S181, armoured bridge
SR10a	Fort Halkett with deck cargo	SR43	SS City of Omaha
SR11	Ranger class oiler	SR44	San Elisio, armed tanker 1944
SR12	Black Ranger, oiler	SR45	Empire Jet, armed tanker 1944
SR12a	Blue Ranger, oiler	SR46 - 49	<i>not used</i>
SR13	Bar class	SRsm50	HMS Gardenia, corvette 1940
SR14	Robert Middleton	SRsm50a	HMCS Shediac, corvette, 1941
SR14a	Robert Middleton (post war)	SR51	Empire Chapman, armed tanker 1943
SR15	Aristocrat, AA ship	SR52sm	Hunt I class RN destroyer
SR16	Round Table class trawler	SR53sm	Hunt II class RN destroyer
SR17	<i>not used</i>	SRs54	HMS Athene, aircraft transport
SR18	T2 tanker with deck cargo of a/c	SR55	Fort Bedford
SRs19	Abbeydale, oiler	SR56	HMS Bulwark, 1956
SRs20	Isles class trawler	SRs56	RFA Lundy, tank cleaning vessel
SRs21	Alynbank, auxiliary AA ship	SR57	Caldy, tank cleaning vessel
SRs22	Dingledale, oiler	Srs57	RFA Dingledale, armed oiler
SRs23	Jaunty, fleet tug	SR58 - 59	<i>not used</i>
SR24	<i>not used</i>	SRs60	Pampas, as at Malta 1942
SR25	Eaglesdale, RFA tanker	SRs61	HMS Pretoria Castle
SRS26	Empire Fred, Armed tug	SRs62m	Hills class trawler (metal)
SR27	Empire Regent, fast Empire	SR63	Patia, CAM ship
SR28	HMS Hilary, LSI (HQ)	SR64	Clan Lamont, LSI(L)
SR29m	KM trawler	SR74	Glenroy (LSI) in 1942



**Santa Rosa Empire Ocean**

<u><b>Pedestal Convoy</b></u>	
P1	Melbourne Star
P2	Brisbane Star
P3	Dorset
P4	Port Chalmers
P5	Almiria Lykes
P6	Rochester Castle
P7	Ohio
P8	Empire Hope
P9	Deucalion
P10	Santa Elisa
P11	Wairangi
P12	Waimarama
P13	Clan Ferguson
P14	Glenorchy

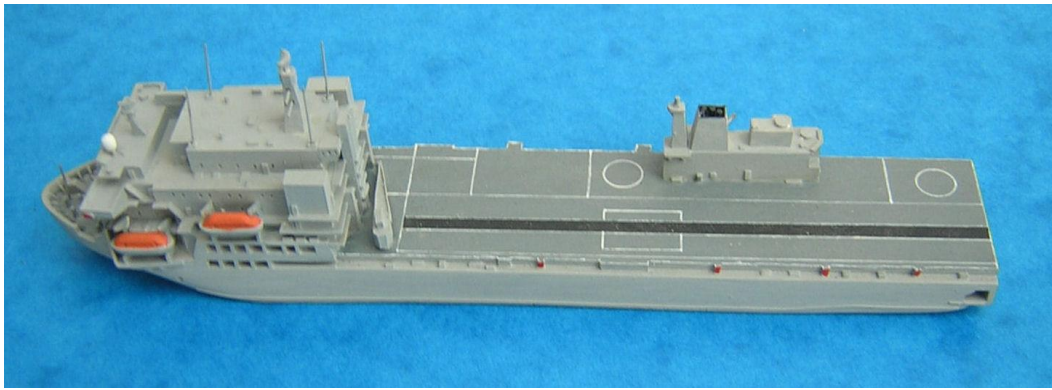
<u><b>Coastal Convoy Ships</b></u>	
CC1	Broomfield, 1938
CC2	Annaghmoor, 1924
CC3	Belford, 1920
CC4	Ben Read, 1923 tanker
CC5	Cordene, 1924
CC6	Fulham, 1936 Thames flat iron
CC7	Kylbrook, 1924
CC8	Holm Force
<u><b>Special Models</b></u>	
SM1	Glenorchy, 1939
SM2	Belgian Veteran, (Ocean), 1942
SM3	Belgian Crew, (Empire), 1943

**SEA-VEE**

The evolution of SeaVee started in the mid-1980s with resin cast models of the STUFT vessels Atlantic Conveyor & Atlantic Causeway and tanker British Explorer under the name Fleetrain. These were similar in quality to Degen but rather more detailed and well finished & painted. Over the following years a number of models were made, all in resin but to an ever improving level of sharpness and detail, examples being HMS Gloucester (Type 42 Batch III), HMS Malta (cancelled aircraft carrier), HMS Cornwall (Type 22), RFA Sir Caradoc, RFA Argus and USS Arleigh Burke. A number of modern merchant ships were also made including complete a rebuild of the Atlantic Conveyor, Columbia Star, channel ferry Pride of Sandwich, Sealink Isle of Wight ferry St Helen, Elizabeth Bowater and P & O's Strathewe still in resin but to a superb standard of detail and paintwork. One of the first to be cast in metal was Seacat (Hoverspeed ferry 1991). Some of the larger ships have been cast in metal in Germany (apparently by Rhenania) for example the Strathewe and reportedly a number of ferries.



**Fleetrain Atlantic Conveyor and Causeway (first versions)**

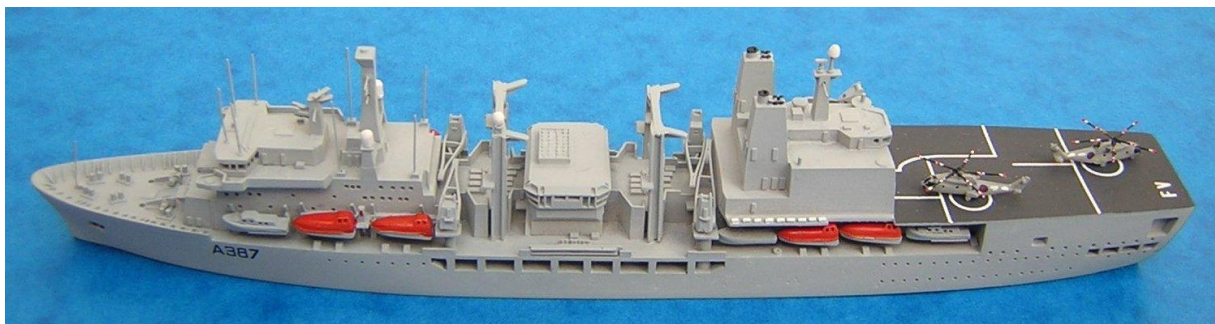


**Fleetrain RFA Argus**

Sea-Vee are active once again offering the same very high standards, but now in metal. Unfortunately the models go out of production very rapidly; the table below has been compiled from lists over the past few years. Those marked \* have been seen! A secondary range, with catalogue numbers SVX lists 23 models, mainly USN, USCG or MSC, but also some Italian ships plus HMS Gloucester and the experimental Vosper trimaran frigate Triton. Finally look out for a couple of real specials – USSs Savannah and Chandler with only 30 of each produced. A recent release is a Castle class corvette in two versions.

Unfortunately the Sea-Vee website has been discontinued although subscribers do receive catalogues..

501*	Fort Victoria	AK, 1994	514	Waterman	Future release
501a	Fort George	AK	515*	Mac 1010	LK
502	Fort Austin	AK, 1979	515a*	W 1517	LK
502a*	Fort Grange	AK	516*	Moorhen	TL
503	Regent	AK, 1967	516a*	TCL 1905	LK
503a	Resource	AK, 1967	517*	Dog class	Tug, 1965
504	Argus	RH, 1981	518	Newton	FO, 1976
505	Sea Crusader	Ro-Ro, 1997	519	Irene	Tug
506	Olmeda	AO, 1965	520	Salmoor	AT, 1989
506a	Olna	AO, 1966	521	HMS Lynx	1957
507*	Sir Galahad	LSL, 1987	522	HMS Salisbury	1959
507b*	Sir Tristram	LSL, 1986	525	HMS Ashanti	1961
507d	Mexefloat		526	Blackwood class	1958
508	Diligence	AR, 1981	527	HMS Whitby	1960
509*	Adept	Tug, 1980	528	Sabre	1960
509a	Powerful	1985	529	Director	Paddle tug
510	Northella		530	HMS Ark Royal	1977
511	Kinterbury	1985	531	Confiance	RMAS tug 1960
512	Magnet	DF, 1979	531a	Agile	RFA tug 1958
513	Arakan	L, 1978			



**Sea Vee RFA Fort Victoria**

#### **SKYTREX/MERCATOR (TRITON 1250)**

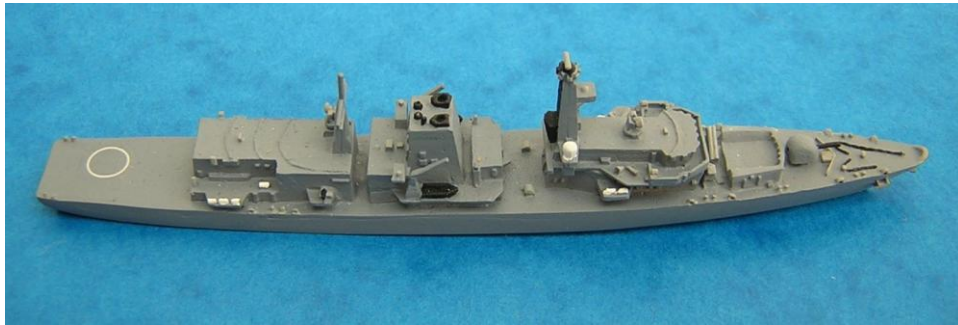
With Skytrex having gone into administration the model ship side has re-emerged in 2013 as 'Triton 1250'; however us collectors will probably still call them Skytrex. Over the years no less than eleven series of models have been produced as follows:

- Triton 1/1200 Napoleonic 1790 – 1815;
- Triton 1/1200 American Civil War;
- Triton 1/1200 transitional era 1840 – 1860;

- Triton 1/1200 ironclad era 1860 – 1885;
- Mercator 1/1250 liners and warships (from the original German Mercator range);
- Mercator 1/1250 liners (new by Skytrex);
- Mercator 1/1250 pre-dreadnoughts (new by Skytrex);
- Leviathan 1/1250 World War 1 warships – RN dreadnoughts only;
- Triton ‘1250’ modern warships, auxiliaries and aircraft;
- Triton ‘1250’ merchant marine range;
- Seascope 1/1250 harbour components and accessories.

The original Triton 1250 range of modern warship models was launched in 1983 and when in full production included over 50 different ships from minesweepers to nuclear powered aircraft carriers.

The models were cast in white metal and available either as kits or assembled/grey painted. A kit would typically comprise the hull, cast in one piece, with superstructure, masts, radars, guns and missile launchers provided separately. In general the models were reasonably well detailed and easy to assemble. Being kits the models lent themselves to conversion as seen in the illustrations. In some instances a degree of filing and filling was needed to achieve a satisfactory finish, particularly to overcome problems of hull register. Some were re-issued to an improved standard.



**Skytrex Triton 1250 HMS Norfolk (re-issue)**

Over half the original range was taken up by ships of the modern RN and RFA and virtually every class and batch in 1980s service was covered, plus an increasing selection of ships from earlier years, including the CTOL carriers Ark Royal and Victorious and a number of destroyers and frigates. The model of HMS Hermes, complete with ski-jump and landing craft left over from her previous role as commando carrier, is especially impressive. This ship could of course now be depicted in Indian service as the Viraat, or with the removal of the ski-jump and appropriate flight deck markings as a good old fashioned fixed wing carrier. Several different variants of the Type 42 were available, with varying weapon and sensor fits, showing Batch I and II ships as built and currently modified, plus the Batch III or stretched version. Unfortunately the latter featured a rounded stern as in the original design, rather than the square stern which was ultimately adopted. The more expensive Albatros K model of HMS Manchester is also incorrect in this respect although the recent HMS Edinburgh is spot on. Four different Leander class frigates were produced including the original gun-armed version, and Exocet, Ikara and Sea Wolf conversions. The other Leander conversion with a lowered Exocet mounting and a towed array sonar has not been produced. The Sea Wolf Leander is a very disappointing model but the others are quite good. A re-worked version of the Type 23 frigate set new standards in terms of detail and finish. As can be seen from the list Skytrex cover many of the large RFAs, some exceptions being the support tanker Oakleaf and the Fort Victoria class. At present the following British warships/RFAs only are believed to be available (as kits or assembled):

<b>Recently available Skytrex models:</b>	Hermes, Aircraft Carrier 1982 Invincible, Aircraft Carrier 1982 Ark Royal, Aircraft Carrier 1991 Illustrious, Aircraft Carrier 1999 Triumph, Repair Ship Fearless, Assault Ship Sir Bedivere, Landing Ship Logistic Green Rover, Small Fleet Tanker Olwen, Large Fleet Tanker	Resource, Fleet Replenishment Ship Argus, Helicopter Training Ship Fort Grange, Stores Support Ship Engadine, Helicopter Training Ship Tidespring, Large Fleet Tanker Diligence, Forward Repair Ship Bayleaf, Support Tanker Lyness, Stores Support ship
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Also released were various RN warships of the 1950s/60s as follows: HMSs Salisbury (Type 61), Leopard (Type 41), Hardy (Type 14), Rocket (Type 15), Troubridge (Type 15, mod), Cavalier (mod), and Terpsichore (Type 16). Listed but not released were: HMSs Battleaxe (Weapon Class), Crossbow (Weapon Class mod), Corunna, Caesar, R1057a and Saumarez.



**Skytrex RFA Diligence & converted back to Stena Seapread**

Skytrex originally offered ten different USN warship models including Kidd and Spruance class destroyers, the USS Ticonderoga and back in 1983 the only known model of the nuclear powered cruiser USS Truxton. The largest kits in the range were those of the American carriers John F. Kennedy, Nimitz and Enterprise of which the latter is perhaps the best model, showing the ship as modified. The hulls of these large vessels are crisply cast in resin, with the flight deck in metal and in two parts. It is not always easy to hide the join when assembling the flight deck. Most major Soviet types of the 1980s were represented such as the ‘battlecruiser’ Kirov, a very fine model, the Kiev, and the various classes of missile cruiser from Kynda (1964) to Slava (1984). Models of the destroyers Sovremenny and Udaloy completed the Soviet range of nine models. Various Dutch, West German, Canadian, Nigerian and Argentine destroyers/frigates were also available, and a range of 1/1250 aircraft.



**Skytrex RN aircraft carriers – HMSs Eagle, Ark Royal, Victorious and a converted HMS Hermes**

Warships of three other eras are also addressed in kit form, namely Napoleonic, American Civil War (20 models, intended for wargamers), and lastly mid-19<sup>th</sup> century (typified by the French Gloire and HMS Warrior) to ironclad. Skytrex have filled a huge gap in the UK market with their models and with a little time spent on assembly, paintwork and perhaps extra detailing, some very fine models can result. In 1989 Skytrex moved into modern merchant ships for the first time and unlike the warship models, the ‘Merchant Marine’ series of models (currently discontinued) were only available assembled and painted; just five models were issued, as listed below. The quality of these models is akin to original Hansa and they do not seem to have been a great success.

<u>‘Merchant Marine’ Series Models</u>	
TM 1 City of Liverpool (bulker, 1981)	TM 3 Columbialand (bulker, 1968)
TM 2 Hakone Maru (container ship, 1968)	TM 4 Arundel (collier, 1956)
	TM 5 SD14 type merchant ship (1965)

Skytrex have also introduced the ‘Seascape’ series which offers harbour layouts, merchant and naval, again all fully painted and ready for immediate use. The harbour pieces were originally sold as small sets but are now available as individual items. The original quay sections were designed to be compatible with those formerly manufactured by Triang and Hornby, although the later versions were re-issues of Mercator pieces. A series of New York harbour piers can be found in this series. Another Skytrex venture is pre-1918 warships with the Leviathan series of WW1 warships and Mercator RN pre-dreadnoughts, all fully painted with most of the latter available in regular grey or more colourful Victorian or tropical schemes. Pre-dreadnoughts listed were:

M201	HMS Majestic*	M205	HMS Duncan*
M201A	- in wartime grey -	M205A	- in wartime grey -
M202	HMS Canopus*	M206	HMS Queen*
M202A	- in wartime grey -	M207	HMS Swiftsure**
M203	HMS Formidable*	M207A	- in wartime grey -
M203A	- in wartime grey -	M208	HMS King Edward VIII
M204	HMS London*	M209	HMS Lord Nelson
M204A	- in wartime grey -		

New 'Mercator'  
Pre-Dreadnoughts  
(201 to 203A only  
released)

\* in Victorian colours  
\*\* in Far Eastern colours



**Skytrex RN pre-dreadnoughts**

In general the pre-dreadnoughts are fine models featuring, apart from the 'basic's, painted decks, but not to the quality of the equivalent Navis-Neu. The 'Leviathan' range of dreadnoughts was given as:

LE1	HMS Lion	LE10	HMS Erin	LE19	HMS Neptune
LE2	HMS Queen Elizabeth	LE11	HMS St Vincent	LE20	HMS Glorious
LE3	HMS Iron Duke	LE12	HMS Canada	LE21	HMS Furious
LE4	HMS Indefatigable	LE13	HMS Royal Sovereign		
LE5	HMS Invincible	LE14	HMS Bellerophon		New 'Mercator'
LE6	HMS Ajax	LE15	HMS Hood		Dreadnoughts
LE7	HMS Tiger	LE16	HMS Colossus		Only LE1 – 3 ever released
LE8	HMS Agincourt	LE17	HMS Dreadnought		(shame as the masters for the
LE9	HMS Orion	LE18	HMS Repulse		others looked pretty good)



**Skytrex WW1 RN dreadnoughts**

In 1993 Skytrex took over the German Mercator name and moulds and released various of the original Mercator liners, plus some German flak ships, and reportedly with help from Germany introduced various new models, such as the warships mentioned above and liners, as will be listed later. Production has since ceased.

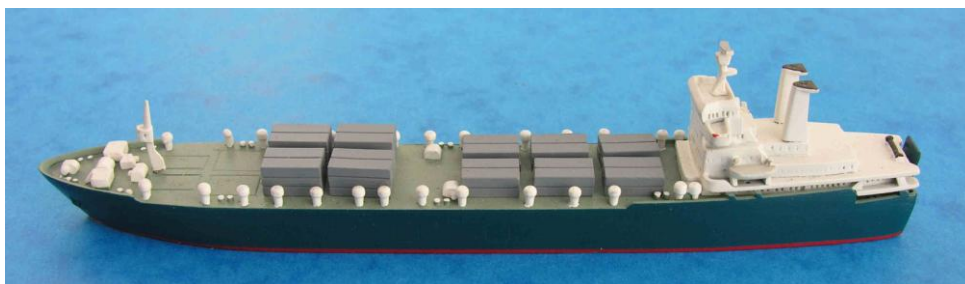
#### **Mercator (and Atlantic)**

Best known for their superb selection of liners, Mercator have in the past (under German ownership) produced a small number of historical models, an extensive range of warships from the period 1880 to 1945, and a few merchantmen subtitled the 'Atlantic' series. Harbour parts and accessories were also available. The description below summarises the last known 'state of play' of the original range as produced in Germany. Typical of the so-called historical series was a set comprising the Santa Maria, Pinta and Nina. The warship series which numbers some 160 models primarily addressed minor German types, but also included pre-dreadnoughts, flak ships, auxiliaries, light cruisers and WW2 submarines. 'Foreign' vessels were Japanese WW2 submarines, an impressive and colourful fleet of 22 Russian types from 1880 – 1906 (including Tsesarevitch, Retvizan & Oslibia as pictured below), the ironclads Hoche (French) and HMS Nile, and a model of the Spanish dreadnought battleship Jaime I.



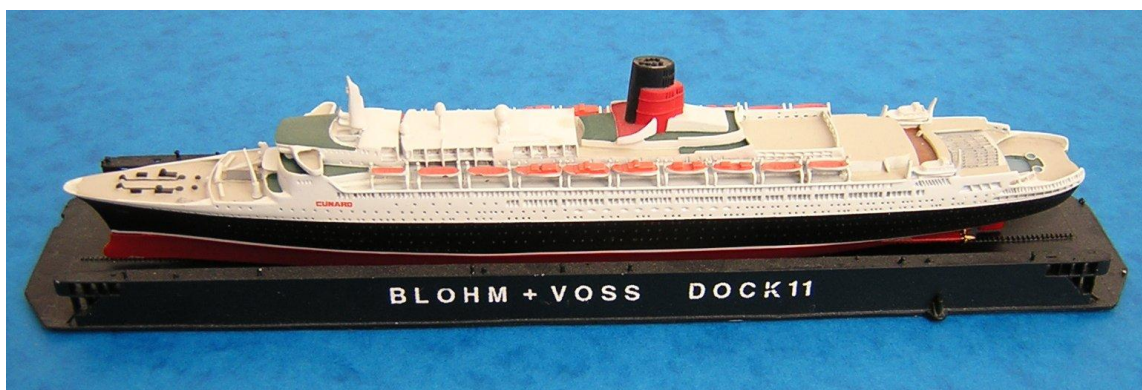
**Mercator Russian pre-dreadnoughts**

The ‘Atlantic’ Series from Mercator was mainly German vessels although the Swedish containership Atlantic Span (AT 12) may be of interest to British collectors through her connections with ACL.



**Atlantic ACL Atlantic Span**

The main Mercator range featured over 200 merchant ships including freighters, aircraft tenders (pre-war), passenger liners, AMCs, tankers, sailing vessels and even the occasional whaler. It is almost impossible to select a few for specific mention but how about the magnificent liners Vaterland, Normandie, Rex and France.



**Mercator QE2 in CM's drydock**

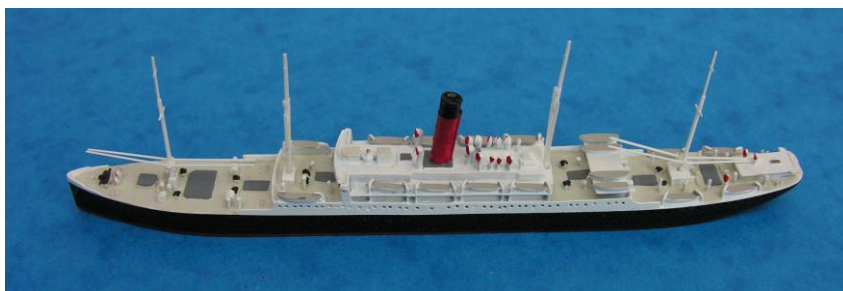
American ships covered are President Hoover (as in 1957, catalogue number M579a), Leviathan (1923, M402a) America (1940, M563), United States (1952, M906) and Edmund Fitzgerald (1958); the latter was Mercator's Special Model for the 1992 Kassel event. British merchants, including those commissioned by VM, are listed below and apart from the five ‘VMs’, all were issued by Skytrex. M495a Georgic had not been released prior to Skytrex taking the helm and the supertanker Esso Mercia had been deleted for some time.

SM/VM3	Waverley	1947	paddle steamer	M419a	Empress of Australia	1922	Canadian Pacific
M7000/VM4	Manxman	1955	Isle of Man SP Co.	M493	Queen Elizabeth	1939	Cunard
VM5	Snaefell	1948	Isle of Man SP Co.	M494	Queen Mary	1938	Cunard
VM5a	Tynwald	1947	Isle of Man SP Co.	M495	Britannic	1932	White Star
VM5b	Mona's Isle	1966	Isle of Man SP Co.	M495a	Georgic (n/r)	1932	White Star
M400	Great Eastern	1859	Great Steamship Co.	M540a	Canadolite	1926	Imperial Oil (Canada)
M404	Titanic	1912	White Star	M548	Empress of Britain	1931	Canadian Pacific
M405	Mauretania	1907	Cunard	M578	Shropshire	1926	Bibby
M405a	Lusitania	1907	Cunard	M900	Esso Mercia	1968	Esso
M406	Ivernina	1900	Cunard	M915a	Vistafjord	1983	Cunard
M414	Glennifer	1915	Glen Line	M916a	Sagafjord	1985	Cunard
				M921	Queen Elizabeth 2	1968	Cunard (as in 1988)

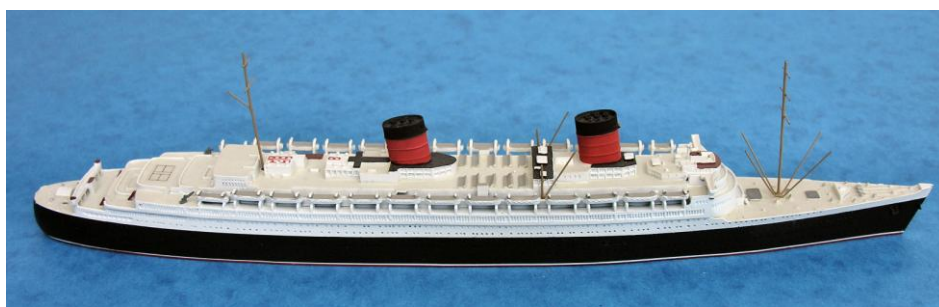
Original Mercator/VM British Merchant Ships



**Mercator Manxman**



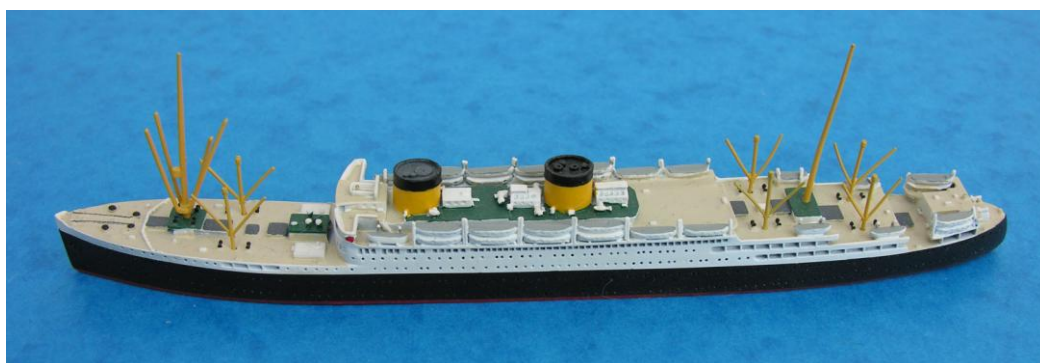
**Mercator Ivernia (Cunard, 1900)**



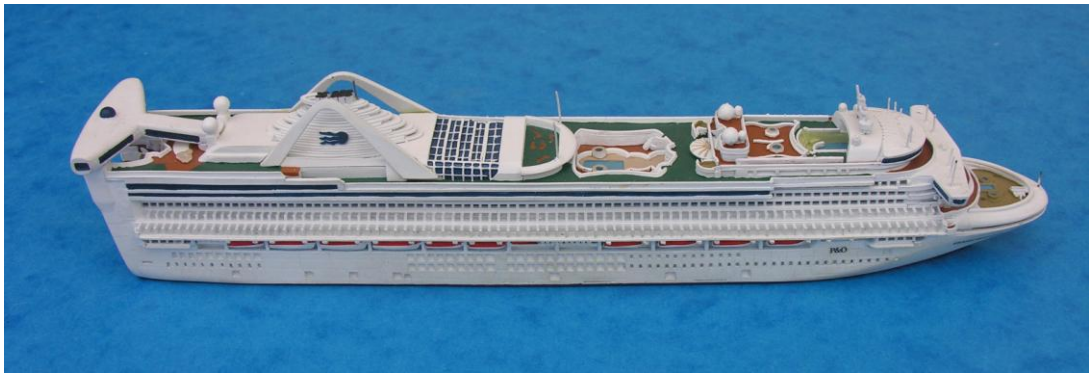
**Mercator Queen Elizabeth (Cunard, 1939)**

New 'Mercator' models of British ships produced by Skytrex are listed below; their finest hour is a close call between M927 Oriana and M941 Grand Princess.

M418a	Berengaria	1922	Cunard	M935	Star Princess	1989	P&O Princess
M916b	Caronia ex Sagafjord	1999	Cunard	M935a	Arcadia	1998	P&O
M921a	QE2 (blue hull)	1994	Cunard	M936	Stena Explorer	1996	Stena
M921b	QE2 (grey hull)	1997	Cunard	M937	Sun Princess	1997	P&O Princess
M927	Oriana	1965	P&O	M937a	Dawn Princess	1997	P&O Princess
M927a	Oriana	1960	Orient	M940a	Uganda	1982	British India
M928	Georgic	1932	White Star	M941	Grand Princess	1998	P&O Princess
M930	Canberra	1960	P&O	M942	Nedlloyd Southampton	1998	Nedlloyd
M930a	Canberra	1982	(Falklands)	M944	Orontes	1929	Orient
M931	Baltic	1904	White Star	M945	Viceroy of India	1929	P&O
M932	Comorin	1925	P&O	M946	Himalaya	1949	P&O
M933	Oriana	1995	P&O	M947	Aurora	2000	P&O
				M948	Adonia	2003	P&O



**Skytrex Mercator Georgic (White Star, 1932)**



**Skytrex Mercator Grand Princess (P&O Princess, 1998)**

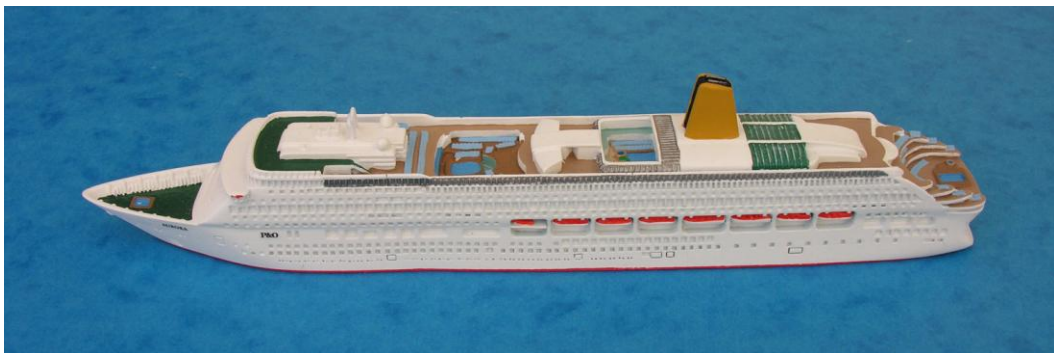


**Skytrex Mercator Oriana (P&O, 1965)**



**Skytrex Mercator Caronia (Cunard, 1999)**

Seven of the liners were apparently given a limited re-issue in early 2010, specifically Queen Elizabeth (M493), Queen Mary (M494), Normandie (M519), United States (M906), Oriana 1995 (M933), Himalaya (M946) and Aurora (M947), the latter being unique to Skytrex.



**Skytrex Mercator Aurora (P&O, 2000)**

## SOLENT MODEL SHIPS

A new initially 1/1200 series (now 1/250) in metal first seen at the Theale Swapmeet in Spring 2012 – first release shown below. Second was the Hythe followed by the John Biscoe, De Soto (American Waterman Line, 1955), Lagoa (Portugese, 1949), Chirriipo (Elders & Fyffes, 1957), Walmer Castle (Union Castle, 1936) and Finkenau (German, 1961).



**Solent Model Ships Winchester (Southern Railways, 1947)**

## TRIANG

Many collectors of waterline ship models were first introduced to the hobby through Triang Minic Ships and although long out of production there is still great interest in the range and some debate as to what models were actually issued. Production started in 1958 at Merton SW19, M709 Caronia being the first release. The models were die-cast in very hard metal quite unlike most other 1/1200-1250 ships before or since, the only comparable makes being the Italian firm Mercury, and the Spanish Anguplas whose models were produced in mainly the 1960s (see Chapter 4).

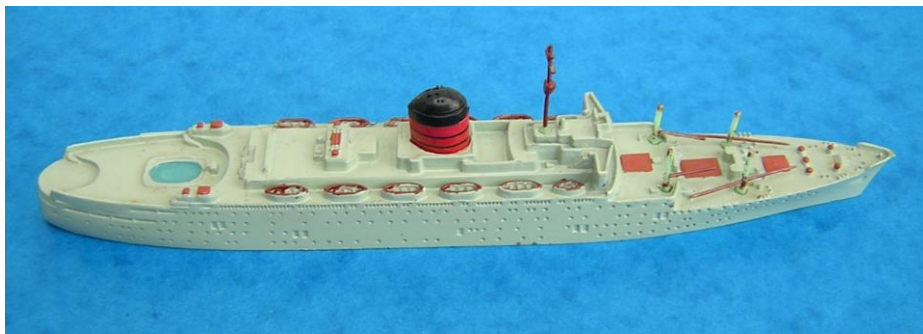
The range was gradually increased until eventually a very large selection was produced, including 20 liners, a substantial number of contemporary warships and a considerable assortment of harbour parts and miscellaneous vessels, even down to a whale factory ship, whalers and plastic whales in grey or white, the latter presumably for those who wished to emulate Moby Dick in miniature! Of the liners, the Cunard ships were initially produced with plain red and black topped funnels, but after a comment from the shipping line, black hoops were eventually heat printed on the plastic funnels. Ultimately transfers were used to depict the hoops, as on the re-issued Hornby Minic ships (see other entry). Masts were made in soft plastic and were supplied on sprues, sometimes with spares.



**Triang Port Brisbane enters the flooded down drydock**

The only variations over the years were to the Antilles and Flandre which were produced both in overall white livery, but also with white upperworks and black hull. The rarest models of all are the Carmania and Franconia which were released just before production ceased. These were re-modelled from Saxonia and Ivernia respectively and used the same catalogue numbers. They were issued in an overall green livery as on the Caronia, with green plastic masts and a completely redesigned stern as in the actual ships. Only 1000 of these were manufactured with some 80% being exported to the USA, so finding one today can be a real problem; they do appear at swapmeets but a three figure sum is likely. As a general guide the liners become progressively rarer the further down the list you go (see Annex B) with the RMS Queen Mary/Elizabeth and SS United States still relatively common.

Turning to the warships, these were initially produced in an overall blue colour scheme and ranged from the battleship Vanguard, through aircraft carriers, cruisers, destroyers, frigates, minesweepers, submarines and tugs. Gun turrets were trainable and cranes, in soft black plastic, were moveable but not detachable; incidentally the somewhat ungainly cranes were also used on the liners Port Brisbane and Port Auckland. Masts on the Vanguard and carriers were loose, although those on the destroyers and frigates were fixed; all were made from the same black plastic.



**Triang Franconia (Cunard, 1962)**

In 1960 production moved to Canterbury in Kent and the colour of all the warships was changed to grey. The County class guided missile destroyers were only produced at Canterbury and so were never blue, a point worth noting if you are ever offered a 'rare' blue one at an exorbitant price. If buying a County also check that the helicopter rotor blade is still attached as these are often lost. Warships known to be rare include blue Vanguards, grey carriers, blue Darings, especially HMS Dainty, and blue submarines.

Produced but not issued commercially was HMS Albion as a commando carrier with a printed paper helicopter deck glued on the flight deck. These were especially commissioned when HMS Albion received her commando carrier conversion in 1961 and were meant to be a gift to more senior members of the ship's crew. Another mystery possibly linked to the above is the helicopter which was produced but never listed. This was in fact an unfortunate whale with a County class type rotor blade pinned through its head. Perhaps Greenpeace forced its withdrawal...

A very full range of harbour parts and miscellaneous vessels was produced, including the oil tanker SS Varicella, the whaling fleet already mentioned, a pilot ship, lightships and so on, enabling the collector to build a very colourful harbour layout on a realistic plastic sea, the latter available in two sizes. One item never listed separately was the pier shelter, produced in dark green; this was only supplied with the pier entrance and centre sections, although supply seems to have been somewhat haphazard. As for rarities, pilot boats, lifeboats (small blue plastic models), a factory (a rather weird model based on the pier building but with a tall chimney in place of the dome) and the tanker wharf seem hard to find, in particular the black plastic oil lines for the latter. In order to put to rest a myth that has grown up over the years, it can be stated that the train ferry St Germain, the cargo boat and the barge were never produced, this information coming directly from Hornby Hobbies some years ago. These were the only models to be listed in the catalogue, but not actually produced.

In general the models were sold in bright yellow boxes with blue print, the model name and number being stamped on the box ends; early boxes had a white panel on the ends but this was later discontinued. Larger models were individually boxed but some smaller models were packed several to a box according to the size of the model. Some liners and the Vanguard (see Annex B) were also sold in clear view presentation boxes, and a selection of presentation packs was also produced. These were issued as boxed sets with lavish artwork, and the largest and incidentally rarest is the Nieuw Amsterdam with the Varicella and a suitable harbour layout. Over the years a total of six catalogues was printed and a wood/hardboard display case, with the models glued to narrow shelves, was available for use in shops. The case was surmounted by a large Triang Minic sign, with a representation of the white cliffs of Dover along the base. Dimensions excluding the sign were 24" by 27" and the case was painted light blue. With production lasting over a six year period, it should still be possible to obtain a fair collection via small ads in the modelling press and at swapmeets. The models are very attractive and the liners alone can form a very impressive display. Incidentally Triang seems to be less highly regarded on the continent so there may yet be bargains around. When scouring the swapmeets do not be confused with the re-issued Hornby Minic series (see separate entry) released in 1976. These were made in Hong Kong and featured a red plastic waterline complete with 'glidewheels'. Always check underneath, because even if the waterline section has been removed, the casting will still bear a 'Made in Hong Kong' mark.



**Triang Aquitania (Cunard, 1914)**

### **TRIANG MINIC SHIPS LIMITED**

2003 was a remarkable year for new manufacturers but perhaps the biggest surprise of all was the return of the Triang name. Based in Hong Kong, Tri-ang Minic Ships Limited was founded in 2002 with the intention of producing:

- o perfect replicas of the entire set of original Tri-ang Minic ship and harbour models,

- perfect replicas of the plastic components as replacement parts,
- new models of modern ships in a similar style to complement the original models,
- new models of modern harbour accessories in a similar style to enhance the original display layouts.

