

Ballou Maturin Murray

Foot-prints of Travel: or, Journeyings in Many Lands



Maturin Ballou

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PREFACE

In these notes of foreign travel the object has been to cover a broad field without making a cumbersome volume, to do which, conciseness has necessarily been observed. In previous books the author has described much more in detail some of the countries here briefly spoken of. The volumes referred to are "Due-West; or, Round the World in Ten Months," and "Due-South; or, Cuba Past and Present," which were published by Houghton, Mifflin & Co., of Boston. Two other volumes, namely, "Due-North; or, Glimpses of Scandinavia and Russia," and "Under the Southern Cross; or, Travels in Australia and New Zealand," were issued by Ticknor & Co., of the same city. By the kind permission of both publishers, the author has felt at liberty to use his original notes in the preparation of these pages. It should be understood, however, that about one-half of the countries through which the reader is conducted in the present work are not mentioned in the volumes above referred to. The purpose has been to prepare a series of chapters adapted for youth, which, while affording pleasing entertainment, should also impart valuable information. The free use of good maps while reading these Foot-prints of Travel, will be of great advantage, increasing the student's interest and also impressing upon his mind a degree of geographical knowledge which could not in any other way be so easily or pleasantly acquired.

M. M. B.

CHAPTER I

The title of the book in hand is sufficiently expressive of its purpose. We shall follow the course of the sun, but diverge wherever the peculiarities of different countries prove attractive. As the author will conduct his readers only among scenes and over routes which he himself has travelled, it is hoped that he may be able to impart a portion of the enjoyment experienced, and the knowledge gained in many foreign lands and on many distant seas.

Starting from the city of Boston by railway, we pass at express speed through the length of Massachusetts from east to west, until we arrive at Hoosac, where the famous tunnel of that name is situated. This remarkable excavation, five miles in length, was cut through the solid rock of Hoosac Mountain to facilitate transportation between Boston and the West, at a cost of twenty years of labor and sixteen millions of dollars; a sum, which, were it divided, would amount to over five dollars per head for every man, woman, and child in the State.

By a continuous day's journey from Boston, we reach Niagara late at night. The best view of the falls, which form the grandest cataract on the globe, is to be enjoyed from the Canada side of the Niagara River. In the midst of the falls is Goat Island, dividing them into two unequal parts, one of which forms the American, and the other the Horse Shoe Fall, so called from its shape, which is on the Canada side. As we gaze upon this remarkable exhibition of natural force, a column of vapor rises two hundred feet above the avalanche of waters, white as snow where it is absorbed into the skies, the base being wreathed with perpetual rainbows. A canal, starting from a convenient point above the falls and extending to a point below the rapids, utilizes for mill purposes an infinitesimal portion of the enormous power which is running to waste, night and day, just as it has been doing for hundreds of years. It is well known that many centuries ago these falls were six miles nearer to Lake Ontario than they now are, making it evident that a steady wearing away of the rock and soil is all the time progressing. The inference seems to be plain enough. After the lapse of ages these mammoth falls may have receded so far as to open with one terrific plunge the eastern end of Lake Erie. Long before the Falls are reached we hear the mighty roar which made the Indians call the cataract Niagara, or "the thunder of the waters." On leaving here, we cross the river by a suspension bridge, which, from a short distance, looks like a mere spider's web. Over this the cars move slowly, affording a superb view of the Falls and of the awful chasm below.

But let us not dwell too long upon so familiar a theme. After a day and night in the cars, travelling westward, Chicago, the capital of Illinois, is reached. About sixty years ago a scattered tribe of the Pottawatomies inhabited the spot on the shore of Lake Michigan, where is now situated the most important capital of the North Western States. In 1837 the city was formed with less than five thousand inhabitants; at this writing it has nearly a million. Such rapid growth has no parallel in America or elsewhere. This commercial increase is the natural result of its situation at the head of the great chain of lakes. In size it is a little over seven miles in length by five in width, giving it an area of about forty square miles. The city is now the centre of a railroad system embracing fifteen important trunk lines, forming the largest grain, lumber, and livestock market in the world. One hundred and sixty million bushels of grain have passed through its elevators in a twelvemonth.

On our way westward, we stop for a day at Salt Lake City, the capital of Utah, some sixteen hundred miles from Chicago. The site of the present town was an unbroken wilderness so late as 1838, but it now boasts a population of twenty-six thousand souls. The peculiar people who have established themselves here, have by industry and a complete system of irrigation, brought the entire valley to a degree of fertility unsurpassed by the same number of square miles on this continent. It is not within our province to discuss the domestic life of the Mormons. No portrait of them, however, will prove a likeness which does not clearly depict their twofold features; namely, their thrift and their iniquity. Contact with a truer condition of civilization, and the enforcement of United

States laws, are slowly, but it is believed surely, reducing the numbers of the self-entitled "saints." Mormon missionaries, however, still seek to make proselytes in France, Norway, Sweden, and Great Britain, addressing themselves always to the most ignorant classes. These poor half-starved creatures are helped to emigrate, believing that they are coming to a land flowing with milk and honey. In most cases any change with them would be for their advantage; and so the ranks of Mormonism are recruited, not from any truly religious impulse in the new disciples, but through a desire to better their physical condition.

From Utah, two days and a night passed in the cars will take us over the six hundred intervening miles to San Francisco. The route passes through the Sierra Nevada Mountains, presenting scenery which recalls the grand gorges and snow-clad peaks of Switzerland and Norway, characterized by deep canyons, lofty wooded elevations, and precipitous declivities. At the several railway stations specimens of the native Shoshones, Piutes, and other tribes of Indians are seen lazily sunning themselves in picturesque groups. The men are dirty and uncouth examples of humanity, besmeared with yellow ochre and vermilion; their dress consisting of loose flannel blankets and deerskin leggings, their rude hats decked with eagle feathers. The women are wrapped in striped blankets and wear red flannel leggings, both sexes being furnished with buckskin moccasins. The women are fond of cheap ornaments, colored glass beads, and brass ear-rings. About every other one has a baby strapped to her back in a flat basket. Men and squaws wear their coarse jet-black hair in long, untidy locks, hanging over their bronzed necks and faces. War, whiskey, and want of proper food are gradually blotting out the aboriginal tribes of America.

San Francisco, less than forty years of age, is the commercial metropolis of California, which State, if it lay upon the Atlantic coast, would extend from Massachusetts to South Carolina. It covers a territory five times as large as the whole of the New England States combined, possessing, especially in its southern division, a climate presenting most of the advantages of the tropics with but few of the objections which appertain to the low latitudes. The population of San Francisco already reaches an aggregate of nearly four hundred thousand. Owing its first popular attraction to the discovery of gold within its borders, in 1849, California has long since developed an agricultural capacity exceeding the value of its mineral productions. The future promise and possibilities of its trade and commerce defy calculation.

The Cliff House, situated four or five miles from the centre of the city, is a favorite pleasure resort of the population. It stands on a bluff of the Pacific shore, affording an ocean view limited only by the power of the human vision. As we look due west from this spot, no land intervenes between us and the far-away shore of Japan. Opposite the Cliff House, three hundred yards from the shore, there rises abruptly out of the sea, from a depth of many fathoms, a rough, precipitous rock, sixty or seventy feet in height, presenting about an acre of surface. Sea-lions come out of the water in large numbers to sun themselves upon this rock, affording an amusing sight from the shore. These animals are of all sizes, according to age, weighing from fifty to one thousand pounds, and possessing sufficient muscular power to enable them to climb the rock, where a hundred are often seen at a time. The half roar, half bark peculiar to these creatures, sounds harsh upon the ear of the listeners at the Cliff. The law of the State protects them from molestation, but they quarrel furiously among themselves. The sea-lion belongs to the seal family and is the largest of its species.

A week can hardly be more profitably occupied upon our route than by visiting the Yosemite Valley, where the grandeur of the Alpine scenery is unsurpassed, and where there are forests which produce giant trees of over three hundred feet in height and over thirty in diameter. The ascent of the mountain which forms the barrier to the valley, commences at a place called Clark's, the name of the person who keeps the hotel, and which is the only dwelling-house in the neighborhood. The stage is drawn upwards over a precipitous, winding road, by relays of six stout horses, to an elevation of seven thousand feet, leaving behind nearly all signs of human habitation. A mournful air of loneliness surrounds us as we creep slowly towards the summit; but how grand and inspiring are

the views which are seen from the various points! One falls to analyzing the natural architecture of these mountain peaks, gulches, and cliffs, fancy making out at times well-defined Roman circuses; again, castellated crags come into view, resembling half-ruined castles on the Rhine; other crags are like Turkish minarets, while some rocky ranges are dome-capped like St. Peter's at Rome. Far below them all we catch glimpses of dark ravines of unknown depths, where lonely mist-wreaths rest like snow-drifts.

Nestling beside the roadway, there are seen here and there pale wild-flowers surrounded by vigorous ferns and creeping vines, showing that even here, in these lofty and deserted regions, Nature has her poetic moods. Birds almost entirely disappear at these altitudes, preferring the more genial atmosphere of the plains, though now and again an eagle, with broad spread pinions, is seen to swoop gracefully from the top of some lonely pine, and sail with unmoving wings far away across the depth of the valley until hidden by the windings of the gorge. Even the presence of this proud and kingly bird but serves to emphasize the loneliness of these silent heights.

By and by the loftiest portion of the road is reached at what is known as Inspiration Point, whence a comprehensive view is afforded of the far-famed valley. Though we stand here at an elevation of over seven thousand feet above the plains so lately crossed, still the Yosemite Valley, into which we are gazing with awe and admiration, is but about three thousand five hundred feet below us. It runs east and west, appearing quite contracted from this great height, but is eight miles long by over one in width. On either side rise vertical cliffs of granite, varying from three to four thousand feet in height, several of the lofty gorges discharging narrow but strikingly beautiful and transparent water-falls. Upon descending into the valley, we find ourselves surrounded by precipitous mountains, nearly a score in number, the loftiest of which is entitled Starr King, after the late clergyman of that name, and is five thousand six hundred feet in height. But the Three Brothers, with an average height of less than four thousand feet, and Sentinel Dome, measuring four thousand five hundred feet high, seem to the casual observer to be quite as prominent, while El Capitan, which is about three thousand three hundred feet in height, appears from its more favorable position to be the most striking and effective of them all. Eleven water-falls of greater or less magnitude come tumbling into the valley, adding to the picturesqueness of the scene. Of these several falls, that which is known as the Bridal Veil will be sure to strike the stranger as the finest, though not the loftiest. The constant moisture and the vertical rays of the sun carpet the level plain of the valley with a bright and uniform verdure, through the midst of which winds the swift-flowing Merced River, adding completeness to a scene of rare and enchanting beauty.

It was not until so late as the year 1851 that the foot of a white man ever trod the valley, which had for years proven the secure hiding-place of marauding Indians. In their battles with the whites, the latter were often surprised by the sudden disappearance of their foes, who vanished mysteriously, leaving no traces behind them. On these occasions, as was afterwards discovered, they fled to the almost inaccessible Yosemite Valley. Betrayed at last by a treacherous member of their own tribe, the Indians were surprised and nearly all destroyed. There is scarcely a resident in the valley except those connected with the running of the stages during the summer months, and those who are attached to the hotel. It is quite inaccessible in winter. An encampment of native Indians is generally to be seen in the warm months, located on the river's bank, under the shade of a grove of tall trees; the river and the forest afford these aborigines ample food. For winter use they store a crop of acorns, which they dry, and grind into a nourishing flour. They are a dirty, sad-looking race, far more repulsive in appearance than the lowest type of Spanish gypsies one meets in Andalusia.

In returning from the Yosemite to San Francisco, let us do so by the road leading through the Mariposa Grove of Big Trees. These forest monarchs are situated in a thickly wooded glade hundreds of feet up the slope of the Sierra. We find one of these trees partially decayed towards its base, yet still alive and standing upright with a broad, lofty passage-way through its entire trunk, large enough for our stage, laden with passengers inside and out, to drive through. Though time has made such

havoc with this trunk, it still possesses sufficient vitality to bear leaves upon its topmost branches, some three hundred feet above the ground. It is curious that these enormous trees, among the largest upon the globe, have cones only about the size of walnuts, with seeds of hardly a quarter of an inch in length. There are trunks lying upon the ground in this remarkable grove which are believed to be two thousand years of age; and others upright, and in growing condition, which are reckoned by their clearly defined annual rings, to be thirteen hundred years old. The region embraced in what is known as the Yosemite Valley has been ceded by the National Government to the State of California, on the express condition that it shall be kept inviolate in its present wild and natural state for all time.

The streets, alleys, and boulevards of San Francisco present a panorama of human interest rarely excelled in any part of the world. How impressive to watch its cosmopolitan life, to note the exaggerated love of pleasure exhibited on all hands, the devotion of each active member of the community to money-making, the prevailing manners and customs, the iniquitous pursuits of the desperate and dangerous classes, and the readiness of their too willing victims! It is the solitary looker-on who sees more than the actors in the great drama of every-day life. Above all, it is most curious to observe how the lines of barbarism and civilization intersect along these teeming avenues.

