CONTENTS.

ATT	A	PTER	т
4 3 M	А	PT'N H	

Voyage to Gibraltar—View of Tangier—Interior of the town—Portuguese and English occupation—Hospitable reception by Sir John Drummond Hay—Ravensrock—Government of Marocco—Climate of North Marocco—Exceptional season—The Djebel Kebir and its vegetation—Cistus and Heath region—Cape Spartel—Night at the Lighthouse—Cave of Horcules—Arab village—Raturn to Tangier

CHAPTER IL

Start for Tetuan—Vogetation of the low country—Serpent charmers—Twilight in the forest—The Fondak—Stormy night on the roof—Breakfast on the kill—Riff Mountains—A Governor in chains—Fate of high officials in Marocco—Valloy of Tetuan—Jew quarter of the city—Ascent of the Beni Hosmar—Vogetation of the mountain—A quiet day—Jowish population—Ride to Ceuta—Spanish campaign in Marocco—Fortifications of Ceuta—Return to European civilisation—Spanish convict stations in Africa

CHAPTER III.

Sail to Algorica—Vegetation of the neighbouring hills—Comparison between the opposite sides of the Strait of Gibraltar— Return to Tangier—Troubles of a hotanist—Fez pottery— Voyage in French steamer—Rabat and Salles—Land at Casa Blanca—Vegetation of the neighbourhood—Humidity of the coast climate—Mazagan—View of Saffi