The company has issued what are indeed perfect replicas of some of the original harbour accessories plus replacement plastic components for various naval ships and harbour models. The aim here is to help collectors restore some of those original Triangs to their former glory. The whole range is being handled by at least two UK dealers both of whom regularly attend the Theale swapmeets and for information direct from source try an email to [sales@triangminicships.com](mailto:sales@triangminicships.com). The harbour accessories and replacement plastic components are listed in the tables.

M836	Quay Straight	3 per box	M839	Customs Shed	4 per box
M837	Crane Unit	4 per box	M840	Warehouse	4 per box
M838	Storage Tank	4 per box			
M835	Mixed Accessories	1 each of Crane Unit, Storage Tank, Customs Shed & Warehouse			

#### Replica Harbour Accessories

Carrier masts	4 pieces
Destroyer masts	4 pieces
Set for M741 HMS Vanguard	2 small tripod masts & 2 small cranes
Small ship cranes for M741, M761, M762, M 716, M717	4 small cranes
Large crane for M837 Crane Unit & M885 Floating Dock	4 cranes
Set for M885 Floating Dock	2 dock gates & 2 large cranes.
Set for M855 Tanker Wharf Bert	1 tanker wharf header & 4 pipelines.

#### Replacement Plastic Components

The RN models are in the same style as the original Triangs and were released in nine sets as follows:

- Set 1 – Type 23 Frigates: N730-3: HMSs Norfolk, Argyll, Lancaster & Marlborough;
- Set 2 – Type 42 Batch III Destroyers: N751-4: HMSs Manchester, Gloucester, Edinburgh & York;
- Set 3 – Type 22 Batch III Frigates: N721-4: HMSs Cornwall, Cumberland, Campbeltown & Chatham;
- Set 4 – Type 42 Batch II Destroyers: N746-9: HMSs Exeter, Southampton, Nottingham & Liverpool;
- Set 5 – HMS Invincible set: N700 HMSs Invincible, N741 Cardiff (Type 42 Batch I), N770 HMS/ms Vanguard & N790 Trafalgar;
- Set 6 – HMS Albion set: N710 HMSs Albion, N765 Brecon, HMS Ledbury, HMS Sandown, N761 Inverness & N771 HMS/m Victorious;



**Triang Minic Ltd HMS Gloucester**

- Set 7 – HMS Illustrious set: N700 HMSs Illustrious, N742 Newcastle (Type 42 Batch I), N772 HMS/ms Vigilant & N791 Turbulent;
- Set 8 – HMS Bulwark set: N711 HMSs Bulwark, N767 Cattistock, N768 Cottesmore, N762 Walney, N763 Bridport & N792 HMS/m Tireless;
- Set 9 – HMS Ark Royal set: N700 HMSs Ark Royal, N743 Glasgow (Type 42 Batch I), N773 HMS/ms Vengeance & N793 Torbay.



**Triang Minic Ltd HMS Argyll**

The RN ship types have also been released individually, or in the case of submarines and minesweepers in sets, as generic models (i.e. no pennant number). There are also three boxed sets – S700 Carrier Strike Command Set, S710 Assault Task Force Set and S730 Naval Harbour Set. Later releases were merchant ships SS President Buchanan, SS Volunteer Mariner, MV Table Bay and MV City of Durban (all of which can be viewed at [www.triangminicships.com](http://www.triangminicships.com)) and various modern USN ships as illustrated below – USS Nimitz has an alternative bridge for the Ronald Reagan; the two sets comprise USSs Avenger & Agile (S860) and USSs Ohio & Los Angeles (S890). There are two more CVNs plus, pennant numbers apart, five identical Ticonderogas, five Spruances, five Arleigh Burkes and five OH Perrys. Other releases are small harbour craft and light vessels. So far in 2012 we have generic merchantmen in the colours of different shipping companies, plus some large (and even larger – post Panamax) container cranes. Late 2012 releases were an Aframax oil tanker & Capesize bulk carrier each in four different company colours. Latest as of early 2014 was an RN Type 45 destroyer.



Panamax container cranes with GM C Texas

Harbour Accessories	US Navy Ships	Royal Navy Ships
S 827 Breakwater Set	P 800 USS Nimitz CVN 68	P 700 Invincible Class Aircraft Carrier
S 837 Mixed Accessory Set	P 820 USS Bunker Hill CG 52	P 710 Albion Class LSD
S 854 Tanker Wharf Set	P 830 USS Spruance DD 963	P 720 Type 22 Batch 3 Frigate
M 836 Quay Straights	P 840 USS Winston Churchill DDG 81	P 730 Type 23 Frigate
M 837 Crane Units	P 850 USS Boone FFG 28	P 745 Type 42 Batch 2 Destroyer
M 838 Storage Tanks	S 860 USN Minesweeper Set	P 750 Type 42 Batch 3 Destroyer
M 839 Sheds	S 890 USN Submarine Set	S 760 RN Minesweeper Set
M 840 Warehouses		S 770 RN Submarine Set
	<b>Merchant Ships</b>	
	P 610 Cargo Ship	
	P 622 Container Ship	

S 890 USN Submarines

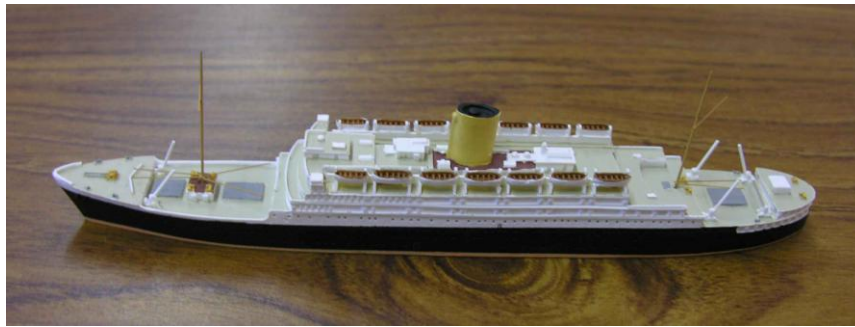
## WASS-LINE

These are fully painted resin models with as far as is known just two releases to date – Cressida (Kirsten Line) and Romanby (Ropner Shipping, 1928).

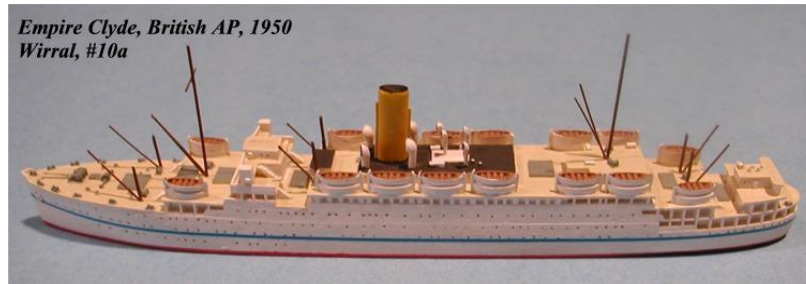
## WMS (WIRRAL MINIATURE SHIPS)

Originally selling assembled & painted Len Jordan models using at one time the trade name ‘Britannic’, WMS are now producing their own resin models for example the Mersey steam barge Anderton, freighter Cuddington (1948), chemical tanker Saint Kearan (1978) & Malvern Prince (1970). Most recent (2015) is WMS33 Caledonia (1962). WMS also have the Portside Accessories series of harbour buildings and in mid-2005 started re-mastering and issuing the Degen/Hein Muck range which is described elsewhere.

As of 2013 AH models became the sole manufacturer in the UK of Len Jordan, Hein Muck (aka Degen) and Wirral Miniature Ship model kits.



**WMS HM/Degen Andes (Royal Mail Line, 1939)**



**WMS Empire Clyde (courtesy '1250scale')**

Latest models (as of June 2016) are three based on the Blue Funnel Sarpedon class of 1923, namely as a standard cargo vessel (WMS 34), as an armed version during WW2 (WMS 35) and Patroclus as an Armed Merchant Cruiser (AMC) in WW2 (WMS 36).



**WMS HMS Patroclus- AMC (courtesy Mike Costello)**

## CHAPTER 3 CONTINENTAL MANUFACTURERS

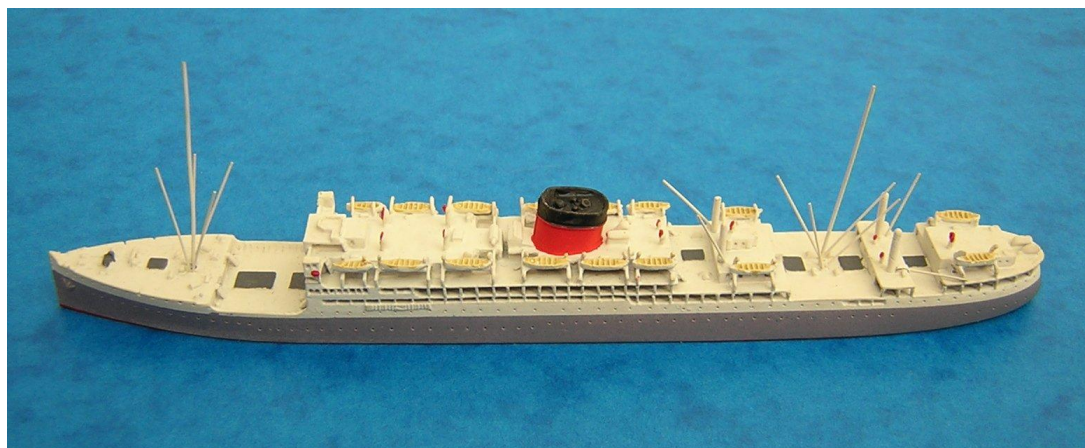
For convenience this chapter has been subdivided into three sections dealing respectively with the major volume producers, the smaller yet still important sources, and finally 'others'. This latter category includes manufacturers whose output is minute, or of whom very little is known and availability correspondingly poor, with just a few words for each. The Hamburger Rundbrief often included new, probably one man, manufacturers whose models were very unlikely to be seen outside Germany; however all those who produce British ships (as far as is known) are mentioned below.

### MAJOR MANUFACTURERS

#### ALBATROS

Albatros are perhaps the premier manufacturer for UK collectors with extensive ranges of British merchantmen from the period 1890 to 1970, and modern Royal Navy warships & auxiliaries. The quality of production is uniformly high as is the painting. Over 250 merchant ships have been produced over the years with many unfortunately discontinued. It is sometimes possible to find these models at swapmeets, although not too many collectors are prepared to part with them. For warships the outlook is considerably better which is most fortunate because in addition to a substantial number of Bundesmarine vessels and several Dutch ships, Albatros produce arguably what has become the definitive range of modern RN warships in the ALK series. 2015/16 saw the the first of various 1982 Falkland War STUFT vessels.

Annex B includes complete lists (to date) of RN & RFA ships, British merchantmen in civilian guise and as called up for military service. The web site is [www.albatros-miniaturen.de](http://www.albatros-miniaturen.de).



**Albatros Winchester Castle (Union Castle Line, as in 1939)**



**Albatros K series HMS Albion**

#### ARGONAUT

Argonaut were warship manufacturers in the Navis/Neptun mould, specialising in the period 1930 to 1945 and provided at one time interesting coverage of the Royal Navy, and increasingly the USN (24 models listed), French (15), Italian (36), Dutch (44), Swedish (22), Finnish (9) and Spanish (34) Navies. At its peak the original range totalled some 300 models and included many unusual vessels hitherto not readily available elsewhere, 'foreign' examples being USS Wisconsin (1954 appearance, since covered by Neptun), French battleships Paris and Bretagne, and almost the entire pre-war Spanish Navy. Many of the original models were deleted and the final catalogue was somewhat reduced in size; the good news is that later releases were to a uniformly better standard; for British ships catalogue numbers prefixed 10 indicate an improved version of an earlier model; in some instances model name has also been revised, often from a class to a particular ship. Last releases included an number of Argentine ships including the last two 'unmodelled' battleships Moreno and Rivadavia (although there was an impossibly rare Star version of the latter). The quality of the original models was inconsistent if generally good, although not to Neptun standard. As of 2014, some RN ships were being re-issued by Optatus and WDS.



**Argonaut Argentinian battleship Moreno**

Argonaut's final ventures featured warships from Portugal, Greece, Turkey, Norway (14 models), plus several South American navies including Brazil (11) and Argentina (21) covering all types from Battleships to patrol vessels.

### RN Models in the Original Series

As the original models do appear second-hand it was thought worthwhile to include a summary of British models produced; in total some 200. The RN selection includes nearly two dozen capital ships, some 40 cruisers and a substantial number of destroyers, frigates and auxiliaries. Many of the latter are unique to Argonaut and are unlikely to be even considered for production by other manufacturers. Models of capital ships are listed below; the missing ship in the sequence, HMS Argus, is available from Navis. Two other particularly interesting ex-battleships are the target ship Centurion and the gunnery training ship Iron Duke. The cruiser fleet includes the Hawkins class, seven different Counties, including HMS London following modernisation and at least one representative of every class from the Cs of 1916 to the Fijis and Didos built during WW2, including the two old Australian ships Brisbane and Adelaide. Amongst the last releases were HMS London, 1942 (A 1114) and HMS Swiftsure, 1944 (A 1230), the latter in the past only ever having been produced by Triang. Of smaller warships there are some 40 destroyers, 20 submarines, the latter including such 1920s/30s types as X1 and the O, P, R, Thames and Porpoise classes. Depot and repair ships are a speciality of Argonaut with such ships as Medway, Maidstone and Vindictive.



**Argonaut HMS Iron Duke (gunnery training ship)**

Warspite	1931	AR122	after 1 <sup>st</sup> modernisation	Resolution	1939	AR47	
Barham	1935	AR34	after 1931-34 refit	Repulse	1939	AR1065	
Rodney	1935	AR35		Renown	1939	AR1076	
Revenge	1935	AR42		Ramillies	1939	AR115	
Royal Sovereign	1935	AR43		Valiant	1940	AR75	) after reconstruction
Malaya	1938	AR46	after 2 <sup>nd</sup> modernisation	Queen Elizabeth	1941	AR88	) 1937/39 & 37/40
Warspite	1938	AR74	after 2 <sup>nd</sup> modernisation				
Eagle	1937	AR51		Illustrious	1940	AR95	
Ark Royal	1939	AR94		Formidable*	1941	AR143	
Hermes	1939	AR127		Unicorn	1943	AR163	
Furious*	1939	AR99		Indomitable	1943	AR144	
Glorious	1939	AR100					
Courageous*	1939	AR105					* re-issued by Optatus



**Argonaut French battleship Provence**

### **USN Models in the Original Series**

About twenty six models were produced, mainly patrol vessels, minesweepers and some destroyers. The larger ships were: Nevada (as in 1941), Oklahoma (1941), Pennsylvania (1939), New Mexico (1936), Mississippi (1936), New Jersey (1944), Wisconsin (1954), Lexington (1939), Saratoga (1944), Salt Lake City (1934), Chester (1934), Augusta (1936), Portland (1933), Indianapolis (1934), Atlanta (1942) & San Diego (1944). The dates will help with comparisons with the Neptuns.



**Argonaut USS Mississippi**

### **ARGOS**

This range continues to expand and is the major source for ships of the modern USN. To accompany these there is a series of accessories (the Z series) – aircraft, helicopters, helo rotor blades, amphibious vehicles plus for other Navies an AB 212 ASW helicopter (to go aboard the Turkish MEKO frigate Salih Reis); this particular model (catalogue AS-Z 40) is available and is supplied fully painted, several to a box (3 in this instance), as are all of the Z series. Shown for future release are Z 42a a Sea King CH-124 in Canadian colours and Z 42 which is a box of 3 RN Seakings, 2 HAS Mk 5 and an AEW Mk 2; one can only wonder what ships Argos has in mind with the latter although they would look good on any of the CVSs from Albatros. The S series (models 01-S to 12-S) are small warships from the period 1796 – 1865 with all but three released; examples are the French privateer Le Fortune (1805) and the Prussian schooner Frauenlob (1856). The P series are based on models cast for the shipyards in Germany and comprise only two: 01-P a 1997 MEKO A-200 frigate and 02-P the 1998 Frigate 124 design for the German Navy; however beware of the latter because the scale is 1/1000. Other models in the main AS series include German warships, auxiliaries and merchantmen of all eras, plus various modern frigates such as the MEKOs operated by Australia, Portugal and Turkey (all of which are available) plus some earlier Belgian & Portuguese types. British vessels comprise The Piercer (AS 9a, 1805 brig), HMS Campbeltown (AS 38), Fairmile B (AS 38a, 2 boats), MTB 74 & MGB 314 (AS 38b), Empire Mordred (AS 39, Empire 'B' freighter, 1942), Orari (AS 40, reefer, NZ Shipping Company, 1931) and Salween (AS 41, passenger ship, British & Burmese Steam Navigation Co., 1938). Of the British models, Ass 9a, 38, 38a and 38b have been released, with the latter three all depicting the vessels concerned at the time of the raid on St Nazaire in 1942. There is also a developing Russian series offering submarines and ships of the Udaloy II, Krivak I and II classes. Latest is the Piotr Veliky (see also Mike's Modelle).



**Argos USS Arthur W Radford**

Two ship models have been discontinued and depending on your interests may have become instant collectors items – catalogue number AS 2 Wielingen (Belgian frigate as in 1978) and AS 21b KT-14 (1944 German transport); fortunately AS 2a Wandelaar shows the class as in 1991 and AS 21 & 21a are still available so all is not lost. As can be seen Argos are very keen on detail and often cover the variations found within a particular class from when first in-service through different modifications over the years. Model AS 1999, the USS Arthur W Radford was a special release to commemorate Argos' first decade; it was a limited production run in 1999 only, so if you've not got one already it may be too late – however Hobby Boss have come to the rescue (see Plastic kits). The web site is [www.uss-argos.com](http://www.uss-argos.com).



**Argos Russian destroyer Admiral Chabanenko (Udaloy II)**

### CARAT & CSC

Carat are top quality models produced in Hamburg; first releases were German 1905 small liner President, 1992 Scandinavian Seaways ferry Winston Churchill, 1993 Dutch ferry Princesse Ragnhild and 1955 German freighter Birkenstein. British ships plus a couple of Stena Line ships are in the tables below. The Bowes Castle was operated by James Chambers from 1920 – 31; New Generation was owned by James Fisher & Sons, Ro-Ro, 1966.



**GM Carat Winston Churchill**

Carat also have the most superb model of Cunard's Sylvania although representing the ship in 1994 after several changes of ownership and under charter to a German company with the name Albatros. Similarly P&O's Spirit of London (later Sun Princess) may be found in her mid-1990's guise as CTC's Southern Cross. This range was originally known as GM Carat.

'OLDER SHIPS'						
C 007A	Bowes Castle	1920	freighter	C 056	Dunvegan Castle	1900 liner
C 020	Victoria & Albert	1901	Royal Yacht	C 060	Titanic	1912 liner
C 022	Circassia	1937	liner	C 063	Arawa	1884 liner
C 025	Servia	1881	liner	CSG 3	Cutty Sark	1869 Clipper
				CSG 7	Thermopylae	1868 clipper

'MODERNS'						
C 015	New Generation	1990	Ro-Ro	C 055	British Hunter	1997 tanker
C 043	Stena Fantasia		ferry	C 057	Pride of Flanders	1986 ferry
C 044	Barfleur	1977	ferry	C 062	Southern Cross (1972)	in 1995 liner
C 046	Stena Challenger		ferry	C 065	British Strength	1998 tanker
C 050	Loch Rannach	1998	tanker	C 085	Custodian	1961 freighter
C 051	Europic Ferry	1968	ferry	C 089	Resolution	2004 low loader

CARAT FERRY CLUB						
CFC 008	Stena Sea Lynx II	1996	ferry	CFC 010	Bison	Ro-Ro
				CFC 015	European Seaway	1991 Ro-Ro



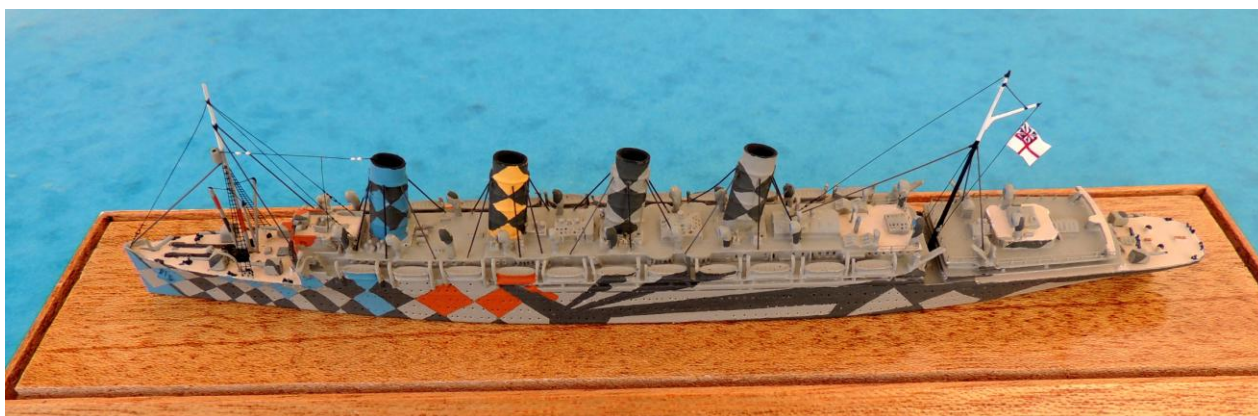
**Carat Pride of Flanders**

Originally produced in conjunction with Carat, for a while operating independently, but apparently together once again are Classic Ship Collection (CSC); these are very high quality models with levels of detail hitherto not seen in 1/1250. The CSC catalogue (check [www.classic-ship.de](http://www.classic-ship.de)) currently runs to 100 + models and most are available either waterline or full hulled, with the latter supplied in a quality wooden display case. Some notable American ships are the liners United States (CS 004) & America (CS 022) plus USS Enterprise, as in 1974 (CS 047). British owned/operated ships include:

000 Titanic (1912)	026 Great Eastern (1859)	034 Canberra (1961)
002 Queen Mary (1936)	027 Empress of Britain (1931)	039 British Progress (1948 tanker)
009 Queen Elizabeth 2 (1969)	028 Aquitania (1914)	050 Caronia (ex Vistafjord) (1999)
013 Queen Elizabeth (1940)	029 Olympic (1912)	094 Queen Mary 2 (2004)
021 Mauretania (1907)	031 Servia (1881) (as C 025)	
024 British Hunter (as C 055)	032 Loch Rannoch (1998 BP tanker)	



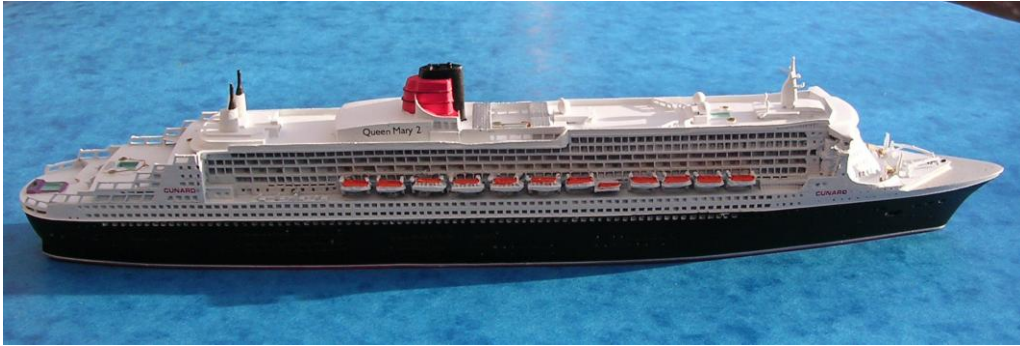
**CSC Queen Mary (Cunard, 1936)**



**CSC Mauretania (RN, 1917) (painted by Hans Mehl)**

## CM

CM breaks down into three main groups known as 'CM', 'CM KR' and 'CM Poseidon'. The first of these concentrates almost exclusively on pre-war German merchantmen, with about 300 models produced to date. The KR group holds great interest to UK collectors as illustrated by the following table. Some interesting releases from CM-P various troop ships (as in the table) and modern warships such as Admiral Kuznetsov (Russian aircraft carrier), USS Theodore Roosevelt (P-1017), USS Tarawa (P-1000), USS Wasp (P-1002), USS Guadalcanal (P-1005), USS Enterprise (P-1016), USS Abraham Lincoln (P-1018) and USS Forrestal (P 1010). Also produced are several floating drydocks including Blohm & Voss number 11 as used during a refit of the QE2 (CM Z11) and a lower hull section for the liner. The latter is designed for the CM-KR model of the QE2 and is about 4mm too short for the Skytrex/Mercator version (catalogue no. M921), although when together in the dock this is not too obvious. Hansa's version of the QE2 has a waterline length some 3mm less than M921 and this total difference of 7mm makes it impossible to use KR61A with the Hansa model.



**CM KR Queen Mary 2 (Cunard, 2004)**

There are also Italian, American and even Soviet passenger ships, and all the models are to a high standard. American merchant vessels comprise George Washington (as in 1930), CM 60a, Manhattan (1932), CM 220, Republic (1924) CM 221, United States (1952), CM KR 71 & American Challenger (1962), CM KR 74.

CM Poseidon embraces a number of unusual warships from the 1930s, the majority belonging to the Royal Thai Navy, and also a variety of sailing ships from the Cutty Sark to the Sir Winston Churchill; also listed are the Japanese liner Hikawa Maru, in two guises, and a couple of pre-war German tankers. CM 94 GM Cap Polonio (ex Hamburg-South America Line Vineta) was a special model produced on behalf of the Galerie Maritim shop in Hamburg.



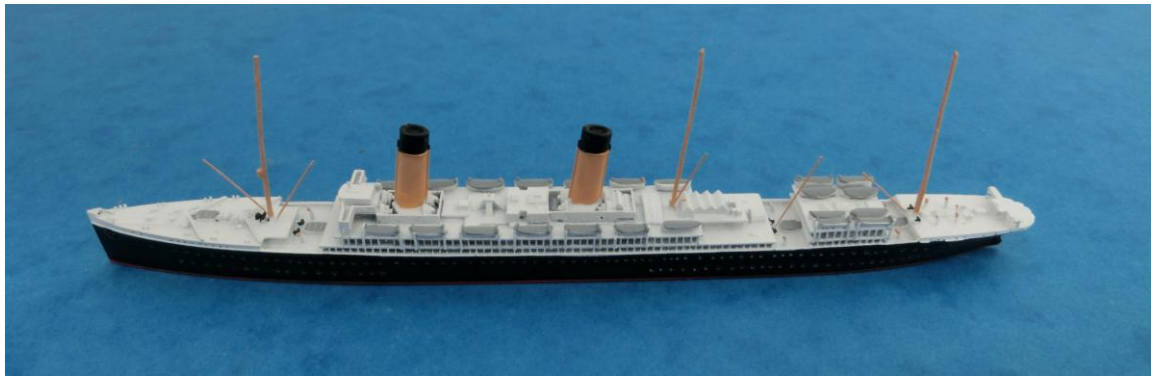
**CM Cap Polonio (Union Castle, 1919)**

CM also produce under licence a number of 'G' models including 7 British liners from the period 1899 to 1931; full details can be found in the entry for 'G'. CM's website is [www.cm-miniaturen.de](http://www.cm-miniaturen.de).

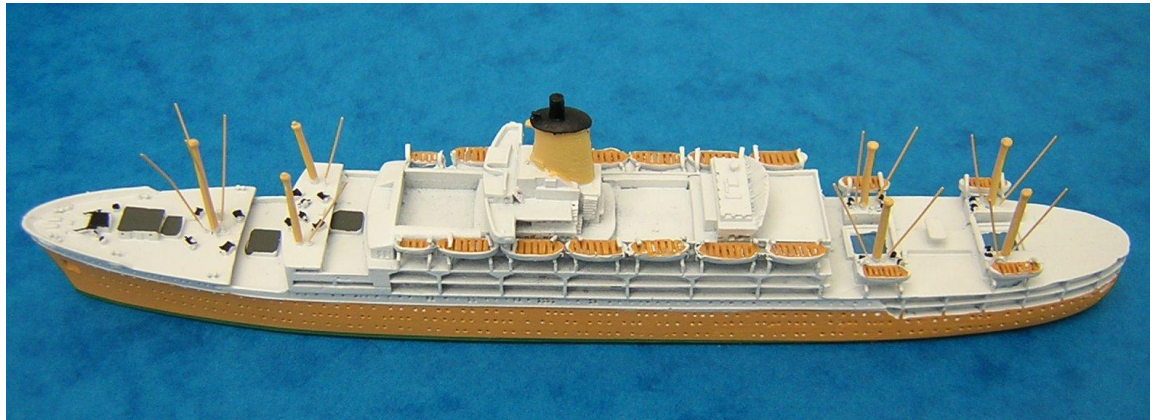


**CM City of Christchurch (Ellerman, 1929)**

CM Series	<i>(italics = not yet released)</i>						
CM143	Californian	1902	Leyland	CM156	Aquitania	1914	Cunard
CM144	Olympic	1913	White Star	CM156a	Aquitania	1915	Transport
CM145	Oceanic	1899	White Star	CM156b	Aquitania	1916	Hospital ship
CM146	Britannic	1931	White Star	CM156c	Aquitania	1948	Transport
CM147	Georgic	1931	White Star	CM157	<i>Mauretania</i>	1907	Cunard
CM148	Titanic	1912	White Star	CM158	<i>Lusitania</i>	1907	Cunard
CM149	Homeric	1922	White Star	CM165	Empress of Scotland	1922	Canadian Pacific
CM150	Majestic	1922	White Star	CM209	Southwold Belle	1900	
CM151	Berengaria	1922	Cunard	CM210	City of Dunedin	1919	Ellerman
CM152	Mauretania	1939	Cunard	CM211	City of Christchurch	1929	Ellerman
CM152a	Mauretania	1962	cruising colours	CM212	City of Boston	1922	Ellerman
CM153	Queen Elizabeth	1946	Cunard	CM213	Capetown Castle	1938	Union Castle
CM154	Queen Mary	1939	Cunard	CM214	Stirling Castle	1935	Union Castle
CM155	Carpathia	1902	Cunard	CM252a	Empress of China	1921	Canadian Pacific



**CM G Oceanic (White Star, 1899)**



**CM KR Orsova (Orient Line, 1954)**



**CM KR Caronia (Cunard, 1948)**



**CM KR Bloemfontein Castle (Union Castle, 1950)**

<b>CM KR Series</b> ( <i>italics = not yet released</i> )							
KR50	Edinburgh Castle	1947	Union Castle	KR323	Queen Mary 2	2004	Cunard
KR51	Pendennis Castle	1957	Union Castle	KR325	Queen Victoria	2008	Cunard
KR52	<i>Windsor Castle</i>	1960	Union Castle	KR325	Arcadia (IV)	2005	P&O Cruises
KR53	Transvaal Castle	1961	Union Castle	KR389	Iberia Star	1963	Blue Star
KR54	Southampton Castle	1965	Union Castle	KR390	Trojan Star (II)	1976	Blue Star
KR55	Reina del Mar	1955	Pacific Steam Nav Co.	KR399	Tantalus	1960	Blue Funnel
KR56	Bloemfontein Castle	1950	Union Castle	KR400	Kenya Castle	1958	Union Castle
KR57	Rhodesia Castle	1951	Union Castle	KR441	Reina del Mar	1964	Union Castle
KR58	City of Port Elizabeth	1952	Ellerman	KR442	Athlone Castle	1947	Union Castle
KR59	Centaur	1963	Blue Funnel	KR446	Cathay	1961	P&O
KR60	Caronia	1948	Cunard	KR447	Arcadia (III)	1997	P&O
KR61	Queen Elizabeth 2	1987	Cunard	<i>KR448</i>	<i>Adonia</i>	2011	P&O Cruises
KR61a	lower hull for 61	1990		<i>KR451</i>	<i>Sagafford</i>	1983	Cunard
KR61b	Queen Elizabeth 2	1994	Cunard	<i>KR452</i>	<i>Vistafford</i>	1983	Cunard
KR62	Orsova	1954	Orient	KR453	Andria	1976	Cunard
KR63	Ocean Monarch	1951	Furness Withy & Co.	KR454	Alsatia (II)	1951	Cunard
KR64	Southern Cross	1954	Shaw Savill & Albion		<b>CM-P Series</b>		
KR65	<i>Northern Star</i>	1961	Shaw Savill & Albion	P 30	Queen Mary	1945	troop ship
KR66	Orcades	1948	Orient	P 31	Queen Elizabeth	1945	troop ship
KR66a	Orcades	1962	P&O-Orient	P 32	Mauretania	1945	troop ship
KR67	Canberra	1961	P&O	P 33	Stirling Castle	1940	troop ship
KR68	Star Princess	1990	P & O Princess	P 35	Capetown Castle	1940	troop ship
<i>KR69</i>	<i>Royal Princess</i>	1984	P & O Princess	P 38	Justicia (camo)	1917	troop ship
KR89a	Dawn Princess	1988	P & O Princess	P 39	Olympic (camo)	1918	troop ship
KR277	Crown Princess	1991	P & O Princess	P 1220	HMS Audacity	1941	escort carrier
KR322	Queen Elizabeth	2010	Cunard		<b>CM 'special'</b>		
				94 GM	Cap Polonio	1919	Union Castle



**CM KR City of Port Elizabeth (Ellerman, 1952)**



**CM KR Dawn Princess (P & O Princess Cruises) and Albatros Carmania (Cunard)**

## DELPHIN

One of the cheaper ranges, no longer in production although some of the models were re-released by Hansa some years ago. 162 ships and 9 aircraft were actually produced by Delphin before production finally ceased, the ships primarily warships from World War 2, the 1950s and 1960s. Although not in the class of most of the other makes, certain original Delphins have become quite collectable, simply because some of the ships covered are not readily available from other sources. Delphin were unique in their coverage of 1960s/70s warships and auxiliaries so various tables list models in this category, with the exception of the German Federal Navy (Bundesmarine) which is best left to Albatros. British & Commonwealth ships which are included the first table. Apart from D63, D74 and D89, the latter are to a reasonable standard. As they are not too expensive Delphins can be used for conversions, for example as illustrated overleaf.



**Delphin Zdanov converted to Admiral Senjavin**



**Delphin HMCS Algonquin**

D15	HMS Ashanti	Tribal class frigate	D89	HMS Delhi	1943 light cruiser (post US refit)
D43	HMS Milne	1941 destroyer	D110	HMS Vanguard	last RN battleship
D63	HMS Leander	1933 light cruiser	D115	HMS Hermes	1924 aircraft carrier
D67	HMS Nelson	1944 battleship	D121	HMS Amazon	Type 21 frigate
D74	HMAS Sydney	1934 light cruiser	D129	HMS Sheffield	Type 42 destroyer
D83	HMS Undine	1960 frigate	D134	RFA Sir Percival	LSL
			D135	HMCS Algonquin	missile destroyer

Delphin British & Commonwealth ship models



**Delphin RN Tribal class frigate**

D19	Hajen	Swedish sub	D97	Oland	Swedish destroyer
D20	Ostergotland	Swedish destroyer	D99	Yamagumo class	JMSDF destroyer
D24	Andrea Doria	Italian missile cruiser	D127	Tourville	French missile frigate
D32	Amatsukaze	JMSDF destroyer	D136	Tromp	Dutch missile frigate
D38	Bellona	Danish frigate	D139	Circe	French minesweeper
D52	Suffren	French missile frigate	D143	D'Orves	French missile corvette
D58	Hai class	east German sub chaser	D148	Chikugo class	JMSDF frigate
D73	De Grasse	1955 French light cruiser	D153	Lupo class	Italian missile frigate
D94	Minegumo class	JMSDF destroyer	D155	Jean Bart	1958 French battleship
D96	Takatsuki class	JMSDF destroyer	D158	Wodnik	Polish training ship

Delphin 'other' modern warship models

D3	Kynda	1961 missile cruiser	D116	Kresta II	missile cruiser
D11	Osa class	missile boat	D117	Nikolaev	Kara class cruiser
D12	G class	submarine	D118	Grisha	patrol boat
/1	G class	sub, launching missile	D120	Krivak I	missile frigate
D25	Kashin I class	missile destroyer	D123	Boris Chilikin	replenishment ship
D37	Uda class	supply ship	D126	Nanuchka	missile corvette
D45	Don class	sub depot ship	D128	Juri Gagarin	space tracking ship
D48	Poti class	escort	D132	Ugra	repair ship
D55	Kresta I class	missile cruiser	D141	Kashin II	missile destroyer
D64	Moskva	helicopter carrier	D142	Kiev	aircraft carrier
D69	W class	missile submarine	D144	Ropucha	landing ship
D112	Kanin	missile destroyer	D150	D class	nuclear powered sub
D113	Zdanov	command cruiser	D154	Dnjepr II class	repair ship
D114	Y class	nuclear powered sub	D157	Aysberg	icebreaker

Delphin Soviet modern warship models



**Delphin Soviet cruiser Kynda**

D2	USS Worden	1961 missile destroyer	D122	USS Newport	with pontoons
D4	G. Washington	1959 nuclear powered sub	D125	USS Spruance	missile destroyer
D26	USS Bainbridge	missile cruiser	D138	USS Belknap	missile cruiser
D76	USS Dealey	1958 frigate	D140	USS California	missile cruiser
D122-0	USS Newport	landing ship	D149	O H Perry	frigate

Delphin USN modern warship models

**“G” (THE MODELS OF GEORG GRZYBOWSKI)**

A range of good quality merchantmen including many British ships; originally produced in limited quantities but currently being reissued under licence by CM (as CM-G) and Rhenania (as GLR). Apparently a couple may have been produced on behalf of G by Mercator. As can be seen from the illustrations earlier models such as the Rawalpindi are fairly basic but the later releases, including those re-issued, are excellent. Shieldhall, pictured below, is a former Glasgow Corporation sludge carrier now preserved at Southampton well worth a visit.