There is a district of the city near its very centre, known as Chinatown, which is at total variance with the general surroundings. It requires but a slight stretch of the imagination after passing its borders to believe one's self in Canton or Hong Kong, except that the thoroughfares in the Asiatic capitals are mere alleys in width, shut in overhead and darkened by straw mats, while here we have broad streets after the American and European fashion, open to the sky. They are, however, lined with Chinese shops, decked in all their national peculiarities, exhibiting the most grotesque signs, while the windows are crowded with outlandish articles, and the whole surrounded by an Oriental atmosphere. This section is almost entirely peopled by Mongolians, and such poor abandoned men and women of other nationalities as seek among these repulsive surroundings to hide themselves from the shame and penalty of their crimes.

It is not proposed in these Foot-Prints of Travel to remain long on this continent. Americans are presumed to be quite familiar with their native land; so we will embark without delay upon a voyage across the Pacific Ocean to Japan, by way of the Sandwich Islands. Once on board ship, we quickly pass through the Golden Gate, as the entrance to the spacious harbor of San Francisco is called, steering south-southwest towards the Hawaiian group, which is situated a little over two thousand miles away. The great seas and oceans of the globe, like the land, have their geographical divisions and local peculiarities, varying essentially in temperature, products, and moods; now marked by certain currents; now noted for typhoons and hurricanes; and now lying in latitudes which are favored with almost constant calms and unvarying sunshine. By a glance at the map we shall see that a vessel taking her course for New Zealand, for instance, by the way of the Sandwich Islands, will pass through a tract of the Pacific Ocean seemingly so full of islands that we are led to wonder how a ship pursuing such a route can avoid running foul of some of the Polynesian groups. But it must be remembered that the distances which are so concisely depicted to our eyes upon the map, are yet vast in reality, while so mathematically exact are the rules of navigation, and so well known are the prevailing currents, that a steamship may make the voyage from Honolulu to Auckland, a distance of four thousand miles, without sighting land. When Magellan, the Portuguese navigator, first discovered this great ocean, after sailing through the straits which bear his name, he called it the Pacific Ocean, and perhaps it seemed "pacific" to him after a stormy voyage in the Caribbean Sea; but portions of its surface are quite as restless and tempest-tossed as are the waters of any part of the globe. The Pacific measures nine thousand miles from north to south, and is ten thousand miles broad between Quito, South America, and the Moluccas or Spice Islands. At the extreme north, where Behring's Strait divides the continents of Asia and America, it is scarcely more than forty miles in width, so that in clear weather one can see the shores of Asia while standing on our own continent.

It is an eight days' voyage by steamship from San Francisco to Honolulu, giving the traveller ample time to familiarize himself with many peculiarities of this waste of waters. Occasionally a whale is sighted, throwing up a small column of water as it rises at intervals to the surface. A whale is not a fish; it differs materially from the finny tribe, and can as surely be drowned as can a man. Whales bring forth living young; they breathe atmospheric air through their lungs in place of water through gills, having also a double heart and warm blood, like land animals. Flying-fish are frequently seen, queer little creatures, resembling the smelts of our northern waters. While exhibiting the nature of a fish, they have also the soaring ambition of a bird. Hideous, man-eating sharks are sure to follow in the ship's wake, watching for some unfortunate victim of a sailor or passenger who may fall overboard, and eagerly devouring any refuse thrown from the cook's galley. At times the many-armed cuttlefish is seen to leap out of the water, while the star-fish, with its five arms of equal length, abounds. Though it seems so apparently lifeless, the star-fish can be quite aggressive when pressed by hunger, having, as naturalists tell us, a mysterious way of causing the oyster to open its shell, when it proceeds gradually to consume the body of the bivalve. One frail, small rover of the deep is sure to interest the voyager; namely, the tiny nautilus, with its transparent covering, almost as frail as writing-paper. No wonder the ancient Greeks saw in its beautifully corrugated shell the graceful model of a galley, and hence its name, derived from the Greek word which signifies a ship. Sometimes a pale gray, amber-like substance is seen floating upon the surface of the sea, which, upon examination, proves to be ambergris, a substance originally found in the body of the sperm whale, and which is believed to be produced there only. Scientists declare it to be a secretion caused by disease in the animal, probably induced by indigestion, as the pearl is said to be a diseased secretion of the Australian and Penang oysters. Ambergris is not infrequently found floating along the shores of the Coral Sea, and about the west coast of New Zealand, having been ejected by the whales which frequent these waters. When first taken from the animal it is of a soft texture, and is offensive to the smell; but after a brief exposure to the air it rapidly hardens, and then emits a sweet, earthy odor, and is used in manufacturing choice perfumery.

The harbor of San Francisco abounds in big, white sea-gulls, which fly fearlessly in and out among the shipping, uttering defiant screams, or floating gracefully like corks upon the water. They are large, handsome, dignified birds, and are never molested, being looked upon as picturesque ornaments to the harbor; and they are also the most active of scavengers, removing all sorts of floating carrion and refuse which is thrown overboard. The gulls one sees off the coast of Norway are numbered by thousands, but they are not nearly so large as these bird monarchs of the Pacific. A score of these are sure to accompany us to sea, closely following the ship day after day, living mostly upon the refuse thrown out from the steward's department. In the month of October, 1884, one of these birds was caught by the passengers upon a steamship just as she was leaving the coast of America for Japan. A piece of red tape was made fast to one of its legs, after which it was restored to liberty. This identical gull followed the ship between four and five thousand miles, into the harbor of Yokohama. Distance seems to be of little account to these buoyant navigators of the air.

On approaching the Hawaiian group from the north, the first land which is sighted is the island of Oahu, and soon after we pass along the windward shores of Maui and Molokai, doubling the lofty promontory of Diamond Head, which rears its precipitous front seven hundred feet above the sea. We arrive at the dawn of day, while the rising sun beautifies the mountain tops, the green slopes, the gulches, and fern-clad hills, which here and there sparkle with silvery streamlets. The gentle morning breeze blowing off the land brings us the dewy fragrance of the flowers, which has been distilled from a wilderness of tropical bloom during the night. The land forms a shelter for our vessel, and we glide noiselessly over a perfectly calm sea. As we draw nearer to the shore, sugar plantations, cocoanut groves, and verdant pastures come clearly into view. Here and there the shore is dotted with the low, primitive dwellings of the natives, and occasionally we see picturesque, vine-clad cottages of American or European residents. Approaching still nearer to the city of Honolulu, it seems to be

half-buried in a cloud of luxuriant foliage, while a broad and beautiful valley stretches away from the town far back among the lofty hills.

The steamer glides at half speed through the narrow channel in the coral reef which makes the natural breakwater of the harbor. This channel is carefully buoyed on either side, and at night safety-lamps are placed upon each of these little floating beacons, so that a steamship can find her way in even after nightfall. Though the volcanic origin of the land is plain, it is not the sole cause of these reefs and islands appearing thus in mid-ocean. Upon the flanks of the upheaval the little coral animal, with tireless industry, rears its amazing structure, until it reaches the surface of the waves as a reef, more or less contiguous to the shore, and to which ages finally serve to join it. The tiny creature delegated by Providence to build these reefs dies on exposure to the air, its work being then completed. The far-reaching antiquity of the islands is established by these very coralline formations, which could only have attained their present elevation, just below the surface of the surrounding sea, by the growth of thousands of years. This coral formation on the shores of the Hawaiian group is not peculiar to these islands, but is found to exist in connection with nearly all of those existing in the Pacific Ocean.

The lighthouse, placed on the inner side of the coral reef, is a structure not quite thirty feet in height. After reaching the inside of the harbor of Honolulu, the anchorage is safe and sheltered, with ample room for a hundred large vessels at the same time, the average depth of water being some sixteen fathoms. The wharves are spacious and substantial, built with broad, high coverings to protect laborers from the heat of a tropical sun. Honolulu is the commercial port of the whole group of islands, – the half-way house, as it were, between North America and Asia, – California and the new world of Australasia.

CHAPTER II

Upon landing at Honolulu we find ourselves in a city of some twenty thousand inhabitants, presenting all the modern belongings of a metropolis of the nineteenth century, such as schools, churches, hospitals, charitable institutions, gas, electric lights, and the telephone. Nearly all of the rising generation can read and write, and the entire population are professed Christians. Great is the contrast in every respect between these islands as discovered by Captain Cook in 1778, and their present condition. Originally they exhibited the same barbarous characteristics which were found to exist in other islands of the Pacific Ocean. They had no sense of domestic virtue, and were victims of the most egregious superstitions. "The requisitions of their idolatry," says the historian Ellis, "were severe, and its rites cruel and bloody." Their idolatry has been abandoned since 1819. In the early days the several islands of the group had each a separate king, and wars were frequent between them, until King Kamehameha finally subjected them all to his sway, and formed the government which has lasted to the present time.

Many of the streets of Honolulu afford a grateful shade, the sidewalks being lined by ornamental trees, of which the cocoanut, palm, bread-fruit, candle-nut, and some others, are indigenous, but many have been introduced from abroad and have become domesticated. The tall mango-tree, with rich, glossy leaves, the branches bending under the weight of its delicious fruit, is seen growing everywhere, though it is not a native of these islands. Among other fruit-trees we observe the feathery tamarind, orange, lime, alligator-pear, citron-fig, date, and rose apple. Of all the flowering trees, the most conspicuous and attractive is one which bears a cloud of brilliant scarlet blossoms, each cluster ball-shaped and as large as a Florida orange. Some of the thoroughfares are lined by pretty, low-built cottages, standing a few rods back from the roadway, with broad, inviting verandas, the whole festooned and nearly hidden by tropical and semi-tropical plants in full bloom. If we drive out to the race-course in the environs, we shall be pretty sure to see King Kalakaua, who is very fond of this sort of sport. He is a man of intelligence and of considerable culture, but whose personal habits are of a low and disgraceful character. He has reached his fifty-second year.

It will be observed that the women ride man-fashion here, – that is, astride of their horses, – and there is a good reason for this. Even European and American ladies who become residents also adopt this mode of riding, because side-saddles are not considered to be safe on the steep mountain roads. If one rides in any direction here, mountains must be crossed. The native women deck themselves in an extraordinary manner with flowers on all gala occasions, while the men wear wreaths of the same about their straw hats, often adding braids of laurel leaves across the shoulders and chest. The white blossoms of the jasmine, fragrant as tuberoses, which they much resemble, are generally employed for this decorative purpose. As a people the Hawaiians are very courteous and respectful, rarely failing to greet all passing strangers with a softly articulated "alo-ha," which signifies "my love to you."

A drive up the Nuuanu valley, which opens with a broad entrance near the city, introduces us to some grand scenery. In ascending this beautiful valley one is constantly charmed by the discovery of new tropical trees, luxurious creepers and lovely wild-flowers. The strangers' burial-ground is passed just after crossing the Nuuanu stream, and close at hand is the Royal Mausoleum, – a stone structure in Gothic style, which contains the remains of the Hawaiian kings, as well as those of many of the high chiefs who have died since the conquest. Some shaded bathing-pools are formed by the mountain streams, lying half hidden in the dense foliage. Here we pass the residence of the late Queen Emma, pleasantly located and flower-embowered. This valley is classic ground in the history of these islands, being the spot where the fierce and conquering invader, King Kamehameha I., fought his last decisive battle, the result of which confirmed him as sole monarch of the Hawaiian group. Here the natives of Oahu made their final stand and fought desperately, resisting with clubs and spears the savage hordes led by Kamehameha. But they were defeated at last, and with their king Kaiana, who led them in

person, were all driven over the abrupt and fatal cliff fifteen hundred feet high, situated at the upper end of the valley.

In the environs of the city one passes upon the roadsides large patches measuring an acre or more of submerged land, where is grown the Hawaiian staff of life, – the *taro*, a root which is cultivated in mud and mostly under water, recalling the rice-fields of China and Japan. The vegetable thus produced, when baked and pounded to a flour, forms a nutritious sort of dough called *poi*, which constitutes the principal article of food for the natives, as potatoes do with the Irish or macaroni with the Italians. This poi is eaten both cooked and in a raw state mixed with water.

Though Oahu is quite mountainous, like the rest of the islands which form the Hawaiian group, still none of these reach the elevation of perpetual snow. The six inhabited islands of the group are Kauai, Oahu, Molokai, Lanai, Maui, and Hawaii, the last containing the largest active volcano of which we have any knowledge; namely, that of Kilauea, to visit which persons cross the Atlantic and Pacific oceans, and also the American continent, between the two. Honolulu was chosen for the capital because it forms the best and almost the only harbor worthy of the name to be found among these islands. In the olden times Lahaina, on the island of Maui, was the city of the king, and the recognized capital in the palmy days of the whale fishery. This settlement is now going to ruin, tumbling to pieces by wear and tear of the elements, forming a rude picture of decay. Should the Panama Canal be completed, it would prove to be of great advantage to these islands, as they lie in the direct course which a great share of navigation must follow. The aggregate population of the group is now about sixty thousand, of whom some thirty-eight thousand are natives. History tells us that Captain Cook estimated these islands to contain over three hundred thousand inhabitants when he discovered them. Perhaps this was an exaggeration, though it is a fact that they are capable of sustaining a population of even much greater density than this estimate would indicate.

