

LUCAS JANSZ. WAGHENAER
THE MARINERS
MIRROUR

London 1588

WITH AN INTRODUCTION BY R. A. SKELTON

Published by

THEATRVM ORBIS TERRARVM LTD.
AMSTERDAM MCMLXVI




THE MARINERS MIRROVR

Wherin may playnly be seen the courses, heights, distances, depths, soundings, floods and ebs, risings of lands, rocks, sands and shoals, with the marks for thier-trings of the Harbouroughs, Havens and Ports of the greatest part of Europe: their seueral traficks and commodities: Together wth the Rules and instrumets of NAVIGATION.

First made & set fourth in diuers exact Sea-Chartes, by that famous Navigator *Lucas Wolowick* of Enchusen. And now fitted with necessarie additions for the use of Englishmen by **ANTHONY ASHLEY.**

Shewin also may be understood the *Explicits* lately achieved by the right Honorable the L. Admirall of England, with her *M^{ty} the Arcturion* some former seruice don by the worthy Knight **ST. FRANCIS DRAKE.**

**A TABLE OF THE SEVERAL CHAPTERS,
DESCRIPTIONS AND CHARTS OF THE FIRST
parte of this Mariners Mirrour.**

	Page.		Page.
 f the vse and practise of these booke.	1	The perfect table of tide Chart.	30
Of the speciall proprietie of the sea.	2	The ebbs and falling waters a-longst the coasts	32
An exhortation to the apprentices of	3	of Frizeland, Holland, Zeland, and Flaunders.	
the art of Navigation.		falling water a-longst the North coasts of Scot-	32
A table of the golden number and of the Epacts.	4	land, and England.	
How to finde the Epact without an Almenack.	4	falling water between Brittain and Fraunce.	32
How to finde the new Moone from 1588. to 1600	4	falling water a-longst the west coasts of England	32
A table for the new Moones for the Meridian of	5	and Ireland.	
London.		A perfect Description of the depths and soundings	33
A way to finde out the new Moone without either	6	nere to diuers prouinces of our Navigation.	
Calender or Ephemerides.		A description of the soundings and grounds, be-	34
Of the declination of the Sunne & the vse therof	6	tween Ireland, England, and Normandy.	
Of the vse of the Table for the Sunnes declina:	7	A description of the depths of the North Seas	35
The 4. tables for the Sunnes declination.	8	from the North Foreland.	
To finde out the new Moone and the age of the	9	The depth of the North Ocean neare Yutland	35
Moone at all times, accordyng to the auncient		and Ameland.	
computation, without either Kalender or Ephem-		The soundyngs and grounds of Yutland, neare	36
erides.		the Schagen or Scaw.	
Of the fixed Starres and their vse.	11	The depths and grounds of the Baltic or Eastern	36
A Catalogue of the chief fixed starres.	12	sea.	
A table of the right assentions of the Sunne, to	14	The Plots or Sea Charts.	
finde out the howers of the night by the moone.		A Description and generall sea Chart of all the	1
Certain fixed starres that best fit the Crosse staff.	14	coasts of the greatest part of Europe.	
A way to finde out the height of the Pole, by	15	Of the forme and fashion of Stays, Beakons, and	1
the starres which are within the Tropicks decli-		other markes.	
ning from the Aquinoctiall.		Of the Vlie and the Maersdeepe.	2
A declaration of the instrument folowyn.	16	Of the Maze, the Goete, and the Vere.	3
Of the makynge of al manner of sea crosse staues.	18	Of the sea coasts of Flaunders.	4
The makynge of a Crosse-staff for sundry South	18	Of the Isles of Alderney, Garnzey and Jersey, and	5
Starres.		the Qualquets &c.	
How to make and vse a true and perfect Sea-	20	Of the sea coasts between S. Mallos, and beyond	6
Charte.		the port of Roscou.	
THE courses and distances of all the Sea coasts	22	Of Conquet, Brest and Fontenay.	7
of Holand, Zeland, Fraunce and Spayne.		The wonderfull coasts of Britayn.	
The courses of England, Ireland and Scotland.	22	Of the South coasts of Britayn, between Blauer	8
Diuers and sundry courses ouer the Western seas	23	and Picquelier, with Bellisle and Groy.	
The courses of Norway, Swedland, and East	23	Of the sea coasts of Picquelier, Rochel, Brouage as	9
Finland.		far as the Riuer of Bourdeaux.	
Diuers courses ouer the Baltick or Eastern sea.	23	Of the sea coasts of Acafon, Bayon, and the Cay	10
The courses of Frizeland, Yutland, Pomerland,	24	stern part of Biscay vnto Castro.	
Curland, and Lyland.		Of the sea coasts between Laredo and Sentilliana.	11
The courses on the backside of Moscouic and ge-	24	Of the sea coasts between Rio de Sella, and Auiles.	12
nerally of all our trafficks.		Of the sea coasts of Ribadeos, Buiero and Luarda.	13
A table of the Altitudes, or Latitudes of the Pole of	25	Of Corunna called the Groyne, Ferolis and Monfy,	14
the most famous places, points, and capes.		the cheffest Ports of Gallicia.	
An explication of the common table of the tides.	26	Of the coasts of Gallicia, from the Cape of Finis-	15
What Moone maketh full Sea vpon the coastes	26	terre to Camino.	
of Yutland, Frizeland, Holland, and Zealand.		Of the sea coasts of the North parts of Portugal,	16
full sea vpon the coasts of Flaunders, Normandie,	26	from Viana, to Cape de Montego.	
Brittain, Gascoyn, Biscay, Gallicia, Portugall, and		Of the sea coasts of the most notable part of Por-	17
Spayne.		tugal, viz. from the Burlings to beyond S. Yues.	
full sea vpon all the coasts of England, Scotland,	26	Of the sea coasts of Algarbes the Southern part	18
and Ireland.		of Portugall.	
An instruction to know how many leagues you	27	Of the sea coasts and hauens of Andaluzia.	19
saple vpon euery point of the compass for a degree.		Of the sea coasts from the Surlings to the farthest part	20
A declaration of the table follovyng.	27	of England to Plimmouth.	
The compass and table of the ebbing and flow-	27	Of the sea coasts of England, between Plimmouth	21
ing of the Sea.		and Portland.	
A compass, and table to finde out the Tides of all	27	Of the sea coasts between the Ile of Wight and	22
coastes.		Douer.	
A declaration of the table which containeth all	29		
the full seas & falling waters vpon the same			
poynnt of the Compass.			