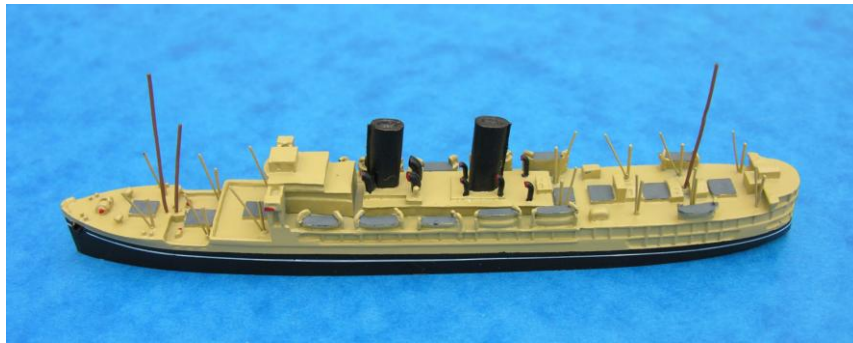


**G Shieldhall takes a trip past Pharos' Needles**

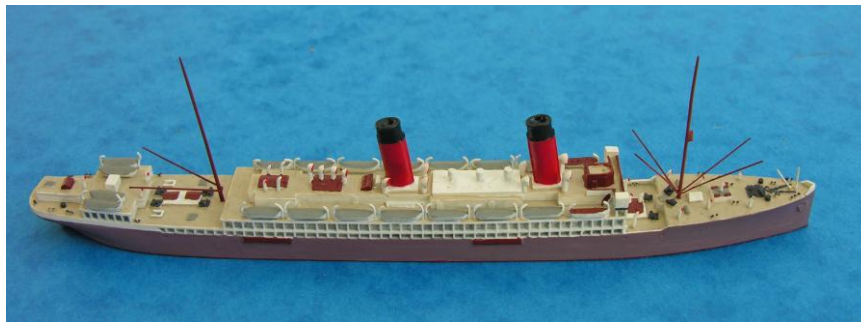
A list of known original models of British ships, with re-issues to date, follows. Rhenania have taken the opportunity to create 'new' re-issues by modifying and repainting various models.

G Cat	Name	Date	Shipping Line	Re-issue
03	Speybank	1926	Bank Line	
04a	Glenroy	1938	Glen Line	
04b	Glenroy (camo)	1940		
05	Port Chalmers	1933	Port Line	
07	Adelaide Star	1939	Blue Star	

08	Rochester Castle (grey)	1939		
08a	Rochester Castle	1937	Union Castle	
10	Clan Forbes	1938	Clan Line	
13	Duchess of Bedford	1928	Canadian Pacific	
14	Jervis Bay	1922	Commonwealth Government Line	
14a	Arawa (ex Esperance Bay)	1936	Australian Government Line	
14b	HMS Jervis Bay (AMC)	1939		
15	HMS Rawalpindi (AMC)	1939		
15a	Rawalpindi	1925	P&O	
17	Laconia (II)	1923	Cunard	
21	Ceramic	1913	White Star	
22	Circassia	1938	Anchor Line	
23	Warwick Castle	1930	Union Castle	
23b	Warwick Castle	1938	Union Castle	
31	Shropshire	1926	Bibby	Mercator?
34	Orion	1935	Orient Line	
34b	Orion (troopship)	1942		
37	Empress of India	1891	Canadian Pacific	GLR 8
--	Empress of Japan	1892	Canadian Pacific	GLR 8b
--	Loyalty (hospital ship)	1914		GLR 8c
38	Romanby	1927	Ropner	
39	Miltiades	1903	Aberdeen & Commonwealth Line	GLR 5
40	Norman	1894	Union Line	GLR 10a
--	Norman	1904	Union Castle	GLR 10
--	Norman (troop ship)	1914		GLR 10b
43	Isle of Jersey	1930	Southern Railways	GLR 18
--	Isle of Jersey	1934	Southern Railways	GLR 18a
--	Isle of Jersey (hospital ship)	1946		GLR 18b
--	Isle of Guernsey	1946	Southern Railways	GLR 18c
46	Britannic	1931	White Star	G-CM 146
54	Ulysses	1913	Blue Funnel	GLR 9
??	Ulysses (camo)	1916		
??	Nestor	1914	Blue Funnel	
64	HMS Marksman	1915		
66	Balmoral Castle	1910	Union Castle	GLR 11
--	Balmoral Castle (royal yacht)	1910	Union Castle	GLR 11a
--	Balmoral Castle (troopship)	1914		GLR 11b
68	Titanic	1912	White Star	G-CM 148
69	Laconia / Franconia	1912	Cunard	GLR 19a
--	Franconia (troopship)	1915	Cunard	GLR 19b
70	Adriatic	1906	White Star	GLR 14
--	Adriatic (grey)	1917		GLR 14a
71	Teutonic	1890	White Star	GLR 15
72	Majestic (I)	1903	White Star	GLR 2
73	Homeric (ex Columbus)	1920	White Star	G-CM 149
74	Carmania	1905	Cunard	GLR 16
--	HMS Carmania (AMC)	1914		GLR 16b
74a	Caronia	1905	Cunard	
--	Caronia (troopship)	1914		GLR 16a
--	HMS Caronia (AMC)	1914		GLR 16c
--	HMS Caronia (camouflaged)	1914		GLR 16d
75	Oceanic	1899	White Star	G-CM 145
76	Carpathia	1903	Cunard	GLR 13
--	Carpathia (troopship)	1914		GLR 13a
77	Aquitania	1913	Cunard	G-CM 156
--	Aquitania (hospital ship)	1916		G-CM 156b
--	Aquitania (camo)	1915		G-CM 156a
--	Aquitania	1948	Cunard	G-CM 156c
80	Majestic (ex Bismarck)	1922	White Star	G-CM 150
81	Berengaria (ex Imperator)	1922	Cunard	G-CM 151
85	Shieldhall	1955	Glasgow Corporation	GLR 7
90	Georgic (II)	1932	White Star	G-CM 147
??	Gleniffer	1915	Glen Line	Mercator?



**G Rawalpindi (P & O, 1925)**



**G Balmoral Castle (Union Castle, 1910)**



**G Empress of India (Canadian Pacific, 1891)**



**G HMS Carmania (AMC, 1914)**

## **HAI**

The HAI range of some 600 warship models, although not to the quality of the best continental makes, does contain a host of unusual and interesting ships. In addition to fleet units there are plenty of auxiliary types dating from the turn of the century to the present day. Again many models are quite unique to the range and it is difficult to select just a few for special mention. Let's highlight the aircraft carrier USS Franklin D Roosevelt, RN ironclads Inflexible and Collingwood and USN auxiliaries AB1, ex-USS Kearsage, and Utah. Hai also provide extensive coverage of pre-dreadnought era torpedo boats and, to a lesser extent, cruisers of the RN, French, Italian, and American navies, ideal escorts for Skytrex/Mercator or Navis pre-dreadnought battleships (see Navis review later). Also offered is a unique selection of modern Chinese, Japanese and Italian warships and auxiliaries, which again illustrate the amazing scope of the range.



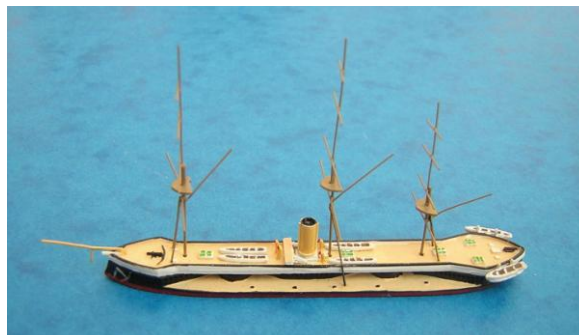
**Hai Giuseppe Garibaldi**

All currently listed models of British and American ships, with catalogue numbers, are given in the following two tables.

22	Roberts	1915	39	PC class	1916	39	PC class	1916
23	Marshall Soult	1915	42	Glatton	1872	42	Glatton	1872
24	M 21	1915	43	Devastation	1876	43	Devastation	1876
24a	M 18	1915	43a	in white/buff		43a	in white/buff	
25	M 29	1915	44	Wodan	1877	44	Wodan	1877
34	P class	1916	45	TB 80	1887	45	TB 80	1887
35	Flower class	1915	50	LCF 4	1942	50	LCF 4	1942
36	Kil class	1917	51	LCT 4	1942	51	LCT 4	1942
38	Coreopsis	1917	52	Havock	1892	52	Havock	1892

Continues:

53	A class destroyer	1896	384	Captain	1871	662	Powerful	1897
59	B class destroyer	1897	397	Audacious	1870	676	Doris	1897
60	Violet	1898	423	Vulcan	1890	677	Encounter	1905
61	D class destroyer	1900	427a	Superb	1880	679	Barham	1891
62	Express	1902	428	Thetis	1892	680	Pearl class	1891
63	E class destroyer	1905	433	Vindictive	1918	681	Highflyer	1899
64	Mohawk	1908	444	Arrogant	1898	684	Crescent	1894
99	Albatross	1897	451	Cyclops	1877	752	Centurian	1894
165	Inflexible	1882	454	Medea	1889	754	Mersey	1887
167	Collingwood	1888	456	Dreadnought	1880	757	Barfleur	1904
170	Victoria	1890	505	Benbow	1888	758	Forth	1896
202	Itchen	1904	508	Alarm	1894	758a	Thames	1904
297	Nairana	1944	514	Speedy	1918	754	Mersey	1887
300	Implacable	1945	527	Hotspur	1871	757	Barfleur	1904
309	Gorgon	1914	546	Eclipse	1868	758	Forth	1896
314	Empire McAlpine	1942	547	Warspite	1888	758a	Thames	1904
318	Unicorn	1943	548	Galatea	1894	775	Curlew	1886
322	Apollo	1915	574	Osprey	1877	776	Paluma	1884
350	Pretoria Castle	1942	575	Redbreast	1890	776a	Victoria	1884
361	Pegasus	1914	596	Alexandra	1877	779	Bramble	1898
362	Activity	1941	597	Ajax	1883	788	Trafalgar	1890
381	Hector	1870	598	Diadem	1898	789	Beagle	1889
350	Pretoria Castle	1942	600	Rattlesnake	1887	793	Protector	1895
361	Pegasus	1914	601	Mercury	1879	821	Amphion	1887
362	Activity	1941	602	Blake	1892	822	Talisman	1915
381	Hector	1870	604	Dryad	1895	823	Broke	1914
382	Minotaur	1870	631	Blonde	1890			



**Hai HMS Captain**

54	Bainbridge	1902	425	Castine	1894	513	Baltimore	1918
58	Vesuvius	1890	426	San Francisco	1890	528	Amphitrite, BM2	1895
65	Farragut	1899	429	Helena	1897	528a	Monadnock, BM3	1905
66	Truxton	1902	430	Chicago	1889	529	Arkansas, BM7	1902
67	Lawrence	1903	434	Newark	1891	530	Foote, TB3	1899
68	Stringham	1905	435	Dolphin	1899	535	Utah, AG16	1936
104	Mars	1909	436	Annapolis	1897	542	Monrovia	1944
117	Patoka	1919	437	Wheeling	1897	543	Midway, CVA 41	1970
177	FD Roosevelt	1945	445	Rowan	1898	550	Miantonomoh	1891
178	Sable	1943	446	Nashville	1897	XX-FA	Fort Amsterdam	1943
179	Wolverine	1943	447a	Don Juan de Austria	1900	584	Cincinnati, C 7	1894
187	Utah	1941	448a	Isla de Luzon	1900	585	Bancroft	1893
198	AB 1	1940	449	Dubuque	1944	609	Wampanoag	1868
205	Argonne	1921	450	Dover	1905	610	Idaho	1866
228	Meteor	1975	460	Gloucester	1891	617	Trenton	1877
229	Adm W Callaghan	1968	461	Scorpion	1896	618	Chattanooga	1866
310	Puritan	1896	484	Atlanta	1886	630	George W. Goethals	1942
315	Holland	1926	485	Concord, PG1	1891	659	Housatonic	1862
409	Charleston	1889	501	Comet	1958	660	Lancaster	1859
415	New York	1893	510	Baltimore, C3	1890	661	Katahdin	1896
424	Petrel	1889	512	Albany	1900	666	Lexington	1916



**Hai USS Utah**



**Hai Shirane (JMSDF)**

## **HANSA**

Now discontinued, Hansa was perhaps one of the first German makes to become widely available in the UK, although the models, in Germany at least, are somewhat out of favour when compared to the more sophisticated modern makes. Towards the end Hansa embarked on an upgrade programme with selected ships being re-issued and some new models produced, all to an improved standard.



**Hansa Benledi**

Surveying the original catalogue of some 400 models, Hansa warships included most of the Kriegsmarine and contemporary 1950s/60s Bundesmarine, a few US cruisers of WW2, and from the post war era the RNs Tiger, Blake (as converted) and Fearless, USSs Long Beach (3 versions) Canberra and Leahy. Other NATO and soviet escorts from the 1950s could also be found, and uniquely to Hansa the French strike carrier Clemenceau.



**Hansa Radisson Diamond (later single piece casting)**

The best elements of the range, however, were a huge variety of modern merchant ships, of all nations, including freighters, RO-RO, LASH, container ships, reefers, super tankers, ferries and even some massively impressive ocean-going crane ships. Some were produced with a detachable lower hull for displaying the model in a dry dock. There was also had a good selection of harbour accessories and WW2/modern aircraft to line the decks of carriers.

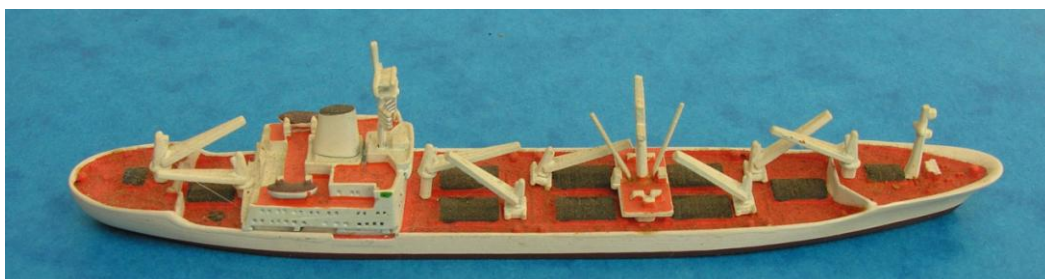


**Hansa Dan Mover with Oden**

A full list of British ships is below, although S199 HMS Hood was never produced; also S276 was originally listed as Mauretania (1) although ultimately the later vessel, of the same name, was issued. S171 is the former Empress of Japan, renamed in 1942. The only British ship produced under the improvement programme was the containership Tor Bay (S10426).

Hansa are currently trading under the owners name 'Conrad' with models listed on German e-bay.

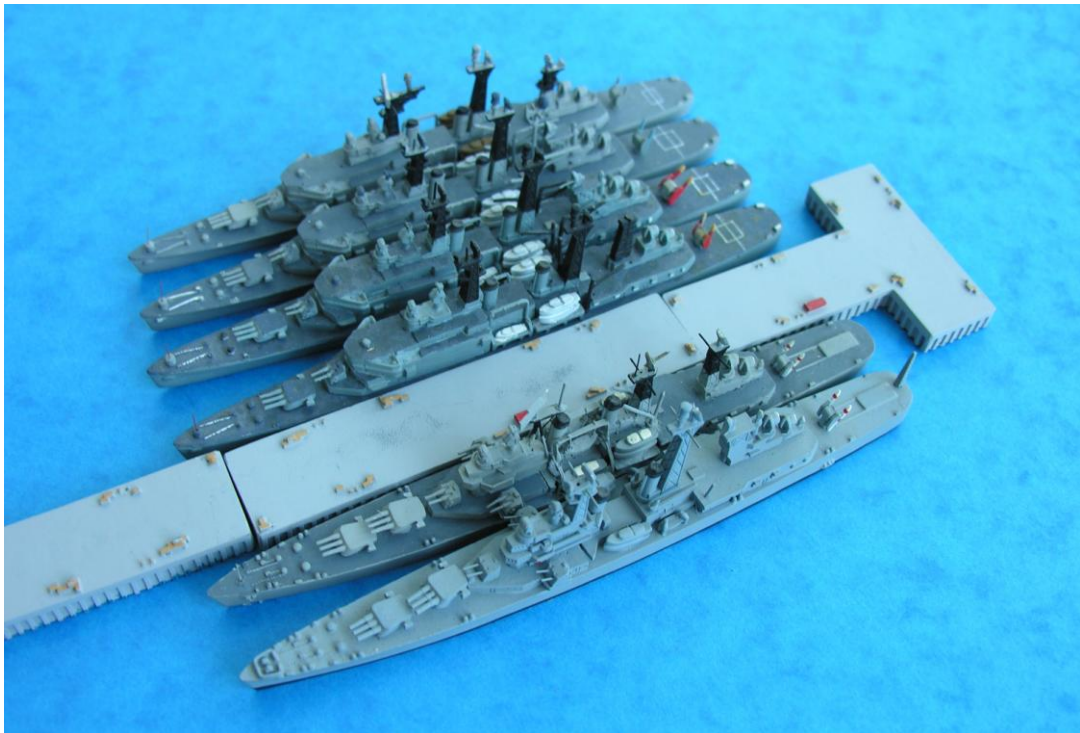
S32	Battle class	destroyer	S200/2	QE II	1983 liner
S57	Pallium	1959 tanker	S213	Free Enterprise II	1966 ferry
S61	HMS Albacore	minesweeper	S214	Hovercraft	1969
S64	HMS Whitby	frigate	S215	HMS Blake	1970 helo cruiser
S75	HMS Tiger	1960 cruiser	S227	HMS Fearless	1969 assault ship
S81	Liberty ship	in civilian colours	S251	HMS Amazon	1974 frigate
S81/I	Liberty ship	in wartime grey	S260	Benledi	1965 freighter
S94	HMS Artful	A class submarine, mod.	S265	Ham class	inshore minesweeper
S102	HMS London	County class destroyer	S268	Strathbrora	1967 freighter
S171	Empress of Scotland	1942 liner	S268/I	Strathardle	1967 freighter
S186	ACT 1	1963 containership	S276	Mauretania (II)	1939 liner
S198	Esso Scotia	1969 tanker	S321	Starman Africa	1977 heavy lift ship
S199	HMS Hood	(not produced)	S334	St. Columba	1977 Sealink ferry
S200	Queen Elizabeth 2	1969 liner	S364	Emadala	1978 Ro-Ro
S200/I	QE2	1982 troop transport	S10426	Tor Bay	1993 containership



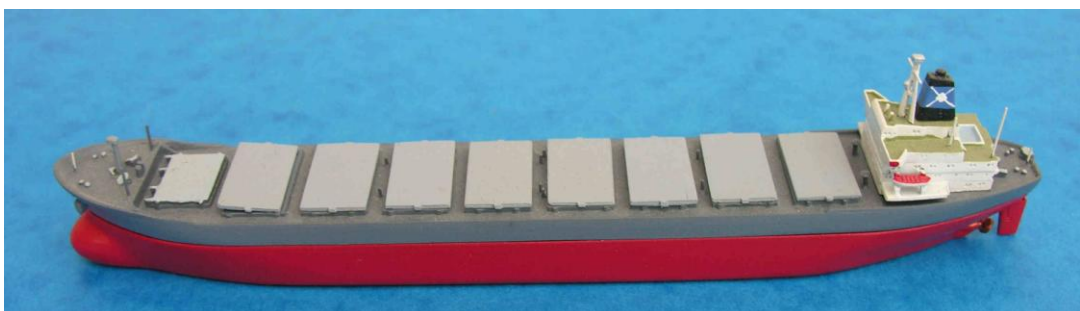
**Hansa Strathbrora, P&O**

American ships modelled were:

S73	USS Talladega	WW2 attack transport	S138	USS Galveston	guided missile cruiser, 1960
S81	Liberty ship	civilian colours	S139	USS Wichita	WW2 heavy cruiser
S81/I	Liberty ship	wartime grey	S140	USS Independence	WW2 light fleet carrier
S88	USS Ashland	WW2 dock landing ship	S140/2	USS Bataan	1943 carrier
S90	USS Worcester	1948 light cruiser	S161	<i>USS Topeka</i>	) <i>guided missile</i>
S101	Long Lines	1963 cablelayer	S162	<i>USS Little Rock</i>	) <i>cruiser conversions</i>
S109	USS Agile	1962 minesweeper	S163	<i>USS Providence</i>	) <i>(none released)</i>
S113	USS Coontz	missile destroyer	S164	Fletcher class	destroyer 1942
S132	USS Boise	WW2 cruiser	S165	Fletcher class	1943
S133	USS Sanannah	WW2 cruiser	S166	Fletcher class	with aircraft
S134	USS St Louis	WW2 cruiser	S167	Sumner class	destroyer 1944
S135	USS Columbia	WW2 cruiser	S168	Sumner class	after FRAM, 1963
S136	USS Miami	WW2 cruiser	S169	Sumner class	destroyer-minelayer, 1944
S137	USS Fargo	1946 cruiser	S174	USS Monterey	1943 aircraft carrier
	continues over:				
S190	USS Wasp	1959 CV (angle-deck)	Delphin re-issues:	(* new model)	
S191/I	USS Hornet	1959 CV (angle-deck)	S405	USS Alabama	1942 battleship
S216	USS Long Beach	missile cruiser, 1975	S406	USS Lexington	1939 aircraft carrier
S231	USS Arlington	1966 command ship	S407	USS Saratoga	1942 aircraft carrier
S231/2	USS Wright	1945 aircraft carrier	S411	USS Langley*	1922 aircraft carrier
S231/I	USS Wright	1966 command ship	S411/I	USS Langley	1937 seaplane carrier
S388	USS Long Beach	1983 cruiser	S412	USS Ranger	1934 aircraft carrier
S390	Margaret Lykes	1963 containership			
S394	USS Stark	1982 frigate			



**Hansa USS Galveston (foreground) , with a conversion & HDS Ensign sister ships)**



**Hansa Tom Jacob (detachable full hull)**

**KLABAUTERMANN**

A top quality range whose first releases were the Danish ferry Djursland and a couple of German liners, all from the 1950s; later releases have been modern Swedish and Finnish merchants and ferries with P & O's St Clair (ex Peter Pan) available in three versions/colour schemes. For British enthusiasts Kla 013 is the 1997 ferry Stena Explorer (now listed as Stena HSS 1); others (all P&O Ferries) are included below.

<b>KLA #</b>	<b>Ship</b>	<b>Built/As in</b>			
8	St Clair	1965/87	26	European Highway	1992/92
8a	St Clair	1965/80	26a	European Pathway	1992/00
8b	St Clair	1965/77	26b	European Seaway	1991/05
8/S1	SF Panther	1965/73	31	Pride of Kent	1992/04
32b	Pride of Bilbao	1986/03	31a	Pride of Canterbury	1992/04



**Klabauterman Pride of Bilbao (P&O, 2003)**



**Klabauterman European Highway (P&O, 1992)**

Their X series covers modern French warships, e.g. Floreal and Georges Leygues with the battleship Jean Bart, circa 1949 listed as X 4 and CVN Charles De Gaulle, which is now available, as X 5.



**Klabauterman French frigate Georges Leygues**



**Klabautermann French aircraft carrier Charles de Gaulle**

**NAVIS/NEPTUN (AND COPY)**

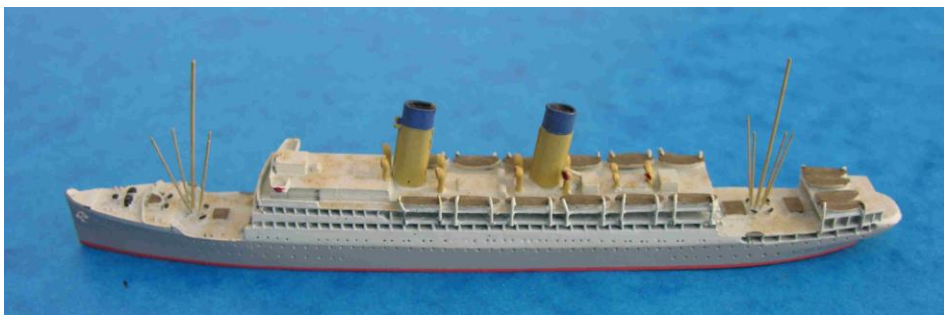
Navis/Neptun are renowned for their high quality warship models, with Navis addressing ships built in the period 1890 to about 1919 (and for the Reichmarine 1920 – 35), and Neptun following on generally as far as 1945 although recent new USN releases have been from the post-war era for example USS Mississippi (EAG-128) as in 1955. Neptun are in fact considerably more detailed than Navis, although this latter part of the range is being slowly re-worked and reissued to Neptun standard. Early versions of some of the Navis models are also still around and the larger ships at least can be identified by their plastic turrets and also by the rather basic ships boats which were often moulded using Eaglewall boats as the masters. Some models can also be found made entirely of plastic. Similarly many of the Neptun models have been re-issued to an improved standard (and have an ‘N’ added to the catalogue number), the older versions often materialising on the second hand market. The survey here is as of 2010; for all the latest check [www.navis-neptun.de](http://www.navis-neptun.de). For hand painted, fully rigged versions of the models go to [www.spidernavy.de](http://www.spidernavy.de).



**Navis HMS Iron Duke (original version)**

From Navis then some 400 models are listed giving comprehensive coverage of the German, British, Japanese, American, Russian and Austro-Hungarian Navies of the pre-dreadnought and dreadnought eras, with a good selection of French & Italian and even a few Brazilian and a single Swedish vessel. With the exception of the Japanese battleship Nagato, which was not completed until 1920, every single dreadnought battleship and battlecruiser class is represented, plus a huge number of other types: pre-dreadnought battleships, armoured cruisers, cruisers, destroyers, submarines and more. It is probably true to say that virtually every important class of World War 1 warship can be found.

For the re-issue programme, priority has been given to German ships although other there are now more a dozen British warships. All re-issues use the original catalogue number suffixed with an ‘N’. Some models have also been produced in Victorian or Tropical livery, no doubt in response to Skytrex’s ‘Mercator’ pre-dreadnoughts. Navis also feature about 20 merchantmen from the period 1890 to 1935; several of these are British and are listed below. This includes the rare Navis ‘Lord Salisbury’ (Yorkshire Steam Fishing Co).



**Navis Royal George (Canadian Northern, 1910)**

NM900	Royal George	1910	Canadian Northern	NM900S	Royal George	1919	Cunard
NM901	Isle of Jersey	1930		NM910	Gloucester Castle	1911	Union Castle
NM902	Campania	1893	Cunard	<u>Early Series</u>			
NM904	Tairea	1924	British India	Navis 7	Lord Salisbury	1911	

## NAVIS WARSHIPS

### Austro-Hungarian Navy

Twenty five models are listed for the Austro-Hungarian Navy, with all but 5 released. Those available include 7 pre-dreadnought & dreadnought battleships, 2 armoured cruisers, 3 cruisers, 2 destroyers, 2 torpedo boats and 1 U-boat. Typically for Navis most of the battleships are from different classes, namely Wien (1895), Habsburg (1902), Erzherzog Karl (1906), Radetzky (1911), to the first and only dreadnought class Tegetthoff (1912). For the latter, the fourth ship was completed somewhat later and with a slightly different appearance so two models are available – Viribus Unitis (1912), representing the first 3 ships & Szent Istvan (1916).

### Brazilian Navy

Just 2 Brazilian ships have been issued by Navis, namely battleship Sao Paulo (NM801) and cruiser Bahia (NM802) (both vessels completed 1910). Models of related interest, although long discontinued, are Sao Paulo's sister-ship Minas Gerais post modernisation circa 1938 (Star model catalogue no. R 75), HL's Brasil (coast defence ship 1865) and the 1937 submarine Tupy (Star R 41). It would seem that no other models of Brazilian ships have been produced.

### Royal Navy

Navis' coverage of the Royal Navy is substantial with some 90 ships listed, only a few of which have yet to be released. Most main classes are represented and the table summarises what has been listed and what has been issued.



Navis HMS Orion (standard version)

Type	Models	Classes	Notes
Pre-dreadnoughts	10	5	from Majestic (1897) to Lord Nelson (1908), 2 in Victorian livery, 1 in Far East colour scheme
Dreadnoughts	13	13	all classes HMS Dreadnought (1906) to Royal Sovereign (1916)
Battlecruisers	6	6	all classes from Invincible (1908) to HMS Hood (1920)
Light Battlecruisers	2	2	HMS Glorious and Furious (1917 appearance)
Armoured Cruisers	7	7	all classes from Cressy (1902) to Defence (1908)
Protected Cruisers	2	2	Pegasus (1899) & Topaze (1904); (9 other classes not listed)
Scout Cruisers	2	2	Patrol (1905) & Amphion (1912); (4 other classes not listed)
Cruisers (Towns)	5	5	All from Bristol (1910) to improved Birmingham class HMS Chester (1916)
Light Cruisers	5	5	from Arethusa class (1914) to Cardiff class (1917) (Centaur (1916) and later Carlisle, Danae and Delhi classes omitted)
Destroyers	14	10	various classes from C class (1896) to Scott (1918), with following omissions – D, E, H, L, mod R, S and Talisman classes
Submarines	9	9	all main classes from D (1910) to R (1918); no Nautilus or V class
Monitors	5	n/a	HMSs Terror, Glatton, Humber, M29 & Sir John Moore
Aviation Vessels	4	n/a	HMSs Argus, Ark Royal, Engadine & Campania
Others	5*	n/a	Hunt, Ascot & P class plus * 2 unreleased (Arabia & Celerol)

### Navis – models of RN Ships

### French Navy

Nineteen French ships are listed although only 10 have been released. These include the main battleship classes – Patrie, Verite, Voltaire, Paris and Lorraine, the armoured cruiser Jules Ferry and 2 destroyers, one of which is an improved version – Intrepide (NM461N). Armoured cruiser Neptune can be found in the 'Copy' Series.

## Italian Navy

Thirteen out of fourteen ships listed here have been released, including 5 pre-dreadnought & dreadnought battleship classes, 3 armoured cruisers, 3 cruisers and 3 destroyers/torpedo boats, with 1 destroyer still to come. The battleship models illustrate the evolution of the type in the Italian Navy from Benedetto Brin (1905), via Regina Elena, Dante Alighieri, Giulio Cesare to Andrea Doria (1916).



Navis HMS Lion (N version)

## Imperial Japanese Navy

The IJN catalogue has 39 models with 28 released comprising: pre-dreadnoughts – Fuji & Hatsuse classes plus Asahi, semi-dreadnoughts – Aki & Settsu, dreadnoughts – Ise & Fuso classes, battlecruisers – Kongo & Ibuki classes, armoured cruisers – 6, cruisers – 6 and destroyers – 6. The IJN list is the only case where a battleship actually completed (as opposed to projected or scrapped prior to completion) has been listed by Navis but not issued – the culprit is IJNS Nagato, although the ship has been modelled in her WW2 appearance by Neptun, Konishi and Superior (1/1200).



Navis IJNS Mikasa

## Imperial German Navy (& Reichmarine)

Unsurprisingly the Navis catalogue for their own country is the largest with over 100 models (all but 3 released) representing some 80 ships from the battleship Bayern (NM1N) to the minelayer Nautilus (NM90), plus 11 (4 released) from the period 1920 – 1935. For battlecruiser enthusiasts there are even models representing the uncompleted Mackensen class and the class referred to as ersatz Yorck; the latter is the un-named class, the first vessel of which was intended to replace (ersatz = replacement) the armoured cruiser Yorck on the navy's strength. The table summarises what is listed and what has been issued.

Type	Models	Classes	Notes
Pre-dreadnoughts	7	6	from Worth (1893) to Deutschland (1906)
Armoured Coastal Defence	3*	3	* 1 unreleased, available – Hagen, Beowolf.
Dreadnought battleships	7	5	all classes from Westfalen (1909) to Baden (1917)
Battlecruisers	10	6	every vessel from SMS Von der Tann (1911) to Hindenburg (1917), plus uncompleted Mackensen and ersatz (replacement) Yorck classes
Armoured Cruisers	10	8	from Kaiserin Augusta (1892) to Blucher (1913) with Scharnhorst available both in grey and tropical livery
Cruisers	27	20	from Hela (1896) to Dresden (II) (1918); 4 available in grey and tropical livery.
Sea-going Torpedo Boats	14	10	from V162 (1909) to S113 (1919)
U-boats	11	10	from U9 (1910) to U139 (1918)
Armed Merchant Cruisers	2	n/a	Mowe (1915) & Wolf (1917)
Aviation vessels	3*	n/a	Stuttgart & Answald, * 1 unreleased – Roon
Others	8	n/a	supply ship Titania (3 colour schemes), imperial yacht Hohenzollern
Reichmarine (1920 – 35)			
Battleships	3		Including 1933 pocket battleship Deutschland
Cruisers	7*		* 4 unreleased, available Karlsruhe (1929), Berlin (1905) as in 1928 & Amazon (1901) as in 1925
Sea-going Torpedo Boat	1*		* unreleased – G7

### Russian Navy

Nineteen Russian ships are listed with 14 released: 8 battleship types, the protected cruiser Rurik, 2 light cruisers and 3 destroyers. All of the battleship models are improved versions with two of these – Borodino (NM612aN) & Slava (NM612N) – of the same class. The others are Eustafi, Imperator Pavel I, Imperatriz Maria and Gangut. Eight cruisers and armoured cruisers from 1895 – 1900 appear in the ‘Copy’ series.

### Swedish Navy

Navis produce just one Swedish ship – the 1917 coastal defence battleship Sverige (NM811). Many years ago the German firm Mercator produced models of various contemporaries of the Sverige – for example Oscar II (1907) and Fylgia (1907) – but these will nowadays be almost impossible to find.

### United States Navy

Forty one different ships names are listed for the US although with 8 of the pre-dreadnought battleships produced in two versions – as built in a white/buff colour scheme and as refitted with cage masts in overall grey – the total is number of models is 49 with all but 2 released. Total numbers available for each type are: pre-dreadnoughts – 17 (nine classes from the Maine (1890) to Mississippi (1905)), dreadnoughts – 10 (every class from South Carolina (1908) to Colorado (1921)), armoured cruisers – 4, cruisers – 3, destroyers – 8, patrol boat USS Eagle (1918) and a standard freighter type circa 1918. The complete range of USN pre-dreadnoughts and dreadnoughts as listed below is comprehensive and most of the earlier ships are available in white/buff livery or later in the careers with cage masts added and in grey. One – USS Maine (1895) has been re-issued to Neptun standard.

Maine	1895	NM	318N	Delaware	1910	NM	308
Oregon	1896	NM	317	Utah	1911	NM	307
Iowa	1897	NM	316	Wyoming	1912	NM	306
Kentucky	1900	NM	315	Texas	1913	NM	305
Alabama	1900	NM	314	Arizona	1916	NM	303
Maine	1902	NM	313	Nevada	1916	NM	304
Virginia	1906	NM	312	Idaho	1918	NM	302
Kansas	1907	NM	311	Tennessee	1920	NM	301
Idaho	1908	NM	310	California	1920	NM	301N
Michigan	1909	NM	309	Colorado	1923	NM	300N



Navis USS Alabama

### NEPTUN

Judging by their lists, Neptun plan to provide quite the most comprehensive range of models for the period 1930 – 1945, covering to varying degrees the German, British, Japanese, American, French, Italian and Soviet Navies. Frequently for cruisers and larger, the models are of actual ships rather than classes, with each model representing a ship at some particular date. With vessels built before 1940, a model will invariably depict the ship in its wartime appearance, probably as modernised; this is especially so with battleships. Neptun also produce a few US harbour accessories and apparently intend to create a complete London docklands scene, circa 1930s, of which the centre piece – Tower Bridge – has been issued. Neptun’s newest venture is the post WW2 USN with some of the early missile ships plus battleship USS Wisconsin as in 1990. To track Neptun and their sister range Navis try [www.navis-neptun.de](http://www.navis-neptun.de).



Neptun USS Wisconsin

### German Navy (Kriegsmarine)

Representation of Kriegsmarine warships is virtually complete, with many of the ships available either plain grey or with camouflage. All the capital ships, cruisers and destroyers are in production including the projected H class battleship, carrier Graf Zeppelin and the battlecruiser Gneisnau as she would have appeared following a planned modernisation circa 1944. Models of the various Armed Merchant Cruisers (AMC) are being issued with four available so far. There is a small number of Naval auxiliaries, for example tanker Ermland and submarine depot ship Saar; the latter must be worth a mention being the latter day version of one of the very first Eaglewalls.



**Neptun Scharnhorst**

### British Royal Navy

With an impressive catalogue, RN coverage is remarkable. The table lists the various capital ships and these are supplemented by 8 heavy cruiser models (County class ships Suffolk, Berwick & Sussex with the latter able to represent a class of four, plus HMSs Exeter & York and the Frobisher) and 17 light cruisers (all classes but Ds) and lastly the cruiser minelayer HMS Abdiel. Fleet destroyers produced so far represent the following classes: G, H, I, Tribal, L – M, , J – K – N, O – P, plus a suitable companion, the destroyer depot ship HMS Tyne. There are also a number of smaller types – for example Flower class corvettes, Algerine and Bangor classes. Some models appear to have been re-mastered – HMS King George V (catalogue N1101) being an example – the original version features the prominent degaussing cable and UP launchers on B and Y turrets, the fourth on the quarterdeck is missing. N1140 was initially listed as a Fiji class cruiser whereas the current equivalents are N1140 HMS Nigeria and N1140a HMS Uganda. The Fiji class model features twin cranes, whereas the later versions have single cranes and an improved level of detail.



**Neptun HMS Prince of Wales**



**Neptun HMS Indomitable**

Many RN carriers are available and the only planned omission for the RN from Neptun seems to be submarines with not a single boat listed; here at least Argonaut (and now MBM) can fill the gaps although their re-issue programme has not yet featured any of the fourteen submarines originally produced. The following table provides a checklist (as of 2016) of RN battleships and fleet aircraft carriers of the WW2 era. The date is that when a ship is depicted. C = a camouflaged version.