The ubiquitous Chinamen are found here as gardeners, laborers, house-servants, fruit-dealers, and poi-makers. What an overflow there has been of these Asiatics from the "Flowery Land!" Each one of the race arriving at the Sandwich Islands is now obliged to pay ten dollars as his landing fee, in default of which the vessel which brings him is compelled to take him away. This singular people, who are wonderfully industrious, notwithstanding their many faults, are equally disliked in these islands by the natives, the Americans, and the Europeans; yet the Chinamen steadily increase in numbers, and it is believed here that they are destined eventually to take the place of the aborigines. The aggregate number now to be found in the group is over twelve thousand. It is evident that many branches of small trade are already monopolized by them, as is the case at Penang, Singapore, and other Pacific islands. On Nuuanu Street every shop is occupied by a Chinaman, dealing in such articles as his own countrymen and the natives are likely to purchase. It does certainly appear as though the aboriginal race would in the near future be obliterated, and their place filled by the Anglo-Saxons and the Chinese, the representative people of the East and the West. The taro-patches of the Hawaiians will doubtless ere long become the rice-fields of the Mongolians.

In the year 1887 there was raised upon these islands a very large amount of sugar, over one hundred thousand tons in all. The entire product, except what was consumed for domestic use, was shipped to this country. Three-quarters of the money invested in sugar-raising here is furnished by American capitalists, and American managers carry on the plantations. A reciprocity treaty between the Sandwich Islands and this country (that is, a national agreement upon matters of mutual interest), and their proximity to the shores of America, have brought this people virtually under the wing of our Government, concentrating their foreign trade almost entirely in the United States, while the youth of the islands, of both sexes, are sent hither for educational purposes. There is no other foreign port in the world where the American flag is so often seen, or more respected than in that of Honolulu.

The Hawaiian Islands are not on the direct route to Japan, and we therefore find it better to return to San Francisco and embark from there, than to await the arrival of a chance steamer bound westward. Our course is not in the track of general commerce, and neither ship nor shore is

encountered while crossing this vast expanse of water. Storms and calms alternate; sometimes the ocean is as smooth as an inland lake, and at others in its unrest it tossed our iron hull about as though it were a mere skiff, in place of a ship of three thousand tons' measurement. The roughness of the water is exhibited near the coast and in narrow seas by short, chopping waves; but in the open ocean these are changed to long, heavy swells, covering the expanse of waters with vast parallels separated by deep valleys, the distance from crest to crest being from one hundred and fifty to two hundred feet during a heavy gale. The height of the waves is measured from the trough to the crest, and is of course conjecture only, but in heavy weather it may safely be set down at thirty feet.

Every steamship on the trip westward carries more or less Chinamen, who, having acquired a certain sum of money by industry and self-denial, are glad to return to their native land and live upon its income. Interest is very high in China, and money is scarce. It is curious to watch these second-class passengers. In fine weather they crowd the forward deck, squatting upon their hams in picturesque groups, and playing cards or dominos for small stakes of money. The Chinese are inveterate gamblers, but are satisfied generally to play for very small stakes. When the sea becomes rough and a storm rages, they exhibit great timidity, giving up all attempts at amusement. On such occasions, with sober faces and trembling hands, they prepare pieces of joss-paper (scraps with magic words), bearing Chinese letters, and cast them overboard to propitiate the anger of the special god who controls the sea. The dense, noxious smell which always permeates their quarters, in spite of enforced ventilation and the rules of the ship, is often wafted unpleasantly to our own part of the vessel, telling a significant story of the opium pipe, and a certain uncleanness of person peculiar to Africans and Mongolians.

After a three weeks' voyage we reach Yokohama, the commercial capital of Japan. When Commodore Perry opened this port in 1854 with a fleet of American men-of-war, it was scarcely more than a fishing village, but it has now a population of a hundred and thirty thousand, with well-built streets of dwelling-houses, the thoroughfares broad and clean, and all macadamized. The town extends along the level shore, but is backed by a half-moon of low, wooded hills, known as the Bluff, among which are the dwellings of the foreign residents, built after the European and American style. A deep, broad canal surrounds the city, passing by the large warehouses, and connected with the bay at each end, being crossed by several handsome bridges. If we ascend the road leading to the Bluff we have a most charming and extended view. In the west, seventy miles away, the white, cloud-like cone of Fujiyama, a large volcanic mountain of Japan, can clearly be discerned, while all about us lie the pretty villas of the foreign settlers.

In looking about this commercial capital everything strikes us as curious; every new sight is a revelation, while in all directions tangible representations of the strange pictures we have seen upon fans and lacquered ware are presented to view. One is struck by the partial nudity of men, women, and children, the extremely simple architecture of the dwelling-houses, the peculiar vegetation, the extraordinary salutations between the common people who meet each other upon the streets, the trading bazaars, and the queer toy-like articles which fill them; children flying kites in the shape of hideous yellow monsters. Each subject becomes a fresh study. Men drawing vehicles, like horses between the shafts, and trotting off at a six-mile pony-gait while drawing after them one or two persons, is a singular sight to a stranger. So are the naked natives, by fours, bearing heavy loads swung from their shoulders upon stout bamboo poles, while they shout a measured chant by means of which to keep step. No beggars are seen upon the streets; the people without exception are all neat and cleanly. The houses are special examples of neatness, and very small, being seldom more than twenty feet square, and one story in height. All persons, foreigners or natives, take off their shoes before entering upon the polished floors, not only out of respect to the customs of the country, but because one does not feel like treading upon their floors with nailed heels or soiled soles. The conviction forces itself upon us that such universal neatness and cleanliness must extend even to the moral character of the people. A spirit of gentleness, industry, and thrift are observable everywhere,

imparting an Arcadian atmosphere to these surroundings. In the houses which we enter there are found neither chairs, tables, nor bedsteads; the people sit, eat, and sleep upon the floors, which are as clean as a newly laid tablecloth.

Here and there upon the roadsides moss-grown shrines bearing sacred emblems are observed, before which women, but rarely men, are seen bending. The principal religions of Japan are Shinto and Buddhism, subdivided into many sects. The Shinto is mainly a form of hero worship, successful warriors being canonized as martyrs are in the Roman Catholic Church. Buddhism is another form of idolatry, borrowed originally from the Chinese. The language of the country is composed of the Chinese and Japanese combined. As we travel inland, places are pointed out to us where populous cities once stood, but where no ruins mark the spot. A dead and buried city in Europe or in Asia leaves rude but almost indestructible remains to mark where great communities once built temples and monuments, and lived and thrived, like those historic examples of mutability, Memphis, Pæstum, Cumæ, or Delhi; but not so in Japan. It seems strange indeed that a locality where half a million of people have made their homes within the period of a century, should now present the aspect only of fertile fields of grain. But when it is remembered of what fragile material the natives build their dwellings, – namely, of light, thin wood and paper, – their utter disappearance ceases to surprise us. It is a curious fact that this people, contemporary with Greece and Rome at their zenith, who have only reared cities of wood and temples of lacquer, have outlived the classic nations whose half-ruined monuments are our choicest models. The Greek and Latin races have passed away, but Japan still remains, without a change of dynasty and with an inviolate country.

In journeying inland we are struck with many peculiarities showing how entirely opposite to our own methods are many of theirs. At the post-stations the horses are placed and tied in their stalls with their heads to the passage-way, and their tails where we place their heads. Instead of iron shoes, the Japanese pony is shod with close-braided rice-straw. Carpenters, in using the fore-plane, draw it towards them instead of pushing it from them. It is the same in using a saw, the teeth being set accordingly. So the tailor sews from him, not towards his body, and holds his thread with his toes. The women ride astride, like the Hawaiians.

A trip of fifteen miles from Yokohama will take us to the town of Kamakura, where we find the remarkable idol of Dai-Butsu. This great Buddha image, composed of gold, silver, and copper, forms a bronze figure of nearly sixty feet in height, within which a hundred persons may stand together, the interior being fitted at the base as a small chapel. A vast number of little scraps of paper bearing Japanese characters, flutter from the interior walls of the big idol, fastened there by pious pilgrims, forming petitions to the presiding deity. As we enter, these scraps, agitated by the winds, rustle like an army of white bats. This sacred figure is as remarkable as the Sphinx, which presides so placidly at the feet of the great Pyramids. As a work of art, its only merits consist in the calm dignity of expression and repose upon its colossal features. It is many centuries old, and how such an enormous amount of bronze metal was ever cast, or how set up in such perfect shape when finished, no one can say. It must have been completed in sections and put together in the place where it stands, the joints being so perfectly welded as not to be obvious. It was formerly covered by a temple which has long since mouldered to dust, but it is certainly none the less effective and impressive, as it now sits surrounded by the natural scenery and the thick woods.

Japanese art, of which we have all seen such laughable specimens, is not without some claims to excellence; otherwise we should not have the myriads of beautifully ornamented articles which are produced by them, exhibiting exquisite finish and perfection of detail. Of perspective they have no idea whatever; the play of light and shade they do not understand; there is no distinction of distances in their pictures. Their figures are good, being also delicately executed, and their choice of colors is admirable. Thus in profile work they get on very well, but in grouping, they pile houses on the sea, and mountains on the houses. In caricature they greatly excel, and, indeed, they scarcely attempt to represent the human face and figure in any other light.

Tokio is the political capital of Japan, and is situated about twenty miles from Yokohama, containing over half a million of people. It has broad streets and good roadways, having adopted many American ideas of city customs and government. The Bridge of Japan is situated in this city, crossing the river which intersects the capital, and is here what the golden milestone was in the Forum at Rome – all distances in the Empire are measured from it. There are many elaborate temples within the city, containing rare bronzes of great value. Priests are constantly seen writing upon slips of paper, inside of the temples, at the request of devotees, which the suppliants pin upon the walls of the temple as a form of prayer. The renowned temple of Shiba is one of the greatest attractions to strangers in Tokio. Here lie buried most of the bygone Tycoons (sovereigns of Japan). The grounds are divided into many departments, tombs, shrines, and small temples. In the main temple there is an amount of gold, silver, and bronze ornaments of fabulous value, leading us to wonder where the raw material could have come from. History knows nothing of the importation of the precious metals, but it is true that they are found in more or less abundance all over the country. Copper of the purest quality is a native product, the exportation of which is prohibited, and mining for the precious metals is carried on to but a very limited extent. The temple of Shiba is situated near the centre of the population, occupying many acres of ground, walled in, and shaded by a thick grove of trees, whose branches are black with thousands of undisturbed rooks and pigeons which are considered sacred. The principal characteristic of the architecture is its boldness of relief, overhanging roofs, heavy brackets, and elaborate carvings. The doors are of solid bronze in bas-relief.

In the suburbs is a hill known as Atago-Yama, from whence there is a grand, comprehensive view of the capital. A couple of miles to the southeast lies the broad, glistening Bay of Tokio, and round the other points of the compass the imperial city itself covers a plain of some eight miles square, divided by water-ways, bridges, and clumps of graceful trees looming conspicuously above the low dwellings. The whole is as level as a checker-board; but yet there is relief to the picture in the fine open gardens, the high-peaked gable roofs of the temples, and the broad white roadways.

A visit to Kioto, which is called the City of Temples, shows us some prominent local peculiarities. The Japanese character presents as much unlikeness to the Oriental as to the European type, and is comparable only to itself. A native believes that the little caricature in ivory or wood which has, perhaps, been manufactured under his own eyes, or even by his own hands, is sacred, and he will address his prayers to it with a solemn conviction of its power to respond favorably. His most revered gods are effigies of renowned warriors and successful generals. African superstition is no blinder than is such adoration, though it be performed by an intelligent people. Some of the native animals, such as foxes, badgers, and snakes, are protected with superstitious reverence. Before one of the temples we see a theatrical performance in progress, which seems rather incongruous, but upon inquiry the object of this is found to be a desire to appease the special gods of this individual temple; in fact, to entertain and amuse them so that they will receive the prayers of the people with favor. The exhibition consists of dancing and posturing by professionals of both sexes, accompanied by the noise of whistles, gongs, bells, and fifes.

At Koby we embark for Nagasaki, sailing the whole length of the famous Inland Sea, a most enchanting three days' voyage among lovely islands, terraced and cultivated here and there like vineyards on the Rhine. The course is characterized by narrow and winding passages, losing themselves in creeks and bays after a most curious fashion, while brown hamlets here and there fringe the coast line. Nagasaki is in the extreme south of Japan, a city second only to Yokohama in commercial importance. A sad interest attaches to the small but lofty island of Pappenburg, which stands like a sentinel guarding the entrance to the harbor. It is the Tarpeian Rock of the far East. During the persecution of the Christians in the seventeenth century, the steep cliff which forms the seaward side of the island was an execution point, and from here men and women who declined to abjure their faith were cast headlong on the sea-washed rocks five hundred feet below. The harbor is surrounded by lofty elevations. Tall, dark pines and a verdant undergrowth mark the deep ravines

and sloping hillsides, upon which European dwellings are seen overlooking the bay. If we climb the path among these hills we occasionally pass a Buddhist temple, and come upon many wild-flowers, shaded by oaks and camphor-trees of great size and beautiful foliage, with occasional specimens of the Japanese wax-tree. Still further up, the hills are covered with dark, moss-grown gravestones, bearing curious characters engraven upon them, and marking the sleeping-places of bygone generations. The unbroken quiet of this city of the dead contrasts vividly with the hum of busy life which comes up to us from the town with its population of a hundred thousand souls. As to the products of this locality, they are mostly figured porcelain, embroidered silks, japanned goods, ebony and tortoise-shell finely carved and manufactured into toy ornaments. Every small, low house has a shop in front quite open to the street; but small as these houses are, room is nearly always found in the rear or at the side for a little flower-garden, fifteen or twenty feet square, where dwarf trees flourish amid hillocks of turf and ferns, with here and there a tub of goldfish. Azaleas, laurels, and tiny clumps of bamboos, are the most common plants to be seen in these charming little spots of greenery.