PARE

1

~~~		~~~	~~~
111	Δ	प्रशास्त	ı v

Arrival at Mogador-The Sultan's letter-Preparations for our journey—The town of Mogador—The neighbouring country-Ravages of locusts-Native races of South Marocco-Excursion to the island-Climate of Mogador-Its influence on consumption-Dinner with the Governor

75

#### CHAPTER V.

Departure from Mogador—Argan forest—Hilly country of Haha -Fertile province of Shedma—Hospitality of the Governor -Turkish visitor-Offering of provisions-Kashah of the Governor-Ride to Ain Oumast-First view of the Great Atlas—Preudo-Sahara—Tomb of a saint—Nzelas—Ascend the 'Camel's Back'-Oasis of Sheshaous-Coolness of the night temperature—Rarity of ancient buildings—Halt at Ain Beida-Tents and luggage gone astray-Night at Misra ben Kara-Cross the Oued Nivs-Plain of Marocco-Range of the Great Atlas-Halt under tamarisk tree

95

## CHAPTER VI.

Approach to the city of Marocco-Pleasant encounter-Hait in an olive garden-Interior of the city-Difficulty as to lodging-Governor unfriendly-Camp in the great square-Negotintions with the Viceroy-Successful result-Palace of Bon Dreis-Diplomatic difficulties-Gardens of Marocco-Interview with El Graoui

125

## CHAPTER VIL

Choice of a route in the Atlas-Difficulty of procuring information—Hills near the city—Panorama of the Great Atlas— Probable height of the range-Wild birds of Marocco-Condition of the Jews-Departure from the city-Farewell interview with El Graoui-District of Mosliom-Interview with the Kaid-Approach to the Great Atlas-Aspect of the vogetation - Castle of Tasseremout-Washington's visit-Jewish suppliants—Great boulder mounds—Ourika valley— Peculiarities of Moorish character—Rapacity of our escort . 140

#### CHAPTER VIII.

EDAT

Vegetation of Ourika valley—Destruction of the native trees—Our progress checked—Enforced return—Shelluh villago—Ride from Ourika to Reraya—Trouble with our escort—A friendly Shelluh sheik—Native desire for medical advice—Characteristics of the Shelluhs—Zaouia of Moulaï Ibrahim—Camp in Aft Mesan valley—Excursion to the head of the valley—Reach the snow—Night travelling in the Atlas

. 175

#### CHAPTER IX.

The Shelluh shelk bribed — Arrangements for stopping at Arround—Medical practice among the Shelluhs—Arabic correspondence—Unexpected difficulty—Strange fancies of the natives—Threatening weather—Our house at Arround—Gloomy morning—Saint's temb—Escape from our guides—Strange succunter—Snow-storm—Tagherot pass—Descent to Arround—Continuance of had weather—Sacrifice of a sheep—Shelluh mountaineers—Fauna of the Great Atlas—Roturn to Hasai—Deplorable condition of our camp.

207

#### CHAPTER X.

Departure from Hasni—Plateau of Saktana—Grand view of the Great Atlas—Departure of Maw—Village of Gurgouri—Intigues of Kaid el Hashi—Passage of the Oued Nfyz—Arrival' at Amsmiz—Friendly Governor—Difficulties as to further progress—Position of Amsmiz—Sleeping quarters in the Kashah—Fanetical sheik—Shelluh market—View of the Amsmix valley—Village of Imisteli—Friendly Jews—Geological structure and vegetation of the valley—Sheik's opposition overcome—Ascent of Djobel Tesah—The guide left behind—View from the summit—Anti-Atlas seen at last—Deserted dwellings on the peak—Ancient oak forest—Rapid descent—Night ride to Iminteli

239

#### CHAPTER XL

Return to Ameniz—Arround villagers in trouble—Pains and pleasures of a hotmist—Ride across the plain—Microda— Experiences of a Governor in Marocco—Hospitable chief of

Page

Keira—A village in excitement—Arrival at Sekssoua—Fresh difficulties as to our routo—A faithful black soldier—Rock vegetation at Seksaoua—Ascent of a neighbouring mountain—View of the Great Atlas—Absence of perpetual snow—Return of our envoy from Mtouga—Pass leading to Tarudant—Native names for the mountains—Milhain—Botanising in the rocks	271
CHAPTER XII.	
Departure from Milhain—Defile of Ain Tarsil—Dwellings of the troglodytes—Arrival at Mtouga—Gloomy evening—Governor's return from the fight—Prisoners of war—Their fate—Ride to Miskala—A venerable Moor—Return to the Kesbah of Shedma—Poisoned guests—Ride to Ain el-Hadjar—The Iron mountain—Ancient mining work—Eccentric soldior—Ascent of Djebel Hadid—Ruins of Akermont—Ride to Mogador—A Kasbah in ruius—Powder-play on the beach—Return to Mogador.	200
CHAPTER XIII.	
Second stay at Mogador—Plants obtained through native collectors—Outrage committed by the Haha people—Story of the troubles in Haha—Farowell presents to our servants and escort—An unpunctual tradesman corrected—Exports from Mogador—Caravans from Timbuktou—Jawish wedding—Voyage in the Lady Havelock—Land at Saffi—Excursion ashore—Land at Managan—Return to Tangier, and thence to England	320
CHAPTER XIV.	
Resources of Marocco—Moorish government a hopeless failure —Future prospects of Marocco—Objections to European interference—Answers to such objections	<b>3</b> 48

## CONTENTS.

# APPENDICES.

APPENDIX A.	
Observations for determining Altitudes of Stations in Marocco.	PAGE
By John Ball	857
APPENDIX B.	
Itinomries of Routes from the City of Marocco through the Groat Atlas. By SALOHON BEN DAOUD	360
APPENDIX O.	
Notes on the Geography of South Marocco. By John Ball .	871
APPENDIX D.	
On some Economic Plants of Marocco. By JOSEPH DALTON HOORER	<b>38</b> 0
APPENDIX E.	
A Comparison between the Flore of the Cenary Islands and that of Marcoco. By Jeanen Dazzon Hookin	404
APPENDIX F.	
A Comparison between the Mountain Flora of Tropical Africa and that of Marocco. By JOHNER DALKON HOOKER	491
APPENDIX G.	
On the Mountain Flora of two Valloys of the Great Atlas. By JOHN BALL	423

## CONTENTS.

A PERMITTE II

ALIBRAR II.	PAGE
Notes on the Geology of the Plain of Marocco and the Great Atlas. By George Maw, F.G.S., F.L.S., &c.	444
APPENDIX I.	
Moorish Stories and Fables	468
APPENDIX K.	
On the Shelluh Language. By JOHN BALL	478
APPENDIX L	
Note on the Roman Remains known to the Moors as the Castle of Pharnoh, near Mouley Edris el Kebir. Communicated by Messrs. W. H. RIGHARDSON and H. B. BRADY, F.R.S.	485
INDEX	491