N1101	King George V	1940	N1105a	Barham	1941
N1101a	Anson	1944		<b>Battlecruisers:</b>	
N1101b	Prince of Wales	1941	N1106	Renown	1941
N1101c	Duke of York	1943	N1106a/C	Repulse	1938/39
N1101d	Howe	1942	N1110	Hood	1941
N1102/C	Rodney	1942		<b>Fleet Aircraft Carriers:</b>	
N1102a/C	Nelson	1945	N1111	Indefatigable	1944
N1103	Royal Oak	1939	N1112/C	Victorious	1941
N1103a	Royal Sovereign	1943	N1112a	Indomitable	1944
N1103b	Ramilles	1943	N1113	Unicorn	1943
N1103c	Resolution	1943	N1114	Ark Royal	1939
N1103d	Revenge	1940	N1115/C	Hermes	1938/40
N1104	Queen Elizabeth	1943	N1116/C	Eagle	1942
N1104a	Valiant	1943	N1117	Furious	1941
N1104b/C	Warspite	1943	N1118/C	Glorious	1939
N1105	Malaya	1943	N1119	Courageous	1939

### Imperial Japanese Navy

The IJN is extremely well covered – larger vessels include 8 heavy cruiser models (all but the Aoba class), 16 aircraft carriers and 12 battleships, with the battleship Yamato depicted as in 1941 (catalogue N1201) and in 1944 (N1201a). The differences between these two models concern AA armament and, for the completist, it is still necessary to find the original N7 release for the ship in her ‘as completed’ state, i.e. with wing 6.1” turrets. The carriers include all the main vessels such as Shokaku, Zuikaku, Hiryu, Soryu, Kaga and Akagi, with a further three listed for future release. The numbers given exclude various early versions of models that have been produced, examples being Yamato (catalogue N7), carrier Unryu (N20) and the heavy cruiser Mogami (N21). This latter model is currently listed as N1221 indicating a new issue; indeed the early models are long since out of production and can now only be found second-hand.



Neptun IJNS Yamato

### United States Navy

The USN is obviously a favourite of Neptun’s with about 100 models covering all types of ship. Most principal classes are in current production. All heavy and light cruiser classes are available, with just a couple of models – class variants – still to be issued. All destroyer classes are present and correct, with release of large auxiliaries such as Dixie and Fulton planned. Already available are USSs Dobbin (destroyer tender), Barnegat (seaplane tender), Bayfield (amphibious transport, complete with deck load of landing craft) and a pair of oilers – Pecos and Cimmaron – plus a standard Liberty type. The aircraft carrier USS Essex (N1310) and some of the more modern battleship classes seem to have been re-worked at least once – noticeable differences with the battleships are the stern mounted cranes which are solid mountings in earlier versions and the 16” gun barrels which are now hollowed at the tips – an incredible level of detail.



Neptun USS Louisville

## French, Italian and Soviet Navies

France and Italy are being given increasing coverage particularly of capital ships. It is probably just as easy just to list those available: battleships Richelieu, Provence and Lorraine, battlecruisers Strasbourg and Dunkerque, aircraft carrier Bearn with support from four heavy & five light cruisers and nine destroyer classes, plus the seaplane tender Commandant Teste. From Italy there are battleships Caio Duilio, Conte di Cavour, Vittorio Veneto, Roma and Littorio, aircraft carrier Aquila, escorted by three heavy & six light cruisers and five destroyer classes. Most of the Italian cruisers and destroyers are available in both plain grey or camouflaged. Soviet models include three Marat class battleships and four destroyers.



**Neptun Conte di Cavour**

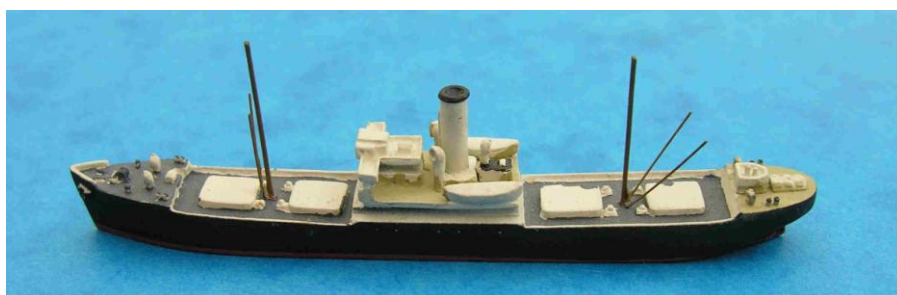
## Aircraft Models

Neptun produce a series of aircraft models, with many listed, primarily intended for use with their ships models, but also some flying boats and land based types. Very helpfully most of the carrier types are available in two versions – wings extended or folded. RN types comprise Sunderland, Walrus, Swordfish, Fulmar and Skua (last three available wings folded or extended), with Barracuda, Seafire, Firefly and Albacore listed for future release. Most of the American types used by the RN can also be found.

A final word under the Navis/Neptun heading about the firm known as Copy; these were a few WW2 warships, thought to be in effect copies of very early Neptuns. Presumably the masters were sold when the newer more detailed models were produced. An example is Copy's version of the heavy cruiser Trento although this ship is now a Neptun release. Also within the Copy series could be found the 1929 British freighter Uskvalley. Note that there is now a new (?) firm using the name Copy with various models of French & Russian warships circa 1900 (as already noted).



**Copy Italian cruiser Trento**



**Copy Uskvalley**

## NN-CAD

NN-CAD has been established as a separate entity from Navis-Neptun to produce models using CAD techniques. Their first model was the small cruiser Prinzess Wilhelm dating from 1889. Website is [www.NN-CAD.de](http://www.NN-CAD.de). Other releases to date comprise HMS Tenacious (DD, 1943), HMS Cavendish (DD, 1944) HMS Triton (Submarine, 1939), USS Blue Ridge (AGC 2, 1943) and HMCS Ontario (CL, as in 1957).



**NN-CAD HMS Tenacious (courtesy NN-CAD)**

## OPTATUS

This range, which is largely available, was launched with various French and British ironclads and Japanese destroyers from WW2. British ships are in the table.

Some specials, to Neptun standard, are the IJN carriers Taiho and Katsuragi. USN collectors may like the destroyer tender USS Everglades (as in 1947) plus three sister ships, the transports USS Tjisadane & Tjinegara and the uncompleted battleship USS Montana. In 1999, and starting with the USS Truxton (as in 1984), Optatus began producing modern USN missile cruisers. All seven vessels of the Albany (CG) and Virginia (CGN) classes were issued and many more were listed for example USSs South Carolina, Belknap, Bainbridge and Little Rock, all of which have been produced in the past by the likes of Trident Alpha, Delphin and Hansa but are increasingly difficult to find. Ultimately Optatus relinquished this area to Argos who had produced their USS Truxton at the same time. Remaining from this venture is OPT-S-16, a USN LCU 2001-2035 (either waterline or full hull – 16a).



**Optatus HMS Warrior**

OPT-02	HMS Royal Oak	1863	OPT-S-29	RN S class destroyer	1943
OPT-03	HMS Warrior	1861	OPT-S-44	RN U class destroyer	1942
OPT-04	HMS Ocean	1865	OPT-S-44a	RN U class destroyer	1944
OPT-06	HMS Shannon	1877	OPT-S-57a	Lenamill, Tug	1940
OPT-S-06	SS Great Britain	1845			
OPT-S-10	SS Britannic, liner	1874	WDS-1	Walmer Castle	1872
OPT-S-10a	SS Britannic, troopship	1900	WDS-K-2	Dempo, Transport	1941
OPT-S-10b	SS Germanic, liner	1875	WDS-K-2D	Dempo, painted decks	1941
OPT-S-19	RN Q-R class destroyer	1942	WDS-K-3	Indrapura, Transport	1940

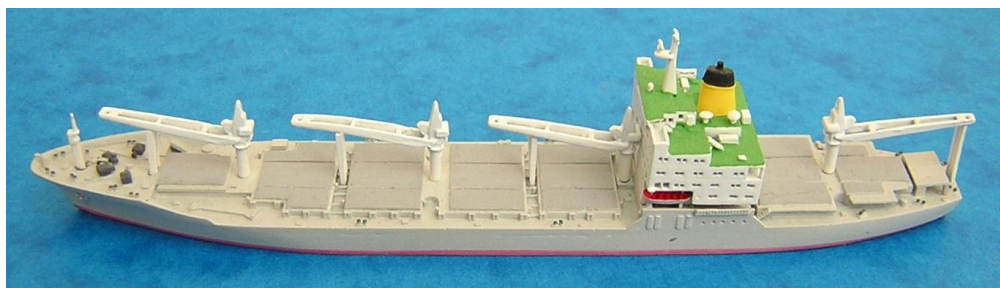


**Optatus USS Columbus (courtesy 1250scale.com)**

Optatus have been re-issuing under licence various models from the discontinued Bille, Ostrowski, Sextant and Vindebona ranges including the 1970 tanker British Explorer, ferry Norbank (as in 2002), 1995 liner Oriana and 1962 bulk freighter Pacific Bridge. Optatus may be checked in more detail via [www.schiffmini.de](http://www.schiffmini.de).

## OSTROWSKI (AKA OCEAN SERVICE MODELS)

Ostrowski were an important source of good quality merchant ship models, with unparalleled coverage of Eastern Bloc vessels, in particular those of Poland. In later years the scope of the range was enlarged to include German, British, Dutch and even the occasional Indian and Australian ships.



**Ostrowski SM Dunedin**

The range totaled 118 and the few British ships can be listed: Townsend Thoresen ferries European Enterprise (OS 80) and Spirit of Free Enterprise (OS 69), and surprisingly the very first model with catalogue number OS 1 is the 1950s vintage light ship Calshot Spit, this vessel now to be found in Southampton docks. Another interesting model is the modern cargo ship Dunedin, this being an example of the so-called 'sondermodelle', or special model, issued from time to time by some of the continental manufacturers. Typically these models are produced to commemorate a historical event or to coincide with a collectors' meeting such as that held biennially at Kassel in Germany. Thus Dunedin was not allocated a normal catalogue number but is listed as OS SM89, the model being released at the 1989 Kassel meeting.

Of related interest are the Stena Seaspread, a vessel which was chartered by the UK MOD on several occasions during the 1980s and whose sistership Stena Inspector was bought in 1984 and converted to become the RFA Diligence; Polish Ro-Ro Inowroclaw an identical sistership of United Baltic's Baltic Eagle. To dwarf the rest of the collection the huge tanker Stena King is a must. A small range of warship models are produced under the name Atlantis but these are described elsewhere. With the name change to Ocean Service Models, production and distribution was to have been handled by Sextant as part of the 'Modell-Pool' arrangement (see Note to Sextant entry below).



**Ostrowski European Enterprise and Spirit of Free Enterprise**

## RHENANIA

With a total catalogue of about 250 this is one of the largest ranges in current (2013) production – check [www.wiedling.de](http://www.wiedling.de) for actual availability. The range breaks down into five series:

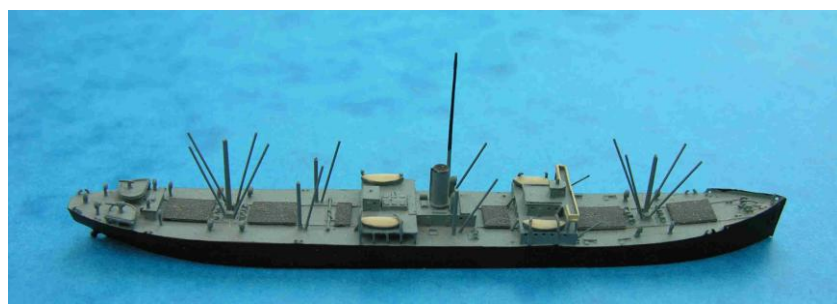
- RS Series – warships, mainly German, mostly from the early 1900s; also RN destroyers HMS Acorn (1910) & HMS Vidette (1917) and the ferry Isle of Guernsey as a landing ship in 1944,
- KM Series – German warships and Armed Merchant Cruisers mainly from the 1939-45 era,
- RH Junior - merchantmen including several British ships: coasters Conister (1921) & Peveril (1929), pilot boat Humber Calisto (2002) Atlantic Guardian (2001), OSVs Toisa Proteus (2002) & Tulpar (2002), Cable & Wireless Adventurer (yacht, 1998), ferry Bute (2005), Grampian Commander (2005) and 2011/12 P&O ferries Spirit of Britain & Spirit of France; also Russian Navy auxiliaries,
- G Lizenz – licensed re-issues of 'G' models (see 'G' entry for more details),
- The Main Series (currently RH1 – 163).

The Main Series features a wide selection of types such early merchant ships, modern warships and Swedish and Dutch warships of 1930s/40s, for example the Swedish cruiser Gotland (1940). Unusual offerings are the French armoured cruiser Pothau and Greenpeace ship Sirius. Examples of American ships are the monitors Casco and Dictator (both 1864), 1914 tanker Pioneer, 1942 tender Storis, and 1944 icebreaker Eastwind. Just a few British vessels are/have been listed: there was also a model of the Cutty Sark (see Carat):

Yorkshire	1919, liner	Stanhope	1937, freighter (also 1942 version)
Velinheli	1892, coastal steamer	Tordene	1936, freighter
Saint Dunstan	1919, freighter	Danhope	1937, freighter
War Buckler	1918, freighter	New Georgia	1919 (Elder Dempster colours)
War Melody	1918, freighter	New Georgia	1921 (British & Africa colours)
War Arrow	1918, freighter	Wingfield Castle	Humber ferry



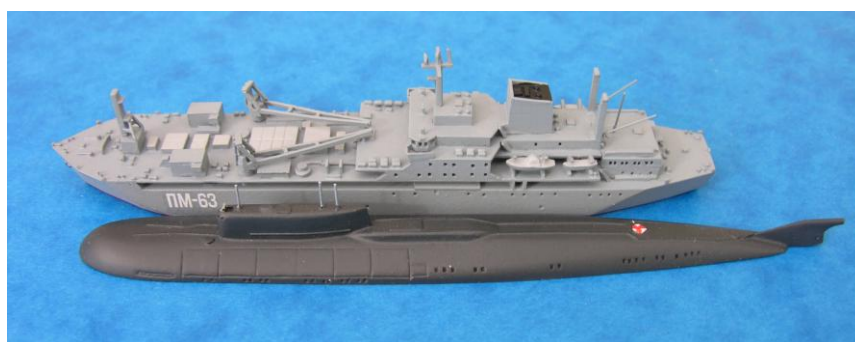
**Rhenania French cruisers Pothau & Dupuy De Lome**



**Rhenania War Melody**



**Rhenania Swedish cruiser Gotland (courtesy '1250scale')**



**Rhenania Junior 'Malina' class auxiliary with Argos Kursk**

## RISAWOLESKA

A substantial listing of some 400 models although most are earmarked for future release – it is recommended you check [www.risawoleska.de](http://www.risawoleska.de) for current availability. Originally producers of Danish ferries, there are now Norwegian and Swedish vessels and some interesting liners from that part of world. British ships currently listed are below – vanished already are Solomon Browne; Scillonion (II), 1952 and Commodore Queen, 1961. Latest at the time of writing are the four variations of Ri 512.

Scillonion (III)	1979, passenger ship	Turmoil	1948, tug
Mabel Alice	1982, life boat	King George V	1926, passenger ship
Benjamin Bowring	1952/as in 1979, research ship	Loch Fyne	1931, passenger ship
Olympiakos	1952/as in 1987, freighter	Victoria	P&O, as in 1995
Olympiakos	1952/as in 1990	Victoria	Union Castle colours in 2000
New Zealand Star	1967 (Ri 510a)	Winchester Universal	1965/as in 1979 (Ri 512b)
Clan Ramsey	1965 (Ri 512)	Balmoral Universal	1965/as in 1979 (Ri 512c)
Winchester Castle (II)	1965/as in 1977 (Ri 512a)		



**Risawoleska Victoria (P&O)**

Planned for 2015/16 and liable to upset CM are:

Ri-445b Sagafjord	1989, Cunard cruise ship	Ri-446a Vistfjord	1983, Cunard cruise ship
Ri-445d Saga Rose	1997, Saga cruise ship	Ri-446b Caronia	1999, Cunard cruise ship
		Ri-446c Saga Ruby	2004, Saga cruise ship

## SEXTANT

Sextant offered many unusual and interesting warships and merchant ships and eventually passed catalogue number 200, with the emphasis in later years on merchants. Prominent in the early catalogue are Austrian and Italian warships from the 1860s to 1880s. Other fascinating and unique models are various Danish coastal defence battleships and submarines from the 1930s, and the occasional 1960's warship such as USSs Mitscher and Bronstein, and the accommodation ships Mercer and Bennewah, plus the French guided weapons trials ship Ile d'Oleron (a sort of French Girdleness).



**Sextant Andania as in 1915**

Definite improvements in quality are evident from SX102 although when originally issued this particular model (a Sealink ferry) was given a red, rather than blue, hull. Towards the end of production Sextant concentrated on modern (post 1970) merchant ships, and particular models that catch the eye are the immensely beamy tanker Nanny and Swedish RO-RO Stena Searunner, a sistership of the Elk of Falklands fame.



**Sextant Norbank (North Sea Ferries, 2002)**

GB and US models are listed in the following table (with the exception of Sextant's Kassel 'sonder modellen' – SM95 & 97, all catalogue numbers are prefixed SX).

18a	Speybank	1926	Bank Line	179	Sea Pioneer	1984	bulker
21	Grenadier	1941	sub-chaser	202	Norsea	1987	ferry
26	Reliant	1908	steam tug	202a	Norbank	2002	ferry
70	Andania	1913	Cunard liner		re-issued: OL-SX-36a		
70a	Andania	1915	as troop ship	205	Oriana	1995	P&O cruise ship
73	Transylvania	1914	Cunard liner	218	Maersk Pacer	1991	OSV
75	Manchester Challenge	1970	Manchester Lines	226	Autoroute	1979	car carrier
102	St Anselm	1979	Sealink ferry	227	Portgarth	1995	tug
143	British Explorer	1970	BP tanker	230	Jervis Bay	1992	container ship
144	British Skill	1983	BP tanker	236	Afric Star	1975	reefer
145	Isomeria	1982	Shell tanker	242	Marinor	1992	tanker
146	Sealord Challenger	1968	Elder Dempster	249	BP Admiral	1990	tanker
154	Norland	1982	'Falklands'	263	Speybank	1995	Cargo ship
165	Doctor Lykes	1972	US LASH ship	SM95	Pride of Burgundy	1993	P&O ferry
174	Table Bay	1972	container ship	SM97	European Seaway	1991	Ro-Ro



**Sextant AMC Penguin disguised as 'Tamerlane'**

Note: with the demise of Modell Pool in 1997 the Sextant, Ostrowski (and Atlantis) ranges were discontinued. Some elements of the Sextant range, for example Oriana, have been re-released by Optatus but these are now hard to find.



**Sextant Pride of Burgundy (P&O, 1993)**

### TRIDENT ALPHA/TRIDENT

Trident Alpha and Trident were originally a single range which in later years became two different manufacturers – hence two separate entries in the guide Trident Alpha models are of the higher quality and originally had catalogue numbers T1 to

about T400, whereas Tridents were T500 upwards. In later listings the Alphas are numbered as Ta10001 to Ta10360, whereas 'Tridents' run from about T40 to T2100 and seem to be expanding in both directions. This may well cause some confusion because the Alphas' original numbers are often engraved underneath the models (both these ranges are discontinued although Wiedling may have stocks of some models of both series).

The 'Alpha' series is renowned for its coverage of modern warships, submarines and auxiliaries, in particular American and Russian. Quality is high although because of the softer metal used, the finish is generally not as crisp as Neptun or Albatros for example. With over 120 soviet and over 150 American late war/modern ships listed, suffice it to say a large number of classes are covered from carriers to patrol boats and auxiliaries of all types. Of the latter, one of the largest is the USS Sacramento, and equally impressive is the soviet equivalent Berezina (T237). Examples of other models are the submarine USS San Francisco, missile hydrofoil Sarancha, frigate USS Ramsey, missile cruiser USS Virginia and super-carrier USS America. Incidentally the large carriers are unusual in that they are moulded in plastic. A fuller list of American ships can be found in Annex B. Ironically the only one to avoid is T1 USS Enterprise as the model is noticeably underscale.



**Trident Alpha USS Chicago**

GB ships that have been modelled by Trident Alpha are listed in the table. It is interesting to note that the last RN/RFA ship produced by Trident Alpha was catalogue number T118, so the decision seems to have been made to leave the modern Royal Navy to Albatros and to a much lesser extent Trident.



**Trident Alpha Giuseppe Garibaldi**

Sir Lancelot was the prototype of the LSL class and differed in appearance from her later sisters. The Dunstan is an unusual model in that it is the sole merchant from this manufacturer. This small cargo vessel is in fact Booth Line's fourth ship bearing the name and was laid down as the USS Tulare, hence its inclusion in the Trident range which specialises in the post-war United States and Soviet Navies. Lastly from 'Alpha' there are a few ships from the modern Italian, Dutch and French Navies.



**Trident Alpha US ABSD1 drydock with Atlas' USS Missouri**

Some models were listed but never released, hence projects like that illustrated below: De Ruyter (Ta 10107) converted to the unreleased De Zeven Provinciën (Ta 10117<sup>1</sup>) which was modernised as a missile cruiser.



**Trident Alpha Dutch missile cruiser De Zeven Provinciën (conversion)**

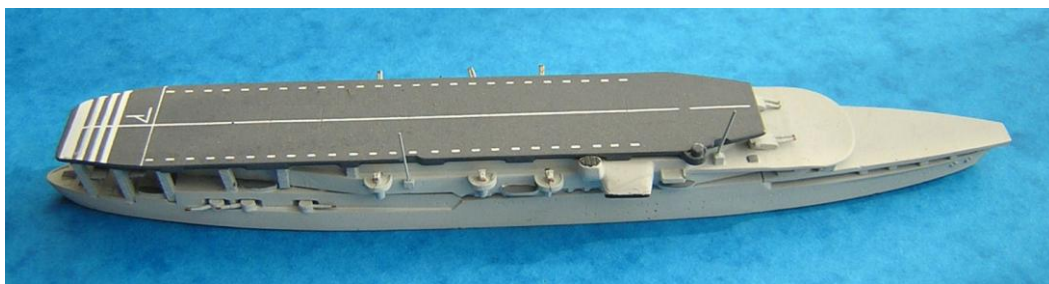
Also available is the ‘Z’ series of accessories (Z1 – Z83, recently renumbered Ta19001 upwards) which includes aircraft, vehicles, spare parts, small dry docks and even a couple of full hull models (a nuclear submarine and a minesweeper, both American) to go in a dry dock. Lastly Trident Alpha once produced a series of metal kits which included the following American vessels – Coastal Rambler (1945, Ta 12003), American Veteran (1945, Ta 12004), Gulfglow (1948, Ta 12007) and Old Colony Mariner (1953, Ta 12008). A couple of early warship models were not been released at all.

Ta10014	HMS Guardian	1945	Ta10101	RFA Sir Lancelot	1963
Ta10015	HMS Aveley	1959	Ta10118	HMS Barrosa	1969
Ta10021	HMS Crossbow	1960	Ta19025	LCM 9	1969
Ta10027	LCT 4	1943	Ta19026	LCA	1944
Ta10080	RFA Engadine	1969	Ta19027	LCM 7	1944
Ta10100	HMS Fearless	1969	Ta10061	Dunstan (freighter)	1963

#### Trident Alpha British Ships

#### **Trident**

Chronologically speaking the Trident range has far greater scope than ‘Alpha’ extending from WW1 coastal motor boats to the most modern nuclear powered submarines, and even the only 1/1250 models to date of possibly the last RN diesel electric submarine HMS/m Upholder (since leased to Canada) and the RN’s Trident SSBNs. Trident seem to follow no set pattern in selecting ships to model for the range and particular favourites seem to be modern soviet submarines, RN coastal and amphibious craft, Imperial Japanese Navy (IJN) auxiliaries and aircraft carriers, virtually anything Austrian and small from WW1, plus a huge selection of items from which to build the Normandy invasion mulberry harbours. A few modern RFAs and RN vessels are hidden away in the catalogue, plus occasional IJN cruisers and destroyers and even the odd Kriegsmarine Armed Merchant Cruiser. Royal yacht Victoria and Albert (1855) is an oddity but a welcome addition to any collection. Other examples are HMNS Van Heemskerck (1944), FNS Chacal (1940), and the carrier IJNS Akagi in 1935 (i.e. prior to her final modification which resulted in a full length flight deck). Indeed IJN enthusiasts should look closely at Trident who have a number of unique models of IJN warships. For example the light cruiser Kitakami has been produced to virtually Neptun standard in both 1942 torpedo cruiser (T1014N) and 1944 midget submarine carrying versions (T954).



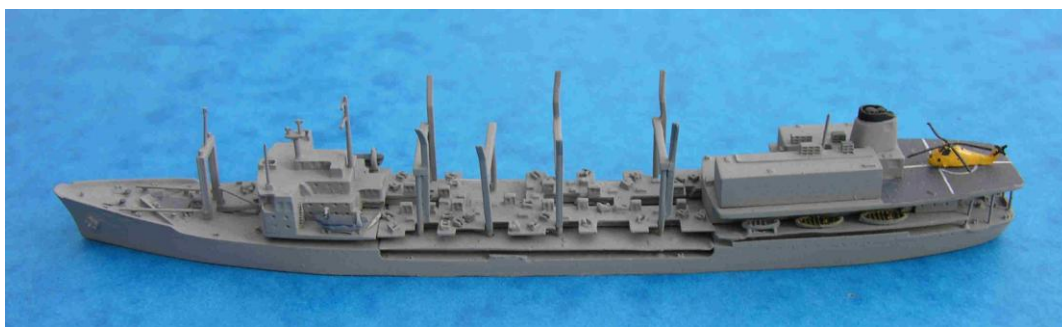
**Trident IJNS Akagi in 1935**

The heavy cruiser Kako (T1052) is shown, again to Neptun standard, as in 1927 with the main armament of six 8” guns in single mounts rather than twin turrets; sistership Furutaka (T1017) is listed to show the class in their final configuration and may be worth considering in place of Neptun’s version, but in this instance is a much less detailed model. Finally the first Japanese full decked aircraft carrier Hosho is available, either as completed in 1922 with a small bridge (T1051) or as in 1941 with the bridge removed (T1051a). The Hosho, completed with design aid from the RN, was one of the world’s first carriers and featured an arrestor wire and even a primitive deck landing light system. More recently Trident have been concentrating on submarines with a vast number of releases, in particular modern Russian boats, but also including all

<sup>1</sup> There are reports that say this model was released but it is not listed as such in the Wiedling register.

current RN types. Trident's British models are in the table; those named ships yet to be released are in italics. Most of the smaller types which are too numerous to list also fall into the unreleased category.

T103	HMS Colossus	1945	T975	HMS Invincible (trials)	1979
T152	HMS/m Dreadnought	1962	T975a	<i>HMS Invincible</i>	1982
T197	Victoria & Albert	1855	T998	RFA Grey Rover	1978
T202	HMS Humber	1938	T999	<i>HMS Eagle</i>	1951
T206	<i>Banshee (yacht)</i>	1901	T1000	<i>HMS Ark Royal</i>	1956
T213	Trident type SSBN	1992	T1003	HMS/m Snapper	1940
T214	HMS/m Renown	1969	T1004	HMS/m Sportsman	1941
T215	HMS/m Torbay	1987	T1022	HMS Austell Bay	1945
T216	HMS/m Superb	1978	T1033N	HMS Glory	1944
T217	HMS/m Churchill	1970	T1208	<i>Ocean</i>	1945
T218	HMS/m Upholder	1989	T1209	<i>Magnificent</i>	1944
T219	HMS/m Ocelot	1967	T1210	<i>Illustrious</i>	1983
T618	Alaunia (depot ship)	1957	T1214	<i>Boxer</i>	1944
T619	General Wolfe	1918	T1218	<i>Vengeance</i>	1945
T864	Bulldog	1968	T1240	Empire Macrae	1944
T901	Ardennes	1977	T1308	Warden (tug)	1945
T903	Triumph	1964	T1309	Restive (tug)	1941
T907	Olna class RFA	1966	T1590	Nicoya (freighter)	1948
T908	HMS Abdiel	1967	T1611	Claymore (passenger vessel)	1954
T920	RFA Stromness	1967	T1743	Lady Enchantress (yacht)	1950
T924	HMS Endurance	1983	T1780	Dunstan (freighter)	1948
T965	<i>HMS Perseus</i>	1950			
T974	HMS Gold Rover	1979		plus many more coastal craft and landing craft	



**Trident RFA Olna**

## WIKING

Wiking were the original producers of German naval recognition and collectors models who, before the war, had a huge warship range, military aircraft and a fair number of merchantmen. All major warships were listed and very probably released; an undated price list supplied by a collector in Germany puts battleships at DM4.50, cruisers at DM2.50 and destroyers at DM1. A further list dated 1949 limits itself to merchant-ships, but by the 1960s there were wartime and post-war warships and merchantmen. It is believed that Wiking finally ceased production in the late 1970s, succumbing mainly to the influx of much higher quality models from other sources. A few of the models were re-issued during the late 1980s but the prices reflected 'collectability' rather than quality.

In terms of actually finding Wiking models today, perhaps the best guideline is to indicate what was generally available in the 1970s. German mail order firm Wiedling's final update of Wiking stock was dated March 1976 and listed 97 models, virtually all warships, including 25 RN vessels, some of which until very recently remain unique to Wiking. Quite a few of the models were cast in plastic, other examples being Sverdlov, Boston (missile cruiser), Koln (WW2 cruiser) Illustrious and HM cruisers Dido and Fiji. The latter was available in three and four turret versions.



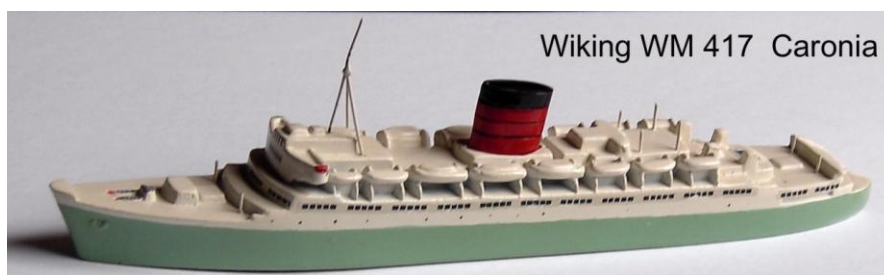
**Wiking Soviet cruiser Sverdlov**

Not on Wiedling's list and now very collectable was the super carrier USS Forrestal, also in plastic and once stocked by Argyle Models at 25/-. Other foreign warships of interest perhaps are the Norwegian minelayer Olav Tryggvason, Swedish coastal defence ship Ilmarinen, US Wind class icebreaker, and soviet battleship Marat as modified between the wars. Civil types listed included a river steamer, a dredge, fishing vessels, a tramp steamer and just two named vessels, Barentzee (Dutch) and Rio de Janeiro (Swedish), both of 1950s vintage. Based on a compilation of information from several listings published in the 1960s and 1970s, most recently available British ships (all warships) were as follows: (P) means moulded in plastic; all the ships date from 1935/45 unless otherwise indicated.

Illustrious	aircraft carrier (P)	Hunt class	escort destroyer (P)
Glorious	aircraft carrier	V and W class	destroyer (as built)
Hermes	aircraft carrier	Thames	submarine
Biter	escort carrier (P)	Porpoise	submarine
King George V	battleship (P)	Seal	submarine
Nelson	battleship	Egret	sloop
Warspite	battleship	Halycon	minesweeper
Queen Elizabeth	battleship	Abelia	corvette
Renown	battlecruiser	Bluebell	corvette
Repulse	battlecruiser	Kingfisher	patrol boat
Fiji	cruiser (3 and 4 turret versions) (P)	Daring	1952 destroyer
Dido	cruiser (4 and 5 turret versions) (P)	Rothesay	1960 frigate
Cumberland	heavy cruiser	Leopard	1956 frigate
Manxman	cruiser minelayer (P)		

and for the USA (\* also issued in metal):

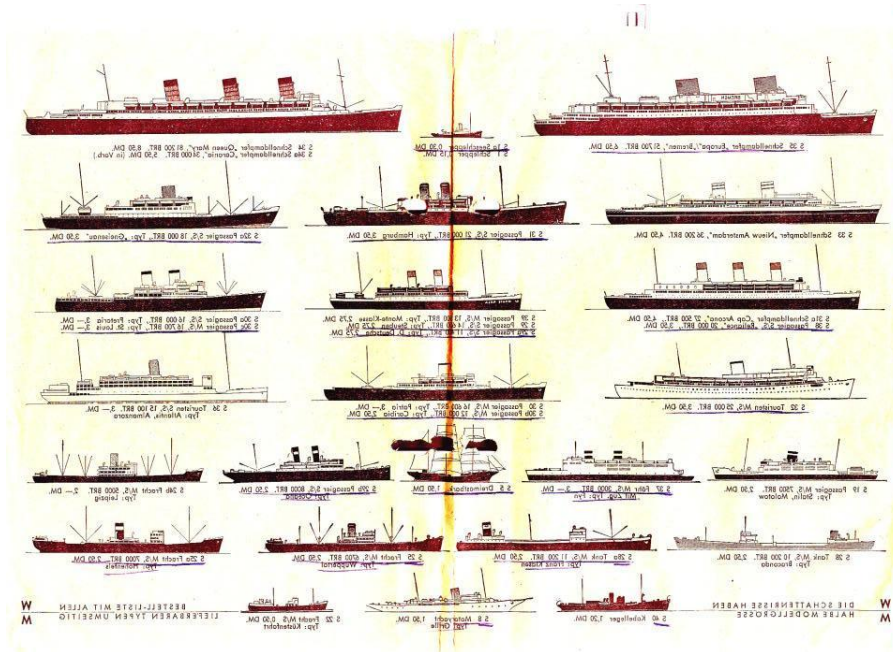
North Carolina	battleship (P)	Somers class	destroyer (P)
New Mexico	battleship	Forrestal	1959 aircraft carrier (P)
Colorado	battleship	Boston	1955 CAG (P)
Minneapolis	heavy cruiser	Forrest Sherman	1955 destroyer
Brooklyn	light cruiser (P)	Nautilus	1954 SSN (P)*
Omaha	light cruiser (P)	Sea Wolf	1957 SSN
Atlanta	AA cruiser (P)	George Washington	1959 SSBN
Wind class	icebreaker	Tunny	1956 missile submarine
Fletcher class	destroyer	Trout	1952 Tang SS
Gearing class	destroyer	Bluebird	1959 minesweeper



**Wiking Caronia (courtesy EM Ramme)**



Wiking HMSs Belfast & Southampton (courtesy EM Ramme)



Wiking Merchantmen – 1951 (courtesy EM Ramme)

## MINOR MANUFACTURERS

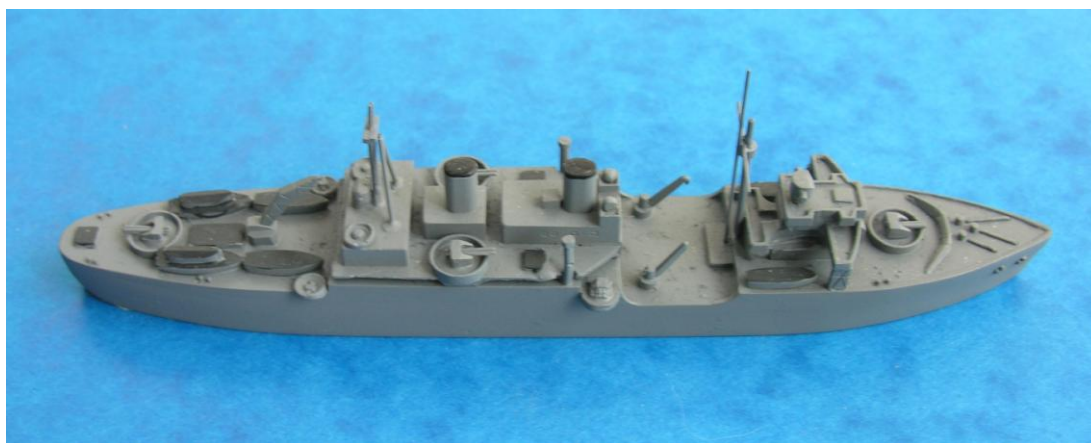
In general the manufacturers described under this heading are those with smaller catalogues, but who nevertheless include interesting and often top quality models; availability is mixed.

### Anker

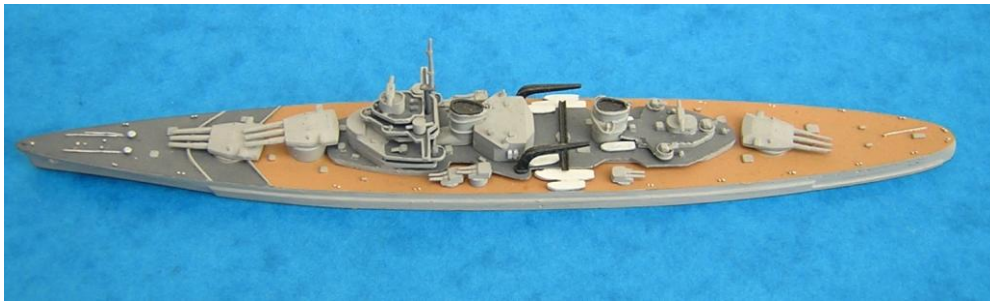
A supplier of white metal kits, mainly projected warships from the 1930s and 40s, and no longer in production., highlights being the uncompleted soviet battleship of 1942, Japanese and Dutch WW2 battlecruisers, and for GB collectors the freighter Port Alma (1928) and HMS Vindictive both as seaplane carrier and repair ship. Model A25 HMS Victorious is underscale so you are better off with the Mountford or Skytrex versions. For the record a full list follows.