Botanists declare Japan to be one of the richest of all countries in its vegetation. The cultivation of the soil is thoroughly and skilfully systematized, the greatest possible results being obtained from a given area of land. This is partly due to the careful mode of enrichment applied in liquid form. Its flora is spontaneous and magnificent, repaying the smallest attention by a development which is surprising. Next in importance to the production of rice, which is the staple food of the people, come the mulberry and tea plants, one species of the former not only feeding the silkworm, but it also affords the fibre of which Japanese paper is made, as well as forming the basis of their cordage and some descriptions of dress material. In usefulness the bamboo is most remarkable, growing to a height of sixty feet, and entering into the construction of house-frames, screens, many household articles, mats, pipes, and sails. The camphor-tree, which is seen in such abundance, is a grand ornament in the landscape, lofty and broad-spread. The camphor of commerce is extracted from both the stem and the roots of the tree, which, being cut into small pieces, are subjected to a process of decoction.

No sooner have the Japanese been fairly introduced to American and European civilization, than they have promptly taken a stride of four or five centuries at a single leap, from despotism in its most ultra form to constitutional government. When America opened the port of Yokohama to the commerce of the world, it also opened that hermetically sealed land to the introduction of progressive ideas; and though, unfortunately, the elements of civilization which are most readily assimilated are not always the most beneficial, still the result, taken as a whole, has been worthy of the admiration of the world at large.

The natural intelligence of the Japanese has no superior among any race, however much it may have been perverted, or have lain dormant. There is evidence enough of this in the fact that the young men of that country who are sent here for educational purposes, so frequently win academic prizes and honors over our native scholars, notwithstanding the disadvantages under which a foreigner is inevitably placed.

When we speak of the progress of the Japanese as a nation, we must not forget that the national records of the country date from nearly seven hundred years before the birth of Christ, and that a regular succession of Mikados (supreme rulers), in lineal descent from the founders of their dynasty and race, has since that remote date been carefully preserved.

CHAPTER III

From Nagasaki, in following our proposed course, we sail for Hong Kong, through the Yellow and Chinese seas, a distance of eleven hundred miles. This is very sure to be a rough passage, and the marvel is rather that more vessels are not lost here than that so many are. Seamen call it "the graveyard of commerce." As we enter the magnificent harbor of Hong Kong it is found to be surrounded by a range of lofty hills, which shelter it completely from the sweeping winds that so often prevail in this region. It is the most easterly of the possessions of Great Britain, and is kept in a well-fortified condition, the uniforms of the garrison being a striking feature of the busy streets of the city at all hours of the day. The houses in the European section are large and handsome structures, mostly of stone, rising tier upon tier from the main street to a height of some hundreds of feet on the face of the hill immediately back of the town. On and about the lofty Victoria Peak are many charming bungalows, or cottages, with attractive surroundings, which enjoy a noble prospect of the harbor and country. The streets appropriated to the use of the Europeans are spacious and clean, but the Chinese portion of Hong Kong is quite characteristic of the native race, – very crowded and very dirty, seeming to invite all sorts of epidemic diseases, which in fact nearly always prevail more or less severely among the lower classes.

These streets exhibit strange local pictures. The shoemaker plies his trade in the open thoroughfare; cooking is going on at all hours in the gutters beside the roads; itinerant pedlers dispense food made of mysterious materials; the barber shaves his customer upon the sidewalk; the universal fan is carried by the men, and not by the women. The Chinese mariner's compass does not point to the North Pole, but to the South; that is, the index is placed upon the opposite end of the needle. When Chinamen meet each other upon the streets, instead of shaking each other's hands they shake their own. The men wear skirts, and the women wear pantaloons. The dressmakers are not women, but men. In reading a book a Chinaman begins at the end and reads backwards. We uncover the head as a mark of respect; they take off their shoes for the same purpose, but keep their heads covered. We shave the face; they shave the head and eyebrows. At dinner we begin the meal with soup and fish; they reverse the order and begin with the dessert. The old men fly kites while the boys look on; shuttlecock is their favorite game; it is played, however, not with the hands, but with the feet. White constitutes the mourning color, and black is the wedding hue. The women perform the men's work, and the men wash the clothing. We pay our physicians for attending us in illness; they pay their doctors to keep them well, and stop their remuneration when they are ill. In short, this people seem to be our antipodes in customs as well as being so geographically.

A visit to the water-front of the city affords much amusement, especially at the hour when the market boats with vegetables arrive from the country, and from along shore with fish. Here the people swarm like ants more than like human beings; all eager for business, all crowding and talking at the same time, and creating a confusion that would seem to defeat its own object; namely, to buy and to sell. The vegetables are various and good, the variety of fruit limited and poor in flavor, but the fish are abundant and various in size and color. Nine-tenths of the business on the river-front is done by women, and they are very rarely seen without an infant strapped to their backs, while they are carrying heavy burdens in their hands, or are engaged in rowing or sculling their boats. They trade, make change, and clean the fish quite oblivious of the infant at their backs. A transient visitor to China is not competent to speak of the higher class of women, as no access can be had to domestic life. Only those of the common class appear indiscriminately in public, Oriental exclusiveness wrapping itself about the sex here nearly as rigidly as in Egypt. If ladies go abroad at all, it is in curtained palanquins, borne upon men's shoulders, partially visible through a transparent veil of gauze. Anywhere east of Italy woman is either a toy or a slave.

Hong Kong is an island nearly forty miles in circumference, consisting of a cluster of hills rising almost to the dignity of mountains. The gray granite of which the island is mostly composed, furnishes an excellent material for building purposes, and is largely employed for that object, affording a good opportunity for architectural display. A trip of a hundred miles up the Pearl River takes us to Canton, strangest of strange cities. It has a population of a million and a half, and yet there is not a street of over ten feet in width within the walls, horses and wheeled vehicles being unknown. The city extends a distance of five miles along the river, and a hundred thousand people live in boats. At the corners of the streets, niches in the walls of the houses contain idols, before which incense is constantly burning day and night. The most famous temple in the city is that of the Five Hundred Gods, containing that number of gilded statues of Buddhist sages, apostles, and deified warriors. In some of these sacred structures composed of shrines and miniature temples, among other seeming absurdities we see a number of sacred hogs wallowing in their filth. Disgusting as it appears to an intelligent Christian, it has its palliating features. The Parsee worships fire, the Japanese bows before snakes and foxes, the Hindoo deifies cows and monkeys; why, then, should not the Chinese have their swine as objects of veneration? We may destroy the idols, but let us not be too hard upon the idolaters; they do as well as they know. The idol is the measure of the worshipper. The punishment of crime is swift and sure, the number of persons beheaded annually being almost incredible. Friday is the day for clearing the crowded prison at Canton, and it is not uncommon on that occasion to see a dozen criminals beheaded in the prison yard in eight minutes, one sweeping blow of the executioner's sword decapitating each human body as it stands erect and blindfolded.

One is jostled in the narrow ways by staggering coolies with buckets of the vilest contents, and importuned for money by beggars who thrust their deformed limbs in his face. It is but natural to fear contagion of some sort from contact with such creatures, and yet the crowd is so dense that it is impossible to entirely avoid them. Under foot the streets are wet, muddy, and slippery. Why some deadly disease does not break out and sweep away the people is a mystery.

Philanthropic societies are numerous in the cities of China. Indeed, they are hardly excelled by those of America or Europe. They embrace well-organized orphan asylums, institutions for the relief of indigent widows with families, homes for the aged and infirm, public hospitals, and free schools in every district. As is the case with ourselves, some of these are purely governmental charities, while others are supported by liberal endowments left by deceased citizens. There are depots established to dispense medicines among the poor, and others whence clothing is distributed free of cost. It must be remembered that these societies and organizations are not copied from Western models. They have existed here from time immemorial.

No one has ever been able to trace any affinity between the Chinese language and that of any other people, ancient or modern. It is absolutely unique. No other nation except the Japanese has ever borrowed from it, or mingled any of its elements with its own. It must have originated from the untutored efforts of a primitive people. Like the Egyptian tongue, it was at first probably composed of hieroglyphics, expressing ideas by pictured objects, which in the course of time became systematized into letters or signs expressive of sounds and words.

Though we may dislike the Chinese, it is not wise to shut our eyes to facts which have passed into history. They have long been a reading and a cultured people. Five hundred years before the art of printing was known to Europe, books were multiplied by movable types in China. Every province has its separate history in print, and reliable maps of each section of the country are extant. The civil code of laws is annually corrected and published, a certain degree of education is universal, and eight-tenths of the people can read and write. The estimate in which letters are held is shown by the fact that learning forms the very threshold that leads to fame, honor, and official position. The means of internal communication between one part of China and another are scarcely superior to those of Africa. By and by, however, railways will revolutionize this. Gold and silver are found in nearly every province of the Empire, while the central districts contain the largest coal-fields upon the globe.

Nearly one-fourth of the human race is supposed to be comprised within the Chinese Empire. They look to the past, not to the future, and the word "progress" has apparently to them no real significance.

In travelling through portions of the country a depressing sense of monotony is the prevailing feeling one experiences, each section is so precisely like another. There is no local individuality. Their veritable records represent this people as far back as the days of Abraham, and, indeed, they antedate that period. In two important discoveries they long preceded Europe; namely, that of the magnetic compass and the use of gunpowder. The knowledge of these was long in travelling westward through the channels of Oriental commerce, by the way of Asia Minor. There are many antagonistic elements to consider in judging of the Chinese. The common people we meet in the ordinary walks of life are far from prepossessing, and are much the same as those who have emigrated to this country. One looks in vain among the smooth chins, shaved heads, and almond eyes of the crowd for signs of intelligence and manliness. There are no tokens of humor or cheerfulness to be seen, but in their place there is plenty of apparent cunning, slyness, and deceit, if there is any truth in physiognomy. With the Japanese the traveller feels himself constantly sympathizing. He goes among them freely, he enters their houses and drinks tea with them; but not so with the Chinese. In place of affiliation we realize a constant sense of repulsion.

We embark at Hong Kong for Singapore by the way of the China Sea and the Gulf of Siam. The northerly wind favors us, causing the ship to rush through the turbulent waters like a race-horse. The Philippine Islands are passed, and leaving Borneo on our port-bow as we draw near to the Equatorial Line, the ship is steered due west for the mouth of the Malacca Straits. Off the Gulf of Siam we are pretty sure to get a view of a water-spout, and it is to be hoped that it may be a goodly distance from us. Atmospheric and ocean currents meet here, from the China Sea northward, from the Malacca Straits south and west, and from the Pacific Ocean eastward, mingling off the Gulf of Siam, and causing, very naturally, a confusion of the elements, resulting sometimes in producing these wind and water phenomena. A water-spout is a miniature cyclone, an eddy of the wind rotating with such velocity as to suck up a column of water from the sea to the height of one or two hundred feet. This column of water appears to be largest at the top and bottom, and contracted in the middle. If it were to fall foul of a ship and break, it would surely wreck and submerge her. Modern science shows that all storms are cyclonic; that is, they are circular eddies of wind of greater or less diameter. The power of these cyclones is more apparent upon the sea than upon the land, where the obstruction is naturally greater. Yet we know how destructive they sometimes prove in our Western States.

Singapore is the chief port of the Malacca Straits, and is an island lying just off the southern point of Asia, thirty miles long and half as wide, containing a population of about a hundred thousand. Here, upon landing, we are surrounded by tropical luxuriance, the palm and cocoanut trees looming above our heads and shading whole groves of bananas. The most precious spices, the richest fruits, the gaudiest feathered birds are found in their native atmosphere. There are plenty of Chinese at Singapore. They dominate the Strait settlements, monopolizing all branches of small trade, while the natives are lazy and listless, true children of the equatorial regions. Is it because Nature is here so bountiful, so lovely, so prolific, that her children are sluggish, dirty, and heedless? It would seem to require a less propitious climate, a sterile soil, and rude surroundings to awaken human energy and to place man at his best. The common people are seen almost naked, and those who wear clothes at all, affect the brightest colors. The jungle is dense, tigers abound, and men, women, and children are almost daily killed and eaten by them.

It is easy to divine the merchantable products of the island from the nature of the articles which are seen piled up for shipment upon the wharves, consisting of tapioca, cocoanut oil, gambia, tin ore, indigo, tiger-skins, coral, gutta-percha, hides, gums, and camphor.

There is no winter or autumn here, no sere and yellow leaf period, but seemingly a perpetual spring, with a temperature almost unvarying; new leaves always swelling from the bud, flowers always in bloom, the sun rising and setting within five minutes of six o'clock during the entire year. Singapore

enjoys a soft breeze most of the day from across the Bay of Bengal, laden with fragrant sweetness from the spice-fields of Ceylon.

