UNITED STATES OFFICE, NO. 45. THE NAVIGATION OF THE ATLANTIC OCEAN. TRANSLATED FROM THE FRENCH

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649655687

United States Office, No. 45. The Navigation of the Atlantic Ocean. Translated from the French by F. Labrosse & J. B. Coghlan

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

F. LABROSSE & J. B. COGHLAN

UNITED STATES OFFICE, NO. 45. THE NAVIGATION OF THE ATLANTIC OCEAN. TRANSLATED FROM THE FRENCH



UNITED STATES HYDROGRAPHIC OFFICE.

No. 45.

THE NAVIGATION

OI

THE ATLANTIC OCEAN,

TRANSLATED FROM

THE FRENCH OF MONS. F. LABROSSE

BY

LIEUT. COMD'R J. B. COGHLAN, U. S. N.

\$2. JU

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1887.

14434.

0

PREFACE.

The Navigation of the Atlantic Ocean, translated at this office, from the French of M. F. Labrosse, is a valuable addition to our knowledge of the winds, currents, and routes through this ocean. The edition of 1873 being exhausted, it is now republished for the benefit of mariners.

J. B. BARTLETT,

Hydrographer.

U. S. Hydrographic Office, February, 1887.

:



TABLE OF CONTENTS.

PART I.

GENERAL INSTRUCTIONS FOR THE NAVIGATION OF THE NORTH ATLANTIC OCEAN.

CHAPTER I.

CALMS-WINDS-CURRENTS-ICEBERGS-BAROMETER.	Page.
Zones of calms; equatorial and tropical calms	11
North Atlantic trade-winds	13:
Zone of westerly winds	16
The SW, monsoon of the coast of Africa.	17
Prevailing winds on the coasts and in the principal groups of islands	. 19
Currents of the North Atlantic Ocean: Equatorial current; Amazon River; currents of the Caribbean Sea and Gulf of Mexico; currents among the Great Antillee and the Bahamas; Gulf Stream; currents of Greenland and Davis's Straits; Bay of Biscay and Rennel current; easterly current in the eastern part of the Atlantic; African coast current—Morocco and Senegal;	, 15
Guinea current	30
Icebergs—tables of ice limits	40
Use of the barometer.	40
CHAPTER II.	
OBSERVATIONS ON THE PRINCIPAL BOUTES ACROSS THE	
NORTH ATLANTIC OCEAN.	
Routes from New York to the English Channel and to Liverpool	43
Route from the Channel and Liverpool to New York, northern passage	46
Route from the Chaunel and Liverpool to New York, southern passage: first,	
from the Channel to the trades; second, from the trades to New York	49
Route from New York to Gibraltar	52
Route from Gibraltar to New York: first, by way of the trades; second, direct	13
route	53
Route from Europe to Newfoundland, &c.: first, from Brest or the Channel; second, from Gibraltar	55-
Route from Newfoundland to the Channel	56
Route from Newfoundland to Gibraltar	57
Route from the Channel or Gibraltar to the West Indies and Cayenne	57
Route from the West Indies and Guiana to Gibraltar	58
Route from the West Indies and Guiana to the Channel	60
Route from the Channel or Gibraltar to Senegal	61
	_

TABLE OF CONTENTS.