Cat.	Anker Model Details
A 01	Dhonburi, armoured gunboat, Thailand 1938
A 02	X1, submarine, RN 1923
A 03	Zmaj, 1929 Yugoslavian aircraft 'mother-ship', became German Drache in WW2
A 04	HMS Maidstone, depot ship, 1937
A 05	Port Alma, freighter Port Line 1928
A 06	HMS Vindictive, repair ship 1940
A 07	Joffre, projected aircraft carrier, French 1940
A 08	Irmingard, German freighter 1958
A 09	HMS Vindictive, training ship 1935
A 10	Cruiser project, Swedish 1932/34
A 11	Vesuvio, Italian AA cruiser ex Thai (A 16), 1942 (Vesuvio & Etna scuttled incomplete in 1943)
A 12	Seydlitz, German projected aircraft carrier, ex heavy cruiser, 1942
A 13	A – H class, German projected minelayer (A 13a, 13b other variants)
A 14	Almirante Clemente, Venezuelan frigate 1955
A 15	Pero Escobar, Portuguese frigate, 1955 (similar to above)
A 16	Taksin, Thai AA cruiser project 1938 (building at Trieste, Taksin and sister ship Naresuan seized by Italy in 1941 and renamed respectively Etna and Vesuvio)
A 17	M – R class German projected light cruiser 1938/40 (see also NTs 17, 21 & 22)
A 18	HMS Vindictive, aircraft carrier 1919
A 19	Sparviero, Italian projected aircraft carrier, 1942
A 20	Dutch projected battlecruiser 1939/40
A 21	Batiray, Turkish submarine 1939
A 22	Coastal defence ship 7000 tons, projected, Swedish 1933
A 23	Coastal defence ship 7681 tons, projected, Swedish 1934
A 24	Monitor 8000 tons, projected, Swedish 1934
A 25	HMS Victorious, 1960 aircraft carrier as modernised with angled flight deck
A 26	Gibbs & Cox design B for a Soviet battleship/carrier, 1937
A 27	Sovjetskaya Ukraina, projected battleship, Soviet 1938/41
A 28	Sovjetskaya Bjelorossiya, projected missile battleship, Soviet 1953
A 29	Coastal defence ship, projected, Swedish 1939
A 30	Isaac Sweers, Dutch destroyer, original design, 1939
A 31	B65, projected battlecruiser, Japanese 1941

Anker Models (from a list dated 1979)



**Anker HMS Maidstone**



**Anker Dutch Battlecruiser**

**Atlantis**

A small range of primarily modern warships manufactured by Ostrowski; useful as a gap filler for some of the emerging navies such as India, as well as the better known West European Navies. For example from France, Holland and Italy respectively, come Aconit, Zuiderkreis and San Marco (frigate, replenisher and assault ship); no RN ships seem likely and the range has now been discontinued.



**Atlantis Indian frigate Godavari**

**Bille**

Originally a producer of coastal forts and harbour accessories, Bille have in the past also listed sailing ships from the period 1500 to 1850 (including the Golden Hind, Bounty, Bellona and Victory), and primarily German merchantmen from the 1950s. British vessels are the turret ship HMS Captain (1870), Craig Shipping's 1983 coaster Craigavad, 2005 ferry Pride of Portsmouth (BI-107), and container ships Alum Bay (1991) and Chesapeake Bay (1995) in P&O charter colours. Emphasis recently is modern German merchant ships and to a lesser extent warships starting with various MEKO frigates, plus Bundesmarine ships and from an earlier era the seaplane tender Walter Holzapfel. Production ceased in 2009.



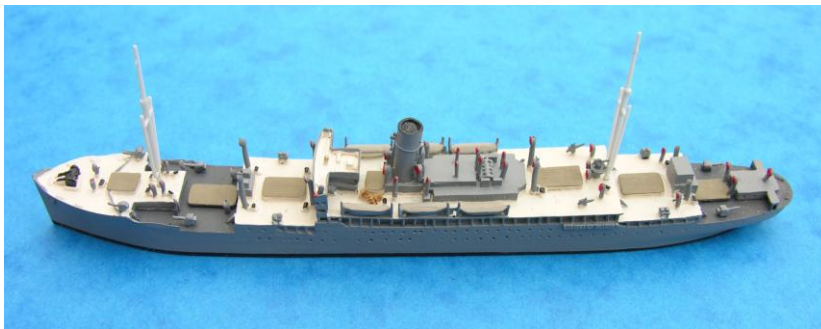
**Bille Pride of Portsmouth**



**Bille Argentinian MEKO frigate Almirante Brown**

**Colonia**

Merchant ships, in general from the 1920s and 1930s, and to a good standard; of special interest to GB collectors are the Rawalpindi and Jervis Bay both in merchant service and as AMCs, and from a much earlier era the Great Western.



**Colonia Jervis Bay as an Armed Merchant Cruiser (AMC)**

Cunard’s Mauretania (II) is hard to find but the ship is now available from CM. A list of Colonia’s British merchants, all passenger ships, is below. AL C-1 is an Albatros re-issue of the original Colonia.

Co21	Great Western	1837		Co25	Ballarat	1922	P & O
AL C-1	City of Paris	1889	Inman Line	Co18	Orama	1924	Orient
Co11	Laconia	1910	Cunard	Co12	Rawalpindi	1925	P & O
Co28	City of Winchester	1917	Ellerman	Co24	Viceroy of India	1928	P & O
Co16	Jervis Bay	1921	Commonwealth G'ment Line	Co22	Mauretania	1938	Cunard
Co 33	Albania	1921	Cunard	Co16a	Jervis Bay	1939	AMC
Co20	Laconia	1922	Cunard	Co12	Rawalpindi	1939	AMC
Co23	Mongolia	1922	P & O	Co29a	Canberra	1962	P & O



**Colonia Canberra (P&O, 1962)**



**Colonia AL-C1 City of Paris (Inman Line, 1889)**

**DeAgostini Kriegschiffe**

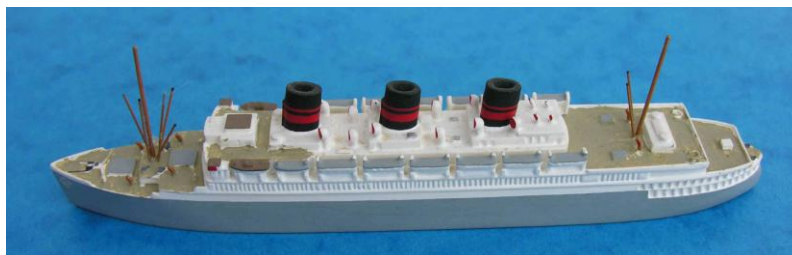
An ever increasing range of full hulled models including such ships as USS Essex, KM Leipzig, KM Graf Zeppelin, KM Hipper, KM Konigsberg, SMS Derffinger, SMS Konig, SMS Blucher and HMS Illustrious. Best source is [www.abitina.com](http://www.abitina.com) in Germany. Apparently the plan is to issue about seventy models, a majority unsurprisingly to be German vessels.



**DeAgostini HMS Illustrious**

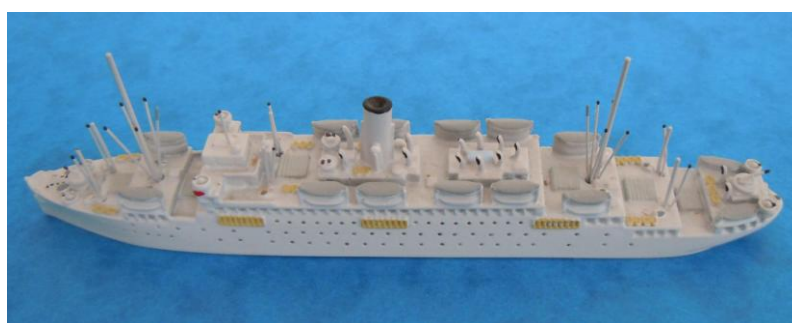
## Degen (Hein Muck)

A large range of medium priced resin merchant ships, troopships and hospital ships; also some naval auxiliaries. The tables below contains a full list of British ships released; only pending items were the Shaw Savill & Albion liners Southern Cross and Northern Star although these particular ships have been produced by CM-KR and Len Jordan resectively. Note that HM297 is catalogued as Alaunia but as a troopship she can only be Ascania. Sadly the maker of this range died in 2002. Some of the range is now available via AH Models in the UK.

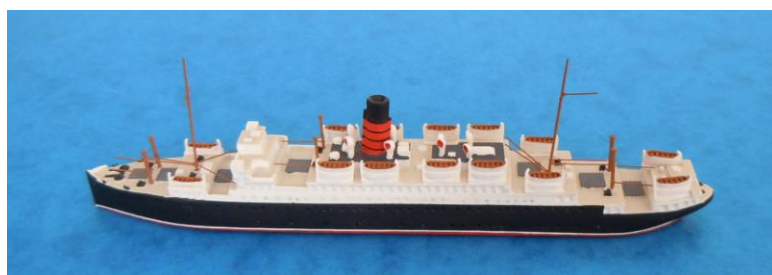


**Degen Monarch of Bermuda (Furness, Withy & Co, 1931)**

156	Benavon	1973	Ben Line	286	Voltaire	1939	as AMC
157	Tokyo Bay	1973	OCL	287	Ausonia	1921	Cunard
202	Empress of Australia	1951	Canadian Pacific	288	Ausonia	1942	as AMC
210	City of Benares	1939	Ellerman	289	Dunnottar Castle	1936	Union Castle Line
211	City of Benares	1940	as troopship	290	Dunnottar Castle	1942	as troopship
252	Canberra	1933	Australian SS Co.	291	Dominion Monarch	1938	Shaw Savill
253	Canberra	1941	as troopship	292	Dominion Monarch	1939	as troopship
261	Capetown Castle	1938	Union Castle Line	295	Aurania	1924	Cunard
262	Capetown Castle	1939	as troopship	296	Artifex	1944	repair ship
263	Southern Prince	1929	Furness, Withy & Co.	297	<i>Ascania</i>	1941	troopship
264	Southern Prince	1940	as troopship	302	Letitia	1924	Donaldson
270	Alcantara	1925	Royal Mail Line	303	Letitia	1942	as troopship
270A	Alcantara	1948	Royal Mail Line	304	Letitia	1944	hospital ship
271	Alcantara	1943	as troopship	343	Andes	1939	Royal Mail Line
272	Monarch of Bermuda	1931	Furness, Withy & Co.	344	Andes	1939	as troopship
273	Monarch of Bermuda	1939	as troopship	345	Durban Castle	1938	Union Castle Line
274	New Australia	1931	Shaw Savill	346	Durban Castle	1940	as troopship
278	Reina Del Pacifico	1930	Pacific Steam Nav. Co.	385	Queen of Bermuda	1961	Furness, Withy & Co.
279	Reina Del Pacifico	1939	as troopship	386	Queen of Bermuda	1942	as troopship
283	Strathaird	1931	P & O	387	Queen of Bermuda	1939	as AMC
283A	Strathaird	1946	P & O	399	Sea Princess	1979	P & O Princess
284	Strathaird	1939	as troopship	418	Hellenic Princess	1949	ex HMAS Albatross
285	Voltaire	1923	Lampart & Holt	SM*	Oriana	1960	Orient (*special model)



**Degen Ascania (catalogued incorrectly as Alaunia)**



**Degen Ausonia from WMS (Cunard, 1921)**



**Degen Sea Princess (P&O Princess, 1979)**

**Helvetia**

High quality resin models covering a wide variety of types but with only some 40 releases, and a predominance of foreign merchant ships; of interest to GB collectors will be the ironclads Belleisle, Royal Sovereign and Hotspur all dating from the 1870s and several modern merchantmen as listed. The models were available in limited quantities and in spite of much searching the ironclads remain very elusive. Helvetia have also made merchant and warships from the age of antiquity; no, not when I began collecting, but rather Greek, roman and Byzantine! All catalogue numbers are prefixed HV.



**Helvetia Port Caroline**

11A	Oriana	1961	Orient	52	LNG Pollenger	1974	Burmah Oil
11B	Oriana	1965	P & O	56	Port Caroline	1963	Port Line
15	G A Walker	1974	Canadian Pacific	59A	Empress of Canada	1961	Canadian Pacific
22	Gadina	1972	Shell Tankers	59B	Empress of Canada	1968	Canadian Pacific
36A	London Bombardier	1972	London & O'seas Freighters	61	Garinda	1977	P & O
36A-1	London Grenadier	1973	London & O'seas Freighters	38	Flying Princess	1977	hydrofoil
36B	Strathdoon	1972	P & O	70C	Laertes	1976	Ocean T'port & T'ding
36C	Strathdare	1972	P & O	71C	Saxon Star	1983	Blue Star
51	Norman Lady	1974	Buries Markes				



**Helvetia Oriana (Orient, 1961)**

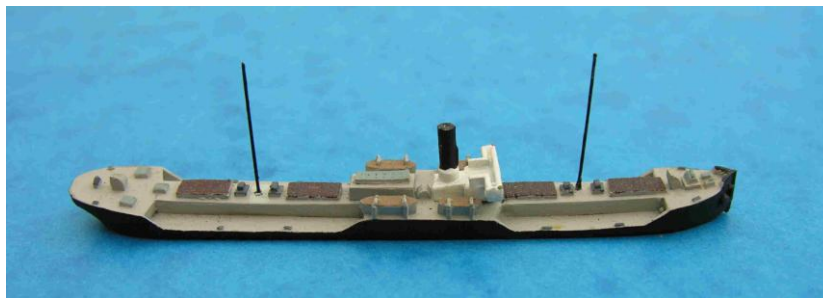
**HL**

No longer in production, HL generally offered their models either as kits or completed. Again warships and merchantmen, but concentrating on the period 1880 to 1910 with particular attention to Austrian vessels. Also covered were Spain, Italy, Brazil and the USA. British Empire (GB and Canada) representation is slight so it is possible to provide a list. Personal favourites from HL are the Italian ironclad monsters Lepanto and Duilio.

Creole	1906	passenger	Canadian, line unknown	Empress of Russia	1913	liner	Canadian Pacific
Princess Royal	1907	ferry	Canadian Pacific	Trunkby	1898	freighter	Ropner
Empress of China	1909	liner	Canadian Pacific	Nonsuch	1906	freighter	Bowles Bros
Princess Alice	1911	ferry	Canadian Pacific	San Sebastian	1914	tanker	Sebastian DM Boat Co.
Franconia	1911	liner	Cunard	Novocastrian	1915	freighter	Tyne-Tees SS Co.
Ceramic	1913	liner	White Star	HMS Humber	1913	monitor	



**HL Italian ironclad Lepanto**



**HL Trunkby**



**HL Ceramic (White Star, 1913)**

### **Holsatia**

A small range of high quality merchantmen from 1960 to the present day. The majority are ferries and passenger ships of German origin, examples being Nordfriesland (1987) and Prinz Hamlet (1973). 'Foreigners' include the Song of Norway (1978), Royal Viking Sky (1982), Royal Viking Queen (1992), Song of America (1982) and just one British ship, the Townsend Thoresen ferry Spirit of Free Enterprise. For sea-borne visitors (until the service was discontinued) to the model shops of Hamburg, a model of Scandinavian Seaways' ferry Hamburg might be a nice souvenir.



**Holsatia Song of Norway**

## Hydra

Hydra have a huge range of mainly Baltic coastal ferries but also British ferries such Halladale (1950), Shepperton Ferry (1935) and Twickenham Ferry (1935), and the merit of being in production. Hydra also have an astonishing 38 models of British light vessels constructed round six individual masters with over twenty variations of Hydra HY-61 (all different station names), six variations of HY-67, three of HY-77 and four of HY-78. For the latest info check [www.hydra1250.de](http://www.hydra1250.de)



Hydra Shepperton Ferry (courtesy Jon Taft)



## Hydra Light Vessels

### K Modelle

K Modelle seem to be an offshoot of Hai which were perhaps produced as 'Specials'; they certainly do not seem to be readily available today. 25 models were listed although it is unclear if all were actually released; as to the models themselves, mainly WW2 USN amphibious auxiliaries, such as USS Ancon and Monrovia, but also items from much earlier such as USCG vessel Pamlico (1907), and much later for example Baltic Eagle (Ro-Ro 1980) and Esso Nederland (1956). The model illustrated has now been issued under the Hai name.



K USS Monrovia

### Kyle

A small high quality range produced in Hamburg and concentrating on German merchant ships from 1960 to the present day. In the past Kyle have also offered some spectacular dioramas showing German naval barracks, an AA emplacement and fire control bunker. Solitary model of UK interest is the floating crane Tog Mor - perhaps a model of the remains of the Mary Rose will be next.



**Kyle Tog Mor**

**Lloyd (& Binnen-Lloyd)**

Linked with Hai and a total of 46 merchant models released, of various nationalities. The range is quite diverse defying a brief summary and to illustrate this, how about the following – Abercraig (1937 ferry, Trustees of Dundee Harbour), Bima (1980 bucket dredger) and Fedor Litke (1909 icebreaker). There is just one other GB vessel in addition to the Abercraig, namely the 1914 ferry Riviera (South Eastern & Chatham Railway). Binnen-Lloyd is a small range of old Austrian and German river and lake steamers bringing back holiday memories perhaps!



**Lloyd Nedlloyd Bahrain**

**Mike's Modelle**

A new range with many aircraft but who's first major ship (paralleling a release by Argos) is the Russian battlecruiser Pyotr Velikiy.



**MM's Pyotr Velikiy**

## Nautik Art

A small high quality range produced in Germany; there are several containerships but the Akula in drydock is an eye-catcher. This is a different range to 'Nautik; listed under 'Others'.



Nautik Art's Akula in drydock

## Nautilus

A range of WW2 era warship models, mainly German and including many uncompleted types such as schlachtkreuzer O/P/Q, panzerschiffe 1 to 12, leicht kreuzer M/N and various spahkreuzer (scouts). The only 'foreign' ships are a soviet Ognyevoi class destroyer, and from the RN a heavy cruiser design that was abandoned in 1940. Some years ago at Theale someone in touch with the manufacturer stated that three RN types were produced – a 15350 ton 6" gunned light cruiser (possibly the cancelled Neptune class of 1944), a 1940 Lion class battleship and a heavy cruiser design that was abandoned in 1940; only the latter is listed (NT 11) and does indeed exist; unfortunately it cannot be confirmed if the others were ever issued. Availability of Nautilus is poor.

Cat	Listed as	Details (Entwurf = design)
NT 01	U Boat Type 126W, 1944	nothing found, presumably a Walter design
NT 02	U Boat Type XVIII, 1944	ocean going Walter boats U796, 797; uncompleted
NT 03	U Boat Type XXVI B, 1944	sea going Walter design, none completed
NT 04	U Boat Type XXII, 1944	coastal turbine type, abandoned in favour of Walter types
NT 05	Elbe II, ex Potsdam, 1942	auxiliary aircraft carrier ex-liner, uncompleted
NT 06	Spahkreuzer Z40 – 42, 1942	scout cruisers – renamed SP 1 – 3, 1 <sup>st</sup> only LD, uncompleted
NT 07	KSB 1 – 27, 1943 (Kriegssperrbrecher)	war auxiliary minesweeper, none built
NT 08	Kleiner Seeflugzeugtrager, 1942	seaplane carrier – no details found
NT 09	Motorenkreuzer 1938 Entwurf MAN, 1938	1938 cruiser design – no details found
NT 10	Panzerschiff P 1 – 12, 1939	Z plan 25,000 ton battlecruisers, none laid down (LD)
NT 11	Kreuzer Entwurf 1940A, 1940 British	18,749 ton heavy cruiser design, 3 triple 8", none built
NT 12	T 52 – 60, 1944	fleet torpedo boat (equivalent to a destroyer), none built
NT 13	Schlachtkreuzer O/P/Q Entwurf 1939	Z plan 32,300 ton battlecruisers, none laid down
NT 14	Castor, 1941	icebreaker, lost 1945, became Soviet Peresviet in 1951
NT 15	Ognyevoi class, Soviet, 1945	destroyer
NT 16	Geleittrager Hansa C, 1942	Escort carrier, merchant conversion – no details found
NT 17	Leichter Kreuzer M/N Entwurf 1938/39	2 ('M' & 'N') Z plan CLs, scrapped on slip 1941 – 43
NT 18	Zerstorer 1938 B	mass production destroyer type, 2 twin 5", none built
NT 19	Geleitzerstorer 1942/43	escort destroyer – no details found
NT 20	Kleiner Kriegzerstorer 1943	small war (emergency?) destroyer – no details found
NT 21	Leichter Kreuzer O/P Entwurf 1938	Z plan light cruisers, 'O' scrapped as 'N' above, P not LD
NT 22	Leichter Kreuzer Q/R Entwurf 1938	Z plan light cruisers, neither laid down
NT 23	T 151 – 158 ex V 151 – 158, 1939	tenders, converted from 1907/08 torpedo boats
NT 24	T 107 – 111 ex G 7 – 11, 1939	as above, former sea-going torpedo boats
NT 25	TA 7 – 8 ex ZN 4 – 5 (N), 1942	requisitioned Dutch destroyers, sabotaged & not completed
NT 26	M 25 – 36, M-boat type 1938	Minesweeper type 1935, in service
NT 27	Kanonboot 1938 Entwurf 1938	design for a small 1390 ton gunboat
NT 28	Spahkreuzer 1938 AC	original Blohm & Voss design for a scout cruiser (see NT 6)
NT 29	Kolonial Kanonenboot K 1 – IV, 1939	design for a 2100 ton gunboat, for Colonial service
NT 30	Lutzow/Seydlitz, schwerer kreuzer, 1939	final 2 of the Hipper class cruisers, had they been completed
NT 31	H44 class	German battleship design

Nautilus Models (from a list dated 1987, German ships unless otherwise stated)

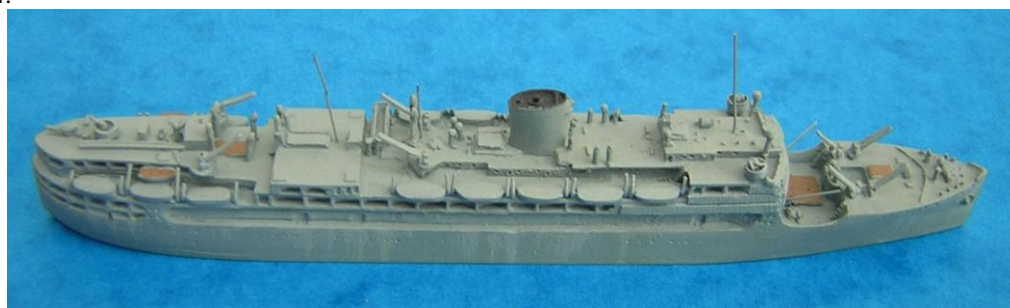


**Nautilus German M/N cruiser**

**Noordzee**

A superb range for once produced outside Germany, in fact in the Netherlands, which is fairly self-evident given that the vast majority of models are of Dutch ships.

GB vessels were the landing ship Queen Emma (1942), hospital ship Oranje circa 1941, Macoma, both as an oiler and as a merchant aircraft carrier, Ministry of War transport Dempo and the Johan van Oldenbarnevelt as a RN transport circa 1944. Among the last models were the MV Kedoe, 1921 Rotterdamsche Lloyd (also issued as MV San Francisco in Johnson Line colours) and the Boissevain, in original merchant colours & in wartime service with the RN and finally Kota Gede as a USN AP circa 1944.



**Nordzee transport Dempo**

**RG**

A range of primarily merchant ships, mostly from the period 1890 to 1940; several British ships are included, as listed below. China and Haverford both appeared second-hand at a recent swapmeet – it is always worth looking.

China	1896	liner	P & O	Otway	1914	AMC	
Arabia	1898	liner	P & O	Minnewaska	1915	troopship	
Oceanic	1899	liner	White Star	City of Milan	1921	freighter	Ellerman
Lake Champlain	1900	ferry	Canadian, line unknown	Mulbera	1922	liner	British India
Haverford	1901	liner	American Line	Athenia	1923	liner	Anchor-Donaldson
Carpathia	1903	liner	Cunard	Bulla (ex Hessen)	1923	freighter	C'wealth Gvt Line
Empress of Ireland	1906	liner	Canadian Pacific	Inverglass	1924	tanker	Inver Tankers Ltd
Megantic	1909	liner	White Star	Airthria	1929	freighter	Donaldson
Minnewaska	1909	liner	Atlantic Transport Line	Scottish Borderer	1923	tanker	Tankers Ltd
Otway	1909	liner	Orient Line	Sutherland	1935	freighter	Suth. Shipping
Leicestershire	1909	freighter	Bibby	John A McDonald	1959	icebreaker	Canadian CG
Wiltshire	1912		Federal				



**RG China (P&O, 1896)**



**RG Otway (as an AMC, 1914)**

**Schlingelhof (HDS)**

Medium quality white metal kits, also at one stage available from German Mail Order shops assembled and painted. The kits were also marketed by Model Figures and Hobbies (MFH) of Northern Ireland under the name HDS-Ensign and the major features of the range are described under the Ensign entry in the survey. Some years ago I bought some modern French Agosta class submarines directly from Herr Schlingelhof, these particular models having been released during a lengthy period of inactivity by Ensign, but they were considerably more expensive than equivalent models produced by MFH. It is believed the maker has passed away.

**Star**

Good quality white metal kits, now out of production, with minimal stocks perhaps still held by the sole distributor L. Wiedling of Germany. At its peak Star produced 171 models ranging from the American Civil War era to the present day. ACW vessels consume nearly a quarter of the catalogue with both Union and Confederate ships (see list below). The remainder of the range is quite extensive in its scope, covering submarines, destroyers, cruisers and battleships from a dozen nations or more, and including many ships not available elsewhere; to list a few examples all worth looking for, how about – SSN USS Triton, cruiser Ping Hai, soviet destroyers Tashkent (WW2) and Novik (1954, one off predecessor of the Kotlin class), Brazilian Battleship Minas Geraes (WW2 appearance), polish destroyer Blyskawica (1937), modern Dutch destroyer Holland, WW2 AMC Coronel, and the same ship when converted to a radar direction ship and re-named Togo; and WW2 Italian colonial sloop Eritrea. This brief list illustrates the scope of the Star range, which although quite sought after in the UK does not seem to have been that popular on the continent, possibly because they were mainly sold as kits. Lists of British & Commonwealth ships and American ships follow.

R3	HMS Dreadnought	1960 nuclear sub	R108	Albatross	1928 seaplane carrier
R4	O class sub	1959, RN	R111	Juno	1962 RN Leander class
R11	LST 2	1943	R115	Upright	1941 RN submarine
R11a	LST 2	modified, 1943	R116	United	1940 RN submarine
R13	HMS Terror	1916 monitor	R119	Viking	1944 RN submarine
R24	HMS Roberts	1941 monitor	R122	Blackwood class	1957, RN frigate
R49	HMS Thule	1942 RN submarine	R129	Deerhound	1860 British yacht
R50	HMS Turpin	1942 RN submarine	R142	Ladybird	1915 RN patrol boat
R84	Leander class	1961, RN frigate	R149	Swale	1944 RN frigate
R86	Hunt IV class	1942 RN escort destroyer	R156	HMS Exeter	1929 heavy cruiser
R86a	Hunt IV	modified version, 1942	R160	Loch class	1944, RN frigate
R105	Leith	1933 RN sloop	R163	Thunderbolt	1943 RN submarine



**Star RN Blackwood Class**

R1	USS Thresher	1962 SSN	R39	USS Sims	1943 fast transport
R2	USS Skate	1957 SSN	R43	LCT 8	1944
R6	USS Bogue	1941 escort carrier	R44	USS Triton	1958 SSN
R11	LST 2	1943	R54	USS Agile	1952 minesweeper
R11a	LST 2	modified, 1943	R55	Campbell	1936 Coastguard cutter
R14	Fleet Snorkel	1945 sub	R58	USS Claude Jones	1958 frigate
R15	Guppy I	1950 sub	R60	USS Bass	1925 submarine
R16	Guppy II	1950 sub	R67	USS Chopper	1945 submarine
R18	USS Casablanca	1943 escort carrier	R92	USS Lejeune ex Pretoria	1946 transport
R30	Commencement Bay	1944 escort carrier	R117	Owasco	1944 Coastguard cutter
R37	USS Bluebird	1959 minesweeper	R158	USS Barrett	1951 fast transport
R38	USS Suffolk County	1956 landing ship	R159	USS Andrew Hamilton	1962 SSBN

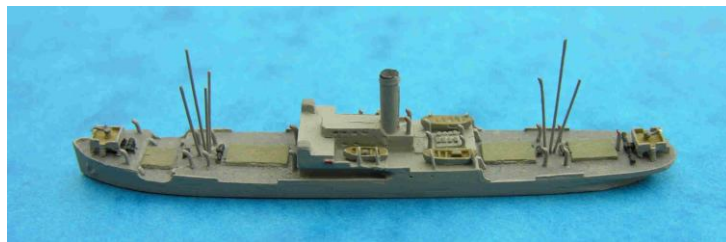
#### Star USN Ships

R96	Queen of the West	1862 USA	R125	Chicora	1863 USA	R139	Cricket	1864 USA
R97	Banshee I	1862	R126	Colonel Lamb	1864 CSA	R143	floating battery	1861 CSA
R98	Selma	1864 CSA	R127	Choctaw	1863 USA	R144	Osage	1864 USA
R99	New Ironsides	1863 USA	R128	Palmetto State	1863 CSA	R145	Nashville	1861 CSA
R101	Miami	1861 USA	R130	Custis	1863 USA	R151	Indianola	1862 USA
R102	David	1862. CSA	R131	Tallahassee	1863 CSA	R152	Chickasaw	1863 USA
R103	Tinclad	1862 USA	R132	Alliance	1863 CSA	R153	Bridgeport	1861 USA
R104	Alabama	1862 CSA	R133	Albemarle (ram)	1863 CSA	R154	Ozark	1863 USA
R106	Comm. Perry	1861 USA	R134	Tyler	1861 USA	R155	Lafayette	1864 USA
R107	Keokuk (ram)	1863 USA	R135	Switzerland (ram)	1862 USA	R164	Flamingo	1864 CSA
R109	Moserfloss	1862 USA	R136	Essex	1862 USA	R165	Shenandoah	1864 CSA
R123	Attrappe	1863 USA	R137	Black Hawk	1862 USA	R166	General Price (ram)	1863 USA
R124	Mars	1863 CSA	R138	New Era	1862 USA			

#### Star ACW ships

#### **Welfia**

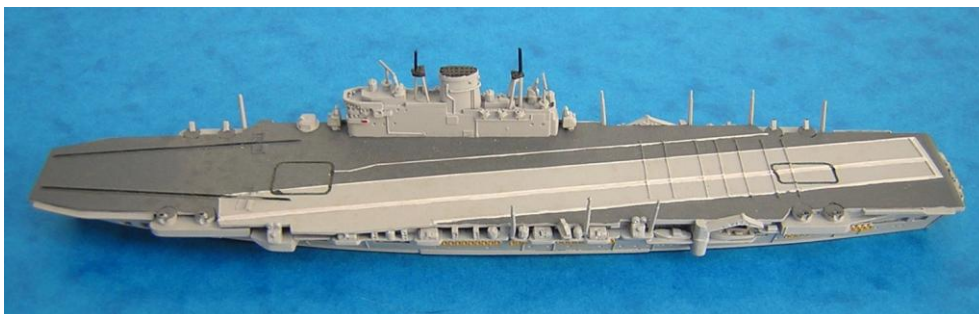
A large (circa 200) and fascinating range of merchant ships, yachts, small warships, harbour accessories, buildings, vehicles and naval fortifications. The ship models are almost entirely German and date from the 1890s to 1945, with the majority from the latter half of the period. All sorts of merchant ship are produced including liners freighters, tankers, and even fishing vessels and cable-layers; the naval side is represented by a variety of minor warships, such as frigates, patrol boats, motor minesweepers and MTBs. There are just a few British ships, namely the 1922 tanker British Corporal, the freighters Inchcolm dating from 1909 and John Ericsson from 1896; RN warships are three types of motor minesweeper (MMS) and Fairmile B motor launches in standard configuration and serving as an ambulance launch. In addition there are half a dozen items relating to the Normandy Mulberries (also see Trident), and perhaps of most interest two listings given as 'coastal battery, Plymouth 1910' and merely 'naval fort, 1939'.



**Welfia Salzburg (1941)**

#### **Westfalia**

Only a very small range, but worthy of a special mention in any UK biased survey by virtue of their models of the fleet carriers Eagle and Ark Royal, as completed in the 1950s. The models are resin castings of superb quality.



**Westfalia HMS Eagle**



**Westfalia HMS Ark Royal**

### **Other Continental Manufacturers**

Much of the information presented below has been taken from the model news section of the Hamburger Rundbrief supplemented by listings in L. Wiedling's catalogue (see Annex A). Availability of some of these ranges will be difficult.

Aegir: Brocklebank Line freighter Marwarri of 1935, SS Clement in grey circa 1939 and Silverfir (1924) released in 1998 – later releases, all British ships are 1928 freighter Burdwan, Beaverford (1928 & 1940) and Watarana (1919). New for 2003 were Ripley Castle in 1919 and Devon City in 1933 & 1940 guises (catalogue nos. AE579a & b).



**Aegir Ripley Castle (courtesy Jon Taft)**

Albert: sailing warships from the period 1750 to 1820; availability unknown.

Aquarius: men o' war from the 17<sup>th</sup> and 18<sup>th</sup> centuries from the British, French, Dutch and Spanish Navies; over 30 models are listed but only half a dozen priced e.g. Sovereign of the Seas (1637); others presumably not yet produced; also ACW warships.

Atlantis Alpha: a new range made in Switzerland; so far a few mid-19<sup>th</sup> century warships; check [www.atlantis-1250.ch](http://www.atlantis-1250.ch).

Baltica: a few German merchantmen mainly from the late 1970s; one Dutch ship Super Servant 1 (1979); availability and quality not known.

Berolina: manufactured during the late 1950s; about 20 German ships, freighters and liners.

BESCH: parts to help build a container port.

Biederkarken: a couple of dozen modern merchants with many variations on a theme including the 1976 reefer Tuscan Star (cat # 23m) and P&O's Wild Fulmar (#23r); quality superb.



**Biederkarken Tuscan Star**

Binkowski: of interest to British collectors if only for superb models of the Queen Elizabeth and Queen Mary as wartime troopships (now produced by CM).

BM: various German merchant and auxiliary warships over the period 1857 to 1960; about 20 models produced including one UK vessel, the 1950 passenger ship Moreton Bay.

**BS:** mainly modern German merchants available only from Galerie Maritim (see Annex A); first two releases were the containerships Carolina (1991) and Contship Lavagne (1995); BS 4 is the containership Trave Trader (1994).

**B/V:** German post-war merchantmen; about 30 different; nothing further known.

**Collecta:** these models seem to be mainly 'modern' (1980s/90s) sailing ships although COLL 01 is a 1993 Indonesian passenger vessel, the Ceremai and 05 the 1994 containership Hamburg Express; also includes the 'Sottpuster' series: 19<sup>th</sup> century merchantmen such as the British freighters Dryden and Gulf of Ancud.



**Collecta-Sottpuster Dryden**

**Copy:** this new series using the old Copy name features mainly Russian warships from the late 1800s/early 1900s – see the Mercator entry.

**Dedo:** originally only German modern tugs but more recently the 1994 Ro-Ro Fichtelberg (ex Spirit of Dublin).

**DH:** German WW2 minor warships.

**DOESEMA** (aka Seagate) : first three releases are the drilling rig Galaxy I in various configurations, fourth is the 1978 crane ship Balder. The models are hand built in brass and aluminium and not likely to be widely available.

**EH:** just over a dozen ships listed of various European nations, including five 19<sup>th</sup> century Austrian auxiliaries; amongst the most modern is the soviet icebreaker Kapitan Sorokin.



**EH Kapitan Sorokin**

**Eneris:** medium quality resin models including a couple of merchants and a number of RN warships and auxiliaries from the 1960s and 1970s, as follows – Invincible, Fearless, Lion, Bristol, Lynx, Leander, Amazon, Ton class, Torrent, Eddyfirth, Reclaim; these particular models are probably available second-hand only. Eneris did produce models in metal especially on behalf of Waterline International (nee Italia), e.g. the Olterra.



**Eneris Italian tanker Olterra**

**Foerde:** German naval auxiliaries of WW2, the majority converted merchant ships, and Sperrbrecher (blockade runners). Many are camouflage painted and the overall standard has been assessed as 'Hansa plus'.

**Fuchs:** modern German merchantmen, FU 15 is the Anita, 1952; another is the tug Oceanic, 1968 (FU 27).

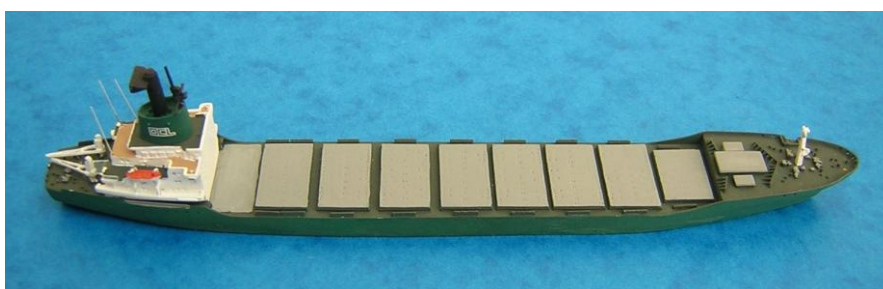
Galerie Maritim S: a small series of early merchantmen produced especially for the shop of the same name.



**GM St Cergue (1940)**

GEM: new in 1995 with their first release being the Cutty Sark, 1870; second model is the Thermopylae, another tea clipper, followed by the Sagres, a Portuguese training ship dating from 1961. Also listed is the American Thomas S. Lawson (1902).

Granat: a fairly random selection, probably ships of particular interest to the manufacturer; GB collectors might like the 1983 tug Maersk Cutter and OCL's container ship Encounter Bay; the latter has been released in two versions with different funnels.



**Granat Encounter Bay**

GS: a variety of models and accessories virtually all from the early 1900s and all German; availability poor.

H2O: French and American ironclads; also modern and WW2 submarines; only a few models to date although H2O 11 is listed as Empire MacAndrew, 1942 British Merchant Aircraft Carrier. The models are made of resin.

H and B: highly detailed small range of mainly WW2 era Japanese auxiliaries; most well known is the liner Hikawa Maru in three guises – merchant, hospital and repair.



**H&B JMSDF auxiliary Towada**

Hammonia: a large listing of German merchant vessels from the turn of the century to the present day; seemingly unobtainable, quality unknown.

Hermann: Warships of South American navies circa the 1890s.

Herpa: three plastic ship models – container ships Frankfurt Express & Evergreen and modern cruise liner Europa; just the Evergreen in current production; standard good.



**Herpa Europa**

HF: mainly Japanese, Italian and American submarines of WW2.

Intug: modern tugs, mainly Belgian but also the British Lady Alma (1996).

Iskra: mainly resin cast models of modern USN amphibious warfare types, ships and aircraft, also 1987 Dutch oil platforms Smit Semi 1 and 2, quality is fair.