Each place we visit has its peculiar local pictures. Here, small hump-backed oxen are seen driven about at a lively trot in place of horses. Pedlers roam the streets selling drinking-water, with soup, fruit, and a jelly made from sugar and sea-weed, called agar-agar. Native houses are built upon stilts to keep out the snakes and tigers. The better class of people wear scarlet turbans and white cotton skirts; others have parti-colored shawls round their heads, while yellow scarfs confine a cotton wrap about the waist. Diminutive horses drag heavy loads, though themselves scarcely bigger than large dogs. Itinerant cooks, wearing a wooden yoke about their necks, with a cooking apparatus on one end, and a little table to balance it on the other, serve meals of fish and rice upon the streets to laborers and boatmen, for a couple of pennies each. Money has here, as in most Eastern countries, a larger purchasing power than it has with us in the West. The variety of fruit is greater than in China or Japan, and there are one or two species, such as the delicious mangosteen, which are found indigenous in no other region.

The stranger, upon landing at Singapore, is hardly prepared to find such excellent modern institutions as exist here. Among them are an attractive museum, a public library, a Protestant cathedral, a hospital, public schools, and a fine botanical garden. The island belongs to the English government, having been purchased by it so long ago as 1819, from the Sultan of Johore, – wise forethought, showing its importance as a port of call between England and India.

A two days' sail through waters which seem at night like a sea of phosphorescence, every ripple producing flashes of light, will take us to the island of Penang, the most northerly port of the Straits. It resembles Singapore in its people, vegetation, and climate, enjoying one long, unvarying summer. While the birds and butterflies are in perfect harmony with the loveliness of nature, while the flowers are glorious in beauty and in fragrance, man alone seems out of place in this region. Indolent, dirty, unclad, he does nothing to improve such wealth of possibilities as nature spreads broadcast only in equatorial islands. He does little for himself, nothing for others, while the sensuous life he leads poisons his nature, so that virtue and vice have no relative meaning for him. We speak now of the masses, the common people. Noble exceptions always exist. In size Penang is a little smaller than Singapore. Its wooded hills of vivid greenness rise above the town and surrounding sea in graceful undulations, growing more and more lofty as they recede inland, until they culminate in three mountain peaks. Penang is separated from the mainland by a narrow belt of sea not more than three miles wide, giving it a position of great commercial importance.

The areca-palm, known as the Penang-tree, is the source of the betel-nut, which is chewed by the natives as a stimulant; and as it abounds on the island, it has given it the name it bears. The town covers about a square mile, through which runs one broad, main street, intersected by lesser thoroughfares at right angles. A drive about the place gives us an idea that it is a thrifty town, but not nearly so populous as Singapore. It is also observable that the Chinese element predominates here. The main street is lined by shops kept by them. The front of the dwellings being open, gives the passer-by a full view of all that may be going on inside the household. Shrines are nearly always seen in some nook or corner, before which incense is burning, this shrine-room evidently being also the sleeping, eating, and living room. The islands of Penang and Singapore are free from malarial fevers, and probably no places on earth are better adapted to the wants of primitive man, for they produce spontaneously sufficient nutritious food to support life independent of personal exertion. The home of the Malay is not so clean as that of the ant or the birds; even the burrowing animals are neater. The native women are graceful and almost pretty, slight in figure, and passionately fond of ornaments, covering their arms and ankles with metallic rings, and thrusting silver and brass rings through their ears, noses, and lips.

The cocoanut-tree is always in bearing on the islands of the Straits, and requires no cultivation. Of the many liberal gifts bestowed upon the tropics, this tree is perhaps the most valuable. The Asiatic

poet celebrates in verse the hundred uses to which the trunk, the branches, the leaves, the fruit, and the sap are applied. In Penang a certain number of these trees are not permitted to bear fruit. The embryo bud from which the blossoms and nuts would spring is tied up to prevent its expansion; a small incision then being made at the end, there oozes in gentle drops a pleasant liquor called toddy, which is the palm wine of the poet. This, when it is first drawn, is cooling and wholesome, but when it is fermented it produces a strong, intoxicating spirit. The banana is equally prolific and abundant, and forms a very large portion of the food of the common people. In the immediate neighborhood of the town are some plantations conducted by Europeans who live in neat cottages, with enclosures of cultivated flowers, and orchards of fruit-trees. Still further inland are large gardens of bread-fruit, nutmegs, cinnamon, pepper, and other spices. There are also large fields of sugar-cane, tobacco, and coffee. The delicate little sensitive plant here grows wild, and is equally tremulous and subsiding at the touch of human hands, as it is with us. Lilies are seen in wonderful variety, the stems covered with butterflies nearly as large as humming-birds.

Penang originally belonged to the Malay kingdom, but about the year 1786 it was given to an English sea-captain as a marriage-portion with the King of Keddah's daughter, and by him, in course of time, it was transferred to the East India Company. When Captain Francis Light received it with his dusky bride, it was the wild, uncultivated home of a few hundred fishermen. To-day it has a population of nearly a hundred thousand.

CHAPTER IV

Our course now lies across the Indian Ocean, westward. The rains which we encounter are like floods, but the air is soft and balmy, and the deluges are of brief continuance. The nights are serene and bright, so that it is delightful to lie awake upon the deck of the steamer and watch the stars now and then screened by the fleecy clouds. In the daytime it is equally interesting to observe the ocean. Large sea-turtles come to the surface to sun themselves, stretching their awkward necks to get a sight of our hull; dolphins and flying-fish are too abundant to be a curiosity; big water-snakes raise their slimy heads a couple of feet above the sea; the tiny nautilus floats in myriads upon the undulating waves, and at times the ship is surrounded by a shoal of the indolent jelly-fish. Mirage plays us strange tricks in the way of optical delusion in these regions. We seem to be approaching land which we never reach, but which at the moment when we should fairly make it, fades into thin air.

Though the ocean covers more than three-quarters of the globe, but few of us realize that it represents more of life than does the land. We are indebted to it for every drop of water distributed over our hills, plains, and valleys; for from the ocean it has arisen by evaporation to return again through myriads of channels. It is really a misnomer to speak of the sea as a desert waste; it is teeming with inexhaustible animal and vegetable life. A German scientist has with unwearied industry secured and classified over nine hundred species of fishes from this division of the Indian Ocean over which our course takes us. Many of these are characterized by colors as dazzling and various as those of gaudy-plumed tropical birds and flowers.

Our next objective point is Colombo, the capital of Ceylon, situated about thirteen hundred miles from the mouth of the Malacca Straits. Here we find several large steamships in the harbor, stopping briefly on their way to or from China, India, or Australia; and no sooner do we come to anchor than we are surrounded by the canoes of the natives. They are of very peculiar construction, being designed to enable the occupants to venture out, however rough the water may chance to be, and the surf is always raging in these open roadsteads. The canoes consist of the trunk of a tree hollowed out, some twenty feet in length, having long planks fastened lengthwise so as to form the sides or gunwales of the boat, which is a couple of feet deep and about as wide. An outrigger, consisting of a log of wood about one-third as long as the canoe, is fastened alongside at a distance of six or eight feet, by means of two arched poles of well-seasoned bamboo. This outrigger prevents any possibility of upsetting the boat, but without it so narrow a craft could not remain upright, even in a calm sea. The natives face any weather in these little vessels.

It will be remembered that to this island England banished Arabi Pacha after the sanguinary battlefield of Tel-el-Keber. It is one of the most interesting spots in the East, having been in its prime centuries before the birth of Christ. It was perhaps the Ophir of the Hebrews, and it still abounds in precious stones and mineral wealth. Here we observe the native women strangely decked with cheap jewelry thrust through the tops and lobes of their ears, in their lips and nostrils, while about their necks hang ornaments consisting of bright sea-shells, mingled with sharks' teeth. If we go into the jungle, we find plenty of ebony, satin-wood, bamboo, fragrant balsam, and india-rubber trees; we see the shady pools covered with the lotus of fable and poetry, resembling huge pond-lilies; we behold brilliant flowers growing in tall trees, and others, very sweet and lowly, blooming beneath our feet. Vivid colors flash before our eyes, caused by the blue, yellow, and scarlet plumage of the feathered tribe. Parrots and paroquets are seen in hundreds. Storks, ibises, and herons fly lazily over the lagoons, and the gorgeous peacock is seen in his wild condition. The elephant is also a native here, and occasionally hunts are organized upon a grand scale and at great expense by English sportsmen who come here for the purpose, and who pay a heavy fee for a license.

Ceylon lies just off the southern point of India; and though it is a British colony, its government is quite distinct from that of the mainland. It forms a station for a large number of troops, and is about three times the size of Massachusetts.

Many of the native women are employed by the large number of English families resident here, especially by officers' wives, as nurses. These last seem to form a class by themselves, and they dress in the most peculiar manner, as we see the children's nurses dressed in Rome, Paris, and Madrid. The Singhalese nurses wear a single white linen garment covering the body to the knees, very low in the neck, with a blue cut-away velvet jacket covered with silver braid and buttons and open in front, a scarlet silk sash gathering the under-garment at the waist. The legs and feet are bare, the ankles covered with bangles, or ornamental rings, and the ears heavily weighed down and deformed with rings of silver and gold.

The vegetation of Ceylon is what might be expected of an island within so few miles of the equator; that is, beautiful and prolific in the extreme. The cinnamon fields are so thrifty as to form a wilderness of green, though the bushes grow but four or five feet in height. The cinnamon bush, which is a native here, is a species of laurel, and bears a white, scentless flower, scarcely as large as a pea. The spice of commerce is produced from the inner bark of the shrub, the branches of which are cut and peeled twice annually. The plantations resemble a thick, tangled undergrowth of wood, without any regularity, and are not cultivated after being properly started. Ceylon was at one time a great producer of coffee, and still exports the berry, but a disease which attacked the leaves of the shrub has nearly discouraged the planters. Among the wild animals are elephants, deer, monkeys, bears, and panthers – fine specimens of which are preserved in the excellent museum at Colombo. Pearl oysters are found on the coast, and some magnificent pearls are sent to Paris and London.

The bread-fruit tree is especially interesting, with its feathery leaves, and its melon-shaped fruit, weighing from three to four pounds. This, the natives prepare in many ways for eating, and as the tree bears fruit continually for nine months of the year, it forms a most important food-supply. Two or three trees will afford nourishment for a hearty man, and half a dozen well cared for will sustain a small family, a portion of the fruit being dried and kept for the non-producing months. Banana groves, and orchards bending under the weight of the rich, nutritious fruit, tall cocoanut-trees with half a ton of ripening nuts in each tufted top, ant-hills nearly as high as native houses, rippling cascades, small rivers winding through the green valleys, and flowers of every hue and shape, together with birds such as one sees preserved in northern museums, – all these crowd upon our vision as we wander about inland.

Ceylon is rich in prehistoric monuments, showing that there once existed here a great and powerful empire, and leading us to wonder what could have swept a population of millions from the face of the globe and have left no clearer record of their past. The carved pillars, skilfully wrought, now scattered through the forest, and often overgrown by mammoth trees, attest both material greatness and far-reaching antiquity. It would seem as though nature had tried to cover up the wrinkles of age with blooming and thrifty vegetation.

We embark at Colombo for Adelaide, the capital of South Australia, steering a course south by east through the Indian Ocean for a distance of about thirty-five hundred miles. On this voyage we find the nights so bright and charming that hours together are passed upon the open deck studying the stars. Less than two thousand can be counted from a ship's deck by the naked eye, but with an opera-glass or telescope the number can be greatly increased. Among the most interesting constellations of the region through which we are now passing, is the Southern Cross. For those not familiar with its location, a good way to find the Cross is to remember that there are two prominent stars in the group known as Centaurus that point directly towards it. That farthest from the Cross is regarded as one of the fixed stars nearest to the earth, but its distance from us is twenty thousand times that of the sun. Stellar distances can be realized only by familiar comparison. For instance: were it possible for a person to journey to the sun in a single day, basing the calculation upon a corresponding degree of

speed, it would require fifty-five years to reach this fixed star! Probably not one-half of those who have sailed beneath its tranquil beauty are aware that near the upper middle of the cross there is a brilliant cluster of stars which, though not visible to the naked eye, are brought into view with the telescope. In these far southern waters we also see what are called the Magellanic Clouds, which lie between Canopus and the South Pole. These light clouds, or what seem to be such, seen in a clear sky, are, like the "Milky Way," visible nebulae, or star-clusters, at such vast distance from the earth as to have by combination this effect upon our vision.

At sea the stars assume perhaps a greater importance than on land, because from them, together with the sun, is obtained latitude and longitude, and thus by their aid the mariner determines his bearings upon the ocean. Forty or fifty centuries ago the Chaldean shepherds were accustomed to gaze upon these shining orbs in worshipful admiration, but with no idea of their vast system. They were to them "the words of God, the scriptures of the skies." It has been left to our period to formulate the methods of their constant and endless procession. All of the principal stars are now well known, and their limits clearly defined upon charts, so that we can easily acquire a knowledge of them. The inhabitants of North America have the constellation of Ursa Major, or the Great Bear, and the North Star always with them; they never wholly disappear below the horizon. When the mariner sailing north of the equator has determined the position of the "Great Bear," two of whose stars, known as "the pointers," indicate the North Star, he can designate all points of the compass unerringly. But in the far South Sea they are not visible; other constellations, however, whose relative positions are as fixed in the Southern Hemisphere, become equally sure guides to the watchful navigator.