Boute from Senegal to Gibraltar	62
Route from Senegal to the Channel	64
Route from France to the Gaboon River	65
Route from the Gaboon River to France	67
CHAPTER III.	
ROUTES-CONTINUED.	
Route from France to the equator	71
Route from the equator to France	78
Route from New York to the equator	86
Route from the line to New York	94
PART II.	
CHAMBELL INCOMPTION OF BOD WITH MANICAL OF BUTH	
GENERAL INSTRUCTIONS FOR THE NAVIGATION OF THE SOUTH ATLANTIC OCEAN.	
CHAPTER IV.	
CALMS—WINDS—BAROMETER—CURRENTS—ICEBERGS.	į
Calm-zones; equatorial and tropical calms	101
Sontheast trade-winds	103
Monsoon of the coast of Africa	108
General westerly winds	110
Prevailing winds on the coasts of Africa and South America; local breezes-	(C-22)
Pamperos and Suestadas	111
Currents of the South Atlantic: Brazil current; counter-current of the Brazil coast; currents of the Rio de la Plata; Patagonian coast; current of Cape Horn; easterly drift current; Agulhas current; trade-wind current;	<u>(4)</u>
west coast of Africa; current of the Congo River	116
Icebergs; table of ice limits.	122
Barometer; tables of mean heights; observations on the use of barometer	140
off Cape Horn	123
CHAPTER V.	OHE?
OHAITEM V.	
OBSERVATIONS ON THE PRINCIPAL ROUTES ACROSS THE SOUTH ATLANTIC OCEAN.	150
Route from the line to the Indian Ocean	129
Return route from the Indian Ocean to Enrope	135
Route from the line to the Cape of Good Hope	137
Route from the Cape of Good Hope to the line	139
Route from the line to the Pacific Ocean	141
38 3820	1.41
CHAPTER VI.	
ROUTES—CONTINUED.	
Return route from the Pacific to the line	152
Remarks on doubling Cape Horn from east to west	164
Passage through the Straits of Magellan: First, from the Atlantic to the	\$200
Pacific; second, from the Pacific to the Atlantic	171
Route from the Straits of Magellan to the line	174
#0 Etc.	

TABLE OF CONTENTS.

CHAPTER VII.

BOUTES-CONTING	ED.
Remarks on doubling the Cape of Good Hope: Fir	st, from E, to W.; anchor-
ages of Table Bay and Simon's Bay; second, fro	
Route from the line to Bahia	
Route from Bahia to the line	
Route from Bahia to Rio Janeiro and Cape Horn	First, from Bahla to Rio;
second, from Bahia to Cape Horn	
Route from Cape Horn, or the Straits of Magellan	, to Bahis
Route from Bahia to the Cape of Good Hope	
Route from the Cape of Good Hope to Bahia	
Route from Bahia, or Pernambuco, to the Gaboon	River
Route from the Gaboon to Bahia	
Route from the line to Rio	
Routes from Rio to Bahia and the line: First, from	Rio to Bahia; second, from
Rio to the line	
Routes from Rio to Montevideo and Cape Horn: Fir general remarks on making the land; second, fr	
CHAPTER VI	ш.
ROUTES—CONTINU	ED.
Route from Cape Horn, or the Straits of Magellan	, to Rio
Route from Rio to the Cape of Good Hope	
Route from the Cape of Good Hope to Rio	
Route from Rio to the Gaboon River	
Route from the Gaboon to Rio	
Route from the line to Montevideo	*** *** ****
Routes from Montevideo to Rio, Bahia, and the li- to Rio; second to Montevedio to Bahia; third, fr	
Route from Montevideo to Cape Horn	
Route from Cape Horn to Montevideo	
Route from Montevideo to the Cape of Good Hope	
Route from the Cape of Good Hope to Montevideo	
Route from Montevideo to the Gaboon River	
Route from the Gaboon to Montevideo	
CHAPTER IN	.
ROUTES—CONCLU	
Route from Senegal to Brazil	
Route from Bahia, or Pernambuco, to Senegal: Fit	
Route from Montavides to Sengal	
Route from Montevideo to Senegal	
Route from Senegal to the Gaboon River	
Route from the Gaboon to Senegal	
Route from Senegal to the Cape of Good Hope	
Route from Several to Cape Horn	
Route from Senegal to Cape Horn	
Route from the Gaboon to the Cape of Good Hope :	
Route from the Cape of Good Hope to the Gaboon	
Route from the West Indies, or Guiana, to Brazil.	
Route from the line to the West Indies	