JB: 1930s and 40s German patrol craft.

JK: Japanese merchantmen circa early 1940s.

KM: various Kriegsmarine seagoing torpedo boats, minesweepers and the auxiliary Togo as a supply ship, raider (re-named Coronel) and radar ship; also the raider Pinguin.

Kreis: inexpensive range of harbour accessories, mainly buoys as used in German harbours and waterways during different eras.

Kü-Mo: almost nothing but German ferries.

Laiva: a range specialising in polar exploration vessels, namely (to date) Fram, Groenland and Gauss.

LH: a small range of merchantmen issued as both kits and assembled/painted; nine GB ships were listed including the freighters Lorient (1919), Datetree (1914), Borthwick (1920) Sutherland (1945) & Maindy Transport (1920), tanker San Fraterno (1913), liner Orient (1879), coastal freighter Cornish Trader (1920) and the Britannia dating from 1840.

Luna: Not much is known of Luna, in spite of a listing of in excess of 100 models. The first half of the range, all thought to be out of production, is composed almost entirely of German merchantmen and naval auxiliaries from the 1920s to 1940s; the second half of the range is mostly sailing ships, each model being offered in three versions which, subject to my translation ability, are 'sails set', 'sails furled' or 'masts only'. Some examples are – Horst Wessel, Amerigo Vespucci and Cutty Sark. Later models such as Pamir (German, 1905) are reworked to an improved standard. Later models are Soviet training ship Sedov from 1922 plus some floating accommodation/offices

MaRu: as the name implies, primarily Japanese merchant ships from WW2, but also British and German types; smaller models are metal, others are resin.

Mare Nostrum: their first passenger ship model as of late 2014 is the liner Monterey after her late 1980's rebuild. Contact is Florian Österreicher atflo.oest@gmx.at



**Mare Nostrum Monterey (Courtesy Thad Constantine)**

MK: a minute range of less than 20 modern merchant ships (albeit with variations), plus a single 'special' model 1960 paddle steamer Kaiser Wilhelm; quality excellent. The final release MK-17a was the former Snow Ball when under charter to Blue Star in 1986 as the Savona Star.

Mowe: new in 1994; first model is the German tug/tender Retter (Norddeutschen Lloyd, Bremen 1885), second/third two incarnations of the German 1902 freighter Andree Rickmers.

Nautik: a series devoted mainly to modern tugs and harbour craft, first four releases are all German vessels.

Navalis Moguntia: Catalogue number GG44 is a superb model of Finnish icebreaker Fennica (1993); later models are modern Finnish ferries such as the Mariella, 1996

Nordica: 1989 Norwegian ferry Konprinz Harald in either Color or Jahre Line colours, Silja Line ferries Svea (1985) and Wellam (1986) with more of the same planned.

Nord-Ostsee: (also known as Nordsee-Ostsee Kanal or NOK) small eastern bloc merchant ships to be seen in the Kiel Canal; reportedly some of the vessels also find their way to GB east coast ports.

Old Salt: one release known of – Glenachulish, 1993 British ferry.

Omega: minor warships spanning the period 1910 to 1945, with the following British vessels – Grey Goose, LCT4, MGB75, MTB205, destroyer HMS Whitehall (all WW2); also British tugs HS 15 type (1917), Manchester (1920, ex HS 15), Sturdy (1912) and Joffre (1916 with the Lawson Steam Tugboat Co. Ltd & as in 1949 owned by Batey Tugs Ltd).

Padermodelle: Various OSVs and icebreakers, also 1986 Boeing jetfoil in the livery of different owners and America's Cup yachts including Camper & Nicholson's Endeavour (1989).

**Pharos:** a range of German and Danish light ships and lighthouses plus a model of the Needles, both rocks and lighthouse; available.

**Phoenix-Reisen:** this German cruise ship operator sells on board and via its website 1/1250 full hulled plastic models of its three ships, namely Albatros, Amadea and Artania (ex P&O Cruises Artemis, ex Royal Princess).



**Pontos:** German ships Lagune (out of production) and Antuco; nothing more known.

**Poseidon:** a medium size range, unfortunately out of production, but which did include several British merchant ships; quality not known:

Antenor	1924	Blue Funnel	liner	Franconia	1937	Cunard	liner (white hull)
Glenberg	1936	Glen Line	freighter	Carinthia	1938	Cunard	liner (black hull)
Port Fairy	1937	Port Line	freighter	Denbighshire	1939	Glen Line	freighter

**Quadrant:** Resin models made in France; very detailed, well painted. Initially French warships, mainly destroyers, from the period 1955 to date; nearly 40 listed but only 13 released to date and all variations of the T47. The destroyers seem to have been abandoned in favour of a few larger vessels e.g. USS Franklin D Roosevelt (1960s appearance) and TCD Foudre, the former complete with a full deck load of aircraft and vehicles. Also produced were USS Lafayette (1942), USS Shangri-La (CVA 38), USS Newport News (CA 148), the CVN Charles de Gaulle and 38 various post-war USN submarines.



**Quadrant French landing ship Foudre**

**RA:** a mixture that includes British ferry Forde (1928) and a Russian monitor from 1865, also Swedish 19<sup>th</sup> century monitors. Only four models are currently catalogued, gone is the 'Gibel Tarik', a British ferry circa 1919.



**RA Gibel Tarik (courtesy Jon Taft)**

**Red Tape:** French ships of the line 1790 – 1810 period; latest is #3 Redoutable, 1805.

**Remo:** Initially U boat bunkers – Elbe II at Hamburg, also Trondheim, Lorient, Kiel and La Rochelle, but more recently ships too such as the modern Russian auxiliary Alexandr Brykin.



**Remo Alexandr Brykin (courtesy Wede website)**

RFR: modern merchants – Reefers, Ferries and RO-Ros; including the 1985 British OSV Cam Guardian and the St Helena (1990), a small freighter/passenger ship which operates between the UK and the island St. Helena, via Tenerife and Ascension; also a series of British ferries has been listed – Free Enterprise VI, 1985 (RFR6), Pride of Sandwich, 1989 (RFR6A), Viking Venturer, 1974 (RFR7), Viking Valiant, 1986 (RFR7A), Pride of Le Havre, 1989 (RFR7B), Pride of Cherbourg 1989 (RFR7C), Island Commodore 1995 (RFR12) and Commodore Goodwill 2009 (RFR12A); seemingly RFR7 and its variants were never released..



**RFR Pride of Sandwich**

Rodkling: Harbour parts and accessories with about 50 items listed – available.

Rostocker Schiffsminiaturen (RSM): a series from the former DDR; to date some 20 sailing vessels from the Herzogin Cecilie (1902) to the Greif (ex Wilhelm Pieck) (1991), also some modern merchants to a very high standard.



**RSM Danish bark Alexander Von Humboldt (1989)**



**RSM Northwest Shearwater (BP, 1991)**

Sailing Maritime: sailing ships, for example – Sea Cloud (1982), Sovereign of the Sea (1852) and Padua (1926).

Schiff & Schiene: modern Swedish ferries, for example Frans Suell and Diana II (both 1992).

Seaborne: German offshore support vessel (OSV) types.

Sedina: various German merchant ships dating from the Siegfried (1904) to the Marienburg (1944); also the latter in Russian hands circa 1948 as the Lensowjet.

Seestern: catalogue no. SEE 14 is the royal yacht Victoria & Albert in 1901; nothing else known.

Sirene: highly priced, extremely limited availability series of resin models produced in Belgium – modern warships and auxiliaries, icebreakers and more recently merchantmen (nothing British); quality excellent.



**Sirene French replenishment ship Durance**

Smaers: small range of resin merchant-ship models, including at least one British – Harbledown 1933 owned by J & C Harrison.

Stauffenberg: a small range normally only found at collectors meetings in Germany; examples seen are the old protected cruiser HMS Imperieuse and the 1995 release HMS Alexandra (1887). SM20 is the armoured cruiser Rurik.



**Stauffenberg HMS Imperieuse**

U9-Modelle: 1930 – 1940 era German support vessels such as tugs and icebreakers.

UVM: various modern Norwegian and Swedish merchantmen including at one point Fred Olsen's Black Prince (1992 appearance).

Vagel Grip: mainly East German merchant ships; 32 catalogued and seemingly all available. A typical release is the 1994 ferry Neustrelitz, a former East German vessel.

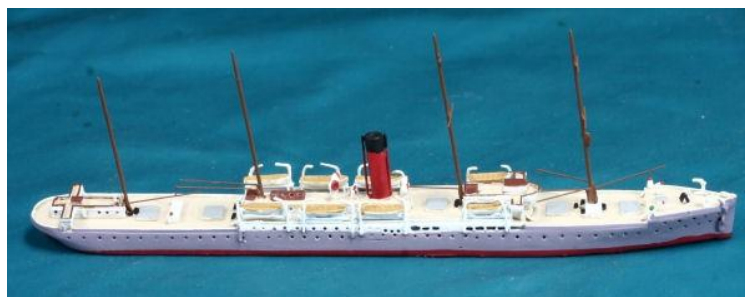
Vindebona: a range of 27 modern European merchant ships; just one British ship – 1967 bulk freighter Pacific Bridge (V26). Originally only available at meetings in Germany, and very probably only those local to the producer. Some have been re-issued by Optatus including the Pacific Bridge (catalogue # OL-V-8).



**Vindebona Stena Seaspread**

WDS (Welt der Schiffsminiaturen): a range of about 30 models, split between mainly Dutch and German merchant ships and the same called up for war service. British vessels are below. The Lizenz models are re-issues of other makes.

WDS-1	Walmer Castle	1872	K-L9	HMS Ulster Queen (AA)	1942
WDS-SM01	Pembroke Castle	1884	K-L10	HMS Prince Robert (AA)	1943
WDS-11	Iolanda	Yacht, 1911	K-L11	HMS Prince Henry (AMC)	1941
WDS-K-2	Dempo	MoWT 1941	K-L12	HMS Boxer (LST (1))	1943
WDS-K-4	Indrapoera	MoWT 1940	K-L15	HMS Victory	1805
WDS-K-11	HMS Savage	1943	K-L26	HMS Palomares (fighter direction)	1944
Lizenz:			K-L63	HMAS Brisbane	1928
K-L3	HMS Forester	1940	K-L66	HMS Pozarica (AA)	1942
K-L4	HMS Hunter	1940	K-L73	HMS Warrior	1861
K-L8	HMS Tynwald (AA)	1942	K-L81	HMS Cavina (OBV)	1940



**WDS Pembroke Castle (Castle Line, 1884) (courtesy www.schiffmini.de)**

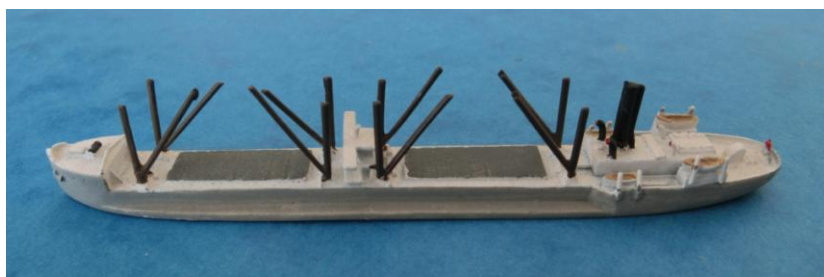
Yorck: another little known but large (circa 100) range specialising initially in German warships dating from the 1850s. This particular subject consumes the first 40 releases and thereafter early 20<sup>th</sup> century German merchantmen and WW2 auxiliaries, particularly minelayers, are addressed. In addition a few minor IJN war and landing ships, the repair vessel Komahashi, soviet and Italian WW2 destroyers and submarines are covered. Final listings are mainly Turkish warships (cruisers, destroyers and submarines) from the 1930s. An interesting early release is the Russian protected cruiser 'General Admiral', while the only British ships are a 'Z' class oiler (two different models showing the class in 1918 and 1940) and the WW2 oiler Chant 69.



**Yorck Ingo (German, 1926)**

X Modelle: completely unknown in terms of quality and availability but with nearly 80 models catalogued definitely worth a mention. Nearly a third of the models are Danish warships from the 1880s to the early 1960s. Other interesting ships are USSs Campbell and Duane (coastguard ships converted to serve as amphibious force headquarters), and a model of the transports used to bring Egyptian obelisks back to Europe. Two GB ships are listed, 1963 freighter Media and from 1822 the RN sloop Bramble. To illustrate the scope of the rest of the range there is the Liberian gas tanker Ultragaz Sao Paulo (1952), the turn of the century Japanese yacht Hatsukaze, and the Austrian passenger/freight ship Pannonia dating from 1896. There are also several other Austrian types including armed steamers, paddle-steamers, submarines and a small flotilla of Donau river craft.

Note: the Wiedling Ship Register lists 'X' as 'X Krtina' so maybe there is a link with Hai; also listed is 'XX Krtina' who give us the Romanby.



**XX K19 Romanby (Ropner, 1908)**

## CHAPTER 4 OTHER OVERSEAS MANUFACTURERS

### INTRODUCTION

Although the bulk of overseas model manufacturing occurs on the continent, there are a few producers further afield. Having established this division, several firms in this chapter are clearly European, but have been included because, like most of the other distant overseas manufacturers, the models are intended for the high end collectors' market. A brief history of the hobby in the USA follows, based on information provided by Paul Jacobs (& updated in 2011).

Waterline 1/1200 model production in the USA probably commenced in the early 1940s when various 'tool and die' companies started to manufacture Naval Recognition Models. The best known of these companies were Comet, South Salem, Bessarabis and Framburg. Comet issued a large line although many of their early models were quite crude. For example their first 'Nachi' was poorly detailed and incorrectly scaled but interestingly did show the cruiser in her 1932 configuration; their later version was much improved and survives today as a Superior model. Comet's models varied widely in quality with some being obvious copies of Wikings or Tremos. South Salem or Bessarabis, or possibly both, made a number of USN auxiliaries; these are popular with collectors but are now virtually impossible to find. Known examples are Pyro, Holland, Medusa and Henderson with the latter at least being copied by Superior. Comet continued production for both official and domestic customers until about 1961, although the name Authenticast was used for the last few years. Model boxes sometimes had both names and were also very colourful with a printed picture of the ship modelled within. When production ceased all remaining stock was offered up for sale with a lengthy list dominated by 1/500s but also including the following:

- 1942 Japanese Merchant Fleet, 1 complete set representing all merchant ships of Japan
- 1-1200 waterline, 50 ships all different, in 2 cases - \$500
- 1959 Russian ships and satellites (hand made)
- 1-1200 waterline, 35 ships, all different - \$350

Around 1963/64 a group of collectors acquired the Comet-Authenticast and Framburg moulds and launched Superior with an ambitious programme of re-worked originals and brand new models. Many of the models were cleared aimed at collectors with many esoteric types such as Japanese minelayers. In the 1970s Superior were taken over by Alnavco and the emphasis of the models changed to wargaming.

Returning to Framburg, their models were of uniform quality, very accurately scaled and of a very hard metal akin to Triangs. Paint finish was unimpressive. Production probably ceased in the mid-1950s although unlike Comet no post-war ships were modelled. Ship collecting in the USA today is predominantly for wargaming and 1/2400 has become the preferred scale with a wide variety of excellent models available. However in recent years some exciting new 1/1250 makes have appeared.

### ARTENAUTICA (ITALY)

A limited production run series of liners and cruise ships made from resin; seemingly were sold only via E-bay.



**Artenautica Adonia (P&O Cruises, 2011)**

### ESKADER (SWEDEN)

A small range manufactured initially in the 1930s by Wiking's local agent; in the 1950s production resumed with such ships as the liners Stockholm, Gripsholm and Saga and cruiser Tre Kronor; quality described as 'good' by Michele Morciano in his excellent booklet on Classic Waterline Ship Models from where this information has been taken.

### GRIFO (ITALY)

White metal kits (not many parts) of WW2 warships, which apart from a few indifferent submarines, are all Italian. The models are 1/1200 scale and to a wargaming standard but, when available, were priced accordingly. Best of the range are Italian heavy and light cruisers; also produced were destroyers, sea-going torpedo boats and a single battleship, the Vittorio Veneto. Production seems to have long since ceased.



**Grifo Italian cruiser Trento**

**KIWI (NEW ZEALAND)**

A large range of British Empire/Commonwealth merchant ships & warships from the 20<sup>th</sup> century available during the 1980s. The models were cast in polyester resin and to quote the catalogue ‘ it is often difficult to get the plastic to run into the intricate parts of the mould’ – this would perhaps account for the quality of the models as those which have been seen in the UK to date are singularly unimpressive. Kiwi have since faded away and their models are rarely seen.

**KONISHI (JAPAN)**

The current Konishi catalogue lists over 70 models including WW2 IJN warships, submarines & aircraft, passenger ships from the period 1898 to 1991, modern merchants and Japanese Maritime Self Defence Force (JMSDF) destroyers. It is understood that a commemorative Battle of Tsushima set is also being produced, initially for display, but thereafter as retail items. The IJN selection covers all five classes of battleship – Yamato, Mutsu, Kongo and Fuso with the Ise class shown both before and after conversion to battleship/carrier; nine aircraft carriers – Kaga, Shokaku, Zuikaku (same class), Hiryu, Soryu, Shinano, Junyo, Kaiyo and Akagi. Mutsu and Yamato both set records for main gun calibre on completion with, respectively, the first 16” (in 1920) and the first full outfit of 18”, in three triple turrets (1940). Shinano was converted during construction from a Yamato class battleship and was one of only two Japanese carriers, the other being the Taiho, to have an armoured flight deck.



**Konishi IJNS Shokaku**

All four main classes of IJN heavy cruiser (Myoko, Takao, Tone and Mogami), comprising 14 actual ships, are present with a total of 15 models listed. Apart from the Maya and Chokai which are shown as in 1944 and three of the Mogamis, all the ships are depicted as in the period 1938 to 1941. The four strong Mogami class features two as first completed circa 1935 with fifteen 6.1” guns (triple turrets), two with a revised armament of five twin 8” in 1939 and lastly the Mogami herself as converted to a seaplane carrier in 1943.



**Konishi IJNS Mogami**

Of light cruisers only the Tenryu is currently available but this model, showing the ship during the 1930s (albeit not significantly different from completion in 1919) is unique to Konishi. Listed for future release is the cruiser Oyodo. Akizuki, Kagero and Fubuki class destroyers, torpedo boat Chidori, and I16 and I400 submarines form the remainder of the

range. The Akitzukis were the last class of IJN fleet destroyer and, unlike earlier types, carried a heavy anti-aircraft gun armament and half the usual torpedo fit with just one quad mount. The I400 was a huge seaplane carrying submarine, in 1942 the world's largest submarine, with I16 a specialised attack boat mounting a heavy torpedo armament and able to carry a midget submarine on deck. IJN completists might also like to look at Trident.



**Konishi Diamond Princess (Princess Cruises, 2004) (courtesy Peter Anthony)**

For most collectors, Neptun and, to a lesser extent, Trident are perhaps the preferred sources for IJN models but there is a certain collectability in having Japanese-made models of Japanese ships. Most of the vessels are supplied in overall grey, although of the aircraft carriers at least, Zuikaku is supplied with a black, brown and green deck camouflage and both Akagi and Shinano have brown decks. The planes listed are Jake, Pete, Val, Kate and Zeke (Zero) as a fighter or fitted as a floatplane. Remaining models are listed below. Website is [www.konishimodel.sakura.ne.jp](http://www.konishimodel.sakura.ne.jp).

LINERS/CRUISE SHIPS			MERCHANT		
901	Fuji Maru	1989	1101	Humber Bridge	container ship 1988
902	Sanfurawa	1972	1102	Senshu Maru	tanker 1984
903	Hikawa Maru	1947	1103	Toluca	container ship 1991
904	Nippon Maru (old type)	1977	1104	Katsuragi	container ship 1991
905	Nippon Maru	1990	1105	Yamashiro Maru	freighter 1963
906	Kamakura Maru	1935	1106	Banshu Maru	LNG Tanker 1983
907	Queen Elizabeth 2	1983	1107	Chevron North America	ULCC Tanker 1976
908	Hitachi Maru	1898	1108	LNG Flora	LNG Tanker 1993
909	Argentine Maru	1938	1109	Cupid Arrow	Bulker 1995
910	Asama Maru	1929		JSMDF	
911	Crystal Harmony	1990	1001	Amatsukaze	missile destroyer 1965
912	Asuka	1991	1002	Shirane	helicopter destroyer 1980
913	Michelangelo	1965	1003	Tachikaze	missile destroyer 1976
914	Tenyo Maru	1908	1004	Hatakaze	missile destroyer 1985
915 *	Queen Mary	1940 ?	1005	Kongo	missile destroyer 1990

Konishi 1/1250 models (other than IJN)

**MERCURY (ITALY)**

Produced between 1953 and 1973 these were die-cast 'Triang' style 1/1200 models of mainly post-war Italian liners and a solitary warship, the 1930s light cruiser Raimondo Montecuccoli. The Oceanic came with a detachable lower hull and display stand. The full story of Mercury is documented in a 1994 booklet written by Michele Morciano.

Michelangelo/Raffaello	1965		Leonardo Da Vinci	1960	black hull
Fulvia	1970	ex Oslofjord	Leonardo Da Vinci	1966	white hull
Flavia	1971	ex Media	Victoria	1961	ex Dunnottar Castle
Enrico C	1967	ex Provence	Bianca C	1960	ex Arosa Sky
Eugenio C	1966		Franca C	1961	ex Medina
Australia	1963		Andrea C	1961	ex Ocean Virtue
Andrea Doria	1953		Anna C	1961	ex Southern Prince
Fredrico C	1958		Oceanic	1965	Home Lines
Venezuela	1956	ex De Grasse	Cristoforo Columbo	1954	

Mercury 1/1200 liners



**Mercury Fulvia (Costa, 1970)**

**MINI SHIPS (SPAIN)**

Produced circa 1959 – 1972 by a firm called Anguplas in 1/1200, this small range of mainly Spanish ships is listed below.

Canarias	as in 1953	cruiser (2 funnels)	Cabo San Vicente	1959	liner
Mendez Nunez	as in 1947	AA cruiser	Cabo San Roque	1957	liner
Galicia	as in 1950	cruiser	Virgin de Churruca		liner
Venezuela	1956	liner (Italian)	Diaz de Solis		freighter
Santa Maria	1953	liner (Portuguese)	Mequinenza		tanker

Catalogued but never released were the liners Constitution and Leonardo Da Vinci. The models were in the style of Triang, the liners being of fair quality but the rest pretty basic with oversize portholes; they also produced essentially Triang harbour parts. The ships came with a detachable lower hulls and display stands.



**Anguplas Santa Maria (Cia Colonial, 1953)**

**PILOT (DENMARK)**

A Danish contemporary of Wiking who produced an extensive range of warships and merchantmen; quality was similar to Wiking. Much more recently Pilot are thought to be the manufacturer of promotional models of DFDS/Scandinavian Seaways ferries; the latter are not to a constant scale and typically are about 1/1000.

**USA MAKERS PAST & PRESENT**

**California Models**

These are mostly modern (post 1945) civilian ships with connections to the USA. The emphasis on US west coast and Great Lakes ships. CA-8 is the 1914 British tug Eppleron Hall as in 2006 Details can be found at [www.1250ships.com](http://www.1250ships.com). The models are available from Wiedling.

**Dragon Wave Models**

These are 1/1250 models of cruise liners made primarily to be sold on the ships concerned; to date sister-ships Carnival Pride and Carnival Spirit have been released.



**Dragon Wave Models Carnival Pride**

**John Eagan Models**

A small series of resin cast models, mainly custom built, and looking similar to the Degen range. More details at [www.eaganships.com](http://www.eaganships.com) . Sadly Mr Eagan passed away in April 2016.



**John Eagan Tahitian Princess (courtesy '1250.com')**

**Great Lakes Models**

Great Lakes models have (had?) a small series of 1/1200 models – each available hand painted or in a decorative gold finish including Edmund Fitzgerald, Milwaukee Clipper, 600’ Bulk Freighter, a Diesel Tug and a Steam Tug. Motion Technologies had a series of ornamental models (seemingly now produced now by Great Lakes Models). The original models were cast in pewter or bronze, some were hand painted, others were given an antique finish. No longer available are Louis Girard Models (aka Chicago Models, aka Paperweight Models); presumably these are now quite collectable.

450’ Great Lakes Bulk Freighter	Great Lakes Crane Ship – 2 Cranes
550’ Great Lakes Bulk Freighter	Edmund Fitzgerald
600’ Great Lakes Bulk Freighter – 2 Deck Fwd Cabins	John Ericsson – Whaleback Bulk Freighter
600’ Great Lakes Bulk Freighter – 3 Deck Fwd Cabins	Milwaukee Clipper – Great Lakes Passenger
600’ Great Lakes Self-Unloader – 2 Deck Fwd Cabins	Roger Blough = Great Lakes Modern Freighter
600’ Great Lakes Self-Unloader – 3 Deck Fwd Cabins	South American – Great Lakes Passenger Cruise Ship
Amoco Great Lakes Tanker	Diesel Tug
City of Grand Rapids Excursion and Freight Steamer	Steam Tug
City of Milwaukee - Cross Lake R.R. Car ferry	Viking – Great Lakes Cross-Lake R.R. Car ferry
Coast Guard Icebreaker	

My thanks to GLM for the information presented here.

**Metal Miniatures**

Basically wargamers models covering most major navies of the 20<sup>th</sup> century; indifferent and inconsistent quality, and difficult to obtain (no credit card payment). Main interest is that some of the range are copies of early Comet and Framburg models. Although possibly still in business ([www.metalminis.com](http://www.metalminis.com) ) the ship models are no longer made or stocked.



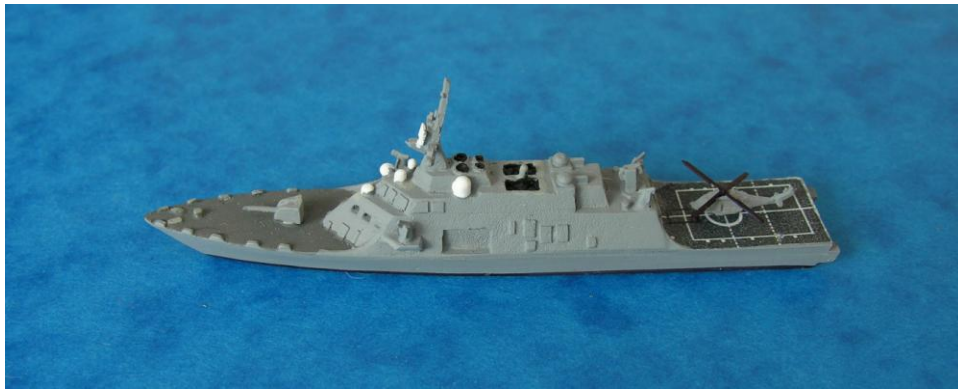
**Metal Miniatures Soviet cruiser Chapaev**

**Midway Models**

A small range of WW2 USN auxiliaries and submarines cast in resin; production long since ceased although the masters may have been passed to Clydeside.

**MZ Models**

These are in 1/1250 with the first releases being the USN’s Littoral Combat Ships USS Freedom, USS Independence and USS Spearhead (available as assembled/painted or kits).



**MZ Models USS Independence**

**North Head Miniatures**

This endeavor briefly produced a nice line of kits of 1860-80s warships from South American, Russian and Turkish navies and a few other navies too.



**North Head models display**

**Saratoga Model Shipyard**

A now well established manufacturer whose first model was the 1931 tug Magaud, a French naval type which also saw service in the British, German and Italian Navies during WW2 – a utility vessel if ever there was. The model is nicely cast in resin, fully painted with fine wire mast and davits. The range is now up to #37 (USS Chaumont, AP 5) and is just about equally divided between American and French vessels. Some examples illustrating the scope of SMS are USS Nitro (AE2, as in 1938), FNS Chateaufort (1902 cruiser) and USS New York (CA2, 1898).

SMY 1, 2, and 3 were originally issued in resin in limited numbers. Subsequently 1 and 2 were reissued in metal. Today, all SMY models are available except for 2, 3, 3a, 4 and 5 all of which are out of production and will not be produced again. The range is available via Wiedling whose website (see Annex A) has the latest information.



**Saratoga Model Shipyard USS Patoka**

**Shangri-La Ironworks**

A small but increasing range of 1/1200 resin kits addressing ships from 1914 – 45 so far overlooked by other manufacturers. The first releases include seven submarines plus two projected battleship types.



**Shangri-La Ironworks Italian Project 770 Pocket Battleship with a US K class sub (courtesy '1250.com')**

**Scherbak**

These are 1/1250 resin models of contemporary cruise ships available fully painted and in display cases. Check [www.scherbakshipmodels.tripod.com](http://www.scherbakshipmodels.tripod.com) for all the latest. Of interest to British collectors would be Cunard's Queen Mary 2 and Queen Victoria, P&O's Ventura (all included below) and P&O's Adonia. Also available is the 'Souvenir' series which are cheaper versions.



**Scherbak cruise liners (courtesy Alexander Scherbak)**



**Scherbak Ventura (P&O Cruises) – Souvenir series**



**Scherbak Caribbean Princess (Princess Cruises) – Collectors series**

**1200 Models (aka South Salem Copies)**

The best way to describe this make is to quote the manufacturers own words ' Below is the list of 1/1200 Scale Resin Waterline Ship Models I make. I got started when a friend showed me his boxed set of South Salem merchant ship models.

I found that these models were very difficult to find (never mind the price for originals) so he let me copy them to make resin models for my own collection. I decided to offer those that were not re-made by Comet or Superior to anyone else who might want a copy. I tell people that these aren't the best ship models I can make, but are the best copies of the original South Salem models I can make.

Number 1 Cruiser USS Olympia. This model of Admiral Dewey's Flagship at Manila Bay is a true 1/1200 scale. It is fully assembled, painted white, buff, wood, and gray as the ship is now displayed in Philadelphia, and mounted on a base. Overall gray "Manila Bay" versions available by special order.

Resin Reproductions of Rare WWII ID Models NOTE: prices are given as "Finished/Raw castings". Finished models have wire masts similar to WW II ID models and have been cleaned up, primed, sanded, painted gray and are mounted on a blue plastic base as per the photo. "Raw Castings" are just that—A complete set of castings, with minimal cleanup, no wire masts, and no base. Prices vary because in some cases it takes three pourings to make a full set of parts.

Number 2 "Modern Freighter-Split Bridge". This is a model of the standard British and Canadian-built "Fort" and "Park" type freighter. Unique to 1200 Models.

Number 3 "Passenger, New (2 Stacks)". Based on the rare South Salem ID Model #1, this ship has been identified as the famous Japanese liner "Asama Maru."

Number 4 Cruiser USS Portland, CA-33. An exact reproduction of the South Salem ID model, this historic cruiser is not available from any other source in 1/1200 scale.

Number 5 "Passenger, New (1 Stack)" Based on South Salem ID Model #2, this ship represents the Japanese Passenger ship Argentina Maru launched in 1939 or her sister Brazil Maru. This ship is not available from any other source.

Number 6 "Passenger, Old" This model, based on South Salem #3, has not yet been positively identified, but may represent a smaller English liner. This model is not available from any other source.

Number 7 "Standard Freighter, Old" Developed from South Salem #6, this model is an American tramp steamer of the "Lake" type.

Number 8 "Combination Passenger/Cargo, New" Based on South Salem #11, now identified as Goyo Maru.

Number 9 "Whaler" The South Salem Merchant ID model #16 represented the pre-war whaler Nisshin Maru #2.

Number 10 "Passenger, Coastal" This small passenger steamer is the well-known Peking Maru.

Number 11 "Engine Aft Cargo Ship"(S.S. #9) Reproduction of South Salem ID model of the Nagisan Maru.

Number 13 "Tanker, Old" Another South Salem ID model (#13) identified as San Diego Maru.

Number 14 "Trawler" South Salem's smallest model (#15), this little jewel is the ubiquitous Japanese trawler.

Number 15 USS Medusa, AR-1. This model is based on the extremely rare Bessarabis ID model of the Medusa, probably as she was about 1939. Fore and aft masts/booms on finished model are based on photos of Medusa.

Number 16 "Ols Three-Island Freighter". Originally thought to be "Biyo Maru" but now believed to represent the British Standard "A" or "B Type" freighter.

Production ceased many years ago.

### **Superior**

Perhaps the original wargamers series encompassing all the major navies of WW2 and to a very limited extent the Royal and Imperial German Navies of WW1; produced in a chunky 1/1200 originally assembled and grey painted but now as kits. Address of the manufacturer ([www.alnavco.com](http://www.alnavco.com)) is in Annex A.



**Superior USS Alaska**

### **1250 Models**

These are post 1945 warships in particular Italian, with one US ship and Dutch De Ruyter class cruisers. Details can be found at [www.1250ships.com](http://www.1250ships.com). These models are cast and produced in Germany and are listed by Wiedling.



**1250 Models Italian aircraft carrier Cavour (courtesy Chris Daley)**

**USA Models**

These are cast in resimmet with white metal parts and are available (currently limited) in the UK from Martin Brown and from Wiedling. The range is listed below. Some have been issued by MB Models as indicated.

USA MODELS	MBM ISSUES
USA-001 USS Flusser, DD, 1945	
USA-002 USS Canberra guided missile cruiser USA, 1957	MBM-10
USA-003 HMS Incomparable, projected CB /003k as kit	MBM-11 & 11k (kit)
USA-004 USS Langley (as seaplane tender) USA 1941 /004k as kit	MBM-12 & 12k (kit)
USA-005 Lyon (JY master) projected BB France /005k as kit	MBM-13 & 13k (kit)
USA-006 Canarias (JY master) CA Spain, 1937	MBM-15
USA-007 M Class (JY master) projected CL (1946), Germany /007k as kit	MBM-14 & 14k (kit)
USA-008 Alsace (JY master) projected BB (1945) France (not issued)	MBM-08k Alsace (kit)
USA-009 Amagi (JY master) projected CB (1924) Japan (not issued)	MBM-09k Amagi (kit)
USA-010 USS South Dakota (JY master) cage mast, projected BB (1920s)	MBM-17
USA-010a USS South Dakota (JY master) tripod mast, projected BB (1920s)	MBM-18
USA-011 HMS Lion (in grey) projected BB (1940s) / 011k as kit	
USA-011c HMS Lion (in camouflage) projected BB (1940s)	
USA-012 USS Clark, DD, 1940	
USA-013 ABSD1: 2 end pieces w/cranes/gates USA drydock, 1944	
USA-013a ABSD1: 2 central sections (need 8 in all) USA drydock, 1944	
USA-014 Kaiman Class, torpedo boat, Austria, 1905	

Those annotated 'JY Master' had the masters built by John Youngerman (see next entry)



**USA Model HMS Lion**



**USA Model French battleship Lyon (MBM issue)**

## Youngerman Ship Models

These models are available in either kit form or completed and are of warships from the period 1910 – 1960; the subjects are frequently ships which are not commonly modelled or which are just hard to find. Here is the current list; no more are planned.

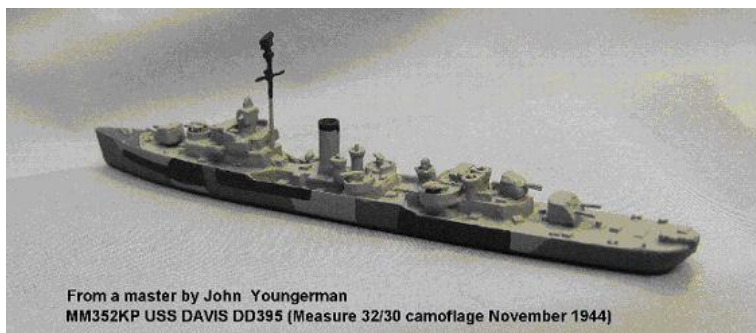
YSM001 L' Agile Destroyer France 1940	YSM-009K kit version of the above
YSM001a Le Fier Destroyer France 19xx	YSM-010 HMS Duke of Edinburgh Armored Cruiser 1916
YSM002 Etna projected Cruiser Italy 1944	YSM-010K kit version of the above
YSM003 USS Juneau II AA Cruiser 1951	YSM011 IJNS Fuso BB Japan 1916
YSM003K kit version of the above	YSM011K kit version of the above
YSM004 USS Montana projected BB 1945	YSM-012 HMS Engadine Seaplane Carrier 1916
YSM004K USS Montana (kit) projected BB 1945	YSM-012K kit version of the above
YSM005 Tre Kroner CL Sweden 1955	YSM-013 HNMS Gelderland, battlecruiser
YSM005K kit version of the above	YSM-014 German WW1 battlecruiser, GK10
YSM006 "modern frigate", details TBD	YSM-015 HMS 1921 "G3" class
YSM007 planned KM destroyer type, details TBD	YSM-016 Gascogne, French battleship, projected
YSM008 HMS Ben My Chree Seaplane Carrier 1915	YSM-017 German WW1 battleship L.20e
YSM008K kit version of the above	YSM-018 German Kriegsmarine light cruiser KH.1
YSM-009 HMS Abercrombie Monitor 1916	YSM-019 USS Lexington, battlecruiser

The line is currently all resin or "Resimet" (resin mixed with metal) for hulls, but details, turrets, etc. are metal. .



**YSM Swedish cruiser Tre Kronor (courtesy 'Antics')**

As of 2011 John Youngerman no longer produces masters for anyone except Hai. He gave up doing his own line and stopped working with 'USA' and other producers. In late 2013 he provided at least one master to Mountford, this being USS Davis (DD395).



**Youngerman/Mountford USS Davis (courtesy 'MMM')**

## CHAPTER 5 PLASTIC KITS

### INTRODUCTION

Although primarily a guide to cast metal or resin ships, the plastic construction kit has an important place in the history of the hobby, if only because many collectors started with this sort of model. In the early days 1/600 was the most common scale with Airfix the most likely source. The huge variety of 1/700s, mainly from Japan, gave a boost to plastic ship modelling, although as with 1/600s space for storage of the finished item is often at a premium. Thus for building fleets, either for display or perhaps wargaming, the smaller 1/1200 or so-called 'international recognition' scale, has no equal. As regards kits, the scale was first addressed by Eagle and as befits this founding company they have their own section in this chapter. Eagle were complemented by a few releases from the American firm Pyro who by arrangement with Eagle released eight of the models under their own name. Pyro seem to have been taken over by Lifelike, who continued to produce the various original models but, as far as is known, never re-issued any of the Eagles. The second section of this chapter, imaginatively entitled 'Other Makes' encompasses Pyro/Lifelike, Airfix, Heller, Nichimo, Bachmann and Casadio, the latter's masters having been used from time to time by Almark, Revell, ESCI, Modelpower and MPC. Recent developments have seen the re-issue by Round 2/Lindberg in the USA of the four Pyro/Lifelikes and two Eagles.