Having landed in Australia, before proceeding to visit the several cities of this great island-continent which possesses an area of nearly three millions of square miles, let us review some general facts and characteristics of the country. So far as we can learn, it was a land unknown to the ancients, though it is more than probable that the Chinese knew of the existence of Northern Australia at a very early period; but until about a century ago, it presented only a picture of primeval desolation. The hard work of the pioneer has been accomplished, and civilization has rapidly changed the aspect of a large portion of the great south land. To-day this continent is bordered by thrifty seaports connected by railroads, coasting-steamers, turnpikes, and electric telegraphs. It is occupied by an intelligent European population numbering between three and four millions, possessing such elements of political and social prosperity as place them in an honorable position in the line of progressive nations. So favorable is the climate that nearly the whole country might be turned into a botanical garden. Indeed, Australia would seem to be better entitled to the name of Eldorado (a mythical country abounding in gold), so talked of in the sixteenth century, than was the imaginary land of untold wealth so confidently believed by the adventurous Spaniards, to exist somewhere between the Orinoco and the Amazon.

This new home of the British race in the South Pacific, surrounded by accessible seas and inviting harbors, inspires us with vivid interest. We say "new," and yet, geologically speaking, it is one of the oldest portions of the earth's surface. While a great part of Europe has been submerged and elevated, crumpled up as it were into mountain chains, Australia seems to have been undisturbed. It is remarkable that in a division of the globe of such colossal proportions there was found no larger quadruped than the kangaroo, and that man was the only animal that destroyed his kind. He, alas! was more ferocious than the lynx, the leopard, or the hyena; for these animals do not prey upon each other, while the aborigines of Australia devoured one another.

What America was to Spain in the proud days of that nation's glory Australia has been to England, and that too, without the crime of wholesale murder, and the spilling of rivers of blood, as was the case in the days of Cortez and Pizarro. The wealth poured into the lap of England by these far-away colonies belittles all the riches which the Spaniards realized by the conquests of Mexico and Peru. Here is an empire won without war, a new world called into existence, as it were, by moral forces, an Eldorado captured without the sword. Here, Nature has spread her generous favors over

a land only one-fifth smaller than the whole continent of Europe, granting every needed resource wherewith to form a great, independent, and prosperous nation; where labor is already more liberally rewarded, and life more easily sustained, than in any other civilized country except America. It is difficult to believe while observing the present population, wealth, power, and prosperity of the country at large, characterized by such grand and conspicuous elements of empire, that it has been settled for so brief a period, and that its pioneers were from English prisons. The authentic record of life in the colonies of Australia and Tasmania during the first few years of their existence, is mainly the account of the control of lawless men by the strong and cruel arm of military despotism.

Up to the present writing Australia has realized from her soil over three hundred and thirty millions of pounds sterling, or \$1,650,000,000. Her territory gives grazing at the present time to over seventy-five million sheep, which is probably double the number in the United States. When it is remembered that the population of this country is sixty millions, and that Australia has not quite four millions, the force of this comparison becomes obvious. The aggregate amount of wool exported to the mother country is twenty-eight times as much as England has received in the same period from the continent of Europe. The combined exports and imports of the United Kingdom of Great Britain and Ireland are a little over one hundred dollars per annum for each one of the population. In Australia the aggregate is a trifle over two hundred dollars per head. The four principal capitals of Australia contain over eight hundred thousand inhabitants. The railroads of the country have already cost over two hundred million dollars, and are being extended annually. New South Wales has in proportion to its population a greater length of railways than any other country in the world, while there are some thirty thousand miles of telegraph lines within the length and breadth of the land.

The country is divided into five provincial governments: New South Wales, Victoria, Queensland, South Australia, and West Australia. The island of Tasmania forms another province, and is separated from Victoria by Bass's Strait, the two being within half a day's sail of each other. Sydney is the capital of New South Wales; Melbourne, of Victoria; Adelaide, of South Australia; Brisbane, of Queensland; Perth, of West Australia; and Hobart, of Tasmania. It may be remarked incidentally that South Australia would more properly be designated by some other title, as it is not South Australia at all. Victoria lies south of it, and so does a portion of West Australia. The government of these several divisions is modelled upon that of New South Wales, which is in fact the parent colony of them all.

New South Wales is governed under a constitution, having two houses of Parliament. The first, a legislative council, is composed of a limited number of members nominated by the Crown, and who hold office for life; the second, or legislative assembly, is composed of members elected by the people and chosen by ballot. All acts, before becoming law, must receive the approval of the Queen of England, though this is nothing more than a mere form. There is a resident governor in each colony, also appointed by the Queen.

As compared with our own land, we find this to be one of strange contradictions. Here, the eagles are white and the swans are black; the emu, a bird almost as large as an ostrich, cannot fly, but runs like a horse. The principal quadruped, the kangaroo, is elsewhere unknown; and though he has four legs, he runs upon two. When the days are longest with us in America, they are shortest here. To reach the tropics, Australians go due-north, while we go due-south. With us the seed, or stone, of the cherry forms the centre of the fruit; in Australia, the stone grows on the outside. The foliage of the trees in America spreads out horizontally; in this south-land the leaves hang vertically. When it is day with us it is night with them. There, Christmas comes in mid-summer; with us in mid-winter. Bituminous and anthracite coal are with us only one color, – black; but they have white bituminous coal, – white as chalk. The majority of trees with us shed their leaves in the fall of the year; with them they are evergreen, shedding their bark and not their leaves.

Adelaide is situated about seven miles from the sea, and is surrounded by an amphitheatre of hills rearing their abrupt forms not far away from the town. The capital is so perfectly level that to be

seen to advantage it must be looked upon from some favorable elevation. The colony should be known as Central Australia, on account of its geographical position. It is destined in the near future to merit the name of the granary of the country, being already largely and successfully devoted to agriculture. This pursuit is followed in no circumscribed manner, but in a large and liberal style, like that of our best Western farmers in the United States. Immense tracts of land are also devoted to stock-raising for the purpose of furnishing beef for shipment to England in fresh condition. This province contains nearly a million square miles, and is therefore ten times larger than Victoria, and fifteen times larger than England. It extends northward from the temperate zone, so that nearly one-half of its area lies within the tropics, while it has a coast-line of five hundred miles along the great Southern Ocean. A vast portion of its interior is uninhabited, and indeed unexplored. The total population of the whole colony is about four hundred thousand. Wheat, wool, wine, copper, and meat are at present the chief exports. Over four million acres of land are under the plough. Though gold is found here, it is not so abundant as in other sections of the country. Good wages equalling those realized by the average miners are earned by a dozen easier and more legitimate occupations than that of gold-digging. "Let us cherish no delusions," said a San Francisco preacher on a certain occasion; "no society has ever been able to organize itself in a satisfactory manner on gold-bearing soil. Even Nature herself is deceitful; she corrupts, seduces, and betrays man; she laughs at his labor, she turns his toil into gambling, and his word into a lie!" The preacher's deductions have proved true as regards bodies of miners in California, South Africa, New Zealand, and Australia. And yet the finding of gold mines has stimulated labor, immigration, and manly activity in many directions, and has thus been the agent of undoubted good in other fields than its own.

Adelaide, with a population of a hundred and fifty thousand, has a noble university, quite equal in standing to that of any city in the country. When we remember how youthful she is, it becomes a matter of surprise that such a condition has been achieved in all the appointments which go to make up a great city in modern times. The same remark applies to all of the Australian capitals, none of which are deficient in hospitals, libraries, schools, asylums, art galleries, and charitable institutions generally. Few European cities of twice the size of these in Australia can boast a more complete organization in all that goes to promote true civilization.

The city proper is separated from its suburbs by a belt of park-lands, and the approaches are lined with thrifty ornamental trees. Great liberality and good judgment presided over the laying out of Adelaide. All the streets are broad and regular, running north and south, east and west. There are no mysterious labyrinths, dark lanes, or blind alleys in the city; the avenues are all uniform in width. It is believed that the interior of the continent, which is largely embraced within this province, was at a comparatively recent period covered by a great inland sea. Here are still found mammoth bones of animals, now extinct, which have become an object of careful study to scientists. Africa's interior is scarcely less explored than is Central Australia. There are thousands of square miles upon which the foot of a white man has never trod. Tartary has its steppes, America its prairies, Egypt its deserts, and Australia its "scrub." The plains, so called, are covered by a low-growing bush, compact and almost impenetrable in places, composed of a dwarf eucalyptus. The appearance of a large reach of this "scrub" is desolate indeed, the underlying soil being a sort of yellow sand which one would surely think could produce nothing else; yet, wherever this land has been cleared and properly irrigated it has proved to be remarkably fertile.

All of these colonial cities have botanical gardens, in the cultivation and arrangement of which much skill and scientific knowledge is displayed. In that of Adelaide we see the Australian bottle-tree, which is a native of this country only. It receives its name from its resemblance in shape to a junk-bottle. This tree has the property of storing water in its hollow trunk, – a well-known fact, which has often proved a providential supply for thirsty travellers in a country so liable to severe drought. Here, also, we see the correa, with its stiff stem and prickly leaves, bearing a curious string of delicate, pendulous flowers, red, orange, and white, not unlike the fuchsia in form. The South Sea myrtle is

especially attractive, appearing when in flower with round clustering bunches of bloom, spangled with white stars. The styphelia, a heath-like plant, surprises us with its green flowers. We are shown a specimen of the sandrach-tree, brought from Africa, which is almost imperishable, and from which the Mohammedans invariably make the ceilings of their mosques. The Indian cotton-tree looms up beside the South American aloe – this last, with its thick, bayonet-like leaves, is ornamented in wavy lines like the surface of a Toledo blade. The grouping of these exotics, natives of regions so far apart on the earth's surface, yet quite domesticated here, forms an incongruous though pleasing picture.

West Australia, of which Perth is the capital, is eight hundred miles in width and thirteen hundred long from north to south, actually covering about one-third of the continent. It embraces all that portion lying to the westward of the one hundred and twenty-ninth meridian of east longitude, and has an area of about a million square miles. It has few towns and is very sparsely settled, Perth having scarcely eleven thousand inhabitants, and the whole province a population of not over forty-two thousand. Pearl oysters abound upon its coast and form the principal export, being most freely gathered near Torres's Strait, which separates Australia from New Guinea. The latter is the largest island in the world, being three hundred and sixty miles in width by thirteen hundred in length. Its natives are considered the most barbarous of any savages of the nineteenth century.

From Adelaide to Melbourne is about six hundred miles, a distance accomplished by railway. The first sight of Melbourne will surprise the stranger, though he may be fairly well-informed about this capital of Victoria. No one anticipates beholding so grand a capital in this far-away region of the Pacific. Where there was only a swamp and uncleared woods a few years ago, there has risen a city containing to-day a population of four hundred and twenty thousand, embracing the immediate suburbs. This capital is unsurpassed by any of the British colonies in the elegancies and luxuries of modern civilization, such as broad avenues, palatial dwellings, churches, colossal warehouses, banks, theatres, public buildings, and pleasure grounds. It is pleasant to record the fact that one-fifth of the revenue raised by taxation is expended for educational purposes. Of few cities in the new or the old world can this be truthfully said. Universities, libraries, public art-galleries, and museums do not lack for the liberal and fostering care of the government. No city, if we except Chicago and San Francisco, ever attained to such size and importance in so short a period as has Melbourne.

The river Yarra-Yarra runs through the town, and is navigable for large vessels to the main wharves, where it is crossed by a broad and substantial bridge. Above the bridge the river is handsomely ornamented with trees upon its borders; here the great boat-races take place, one of the most popular of all local athletic amusements, and Melbourne is famous for out-door sports of every form, especially ball-playing.

The activity of the streets is remarkable. English cabs rattle about or stand in long rows awaiting patrons; four-wheeled vehicles of an awkward style, also for hire, abound; messenger-boys with yellow leather pouches strapped over their shoulders hurry hither and thither; high-hung omnibuses with three horses abreast, like those of Paris and Naples, dash rapidly along, well filled with passengers; men gallop through the crowd on horseback, carrying big baskets of provisions on their arms; dog-carts, driven by smart young fellows with a servant behind them in gaudy livery, cut in and out among the vehicles; powerful draught-horses stamp along the way, drawing heavily-laden drays; milk-carts with big letters on their canvas sides make themselves conspicuous, and so do the bakers' carts; while light and neat American wagonettes glide rapidly along among less attractive vehicles. Now and then a Chinaman passes, with his peculiar shambling gait, with a pole across his shoulders balancing his baskets of "truck"; women with oranges and bananas for a penny apiece meet one at every corner, and still the sidewalks are so broad, and the streets so wide, that no one seems to be in the least incommoded. The fruit stores present a remarkable array of tempting fruits, among which are the mandarin and seedless oranges, apricots, green figs, grapes, passion-fruit, pineapples, bananas, and many others, all in fine condition. With the exception of the cities of California, nowhere else can fruit of such choice varieties and so cheap be found as at Melbourne.