### EAGLE

Produced from September 1959 to 1963, Eagle were 1/1200 scale plastic kits and although designed as waterline models, lower hull sections were provided giving many possibilities for dry dock dioramas. The models were marketed in a number of 'Battle Series', each dealing with a particular naval battle of WW2; thus Series 1 covered the Battle of the River Plate and comprised models of the German pocket battleship Graf Spee and the cruisers Exeter, Ajax and Achilles. These last two were both light cruisers of the Leander class and Eagle in fact provided the same kit in two different boxes, with different sets of instructions. This was quite common with the net result that Eagle succeeded in issuing 42 kits from a total of only 30 moulds. Some of the smaller kits were also sold several to a box. Eagle adopted the approach, albeit only very occasionally, of providing extra parts to enable a particular kit to be converted to other similar ships – an example of this is the H class destroyer which included the additional parts to make F and I class ships. Some of the model masters were also re-worked with improved detail, one example of this being the King George V class battleship.



**Eagle HMS King George V**

Series 2 comprised just two ships, the RN destroyer Cossack and the German tanker Altmark, and not surprisingly was entitled 'The Capture of the Altmark'. The kit of the German ship later re-appeared in two other series, firstly as a British oil tanker and secondly as the Nordmark. Series 3 dealt with the Narvik battles of the Norwegian campaign and provided HMS Hardy (H class leader with extra 4.7" gun amidships), the H class destroyer already mentioned, HMS Kimberly, the battleship HMS Warspite and German destroyers of the Maass and Von Roeder classes. The Warspite kit correctly depicted the ship as modified between the wars, which of course made her substantially different from her four original sister ships. This subtlety was unfortunately missed or perhaps deliberately ignored by Eagle when they released Valiant at a later date. The hull of the Warspite was however basically sound and Warspite kits have formed the basis of very successful conversions to the other four Queen Elizabeths, all five R class and even the Chilean Almirante Latorre.

Series 4, which was released in about 1963, was the first example of multiple kits being provided in a single box and comprised 5 releases associated with the Battle of the Atlantic. This series was also the first example of a kit being listed for release but never actually issued – in this case the escort carrier HMS Campania. German vessels in the series consisted of five U-boats – Types XXI, IXc, IX, VII and II – in a single box, and the submarine depot ship Saar and tender (ex-minesweeper) Acheron, again in a single box. Allied participants were the Altmark/Nordmark masquerading as a British oil tanker, which in fact the latter did become in 1945 when she transferred to the white ensign as HMS Bulawayo, and two boxes containing HMS Balfour (Captain class DE) plus HMS Allington Castle (corvette), and HMS Peacock (Black Swan class sloop) plus HMS Lilac (Tree class trawler). Incidentally the Bulawayo survived until 1956 and was one of the few fleet replenishment ships to be operated by the RN rather than the RFA.

The next series, number 5, was the most ambitious so far, and addressed the sinking of the German battleship Bismarck in 1941. The series was listed to include eventually a total of 15 ships, two German and the remainder British although ultimately only seven were issued. Both German ships, namely the Bismarck and the heavy cruiser Prinz Eugen were

produced, as were HMSs Victorious (aircraft carrier), Prince of Wales and King George V (battleships – same kit) and Dorsetshire and Norfolk (County class heavy cruiser – same kit). Listed but not released were HMSs Ark Royal, battleship Rodney, battlecruiser Hood, the cruiser Suffolk (which incorrectly would probably have employed the existing County class kit) and finally four Tribal class which would have been repeats of the Series 2 kit. The Polish manned N class destroyer Poirun which took part in the actual battle was omitted. In the end it was necessary to wait until the mid-1970s to complete the Bismarck episode when Airfix filled most of the gaps and HMS Nelson was available from ‘Superior’ (see Chapter 4).

Series 6 which was planned to cover the sinking of the Scharnhorst must have been researched to represent the scene of the battle on 27 December 1943, because the German battlecruiser and her escorting destroyers were nowhere to be seen. In fact the only release was HMS Duke of York and this was a simple re-packaging of the King George V class battleship from the Bismarck set. Had it been completed Series 6 would have provided both Belfast and Sheffield class cruisers and S class ‘war emergency’ destroyers. At the time these were major omissions from the fleets of most collectors and would have been more than welcome. Series 7 was a bit of a ‘catch-all’ concentrating on German ships associated with commerce raiding, namely Tirpitz, Hipper, Nordmark, Admiral Scheer and Lutzow. The first three of these were duplicates of earlier kits (Bismarck, Prinz Eugen and Altmark respectively) although some examples appeared different in that the moulds were beginning to show signs of wear by this time. The two pocket battleships, however, were completely new kits and each featured a unique bridge arrangement, different again from the Series 1 Graf Spee. Series 7 was called ‘Fighting Merchantmen’.

Series 8 was entitled ‘the Battle of Matapan’ and for the first time was to include ships other than British and German. The Italian ships listed, namely the battleship Vittorio Veneto and heavy cruisers Zara, Fiume and Pola, which were just part of the force at sea when the battle took place, were sadly never produced and British Empire ships were also few in number, comprising HMSs Valiant (same kit as Warspite), Formidable (same kit as Victorious) and the light cruisers HMS Orion and HMAS Perth. For these two the original Ajax/Achilles kit was resurrected and whereas this was acceptable for the Orion, the Australian ship, although a derivative of the Leander class, had a markedly different appearance – two funnels instead of one. Listed for Series 8 but not commercially produced were the battleships Barham<sup>2</sup> and Warspite, and the cruisers Ajax and Suffolk. Had they been released these models would most likely have been re-boxed versions of earlier kits although the three old battleships, in spite of being from the same class, were all different, and significantly so, by WW2. Series 8 was the final battle series issued by Eagle and thereafter just one kit was produced, the German battlecruiser Gneisenau. This was released in a plastic bag and marketed under the name ‘Eaglewall Tabletop Navy’. The full list follows.

<b>Series 1 Battle of the River Plate</b>	HMS Balfour	escort destroyer } set
Admiral Graf Spee	pocket battleship	
HMS Exeter	heavy cruiser	HMS Allington Castle
HMS Ajax	light cruiser	corvette } of 2
HMS Achilles	light cruiser	<b>Series 5 Sinking of the Bismarck</b>
<b>Series 2 Capture of the Altmark</b>		Bismarck
HMS Cossack	destroyer	Prinz Eugen
Altmark	tanker	HMS Dorsetshire
<b>Series 3 Battle of Narvik Fjord</b>		HMS Norfolk
HMS Warspite	battleship	HMS King George V
H class	RN destroyer	HMS Prince of Wales
HMS Hardy	destroyer leader	HMS Victorious
HMS Kimberly	destroyer	aircraft carrier
Von Roeder class	destroyer	<b>Series 6 Sinking of the Scharnhorst</b>
Maass class	destroyer	HMS Duke of York
<b>Series 4 Battle of the Atlantic</b>		battleship
U2529	Type XXI }	<b>Series 7 Fighting Merchantmen</b>
U1231	Type IXC }	Admiral Scheer
U38	Type IX } set of 5	Lutzow
U27	Type VII }	Nordmark
U59	Type II }	Admiral Hipper
Saar	sub depot ship } set of	Tirpitz
Acheron	submarine tender } 2	<b>Series 8 The Battle of Cape Matapan</b>
Oil Tanker	British	HMS Valiant
HMS Lilac	Trawler } set of	HMS Formidable
HMS Peacock	Sloop } 2	HMS Orion
		HMAS Perth
		light cruiser*
		<b>Eaglewall Tabletop Navy</b>
		Gneisenau
		battlecruiser
		*model actually RN Leander class

<sup>2</sup> Some HMS Valiant boxes contained the original Warspite kit plus instruction sheets entitled HMS Barham – these were probably issued as the company was being wound up.



**Lindberg Eagle re-issues (courtesy Round 2 & Charlie Kucera)**

What can be said in summary of the Eagle range? They were directed at the schoolboy end of the market and in their time were virtually the only small scale waterline models of WW2 warships readily available in the UK. Typical prices were 1/11 (about 10p) and 2/11 (about 15p) and at the time they were much more affordable than the relatively expensive Triangs. Some of the kits were not overly accurate in detail but then there was nothing like the volume of published reference information that we take for granted today. Perhaps Eagle's finest hour was the RN H class destroyer and the Illustrious class fleet carrier; one other point that must be made is that as plastic 1/1200 (or 1/1250) scale kits, the scope of the range has never been equalled, nor is likely to be.



**Eagle bag art for the Gneisenau**

**OTHER MAKES**

**Pyro/Lifelike**

Pyro issued a variety of models with different ships names but in the final analysis only four different kits of WW2 vessels were produced – IJNSs Yamato and Shokaku, USSs Essex and South Dakota/North Carolina. The Essex class carrier was by far the best of these; Yamato had a triple 6.1” turret to starboard and multiple AA guns to port, an unlikely configuration (half way through her refit perhaps); the Shokaku, well at least she looked Japanese and was quite sought after at the time; the American battleship possessed the funnel arrangement of the North Carolina class and the length of the South Dakotas. Nevertheless the models were acceptable to the wargaming community, and could also provide the basis of modelling and conversion projects. The following table lists the models concerned by ship name, with the original Pyro and subsequent Lifelike catalogue numbers; the former were issued in plastic bags & boxes and the latter in boxes only . It is not known whether Lifelike covered all the original named Pyros. The four models were re-issued in 2015.

PYRO	LIFELIKE		Note	PYRO 'Eagles'
C-384	09401	USS Hornet	1	C-376 HMS Victorious
C-385	09402	USS North Carolina	2	C-377 HMS Warspite
C-386	09403	IJNS Yamato	5	C-378 HMS King George V
C-387	09404	IJNS Syokaku	3, 4	C-379 HMS Prince of Wales
C-388		USS Essex	1	C-380 KM Bismarck
C-389	09406	USS Washington	2	C-381 KM Prinz Eugen
C-390	09407	USS Lexington	1	C-382 HMS Norfolk
C-391		USS South Dakota	2	C-383 HMS Dorsetshire
C-392		IJNS Musashi	5	
C-393		IJNS Zuikaku	4	
C-394		USS Yorktown	1	
C-395		USS Massachusetts	2	

Pyro/Lifelike Plastic Kits

Notes 1: same kit, i.e. an Essex Class aircraft carrier.

- 2: same kit, unfortunately a mix of the South Dakota/North Carolina classes as described above.
- 3: Syokaku was the spelling on the kit instruction sheet.
- 4: Syokaku & Zuikaku represented by the same kit.
- 5: Yamato & Musashi represented by the same kit.



Pyro bag art for the USS Lexington



2015/16 Eagle and Pyro Re-issues

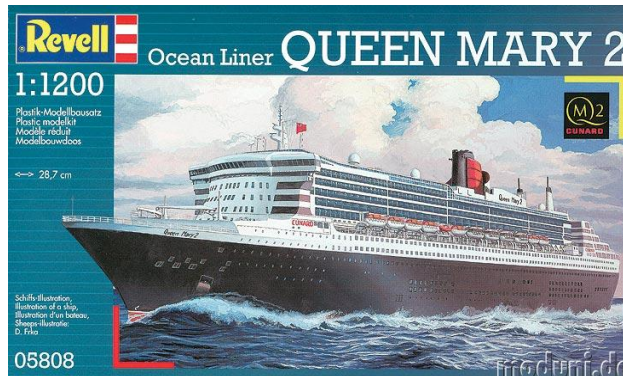
### Almark/Casadio/Revell

In 1973 the publishing company Almark distributed a limited series of 1/1200 scale models manufactured by Casadio of Italy, including WW2 Japanese and American battleships and carriers and an Italian battleship. These moulds have indeed done the rounds, the models having been marketed by Almark, ESCI, Modelpower and MPC in the USA, Casadio themselves and most recently Revell. The range was expanded to include German and British battleships and tantalisingly Casadio packaging in the mid-1970s made mention of a number of models that ultimately never materialised (see table below). The Casadio versions were offered assembled, in effect plugged together, in a plastic bubble pack. Apart from being rather high out of the water, these models are most acceptable and a goldmine of spare parts for the modifier/scratchbuilder. Not all of the warships are currently available from Revell although in about 1999 they issued the first of a series of liner models, albeit full hulled. Note that Aida (1996 cruise liner) is listed as 1/1200 but in reality is nearer 1/1000.

Casadio/ Revell	USS Enterprise	aircraft carrier	Bismarck	German battleship
	USS Yorktown	aircraft carrier	Tirpitz	German battleship
	USS Hornet	aircraft carrier	Scharnhorst	German battlecruiser
	USS Missouri	battleship	Gneisenau	German battlecruiser
	USS Iowa	battleship	HMS King George V	battleship
	USS Wisconsin	battleship	HMS Prince of Wales	battleship
	USS New Jersey	battleship	HMS Duke of York	battleship
	IJNS Yamato	battleship	Littorio	Italian battleship
	IJNS Musashi	battleship	Impero	Italian battleship
IJNS Shinano	aircraft carrier	Vittorio Veneto	Italian battleship	
			Roma	Italian battleship
Revell	Titanic	liner	Color Magic	Cruise ferry
	Queen Elizabeth 2	liner	Midnatsol	2002 cruise ferry
	Queen Mary 2 liner	liner	Trollfjord	2002 cruise ferry
	Color Fantasy	cruise ferry	USS Nimitz	CVN

Catalogued but un-released:

USS Forrestal	aircraft carrier	USS F.D. Roosevelt	aircraft carrier
USS Ranger	aircraft carrier	Jean Bart	French battleship
USS Saratoga	aircraft carrier	Richelieu	French battleship
USS Independence	aircraft carrier	Clemenceau	aircraft carrier
USS Coral Sea	aircraft carrier	Foch	aircraft carrier
USS Midway	aircraft carrier	HMS Ark Royal	aircraft carrier



Revell Queen Mary 2 (box art)

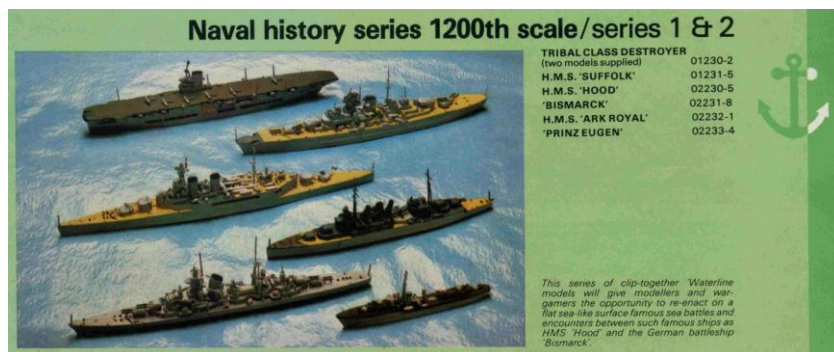
**Airfix**

In the late 1970s Airfix came to the 1/1200 arena for the first time and it looked if the fine tradition established by Eagle was to be resumed. Their first two releases, HMS Hood and Bismarck, enjoyed a mixed reception, but subsequently HMS Ark Royal, HMS Suffolk and Prinz Eugen were widely and justifiably praised, even if the Tribal class destroyers were not. With the German cruiser in particular, Airfix showed what modern technology could achieve and it is sad to record that the range was now complete. If only Airfix had appreciated that by producing an Illustrious class carrier, rather than the one-off Ark Royal, they would probably have sold six times as many models; similarly with a little extra effort a multi-part County class cruiser kit would have tempted modellers to buy kits for twelve different ships and possibly even attempt the 13<sup>th</sup> and heavily modified vessel, HMS London. The kits were a boon to modellers and collectors alike – cheap, accurate and a great source of spares for scratchbuilders – but you are left with the feeling that so much more could have been achieved with a little analytical market research! The collection was re-issued as a set in 2011.

HMS Hood	battlecruiser	HMS Suffolk	heavy cruiser	Bismarck	German battleship
HMS Ark Royal	aircraft carrier	Tribal class	RN destroyer	Prinz Eugen	German heavy cruiser



Airfix cruiser HMS Cumberland (conversion from the Suffolk)



Airfix Naval History series

**Heller et al**

To complete this brief 1/1200 plastic model survey, mention must also be made of the full hulled kits of modern French warships Jeanne d'Arc, Colbert and Suffren (nearly 1/1200) from **Heller** in the Cadet series, USS Enterprise (CVAN) from **Nichimo** in their 30cm series which comes out at 1/1200, and finally the US-produced '**Bachmann Miniship**' USS Arizona which was a clip together battleship model that included a detachable lower hull section, ideal for dry dock dioramas. Nichimo also produced several models of Nimitz class CVNs but these are about 1/1100 scale & unlike the Suffren the difference is very noticeable. A picture follows of the Heller kits beautifully built by French modeller Claude Sourdret with the Colbert also converted to her appearance as a missile cruiser.



**Bachmann Miniship USS Arizona**



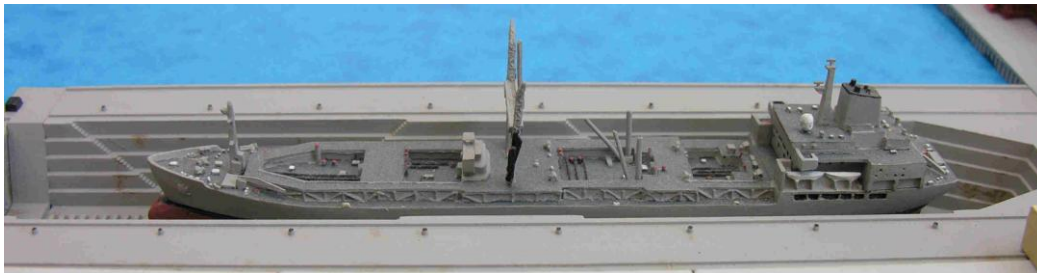
**Ships of the Marine Nationale  
1:1200 Scale, Photographs by Claude Sourdret**

**Heller Models (courtesy Claude Sourdret)**

In the late 1950s/1960s the American firm **Renwal** produced various plastic models that were reportedly 1/1200; entitled US Navy Miniatures these are listed below:

Series #1 Destroyer Battleship Missile Submarine	Barry Washington Patrick Henry	Series #2 Heavy Cruiser Attack Cargo Attack Transport	Canberra (CG-2 config) Rankin Navarro
Series #3 Destroyer Aircraft Carrier Destroyer Escort	Sullivans Hornet (SCB-27 config) Wm. T. Powell	Series #4 Frigate Light Cruiser Tank Landing Ship	Dewey Galveston Eddy County

They were also sold as US Navy Task Force sets 'A' and 'B'; 'A' (catalogue #6300) includes 6 ships: USS Canberra, USS Navarro, USS Washington, USS Eddy County, USS Barry and USS Rankin. The best of all these is USS Canberra with USS Hornet a close second. Although not ships some useful harbour accessories are included in the 1/700 ranges by manufacturers Skywave and Tamiya; the former's US Navy dock (catalogue SW-600) is designed for a destroyer but at nearly 20cm by 5.5cm scales out in 1/1200 at 760 ft. To use this piece it is necessary to sink it below the waterline of the harbour but the results are most worthwhile; this kit also comes with a 5.5 cm tall crane which works perfectly in 1/1200-1250. Tamiya's harbour set (A) (catalogue WL-200) has a 7cm tall crane typical of those found at shipyards which again is fine in the smaller scale.



**Skywave drydock with RFA Bayleaf (Skytrex Triton 1250)**

**Hobby Boss**

An impressive series of 1/1250 models which may be built waterline or full hull. Models released at the time of writing are listed below. The Sea Power Easy model series provided the CG models assembled.



**Hobbyboss USS Ticonderoga**

USS Ticonderoga	CG-47	USS Spruance	DD-963 (as built)
USS Vincennes	CG-49 (lighter tripod mast)	USS Harry W Hill	DD-986 (VLS added)
USS Princeton	CG-59 (VLS)	USS Arthur W Radford	DD-968 (trials ships)
USS New York	LSD, 2010 (model due 2016?)	USS Kidd	DDG-993 Kidd class

**F-Toys**

1/1250 kits made in Japan with three ‘Volumes’ and some ‘Specials’ so far. Each model is available in two versions, one pure waterline but with a little tug and the other with a separate lower full hull option.

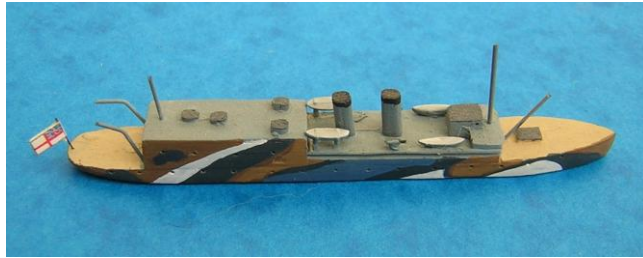
Vol 1 - 01	Kongo (class of 4)	DDG 173	Vol 3 - 03	Takanami (class of 5)	DD110
Vol 1 - 02	Shirane (class of 2)	DDH 143	Vol 3 - 04	Harusame (Murasame class)	DD 102
Vol 1 - 03	Murusame (class of 9)	DD 101	Vol 3 - 05	Osumi (class of 3)	LST 4001
Vol 2 - 01	Akizuki (class of 4)	DD 115	Special	Hyuga, DDH	181
Vol 2 - 02	Hatakaze (class of 2)	DDG171	Special	Ise, DDH	182
Vol 2 - 03	Shimokita (Osumi class)	LST 4001	Special	Towada, AOE	422
Vol 2 - 04	Kirishima (Kongo class)	DDG 174	Special	Tokiwa, AOE	423
Vol 3 - 01	Atago (class of 2)	DDG 177	Special	Hayabusa class, PC	824
Vol 3 - 02	Ashigara (Atago class)	DDG 178	Special	Sugashima class, MSC	681



**F-Toys JMSDF Shirane (Jeff Stevenson)**

## SCRATCH BUILDING

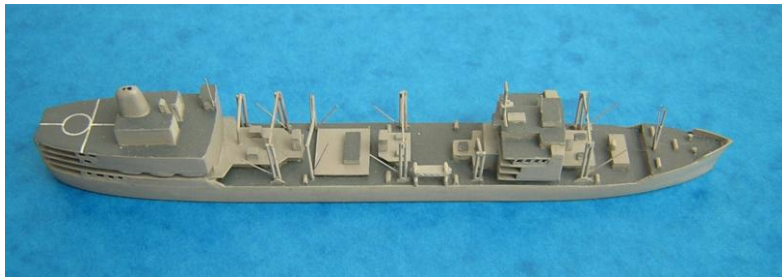
Many people complete their collections, or indeed base their entire collections, using scratch built models and in the introduction several books covering this were mentioned. With enthusiasm and skill, plus a variety of objects from the spares box just about anything is possible. All to be done here is illustrate few examples; HMS Engadine is a simple balsa model made many years ago, the Tbilisi hull is from a Revell kit; this plus the completely scratchbuilt RFA Resource prove the 1<sup>st</sup> law of scratchbuilding – spend hours building something and a model will be issued commercially, in the case of the Russian carrier twice (CM and Mountford).



**Scratchbuilt HMS Engadine**



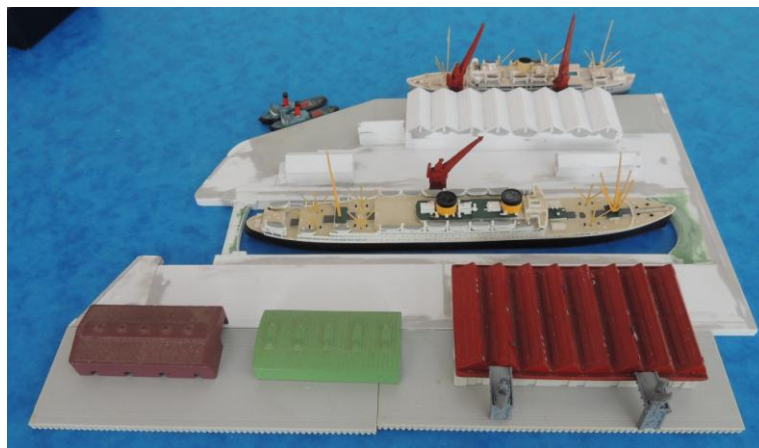
**Scratchbuilt Tbilisi (later renamed Admiral Kuznetsov) with CAP Aero Flankers**



**Scratchbuilt RFA Resource**

## MODEL HARBOURS

Another facet of collecting is the construction of model harbours, the most famous of which regularly seen on 'Dockside' is Ian Maun's wonderful 'Porthampton'. The first commercially made jetties and buildings were probably those made by Wiking and Triang but more recently Mountford and Skytrex/Triton 1250 have plenty on offer. Brigade Models (at [www.brigademodels.co.uk](http://www.brigademodels.co.uk)) have a range of 1/1000 buildings and even the Solent forts which can help. It is also possible to scratchbuild as illustrated below.



**Southampton Prince of Wales drydock with Mercator jetties and buildings by Triton & Triang**

## USEFUL ADDRESSES

### UK:

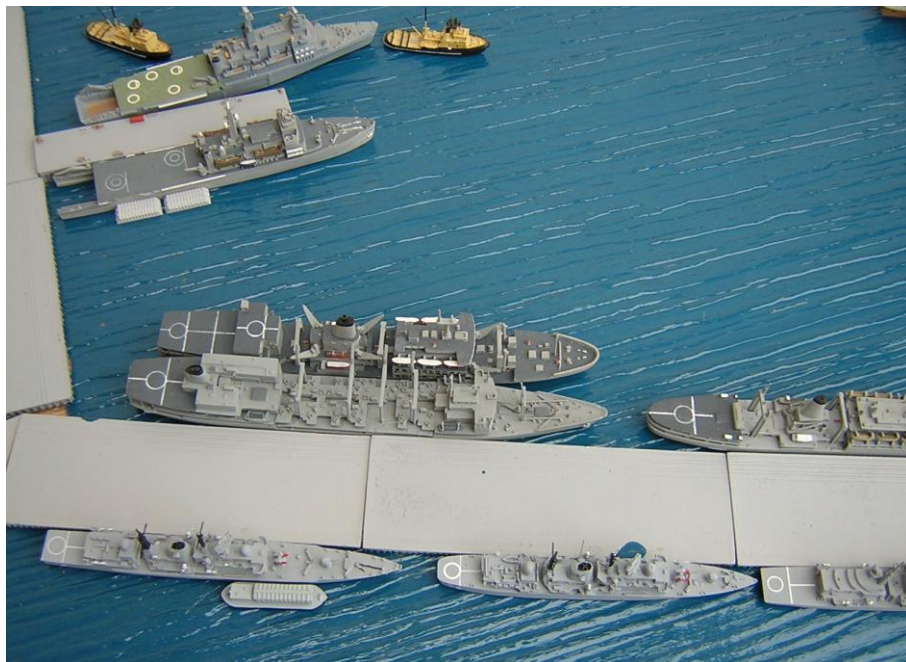
- The Anchorage: 3 Clovelly Apartments, Oxford Park, Ilfracombe, Devon, EX34 9JS. Tel 01271 866637; email : [stuart\\_barnes\\_watson@hotmail.com](mailto:stuart_barnes_watson@hotmail.com)  
(dealer, new & secondhand, UK agent for Hai models)
- Cap Aero Magister Militum, Unit 4, The Business Centre, Morgans Vale Road, Redlynch, Salisbury, SP5 2HA; 01725 510110, [www.magistermilitum.com](http://www.magistermilitum.com)  
(Figurehead ships and aircraft)
- Clydeside: 3A Ferry Road, Millport, Isle of Cumbrae, KA28 0DY
- Convoy Models: See [www.photrek.co.uk/convoy](http://www.photrek.co.uk/convoy)  
(dealer, handles Deep 'C', Pier Head and more)
- Dreadnought Models: 26, Gilkicker Rd, Gosport, Hants. Tel 02392 352383 or e-mail [dreadnought9@hotmail.co.uk](mailto:dreadnought9@hotmail.co.uk)  
(dealer, handles many makes and regular swapmeet attendee)
- Langton Miniatures: North Treadal, Ladock, Cornwall TR2 4QQ, UK ( [www.rodlangton.com](http://www.rodlangton.com) )  
Unit 25 The Craft Centre, Storridge Rd, West Wilts Trading Estate, Westbury BA13 4HU ([sales@mtminiatures.com](mailto:sales@mtminiatures.com), [www.mountfordmodels.com](http://www.mountfordmodels.com) )
- Mountford Metal Miniatures:
- Nigel V. Robinson: 2 Glencarron Way, Bassett, Southampton SO16 7EF  
(assembly/painting service for LJ models, scratch building of models – see picture below)
- Martin Brown: 5 Highworth Close, High Wycombe, Bucks HP13 7PJ  
( [www.waterline-ships.com](http://www.waterline-ships.com) )
- Antics: 49 High Street, Stroud, Gloucs GL5 1AN ( [www.shipmodels.co.uk](http://www.shipmodels.co.uk) )  
(suppliers of Navis/Neptun/Albatros/Rhenania and more, manufacturer of the Coastlines range)
- A.H.Models: 24 Broadland Road, Great Sutton, Ellesmere Port CH66 2JS (0151 3552125)  
(kits in the LJ, Degen & WMS series) [AlanHmodels@virginmedia.com](mailto:AlanHmodels@virginmedia.com)
- Atlas Editions: Ashby-de-la-Zouch, LE65 1JT ([www.atlaseditions.co.uk](http://www.atlaseditions.co.uk))
- Triang Minic Ships Ltd: 10, Arnott Close, Chiswick, W4 1NX ([www.triangminicships.com](http://www.triangminicships.com) )
- Triton 1250 (ex Skytrex): P.O Box 10249, Loughborough, Leicestershire, LE12 5WE  
([www.navymodelsandbooks.co.uk](http://www.navymodelsandbooks.co.uk))
- Wirral Miniature Ships: Les Hodder – [wirralminiships@virginmedia.com](mailto:wirralminiships@virginmedia.com) (0151 339 8055)  
(painted models in the LJ, Degen & WMS series)
- Overseas:**
- Alnavco: (distributor for 'Superior') Box 9, Belle Haven, Virginia 23306, USA ([www.alnavco.com](http://www.alnavco.com) )
- Collectio Navalis: (dealer) Goethestr. 78 10623 Berlin Germany ([www.collnav.de](http://www.collnav.de))
- CSC: Postfach 150309, 23525 Travemunde, Germany ([www.classic-ship.de](http://www.classic-ship.de))
- Galerie Maritim: Martin Luther Strasse 21, 20459 Hamburg, Germany ([www.galerie-maritim.de](http://www.galerie-maritim.de))  
(dealer)
- Michael Reiss Miniaturemodelle Herzog-Welf-Strasse 1, 85604 Zorneding, Germany ([www.mikes-modelle.de](http://www.mikes-modelle.de))  
(dealer, new & secondhand)
- Quadrant: Alain Picouet, 31 Avenue Colombo 'Villa Vega', 06000 Nice, France
- Sea Vee Models: Sean Pritchard, 41 Route De Moissun, 87200 Saint Junien, France
- Ships and More: Martin Fortmann, Langstrasse 5, 65558 Guckingen, Germany ([www.ships-and-more.de](http://www.ships-and-more.de) )  
(dealer, new & secondhand)
- L. Wiedling (dealer) Dr Max Strasse 29, 82031 Grunwald, Germany ([www.wiedling.de](http://www.wiedling.de))



**NVR Geestbay (Geest Line, 1981)**



**Models from Germany at a Theale Swapmeet**



**Portsmouth Dockyard – Fountain Lake Jetty**

## MODEL LISTINGS

Note: details of most current models are available in manufacturers' listings and dealers' catalogues; this Annex is therefore limited to Len Jordan's fine models, Triang (of course), USN models by Trident Alpha plus British ships from Albatros; many of the latter have been deleted and they must be the definitive source of metal models of British ships.

### Len Jordan Models (to List 43 March 2010)

Merchantmen (prefix M)							
1	Agamemnon	1929	Blue Funnel	51	Nailsea Moor	1937	E. R. Management
2	Glenroy	1939	Glen Line	52	Dahomey Palm	1937	Palm Line
3	Baron Renfrew	1935	Hogarth	53	Victory ship	1944	VCS-2-AP2 type
4	Springbank	1924	Bank Line	53a	Victory ship	1944	Armed version of 53
5	Kensington Court	1924	Court Line	54	Greenwich	1943	Watts, Watts & Co.
6	Robert L. Holt	1926	John Holt & Co.	55	Houston City	1942	Reardon Smith Line
7	Adrastus	1920	Blue Funnel	56	Avriston	1942	Strick Line
8	Imperial Star	1935	Blue Star	57	Soudan	1948	P & O
9	Rhexenor	1945	Blue Funnel	58	Sunda	1949	P & O
10	Beaverdell	1945	Canadian Pacific	59	Loch Gowan	1954	Royal Mail
11a	City of Poona	1943	Ellerman Lines	60	Clarkspey	1960	H Clarkson & Co
11b	Black Prince	1943	Prince Line	61	Eboe	1952	Elder Dempster
11c	Empire Paragon	1943	Armed – MOWT	62	Arabic	1956	Shaw, Savill & Albion
12	Tactician	1927	T & J Harrison	63	Wanderer	1951	T & J Harrison
13	Forts & Oceans	39/45	Standard ships	64	Crofter	1951	T & J Harrison
14	Empire B	39/45	Standard ships	65	Cable Restorer	1961	Commercial Cable Co.
15	Waiwera	1934	Shaw, Savill & Albion	66	Bendoran	1956	Ben Line
16	Patroclus	1923	Blue Funnel	67	Bronte	1979	Lampont & Holt Line
17	Doxford econ.	35/40	various	68	London Grenadier	1972	London & O'seas Freighter
18	Brastagi	1937	Rotterdam Lloyd	69	Cairngowan	1952	Cairn Line
19	Ismailia	1941	British India	70	Port Hobart	1946	Port Line
20	City of Canterbury	1922	Ellerman Lines	71	Empire Star	1946	Blue Star Line
21	Clan Cameron	1937	Clan Line	72	Wairangi	1946	Shaw, Savill & Albion
22	Clan Cumming	1943	Clan Line	72a	Empire Hope	1942	Armed version of 72
23	Amarapoorra	1938	B & B Steam Nav. Co.	73	Cedarbank	1976	Bank Line
24	Amarapoorra	1943	hospital ship	74	Clan Shaw	1950	Clan Line
25	Australia Star	1935	Blue Star	75	Clan Sutherland	1951	Clan Line
26	Malabar	1935	Brocklebank	76	Flamenco	1950	Pacific Stm Nav Co.
27	Umgeni	1950	Natal Line	77	Urbino	1919	Ellermans Wilson
27	Winneba	1957	Elder Dempster	78	Santa Elisa	1941	Grace Lines
28	Clunepark	1928	J & J Denholm	79	Ivernia	1963	Cunard
29	Lombardy	1913	Royal Mail Lines	80	Merchant	1964	T&J Harrison
30	Uskvalley	1929	Uskside SS Co.	81	David Livingstone	1929	Elder Dempster
31	Jenny	1917	J. Lauritzen	82	Prometheus	1967	Blue Funnel
32	Brisbane Star	1936	Blue Star	83	Priam	1967	Blue Funnel
33	Machaon	1957	Blue Funnel	84	Ruddbank	1979	Bank Line
34	Korea	1939	East Asiatic Co.	85	City of Plymouth	1978	Ellerman
35	Rochester Castle	1937	Union Castle	86	Crown Prince	1978	Prince Line
36	Barlby	1962	Ropner Shipping Co.	87	Afric Star	1975	Blue Star
37	City of Melbourne	1957	Ellerman Line	88	King Charles	1952	King Line
38	Dorset	1934	Federal Stm Nav Co Ltd	89	Steel Age	1920	Isthmian
39	Explorer	1935	T & J Harrison	89a	Mobile City		Armed version of 89
40	Owestry Grange	1952	Houlder Lines	90	Kantara	1947	Moss Hutchinson
41	Port Chalmers	1933	Port Line	91	S A Waterberg	1978	Safmarine
42	Almeria Lykes	1940	Lykes Brothers	92	Port Huon	1965	Port Line
43	Greystoke Castle	1948	Lancashire Shipping Co	93	Achilles	1948	Blue Funnel
44	Eastern Prince	1950	Prince Shipping	94	City of Oxford	1949	Ellerman
45	Chungking	1950	China Navigation Co.	95	Hornby Grange	1947	Houlder
46	Harbledown	1932	J & C Harrison	96	Manistee	1920	Elders & Fyffes
47	Liberty ship	39/45		97	Herefordshire	1972	Bibby
47a	Liberty ship	39/45	armed version	98	Pampas	1940	Royal Mail
48	Innesmoor	1925	Runciman & Co	99	Pacific Northwest	1951	Furness Withy
49	Abbekerk	1946	C3-S-A5 type	100	Asia	1947	Cunard
50	Santa Anita	1945	Grace Line	101	Maidan	1943	Brocklebank
				102	Western Prince	1955	Prince Line

Continues over....