Victoria is one of the youngest of the colonies, and was, until the discovery of gold fields within her borders, – that is, in 1851, – a portion of New South Wales; but to-day it is the metropolis of Australia. It has not the many natural beauties of Sydney, but it has numerous compensating advantages, and is the real centre of colonial enterprise upon the continent. The admirable system of street-cars in Melbourne is worthy of all praise, use being made of the underground cable and stationary engine as a motor, a mode which is cheap, cleanly, and popular. Collins Street is the fashionable boulevard of the city, though Burke Street nearly rivals it in gay promenaders and elegant shops. But in broad contrast to these bright and cheerful centres, there are in the northeastern section of the town dirty alleys and by-ways that one would think must prove hot-beds of disease and pestilence, especially as Melbourne suffers from want of a good and thorough system of domestic drainage.

The public library of the city is a large and impressive building, standing by itself, a hundred feet back from the street, on rising ground, and would be creditable to any European or American city. It already contains about a hundred and thirty thousand volumes, and is being constantly added to by public and private bequests. The interior arrangements of the library are excellent, affording ample room for books and all needed accommodation for the public. In these respects it is superior to both the Boston and Astor libraries. Under the same roof is a museum containing an extensive collection, especially of geological specimens, mostly of native product.

Melbourne has its Chinese quarter, like Sydney and San Francisco; it is situated in Little Burke Street, just back of the Theatre Royal, and forms a veritable Chinatown, with its idol temples, opium dens, lottery cellars, cafés, low hovels, and kindred establishments. Here, one requires an experienced guide to enable him to make his way safely and understandingly. The peculiar notices posted upon the buildings in Chinese characters are a puzzle to the uninitiated. The signs over the shops are especially original and peculiar; they do not denote the name of the owner, or particularize the business which is carried on within, but are assumed titles of a flowery character, designed to attract the fancy of the customers. Thus: Kong, Meng & Co. means "Bright Light Firm"; Sun Kum Lee & Co. is in English "New Golden Firm"; Kwong Hop signifies "New Agreement Company"; Hi Cheong, "Peace and Prosperity Firm"; Kwong Tu Tye, "Flourishing and Peaceful Company"; and so on.

It is, as a rule, the worst type of the Chinese who leave their native land to make a new home elsewhere, and it is not to be expected that they will be much improved by intercourse with the Australian "larrikins," who are composed of the lowest and most criminal orders. This refuse of humanity is largely made up of the rabble of London and Liverpool, many of whom have had their passages paid by relatives and interested persons at home solely to get rid of them, while others have worked their passage hither to avoid merited punishment for crimes committed in England.

CHAPTER V

The province of Victoria is the special gold-field of Australia, and has produced two-thirds of all the precious metal which statistics credit to the country at large. One of the localities which has proved to be the most prolific in gold is Ballarat, now a charming and populous city, next to Melbourne in importance. It lies nearly a hundred miles north of the capital, at an elevation of fifteen hundred feet above sea-level, and is accessible by railway. This is thought to be the centre of the richest gold-producing district in the world. Beechworth, one hundred and seventy miles northeast of Melbourne, at an elevation higher than that of Ballarat, is nearly as populous, and as prolific in the precious metal. The diggings of Maryborough district, situated a hundred and fifty miles northwest of Melbourne, are famous, and give occupation to some eight thousand miners. Castlemaine, seventy-five miles north of the capital, has proved very profitable in its yield of gold. Nearly forty square miles of gold-bearing lands are being worked by Europeans and Chinese in the district of Ararat, a hundred and fifty miles north of Melbourne. From these several sources of mineral wealth there flows constantly towards the capital a stream of riches, making it probably the greatest gold-producing centre on the globe. There are about fifty thousand people, in all, engaged in gold-mining in the several parts of Victoria, at least ten thousand of whom are Chinese. Still, reliable statistics show that in the aggregate, the corn and wool of this province are alone of more monetary value than is the result from all the gold produced by her mines.

The kangaroos are found in various parts of Victoria, in their wild state. They are usually discovered in the thick woods, sitting upright in circles of a dozen or more, as grave as though engaged in holding a formal council. On such occasions their short forepaws hang limp before them, while their restless heads and delicate ears turn hither and thither in watchful care against surprise. Notwithstanding their huge paunches, big hindquarters, and immense tails, there is something graceful and attractive about these creatures. When they are young they are as playful as kittens. Even when running away from pursuit, – a process performed by enormous leaps, often covering a rod at a flying jump, – there is a certain airy grace and harmony of movement attending their motions. Dogs and horses have more power of endurance than the kangaroo, and are thus enabled to run it down; but neither horse nor dog can achieve the same degree of speed for moderate distances. If the chase occurs in a wood where there are numerous obstacles, like heavy fallen logs, the kangaroo is safe, since he can jump all such impediments without diminishing his speed.

To get a view of the big gum-trees, one visits the Fernshaw Mountain district. We are told of one fallen monarch, which was measured by a government surveyor, having a length upon the ground of four hundred and seventy-four feet. The Pyramid of Cheops is hardly as high as was this tree when it stood erect. The average height of these marvels is from three hundred to four hundred feet. They are situated in a valley protected from winds, and are favorably located to promote their growth, as well as to protect them from sudden gales or tornadoes such as have prostrated large trees in our Yosemite.

The subject of large trees is one of more than ordinary interest; the largest one known in the world is situated in Mascoli, near the base of Mount Etna, on the island of Sicily. It measures one hundred and ninety feet in circumference. It is a chestnut-tree, and still bears fruit in abundance. The oldest tree is believed to be a famous cypress still growing in Oaxaca, Mexico. Humboldt saw it in 1855, when he recorded the measurement as being one hundred and twenty-six feet in circumference and three hundred and eighty-two feet between the out-spread branches. In Nevada, United States, stands what is well known as the "Dead Giant Redwood Tree," which measures one hundred and nineteen feet in circumference, and which is believed to have been growing in the days of Julius Cæsar. Near this mammoth are a dozen other trees, varying in size from seventy-five to one hundred feet in circumference. The "Grizzly Giant," monarch of the Mariposa Grove in California, measures ninety-two feet in circumference. The largest tree in the United States stands near Bear Creek,

California, measuring one hundred and forty feet in circumference. It is only by comparison with familiar objects that we can realize these extraordinary dimensions.

We shall be pretty sure to see in the woods of Victoria a most curious example of bird-life and bird-instinct, in the instance of what is known as the bower-bird. This peculiar little creature builds a cunning play-house, a tiny shady bower which it ornaments with vines and highly colored feathers of other birds, besides the yellow blossoms of the wattle-tree and many light-green ferns. In this ingeniously contrived sylvan retreat the feathered architect runs about and holds a sort of carnival, to which others of his tribe gather. Here the little party chirp vigorously, and strut about in a most ludicrous manner.

The glamour of gold-seeking has too much weight in inducing emigration to this region of the South Seas. An industrious and worthy person is sure to make a good living here, and indeed so one might say he would do almost anywhere. He may make a fortune in Australia, but he cannot *pick* it up, – he must *work* it up. The gold nuggets which are occasionally found, never amount to much as regards the benefit of the finder. It is upon the whole a fortunate day for the respectable immigrant who has any degree of ability, when he decides to turn his back upon gold-digging, and adopt some more legitimate business. The great elements of success are the same in Australia as in California, Africa, or Massachusetts; namely, steadiness of purpose, application, and temperance.

Sydney is connected with Melbourne by a railway some six hundred miles in length; but the pleasantest way to reach it, either from the north or the south, is by water. We enter the harbor through an opening which is called Sydney Heads, formed by two frowning cliffs on either side of the entrance. Having left the Heads behind, we pass Botany Bay, seven miles below the city, once a penal colony for English convicts, but now a lovely, rural retreat, which retains nothing of its ill-repute but its name. The aspect of the famous harbor, with its lake-like expanse, its many green islands with handsome residences scattered over them, its graceful promontories, and the abundance of semi-tropical vegetation, all together form the loveliest picture imaginable. It may well be the pride of the citizens of Sydney.

Upon landing, we find great irregularity prevailing in the street architecture. George Street is the main thoroughfare, and is two miles in length, containing many stores furnished as well as the average of those in Vienna or Paris. There are fine business edifices, having massive French plate glass windows which are admirably appointed. The peculiar conformation of the town makes the side streets precipitous, so that a large portion of the city is composed of hilly avenues. Like the old streets of Boston, those of Sydney were the growth of chance, and were not originally laid out, like those of Melbourne and Adelaide. Our Washington Street, Boston, was once a cow-path, while the present site of George Street in Sydney was a meandering bullock-track.

This capital, like the two we have already visited in Australia, has a superb botanical garden covering some forty acres of land. The grounds extend on a gradual incline to the shores of the beautiful bay, forming a semicircle round what is known as Farm Cove, a picturesque indentation of the harbor, close to Government House. One special charm of these delightful grounds is the fact that they are accessible by a walk of about five minutes from the centre of the city. It is not necessary to make an excursion in order to reach them, as is the case with many similar resorts, such as Sydenham in London, Central Park, New York, or the Bois de Boulogne, Paris. Here semi-arctic and semi-tropical plants and trees are found growing together, and all parts of the world seem to be liberally represented. The hardy Scotch fir and delicate palm crowd each other; the india-rubber-tree and the laurel are close friends; the California pine and the Florida orange thrive side by side; so with the silvery fern-tree of New Zealand, and the guava of Cuba. China, Japan, India, Africa, Egypt, and South America have all furnished representative trees and shrubs for the beautifying of these comprehensive gardens.

There is here a fine specimen of the Australian musk-tree, which attains a height of nearly twenty feet, and exhales from leaf and bark a peculiar sweet odor, though not at all like what its name

indicates. Here we see also the she-oak-tree, which is said to emit a curious wailing sound during the quietest state of the atmosphere, when there is not a breath of wind to move the branches or the leaves. This tree is found growing near the sea in Australia, and is said to have borrowed the murmur of the conch-shell. It has proved to be the inspiring theme of many a local poet. The flowers in this garden are as attractive as the trees; fuchsias, roses, and camellias are in great perfection and variety, flanked by a species of double pansies and a whole army of brilliant tulips. Flowers bloom in every month of the year in this region, out of doors, and are rarely troubled by the frost.

The excellent university of Sydney is admirably situated, and is the first that was founded in the Southern Hemisphere. The city has also its art-gallery, and free public library, with over a hundred thousand volumes. It has also hospitals, churches, and many charitable institutions, with various schools. Sydney holds high rank as a British colonial city, and deservedly so, having special reason for pride in the complete system of her charitable and educational organizations, her noble public buildings, and the general character of her leading citizens. Land in the city and immediate suburbs is held at prices averaging as high as in Boston and New York, and the wealth of the people is represented to be very great in the aggregate.

Australia in its extreme breadth, between Shark's Bay on the west and Sandy Cape on the eastern shore, measures twenty-four hundred miles; and from north to south, – that is, from Cape York to Cape Atway, – it is probably over seventeen, hundred miles in extent. The occupied and improved portions of the country skirt the seacoast on the southern and eastern sides, which are covered with cities, towns, villages, and hamlets. The country occupied for sheep-runs and cattle-ranches is very sparsely inhabited. The reason for this is obvious, since the owner of a hundred thousand sheep requires between two and three hundred thousand acres to feed them properly. The relative proportion as to sheep and land is to allow two and a third acres to each animal.

The great dividing mountain-chain of Australia is near the coast-line in the south and east, averaging perhaps a hundred miles or more from the sea. Nearly all the gold which the land has produced has come from the valleys and hillsides of this range. The gold-diggings of New South Wales have proved to be very rich in some sections; but unlike those of Queensland and Victoria, the precious metal is here found mostly in alluvial deposits.

Many nationalities are represented in Australia and New Zealand, but the majority are English, Scotch, and Irish. The officials of New South Wales especially, look to England for favors which a political separation would cut them off from; among these are honorary titles and crown appointments of a paying nature. The constitution under which the colonies are living is such as to entitle them to be called democracies. In many respects the local government is more liberal and advanced than in England. Church and State, for instance, are here kept quite distinct from each other. As to the legislative power of the colonies, it is seldom interfered with by the home government.

A journey of about five hundred miles northward, either along the coast by steamer, or by railway inland, will take us to Brisbane, the capital of Queensland, which has a population of about fifty thousand. Until 1860 it was an appendage of New South Wales, but was in that year formed into an independent colony. The site of the city is a diversified surface, with the river whose name it bears winding gracefully through it, about twenty-four miles from its mouth; though in a direct line it would be but half that distance to where it empties into Moreton Bay, one of the largest on the coast of Australia. It was discovered by Captain Cook in 1770, and is formed by two long sandy islands running north and south, named respectively Standbroke and Moreton Islands, enclosing between them and the mainland a spacious sheet of water more than thirty miles long and six or eight wide, beautified by fertile islands.

On approaching Brisbane by sea one is puzzled at first to find where the mouth of the river can be, so completely is it hidden by the mangrove swamps which skirt the coast. A pleasant little watering-place is situated close at hand, named Sandgate, which is connected by hourly stages with the city. Several small rivers, all of which, however, are more or less navigable, empty into Moreton

Bay, showing that the district inland hereabouts must be well watered. It is less than fifty years since Brisbane was opened to free settlers, having been previously only a penal station for English criminals; but of this taint resting upon the locality, the same may be said as of Sydney, or Hobart, in Tasmania, – scarcely a trace remains.