103	Clan Forbes	1937	Clan Line	115	Laurentia	1947	Donaldson Line
104	Clan Lamont	1944	LCI(L)	116	Beacon Grange	1973	Furness Withy
105	Manapouri	1968	Federal S. N. Co	117	Mystic	1958	Shaw Savill & Albion
106	Wellington Star	1950	Blue Star	118	American Ranger	1944	US Shipping
107	Daru	1958	Elder Dempster	119	Magnolia State	1944	US Shipping
108	Mary Kingsley	1930	Elder Dempster	120	Victoria City	1955	Reardon Smith
109	Saxonia	1969	Cunard	121	Darlington Court	1936	Court Line
110	Silverpalm	1929	Silver Line	122	Glenmoor	1953	Runciman
111	Westland (SD14)	1975	Holland Lloyd	123	Agidia	1962	Anchor Line
112	Glenogle	1962	Glen Line	124	Zeeland (Type C3)	1946	Rotterdam Lloyd
113	Orange Star	1975	Ex Andalucia Star	125	St Rosario	1961	Saint Line
114	City of Exeter	1974	Ellerman Lines				

#### Tankers (prefix T)

1	San Demetrio	1938	Eagle Oil	5	Ohio	1940	Texas Co.of New York
2	Regent Tiger	1946	Bowring	6	Ohio	1942	(armed)
3	T2 type	1942- 44	post-war to Shell, Esso, Eagle Oil	7	London Loyalty	1954	London & Overseas Ftrs
4	T2 type	1942 –45	(armed)	8	British Commando	1942	British Tanker Co
				9	Empire Chapman	1942	MOWT

#### Liners (prefix L)

1	Rawalpindi	1925	P & O	23	Hilary	1931	Booth SS Co.
2	Ausonia	1921	Cunard	23a	HMS Hilary	1942	LSI(HQ)
3	Vandyck	1921	Lamport & Holt	24	Rajula	1926	British India
4	Reina Del Pacifico	1931	Pacific Steam Navigation Co.	25	Excalibur	1948	American Export Lines Inc.
5	Alcantara	1925	Royal Mail Steam Packet Co.	26	Empress of Britain	1956	Canadian Pacific
6	Euripides	1914	Aberdeen Line	27	Canton	1938	P & O
7	Llandovery Castle	1925	Union Castle Line	28	Waratah	1908	Blue Anchor Line
8	Lancashire	1917	Bibby	29	Reina del Mar	1956	Pacific Steam Co.
9	Lancastria	1920	Cunard	30	Reina del Mar	1964	Union Castle
10	Cameronia	1920	Anchor Line	31	Victoria	1965	P & O
11	Dilwara	1936	British India	32	Umgeni	1935	Bullard King
12	Albertville	1948	Compagnie Maritime Belge	33	Camito	1952	Elders & Fyffes
12	Anselm	1935	Booth Lines (from L12)	34	Nothern Star	1962	Shaw Savill & Albion
13	Iberia Star	1963	Blue Star	35	Strathmore	1937	P & O
14	Gothic	1948	Shaw, Savill & Albion	36	Orcades	1937	Orient Line
15	Aureal	1951	Elder Dempster	37	Mauretania	1937	Cunard White Star 1939
16	Athenic	1947	Shaw Savill & Albion	38	Aragon	1906	Royal Mail
17	Nestor	1913	Blue Funnel	39	Nova Scotia	1947	Furness Withy
18	Stirling Castle	1936	Union Castle	40	Rohna	1926	BI Steam Navigation
19	Empress of Japan	1930	Canadian Pacific	41	City of Port Elizabeth	1952	Ellermans
20	Media	1947	Cunard	42	Arcadia	1954	P&O
21	Remuera	1948	New Zealand Shipping	43	President Wilson	1948	American President Lines
22	Leicestershire	1950	Bibby	44	Dominion Monarch	1939	Shaw, Savill & Albion

#### Armed Merchant Ships (prefix K)

1	Liberty Ship	44	MOWT	11	HMS Hilary		LSI(HQ)
2	Inventor	42	Deck load of LCUs	12	Rohna		troopship
3	Nailsea Court	41	Deck load of aircraft	13	Empire Magpie		
4	Empire Allenby	44	Deck load of MT & trains	14	Empire Hope		
5	Victory Ship	44	Deck load of MT	15	Darlington Court		MOWT
6	Mauretania	44	Troopship	16	Rapana		MAC
7	Empire Day	42	Deck load of MT & a/c	17	Ranpura		AMC
8	Clan Lamont	44	LSI(L)	18	City of Thurston	43	USS – AP77
9	City of Durham	45	Deck load of trains	19	Armed M13		Ocean/Fort/Park
10*	Empire Bombadier		Armed tanker	20	Armed M14		Empire B
				21	Parima	44	Armed Royal Mail Line

(MOWT = British Ministry of War Transport)

Note: the lists above frequently give just the lead ship in a class so many more may be represented. Indeed in 1998 Mike Costello produced an amazing 103 page directory to over 2000 ships which could be made from the models organised by name and ownership. Since then a further 42 'M series', 2 'L series' and 14 'K series' have been released. AH Models are continuing to expand the K series, most recent (2015) being K35 Clan Campbell of 1943 (with deck cargo of landing craft)

## Triang

### Ocean Liners

M701	RMS Caronia	M710	RMS Sylvania
M702	RMS Queen Elizabeth	M711	RMS Carinthia
M702S	RMS Queen Elizabeth (special clear view display)	M712	NS Savannah
M703	RMS Queen Mary		Carmania (modified M708)
M703S	RMS Queen Mary (special clear view display)		Franconia (modified M709)
M704	SS United States	M713	SS Antilles } white livery, also
M704S	SS United States (special clear view display)	M714	SS Flandre } white upperworks/black hull
M705	RMS Aquitania	M715	RMS Canberra
M705S	RMS Aquitania (special clear view display)	M716	MS Port Brisbane
M706	SS Nieuw Amsterdam	M717	MS Port Auckland
M707	SS France	M718	RMS Amazon
M707S	SS France (special clear view display)	M719	RMS Arlanza
M708	RMS Saxonia	M720	RMS Aragon
M709	RMS Ivernia		

### Miscellaneous Ships and Vessels

M721	HM Yacht Britannia	M732	SS Varicella (oil tanker)
M721H	HM Yacht Britannia hospital ship	M733	TSS Vikingen (whale factory ship)
M722	SS Isle of Jersey	M734	Whale chaser
M723	SS Isle of Guernsey	M735	Light Vessel Sunk
M724	SS Isle of Sark	M736	Light Vessel Shambles
M726	Pilot Ship	M737	Light Vessel Cork
M727	Life Boat	M738	Light Vessel Varne
M728	PS Britannia	M739	Light Vessel St. Gowan
M729	PS Bristol Queen	M740	Barge (for use with M731 Tug) – not produced
M730	PS Cardiff Queen	M743	St. Germain (train ferry) – not produced
M731	Tug		

### RN Warships

	Battleship		Guided Missile Destroyers
M741	HMS Vanguard	M783	HMS Hampshire
M741S	HMS Vanguard (special clear view display)	M784	HMS Kent
		M785	HMS Devonshire
	Aircraft Carriers	M786	HMS London
M751	HMS Bulwark		Frigates
M752	HMS Centaur	M787	HMS Vigilant
M753	HMS Albion	M788	HMS Venus
--	HMS Albion, commando carrier	M789	HMS Virago
		M790	HMS Volage
	Cruisers	M791	HMS Whitby
M761	HMS Swiftsure	M792	HMS Torquay
M762	HMS Superb	M793	HMS Blackpool
		M794	HMS Tenby
	Fleet Escorts		Minesweepers
M771	HMS Daring	M799	HMS Repton
M772	HMS Diana	M800	HMS Dufton
M773	HMS Dainty	M801	HMS Ashton
M774	HMS Decoy	M802	HMS Calton
		M803	HMS Picton
	Destroyers	M804	HMS Sefton
M779	HMS Alamein	M805	HMS Upton
M780	HMS Jutland	M806	HMS Wiston
M781	HMAS Anzac		Miscellaneous Ships
M782	HMAS Tobruk	M810	HM tug Turmoil
		M817	HM submarine A class
		M818	HM submarine A class reconstructed

Harbours, Accessories and Scenic Effects

M827	Breakwater, straight	M847	Pier, straight
M828L	Breakwater, angle left	M848	Pier, entrance
M828R	Breakwater, angle right	M849	Pier, head
M829	Breakwater, end	M853	Factory
M836	Quay straight section	M854	Tanker wharf, straight
M837	Cranes unit	M855	Tanker wharf, berths
M838	Storage tanks unit	M857	Sea plastic 26" X 26"
M839	Customs shed	M858	Sea plastic 52" X 52"
M840	Warehouse	M861	Life boat station, complete (for use with M836, 847 or 849)
M841	Ocean Terminal	M878	Lighthouse
M842	Swing bridge, complete	M880	Whale
M843	Ocean Terminal extension	M882	Beacon
M844	Lock gates (pair)	M884	Statue of Liberty
M846	Lifting bridge, complete	M885	Floating Dock (based on AFD 11 Portsmouth)

Ship Presentation Sets

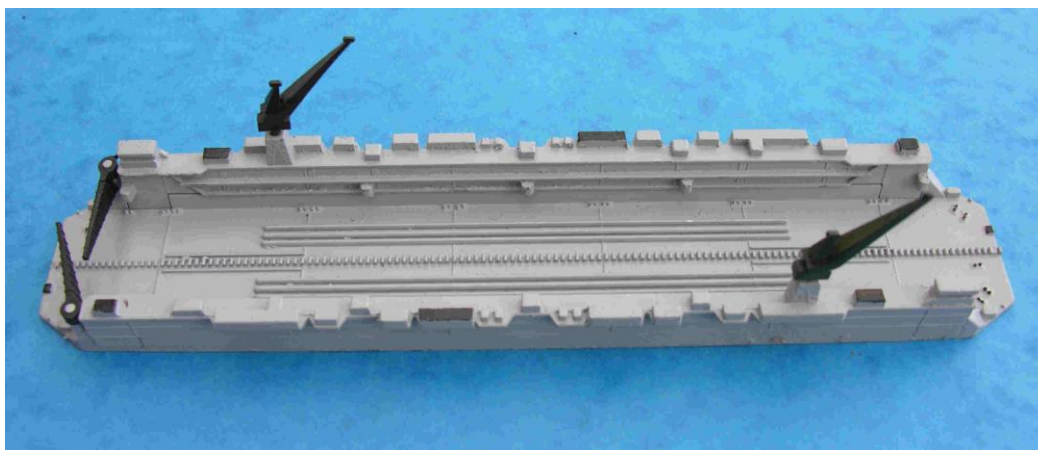
M891	RMS Queen Elizabeth Set	M894	Royal Yacht Britannia Set
M892	SS United States Set	M895	SS Nieuw Amsterdam Set
M893	RN Carrier Task Group Set		



**Triang Sylvania (Cunard)**



**Triang HMS Centaur**



**Triang Floating drydock**

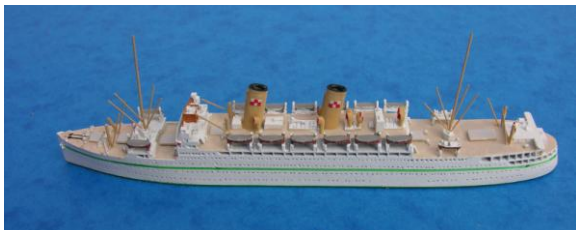
## Albatros (British and Empire/Commonwealth Ships)

Merchantmen (catalogue numbers prefixed AL); unlike the warships which tend to be maintained in production these are only produced for a limited period. Check [www.albatros-miniaturen.de](http://www.albatros-miniaturen.de) for the current state of play. N after the catalogue number signifies that a new version has been produced.

6	Orbita	1915	liner	Pacific Steam Nav. Co.
7N	Brighton	1933	ferry	Southern Railways
8	Romanby	1927	freighter	Ropner
9N	Kent	1918	freighter	Federal S.N. Co.
10	Knight of Malta	1929	ferry	Cassar
11	Pembroke Coast	1936	freighter	Coast Lines
14	Manchester Regiment	1922	freighter	Manchester Lines
15N	Port Townsville	1935	reefer	Port Line
22N	Aorangi	1924	liner	Union SS Co New Zealand.
23	Almeda Star	1926	cargo liner	Blue Star Line
28	Lady Nelson	1928	liner	Canadian National
29	Princesse Marguerite	1925	liner	Canadian Pacific Railway
30N	Comorin	1924	liner	P & O
31	Winchester Castle	1930	liner	Union Castle Line
31a	Winchester Castle	1939	liner	Union Castle Line
33N	Alsatian	1913	liner	Allan Line
33a	Empress of France	1919	liner	Canadian Pacific
36N	Highland Chieftain	1929	liner	Nelson Line
36a	Highland Chieftain	1932	liner	Royal Mail Lines
38	Cavina	1924	liner	Elder & Fyffes
39	Atlantis	1930	liner	Royal Mail Lines
42N	Canberra Star	1956	reefer	Blue Star Line
43N	Transylvania	1925	liner	Anchor Line
43a	Caledonia	1925	liner	Anchor Line
46	Calshot	1930	tender	Red Funnel
46a	Calshot	2010	tender	preserved museum ship
48	Glaucus	1921	freighter	Blue Funnel Line
53	Matua	1936	freighter	Union SS Co. New Zealand
55	Arundel Castle	1921	liner	Union Castle Line
57N	Lloydsman	1971	tug	United Towing
61N	City of Nagpur	1922	liner	Ellerman Line
62	Vandyck	1932	liner	Lampport & Holt
62a	Voltaire	1932	liner	Lampport & Holt
66N	City of Benares	1936	liner	Ellerman Line
67N	Euripides	1914	liner	Aberdeen Line
69b	Spirit Of Adventure	2005	Cruise ship	Ex Berlin 1981
70	Seaforth Clansman	1977	diving support	Seaforth
71	Virginian/Victorian	1905	liner	Allan Line
72	Awatea	1936	liner	Union SS Co. New Zealand
73	Carmania	1967	liner	Cunard Line
73bN	Saxonia	1953	liner	Cunard Line
74N	Ingoma	1918	liner	Harrison
74b	Ingoma	1913	liner	Rennie
78	Jamaica Planter	1936	reefer	Jamaica Banana Prod. SS Co.
79	Windsor Castle	1939	liner	Union Castle Line
83N	Delius	1937	freighter	Lampport & Holt
85	Princess Maud	1934	ferry	LMSR (later British Railways Scottish Region)
88	Uganda	1967	liner	British India
90N	Stratheden	1937	liner	P & O
92	Gorgon	1933	freighter	Alfred Holt & Co (Blue Funnel)
94	Princess Victoria	1939	ferry	LMSR (ship sunk in 1940)
95	Dilwara	1936	liner	British India
97a	Alexander	1985	large yacht	built 1966 as Frankfurt
98	St Sunniva	1931	ferry	North of Scotland, Orkney & Shetland Co Ltd
99	Patricia	1938	tender	Trinity House
105N	Aquitania	1914	liner	Cunard Line
107N	Port Jackson	1937	freighter	Port Line
108N	Bulolo	1938	liner	Burns Philp & Co.
110	Sea Goddess	1990	cruise ship	Cunard Line

111N	Tuscan Star	1930	cargo liner	Blue Star Line
117	Romsey	1925	tender	Alexandra Towing
118	Skirmisher	1900	tender	Cunard Line
120	Rhodora	1929	yacht	Privately owned
123	Reina Del Pacifico	1931	liner	Pacific Steam Nav. Co.
125N	Chusan	1950	liner	P & O
126	Circassia	1937	liner	Anchor Line
127N	Naldera	1920	liner	P & O
128N	Empress of Asia	1913	liner	Canadian Pacific
129	Queen of Bermuda	1933	liner	Furness, Withy & Co.
130	Prince David	1930	liner	Canadian National Steamship
134	Andes (white hull)	1960	liner	Royal Mail Lines
134aN	Andes (black hull)	1939	liner	Royal Mail Lines
135N	Cunard Countess	1974	cruise liner	Cunard Line
136N	Strathnaver	1931	liner	P & O
136aN	Strathaird	1948	liner	P & O
137	Roslin Castle	1935	reefer	Union Castle Line
138	Doric	1923	liner	White Star Line
138a	Regina	1922	liner	Dominion Line
139	Orcades	1935	liner	Orient Line
139aN	Orion	1935	liner	Orient Line
140N	Arandora Star	1936	cargo liner	Blue Star Line
144N	Almanzora	1919	liner	Royal Mail Lines
145N	Norman	1894	liner	Union Line
146	Worcestershire	1931	liner	Bibby Line
147	European Trader	1976	ferry	Townsend Thoresen (model not produced)
148N	Dunnottar Castle	1936	liner	Union Castle Line
149	Karitane	1939	freighter	Union SS Co. New Zealand
150N	Olympic	1911	liner	White Star Line
150aN	Titanic	1912	liner	White Star Line
150bN	Britannic	1914	hospital ship	
151N	Pretoria Castle	1948	liner	Union Castle Line
159N	Scot	1896	liner	Union Line
160	Orna	1938	freighter	British India
163N	Oceanic	1899	liner	White Star Line
166N	Mauretania	1922	liner	Cunard Line
166aN	Mauretania (white hull)	1933	liner	Cunard Line
166b	Mauretania	1915	hospital ship	Cunard Line
167N	Lusitania	1907	liner	Cunard Line
167A	Lusitania (black funnels)	in 1914	liner	Cunard Line
168	Wahine	1913	liner	Union SS Co. New Zealand
169N	Omrah	1899	liner	Orient Line
170N	Rangitoto	1949	liner	New Zealand Shipping Co
171N	City of Rome	1881	liner	Anchor Line
172N	Dominion Monarch	1939	liner	Shaw Savill & Albion
173N	Saxon	1900	liner	Union Line
174	Devonshire	1939	liner	Bibby Line
175	Queen of the Channel	1935	ferry	GSNC (New Medway SP Co.)
176N	Scythia	1921	liner	Cunard Line
177	Carnarvon Castle	1926	liner	Union Castle Line
177a	Carnarvon Castle	1952	liner	Union Castle Line
178	Westralia	1929	liner	Huddard Parker Ltd, Melbourne
179	Corinthic	1947	liner	Shaw, Savill & Albion
179a	Gothic	1953	liner	Shaw, Savill & Albion
180N	Windsor Castle	1960	liner	Union Castle Line
181	Port Dunedin	1925	freighter	Port Line
182	Rangitata	1929	liner	New Zealand Shipping Co
183	Malines	1922	ferry	Great Eastern Railway (later LNER)
184	Duchess of Bedford	1928	liner	Canadian Pacific
184a	Empress of France	1948	liner	Canadian Pacific
185	Arcadia	1954	liner	P & O
185aN	Iberia	1956	liner	P & O
186	Golfito	1949	liner	Elder & Fyffes
187	Metagama	1915	liner	Canadian Pacific

188	Kedah	1927	liner	Straits Steamship Co.
189	Amazon	1960	liner	Royal Mail Lines
192	Seaforth	1939	freighter	Elder Dempster
193	Duntroon	1935	passenger ship	Melbourne SS Co.
193a	Abosso	1935	passenger ship	Elder Dempster
194N	Tuscania	1922	passenger ship	Anchor Line
194aN	Lancastria	1943	liner	Cunard Line
195	Athelmonarch	1950	tanker	Athel Line
196	Centaur	1963	freighter	Blue Funnel (model not produced)
197	Irisbank	1930	passenger ship	Bank Line
203	Port Montreal	1937	freighter	Port Line
204	Magnetic	1891	tender	White Star Line
205N	City of Bombay	1937	liner	Ellerman Line
207	Norwave	1965	ferry	North Sea Ferries
208	City of Johannesburg	1947	freighter	Ellerman Line
209	Orontes	1929	liner	Orient Line
209a	Orama (corn hull)	1938	liner	Orient Line
209b	Orama (black hull)	1924	liner	Orient Line
210	Devonia	1962	liner	British India
221	Kenya	1955	liner	British India
221a	Kenya (black hull)	1951	liner	British India
223	Nevasa	1956	troop ship	British India
223a	Nevasa	1965	school ship	British India
234	Viceroy of India	1929	liner	P & O
239N	Empress of Britain	1931	liner	Canadian Pacific
240	Sarpedon	1923	freighter	Blue Funnel
241	Magdalena	1949	liner	Royal Mail Lines
244	Empress of England	1957	liner	Canadian Pacific
245	Asturias	1934	liner	Royal Mail Lines
245a	Alcantara	1948	liner	Royal Mail Lines
251	Ruahine	1950	liner	New Zealand Shipping Co
251a	Ruahine	1966	liner	Federal SN Co.
252	Media	1947	liner	Cunard Line
252a	Remuera	1961	liner	New Zealand Shipping Co
258	Skandi Seven	2008	Offshore support	Shell
259	Himalaya	1953	liner	P & O
260	Orcades	1948	liner	Orient Line
260a	Orcades	1964	liner	P & O - Orient
261	Accra	1947	cargo liner	Elder Dempster
261a	Apapa (grey hull)	1948	cargo liner	Elder Dempster
261b	Apapa (black hull)	1948	cargo liner	Elder Dempster
262	Arabia	1898	Liner	P & O
263	Nomadic	1911	tender	White Star
266	Freemantle Star	1960	Freighter	Blue Star
268	Salween	1938	Cargo liner	British & Burmese SN Co
270	Faraday	1923	Cable ship	Siemens Brothers and Co
271	Changsha	1949	Freighter	China Navigation Co Liverpool



**Albatros Empress of France**



**Albatros Cunard Countess**

Modern Warships and Auxiliaries (range being added to all the time)

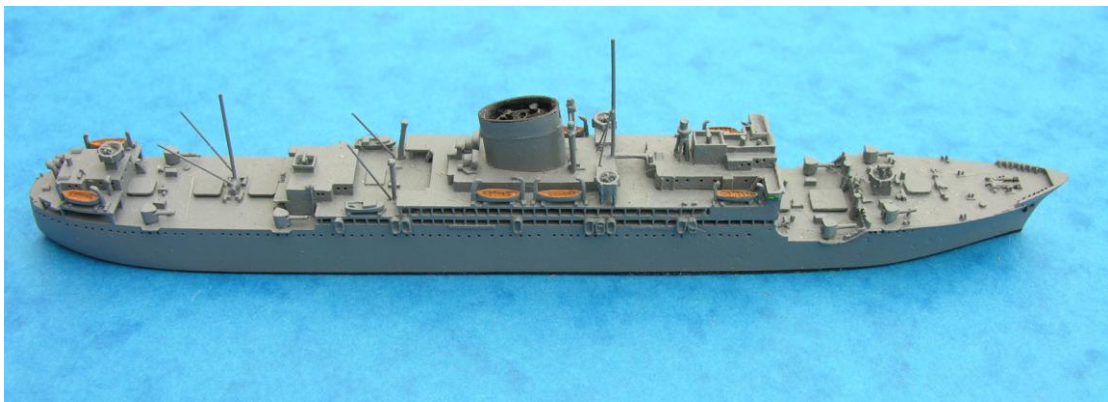
ALK70	Britannia, royal yacht	ALK93D	HMS Sutherland (as in 2012)
ALK71	Uganda, as hospital ship	ALK93E	HMS Lancaster (as in 2012)
ALK72	HMS Illustrious	ALK94	HMS Sandown
ALK72A	HMS Ark Royal	ALK94A	HMS Shoreham
ALK72B	HMS Illustrious (post 1994 refit)	ALK95	HMS Polar Circle
ALK72C	HMS Invincible (post 2003 refit)	ALK95A	HMS Endurance (ex Polar Circle)
ALK72D	HMS Illustrious (post 2007 refit)	ALK96	HMS Ocean
ALK72E	HMS Ark Royal (post 2006 refit)	ALK97	HMS Peacock
ALK73	HMS Resolution	ALK98	HMS Hermes, 1982
ALK74	HMS Trafalgar	ALKZ03	Sea Harrier
ALK75	HMS Vigilant (SSBN)	ALK300	HMS Vanguard, 1946
ALK76	HMS Leeds Castle	ALK301	HMS Tiger, 1959
ALK77	HMS Brecon	ALK302	HMS Daring, 1952
ALK78	HMS Bulldog	ALK303	HMS Rothesay, 1960
ALK79	HMS Endurance (ex Anita Dan)	ALK304	HMS Albion, 2003
ALK80	HMS Broadsword	ALK304a	HMS Bulwark, 2004
ALK80A	HMS London	ALK305	Hurst Point (charter)
ALK80B	HMS Cumberland (as in 1989)	ALK306	HMS Daring (2007)
ALK80C	HMS Chatham (as in 1990)	ALK306A	HMS Dauntless (2008)
ALK80D	HMS Cumberland (as in 2010)	ALK306B	HMS Diamond (2009)
ALK80E	HMS Cornwall (as in 1988)	ALK306C	HMS Dragon (2011)
ALK80F	HMS Campbeltown (as in 1989)	ALK306D	HMS Defender (2012)
ALK81	HMS Bristol	ALK306E	HMS Duncan (2012)
ALK82	HMS Manchester	ALK307	HMS Tyne (2005)
ALK82A	HMS Edinburgh	ALK307A	HMS Clyde (2007)
ALK82AN	HMS Edinburgh (as in 2013)	ALK308a	HMS Astute
ALK82B	HMS York (as in 2011)	ALK308b	HMS Astute (full hull)
ALK83	HMS Glasgow	ALK308c	HMS Astute (under construction)
ALK83A	HMS Exeter	ALK309	RFA Largs Bay
ALK84	HMS Cleopatra (Leander - Exocet)	ALK309A	RFA Cardigan Bay
ALK84A	HMS Arethusa ( - Ikara)	ALK310	RFA Fort Victoria
ALK84B	HMS Andromeda ( Sea Wolf)	ALK310a	RFA Fort George
ALK84C	HMS Achilles (Leander - gun)	ALK311	HMS Echo
ALK85	HMS Glamorgan	ALK311a	HMS Enterprise
ALK85A	HMS Kent (as built)	ALK312	RFA Wave Ruler
ALK86	HMS Active	ALK312a	RFA Wave Knight (as in 2011)
ALK86A	HMS Antelope (as in 1982)	ALK313	RFA Diligence
ALK86B	HMS Ardent (as in 1982)	ALK314	RFA Argus
ALK87	HMS Orkney	ALK315	James Clark Ross (research ship)
ALK88	HMS Hecla	ALK316	RFA Fort Austin
ALK88A	HMS Hecla, as hospital ship	ALK316A	RFA Fort Rosalie
ALK89	Roysterer, RMAS tug	ALK317	HMS Scott
ALK90	Charles Darwin, research ship	ALK318	HMS Queen Elizabeth (CVF)
ALK91	HMS Challenger	ALK319	HMS Protector (2011)
ALK92	HMS Carron	ALK321	James Cook (research ship)
ALK93	HMS Norfolk	ALK322	Patricia (2010) Trinity House
ALK93A	HMS Richmond (as in 2011)	ALK323A	RFA Gold Rover
ALK93B	HMS Kent (as in 2012)	ALK323B	RFA Black Rover
ALK93C	HMS Portland (as in 2012)	ALK324	RFA Tidespring (new type 2014)



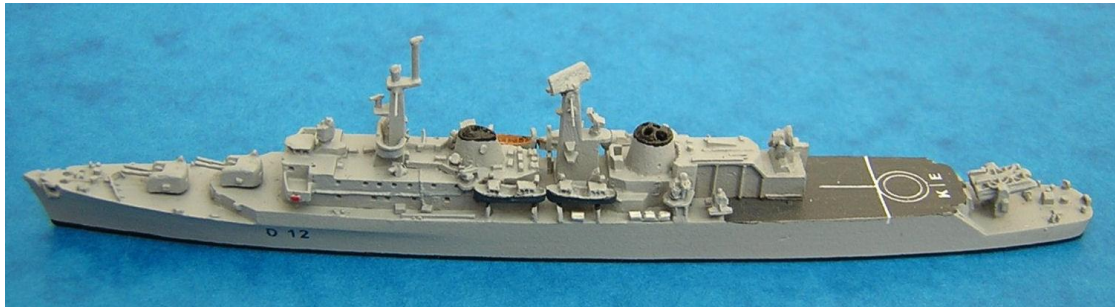
**Albatros 72c HMS Invincible (with Sea Dart removed)**

Albatros - Other British Vessels

AL30a	Comorin	1939	AMC	ALK127	Alcantara	1939	AMC
ALK103	Cavina	1944	OBV	ALK128	Voltaire	1940	AMC
ALK109	Lady Rodney	1941	troop ship	ALK129	Chitral	1939	AMC
ALK111	Philante	1940	armed yacht	ALK130	Empress of Russia	1943	transport
ALK113	Aquitania	1916	hospital ship	AL-WS-79	Restless	1923	yacht
ALK114	Lady Nelson	1940	hospital ship	AL-WS-80	Sovereign	1911	yacht
ALK115	Prince Albert	1941	landing ship	AL-WS-82	Triad	1909	yacht
ALK116	Atlantis	1940	hospital ship	AL-WS-85	Roussalka	1931	yacht
ALK117	Windsor Castle	1940	troop ship	AL-WS-85a	Aronia	1933	yacht
ALK120	Cilicia	1943	AMC	AL-WS-89	Star of India	1929	yacht
ALK121	Carnarvon Castle	1939	AMC	AL-WS-89a	Lady Torfrida	1888	yacht
ALK122	Queen of Bermuda	1940	AMC	AL-WS-90	Thalassa	1924	yacht
ALK123	Lancastria	1940	troop ship	AL-SM-94	Iolaire	1902	yacht
ALK123A	- " - Cunard funnel	1940	troop ship	ALB8	Nahlin	1930	yacht
ALK124	Orama	1940	troop ship	ALB12a	Euroman	1972	tug
ALK125	Strathaird	1940	troop ship	ALB16a	Statesman	1969	tug
ALK126	Prince Henry	1939	AMC	ALK326	Geestport	1982	STUFT
				ALK327	Atlantic Conveyor	1982	STUFT



**Albatros HMS Carnarvon Castle**



**Albatros HMS Kent (DLG)**



**Albatros HMS Protector (2011)**

### Trident Alpha (American Ships)

All major warship and auxiliary models are listed below with their original T catalogue numbers; \* signifies in production up until the line ceased in 2002. Those in *red italics* are believed to have never been released. The date is the year at which the ship is depicted. The classifications given are a combination of those in the Ta catalogue and from Silverstone (US Warships since 1945) and should allow the ship being modelled to be identified.

1	Enterprise	CVAN	1965	162*	McConnell	DE-163	1943
2	Albany	CAG	1963	163	Harold E Holt	FF	1975
4	Garcia	DE-1040	1964	164	William M Wood	Gearing FRAM	1974
5*	Razorback	SSK	1964	170	<i>Helena</i>	CA	1965
7	Northampton	CLC-1	1953	171*	Acme	MSO-528	1965
8	Achelous	ARL-1	1950	172*	Towhee	AGI	1968
11	Brooke	DEG-1	1966	173*	Greenville Victory	AK	1960
19*	Alcona	AK	1945	174*	John Adams	SSBN	1970
28	Pillsbury	DE-133	1957	180	ABSD 1	Dry dock	1945
33*	Short Splice	C1-M-AV1, AK	1960	184*	Allagash	T3-S2-A1, AO	1967
34	Terrebone Parish	LST	1953	188*	Abraham Lincoln	SSBN	1966
35*	Hardhead	SSK	1962	189	Sacramento	AOE	1972
38	Dodge County	LST	1955	190	Newport News	CA	1966
43	Suamico	T2-SE-A2, T-AO	1950	191*	Barracuda	SSK	1962
47*	Watchman	radar ship	1958	192*	Mackerel	SSK	1960
48*	Reedbird	AMS-51	1945	193	Ortolan	Sub rescue	1973
50	Iwo Jima	LPH	1961	194	El Paso	LKA	1970
53*	Ashville	PG-84	1967	195*	Banner	AK	1973
67*	Bannock	tug	1950	202	Oak Ridge	floating drydock	1970
84	Bald Eagle	AF-50	1960	204	Chicago	CAG	1978
86*	Kukui	C1-M-V1, AK	1965	205*	Pueblo	AGI	1968
87*	Molala	tug	1967	206*	Petrel	Sub rescue	1975
88	Kennebec	AO-36	1950	210	Virginia	CGN-38	1978
89	Alstede	AF-48	1967	211*	Palatka	tug	1977
94*	Saranak	T2-SE-A1, T-AO	1955	212*	Edenton	ATS-1	1977
95*	Matthews	AK	1946	213*	Pine Island	seaplane tender	1967
97	Eldorado	AGC-11	1959	214	<i>Proteus</i>	AS-19	1944
98	Winged Arrow	AK	1946	215	Hamilton	CG cutter	1976
103*	Grafton	MS	1950	220	Repose	AH	1969
104*	Arided	Liberty ship, AK	1947	221*	Plunger	SSN	1976
105	Hamul	AD-20	1946	222*	Finback	SSN	1977
109	Agerholm	Gearing FRAM 1	1967	223	Snook	SSN	1976
110	Ticonderoga	CV	1946	230	<i>Tarawa</i>	LHA-1	1980
111	Norris	Gearing class	1945	231*	Barrett	troopship	1959
112*	Blackfin	SS	1944	232*	Sea Fox	SSK	1964
113	Pocono	LCC	1969	233*	Dixie	AR	1972
114*	Knox	FF 1052	1970	240	Moosbrugger	DDG	1978
115	<i>Boxer</i>	LPH-4	1969	241*	Pegasus	Pegasus class	1980
119	Pittsburgh	CA	1945	241a*	Hercules	'at sea'	1980
120	Baltimore	CA	1945	242	Nashville	LPD-13	1975
128*	YMS III	M	1945	243	<i>Mayfield Victory</i>	AK	1944
130	Sangamon	CVE	1942	247*	Greenfish	SSK	1964
131	Carronade	IFS-1	1968	248	<i>Kidd</i>	DDG	1981
138	Tulare	LKA	1969	249	<i>Blue Ridge</i>	LCC-19	1970
140	<i>Inchon</i>	LPH-12	1970	250*	Nimitz	CVAN	1979
142*	De Soto County	LST-1171	1962	251	Bass	SS	1943
148*	Weber	DE	1945	257*	Nautilus	SS	1944
151	Norfolk	DL-1	1953	258*	Pickerel	SS	1943
152*	Kingbird	MS	1967	259*	Chewaukan	AO	1973
153*	Paul Revere	LPA	1969	260*	Biddle	CG-34	1981
154*	Valcour	AGI	1961	261*	Mirfak	AK	1970
155*	Maumee	T-AO	1963	270	Ramsey	FFG-2	1979
160	Gen GM Randall	AP-115	1946	271	Boone	FFG-28	1982

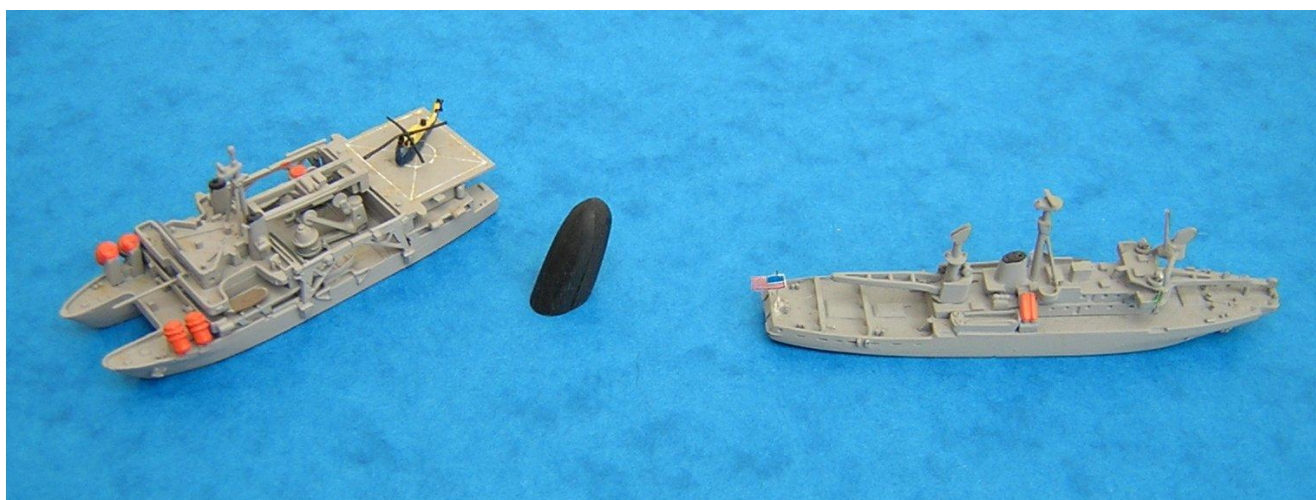
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272*	Porpoise	SS	1938	315*	America	CVA	1965
273	<i>Tarpon</i>	SS	1943	322	Dealey	DDE	1958
274*	Narwhal	SS	1939	323*	Krishna	AR	1958
275*	Dwight D Eisenhower	CVA	1982	324	Butte	AE	1968
281*	Plymouth Rock	LSD	1955	325*	John F Kennedy	CVA	1968
282	Portland	LSD	1970	326	Wabash	AOR	1971
283	Trenton	LPD-14	1980	330	Iowa	BB	1986
284*	Lofberg	Sumner FRAM	1970	331	Bear	CG cutter	1983
285	Mississinewa	AO	1956	332*	Reliance	CG cutter	1964
293	Ticonderoga	CG-47	1983	335*	Constellation	CVA	1961
294*	Ohio	SSBN	1983	336	Canisteo	AOR	1969
295*	Sample	FF1048	1980	346*	Cachalot	SS	1942
298	<i>Austin</i>	<i>LPD-4</i>	<i>1983</i>	347*	Salerno Bay	CVE	1945
299	<i>Genesee</i>	<i>AOG-8</i>	<i>1944</i>	348*	Wilkinson	DD	1956
300*	Carl Vinson	CVAN	1982	349*	Manitou	Patrol boat	1986
301*	Sealift Pacific	T-AO	1975	351*	Willis A Lee	DD	1966
303*	Halibut	SSN	1960	352*	Manila Bay	CVE	1944
304*	San Francisco	SSN	1981	359*	Active	Patrol boat	1995
310*	New Jersey	BB	1983	360	Oriskany	CV	1950
311	Polar Star	ice breaker	1976	Z18	YMS II type		
312	<i>Mackinaw</i>	<i>ice breaker</i>	<i>1945</i>	Z32*	LCT5		
314	Sylvania	AFS	1964	Z50	Lafayette	SSBN	

(Z18, 32 and 50 are full hull models intended for use with Ta202)



**Trident Alpha USS Pine Island**



**Trident Alpha USSs Ortolan and Edenton**



**Rhenania Maersk McKinney Moller – world's largest containership (John Taft)**



**Scratchbuilt INS Vikramaditya (2014) using Triton 1250 and Mountford components**