Queen Street is the principal thoroughfare, and is lined with handsome stores and fine edifices, there being no lack of architectural excellence in either public or private buildings. Like its sister cities, it has a botanical garden, the climate here favoring even a more extensive out-door display of tropical and delicate vegetation than at Melbourne or Sydney. An intelligent spirit of enterprise is evinced by the citizens of Brisbane, and everything goes to show that it is destined to become a populous and prosperous business centre. Its climate, especially, is considered almost perfect. Queensland is very rich in gold-producing mines, but it has also almost endless rolling plains covered with herbage suitable for the support of great herds and flocks, where some fourteen millions of sheep are now yielding meat and wool for export, and where some three millions of cattle are herded. The real greatness of the country is to be found in its agricultural capacity, which is yet to be developed. A very pleasant trip may be enjoyed up the Brisbane River and Bremer Creek, on which latter stream Ipswich is situated. It is twice as far by water as by land, but the sail is delightful, often affording charming views of the city from the river, while at the same time passing suburban residences, flourishing farms, banana-groves, cotton-fields, sugar-plantations, and orange-orchards.

Queensland is more than five times as large as the United Kingdom of Great Britain and Ireland, and it possesses an immense amount of undeveloped resources of the most promising character. The sun shines here with much more tropical ardor than in New South Wales or Victoria. The palm takes the place of the eucalyptus to a certain extent. The tulip-tree, rosewood, sandalwood, and satin-wood, which are not observed further south, greet us here. The aborigines are oftener met than elsewhere, as they prefer to live in a more temperate climate than is found southward, and to be where they can have the country more to themselves. They probably do not number over thirty thousand in all, and are slowly but surely decreasing before the advance of the whites. Even when first discovered they were but a handful of people, so to speak, scattered over an immense territory. They have still no distinct notion of the building of houses in which to live, or at least they adopt none, though they have the example of the whites constantly before them. They are very ugly, having black skins, flat noses, wide nostrils, and deep-sunken eyes wide apart. A bark covering, much ruder than anything which would content an American Indian, forms their only shelter, and they often burrow contentedly under the lee of an overhanging rock or hillside.

The Australian blacks have plenty of legends of the most barbaric character, but by no means void of poetical features. They believe that the earth was created by a being of supreme attributes, whom they call Nouelle, and who lives in the sky. They entertain the idea that because the sun gives heat it needs fuel, and that when it descends below the horizon it procures a fresh supply for its fires. The stars are supposed to be the dwellings of departed chiefs. The serpent is believed to contain the spirit of a real devil. To eat the kidney of an enemy, it is thought by them, imparts to the one who swallows it the strength of the dead man. Any number above five, these blacks express by saying, "it is as the leaves," not to be counted. The white man's locomotive is an imprisoned fire-devil, kept under control by water. The lightning is the angry expression of some enraged god.

The most peculiar weapon possessed by these aborigines is one which originated with them, and is known as the boomerang, – of which every one has heard, but which few have seen. It is a weapon whose characteristics have caused its name to pass into a synonym for anything which turns upon the person who uses it. It seems at first sight to be only a flat, crooked, or curved piece of polished wood, about twenty-eight inches long and three-quarters of an inch in thickness. There is nothing remarkable about this weapon until we see a native throw one. In doing this he carefully poises himself, makes a nice calculation as to distance, raises his arm above his head, and brings it down with a sort of swoop, swiftly launching the curved wood from his hand. At first the boomerang

skims along near the ground, then rises four or five feet, but only to sink again, and again to rise. As we carefully watch its course, and suppose it just about to stop in its erratic career, and drop, spent, to the ground, it suddenly ceases its forward flight, and rapidly returns to the thrower. It is thought that no white man can exactly learn the trick of throwing this strange weapon, and certainly few ever care to attempt it a second time.

Ethnologists tell us that these blacks belong to the Ethiopian race, – they are the lowest probably of all the human family. The conviction forces itself upon us that they must be the remnant of some ancient people of whom we have no historic record. When Australia was first taken possession of by the whites, it seems to have been, if the term is in any instance admissible, a God-forsaken land; certainly it was the most destitute of natural productions of any portion of the globe. We can well believe that before these blacks came hither, – perhaps a thousand years ago, – this land was untrodden by human beings.

No species of grain was known to these natives; not a single fruit worthy of notice grew wild, and not an edible root of value was produced. The only game of any size was the kangaroo and a few species of birds. Now, the trees, fruits, vegetables, and game of all regions have become domesticated here, proving to be highly productive, whether transplanted from tropical or from semi-tropical regions.

Queensland measures thirteen hundred miles from north to south, and is about eight hundred miles in width, containing a population at the present time of three hundred and forty thousand. The climate may be compared to that of Madeira, and it is entirely free from the hot winds which sometimes render Sydney and Melbourne so uncomfortable. Leaving out West Australia, which is yet so little developed, the country may be divided thus: Queensland is the best and most extensive grazing section; in this respect New South Wales comes next. South Australia is characterized by its prolific grain-fields, and Victoria is richest in auriferous deposits; but there is gold enough in all of these colonies to afford constant stimulus to mining enterprise, fresh discoveries in this line being made every month. It is proposed to separate the north of Queensland from the south, at the twenty-second parallel of latitude, and to form the northern portion into a separate colony. As Queensland is larger than England, France, and Belgium with Holland and Denmark combined, there can be no want of territory for such a political division: population, however, is needed.

We will now turn our steps southward, by the way of Sydney and Melbourne, to Tasmania. At the last-named city we take a coasting steamer passing down the river Yarra-Yarra, the muddiest of water-ways, until Bass's Strait is reached, across which the course is due-south for a hundred and twenty miles. This is a reach of ocean travel which for boisterousness and discomfort can be said to rival the English Channel, between Calais and Dover. As the coast of Tasmania is approached, a tall lighthouse, one hundred and forty feet above sea-level, first attracts the attention, designating the mouth of the Tamar River. While crossing the Strait we are surrounded by a great variety of sea-birds, among which are the cape-pigeon, the stormy petrel, and the gannet, which last is the largest of ocean birds next to the albatross.

On drawing still nearer to the shore, flocks of pelicans are observed upon the rocks, and that most awkward of birds, the penguin, is seen in idle groups. He is a good swimmer, but his apologetic wings are not intended for flying.

We pass up the Tamar River, through a narrow, winding channel for a distance of forty miles before coming to the harbor and town of Launceston. The many tall, smoking chimney-shafts which meet the eye indicate that the town is busy smelting ores, dug from the neighboring mineral hills and valleys. It is a pleasant and thrifty little city, somewhat liable to earthquakes and their attendant inconveniences. The place has a population of ten or twelve thousand, and is named after a town in Cornwall, England. We have left Australia proper far behind us, but the Bass Strait which separates that land from Tasmania is evidently of modern formation. The similarity of the vegetation, minerals, animal, and vegetable life of the two countries shows that this island must, at some time in the long-

past ages, have been connected with the mainland. And yet the aborigines of Tasmania were a race quite distinct from those of Australia, so different, indeed, as only to resemble them in color. They were a well-formed, athletic people, with brilliant eyes, curly hair, flat noses, and elaborately tattooed bodies. This ingenious and barbaric ornamentation, practised by isolated savage races, seems to have been universal among the inhabitants of the Pacific Islands, though the great distances which separate them, as well as the lack of all ordinary means of intercommunication, would lead to the belief that they could not have borrowed the idea from one another. So late as 1828 there were a few of the Tasmanian aborigines still alive, but to-day there is not a representative of the race in existence.

When the country cast off the disgrace of being a penal colony, the name it bore was very judiciously changed from Van Dieman's Land to that of Tasmania, in honor of its first discoverer, Abel Janssen Tasman, the famous Dutch navigator of the seventeenth century. We should perhaps qualify the words "first discoverer." Tasman was the first accredited discoverer, but he was less entitled to impart his name to this beautiful island than were others. Captain Cook, with characteristic zeal and sagacity, explored, surveyed, and described it, whereas Tasman scarcely more than sighted it. However, any name was preferable to that of Van Dieman's Land, which had become the synonyme for a penal station, and with which is associated the memory of some of the most outrageous and murderous acts of cruelty for which a civilized government was ever responsible.

The whole island has now a population of about one hundred and thirty thousand, and a total area of over twenty-four thousand square miles. It is not quite so large as Ireland. Lying nearer to the Antarctic Circle it is of course cooler than the continent, but the influence of the sea, which completely surrounds it, renders the climate more equable. The general aspect of the country is that of being occupied by thrifty farmers of advanced ideas, such as carry on their calling understandingly, and more like well-populated America than sparsely-inhabited Australia. Our native fruits – apples, peaches, pears, and the like – thrive here in such abundance, as to form a prominent item in the exports, besides promoting a large and profitable industry in the packing of preserved fruits, which are in universal use in Australia and New Zealand. These canned fruits have an excellent and well-deserved reputation. Here, also, we find enormous trees, with a circumference of eighty feet near the ground, and a height of three hundred and fifty feet. Fern-trees, with their graceful palm-like formation, are frequently seen thirty feet in height. The country is well-wooded generally, and traversed by pleasant watercourses; it is singularly fertile, and rich in good harbors, especially upon the east coast. In short, its hills, forests, and plains afford a pleasing variety of scenery, while its rich pastures invite the stock-breeder to reap a goodly harvest in the easiest manner.

Launceston is situated at the head of navigation, on the Tamar, where the town nestles in the lap of a valley surrounded by high elevations. It is regularly laid out in broad streets, lighted by gas, and has a good water-supply brought from St. Patrick's River, fifteen miles east of the city. There are numerous substantial stone buildings, and everything bears a business-like aspect. There is a public library, and several free schools of each grade. The North and South Elk Rivers rise on different sides of Ben Lomond, and after flowing through some romantic plains and gorges, they join each other at Launceston. The sky-reaching mountain just named is worthy of its Scotch counterpart; between it and Launceston is some of the finest river and mountain scenery in all Tasmania. Ben Lomond is the chief object in the landscape, wherever one drives or walks in this part of the island. Tasmania possesses vast mineral wealth. The richest and most profitable tin mine in the world is that of Mount Bischoff, situated about a hundred and fifty miles from Launceston. The Beaconsfield gold mine is only thirty miles from the city, besides several others not much further away, which are rich in their yield of the precious metal.

The journey from here to Hobart, a distance of one hundred and twenty miles, takes us through the length of the island in a southeasterly direction. We pass through lovely glades, over broad plains, across rushing streams, and around the base of abrupt mountains. Hobart was so named in 1804, in honor of Lord Hobart, who was then Secretary of State for the Colonies. It is surrounded by hills

and mountains except where the river Derwent opens into lake form, making a deep, well-sheltered harbor, whence it leads the way into the Southern Ocean. Among the lofty hills in this vicinity Mount Wellington towers forty-two hundred feet above the others, so close to the city as to appear to be within rifle range. The shape of the town is square, and it is built upon a succession of hills, very much like Sydney. It has broad streets intersecting each other at right angles, lined with handsome, well-stocked stores and dwelling-houses, serving an active and enterprising population of thirty thousand and more. Of these shops, two or three spacious and elegant bookstores deserve special mention, being such as would be creditable to any American city. It must undoubtedly be a cultured community which affords support to such establishments.

Yet we cannot forget that Hobart has scarcely outlived the curse of the penal association which encompassed its birth. Between thirty and forty years ago, the British government expended here five thousand dollars a day in support of jails and military barracks. The last convict ship from England discharged her cargo at Hobart in 1851, since which year the system has gradually disappeared. The city is supplied with all the necessary charitable and educational institutions, including a public library and art gallery. The street scenes have the usual local color, embracing the typical miner, with his rude kit upon his shoulder, consisting of a huge canvas bag, a shovel, and pick. The professional chimney-sweep, with blackened face and hands begrimed, – he whom we lost sight of in Boston years ago, – is here seen pursuing his antiquated vocation. Market-men have the same peculiar mode of delivering purchases to their customers that we have noticed elsewhere in this country, and are seen galloping about upon wiry little horses, bearing upon their arms large well-filled baskets. Women, with small handcarts full of slaughtered rabbits, cry them for sale at twelve cents a pair, besides which they receive a bounty for killing these pests.

The river Derwent, which rises far inland where the beautiful lakes St. Clair and Sorell are embosomed, broadens into a lake six miles wide where it forms the harbor of Hobart, and is famous for the regattas that are rowed upon its surface. Here, the largest craft that navigates these seas can lie close to the wharf and the warehouses. A visit to the Lake District of Tasmania affords many delightful views, where those inland waters just referred to lie in their lonely beauty, now overhung by towering cliffs, like those bordering a Norwegian arm of the sea, and now edged by pebbly beaches where choice agates and carnelians abound.

The charming cloud-effects which hang over and about the lofty hills which environ the capital of Tasmania, recall vividly those of the Lake of Geneva, near Chillon, while the Derwent itself, reflecting the hills upon its blue and placid surface, forms another pleasing resemblance to Lake Lemman. In ascending Mount Wellington, the lion of Tasmanian scenery, when we find ourselves at an elevation of about two thousand feet, it is discovered that we have reached the Old World ocean-floor. Here, there are plenty of remains of the former denizens of the ocean, – fossils, telling the strange and interesting story of terrestrial changes that have taken place in the thousands upon thousands of years that are passed.

About twenty miles from Hobart we find a forest of the remarkable gum-trees of which we have all read, – trees which exceed in height and circumference the mammoth growths of our own Yosemite Valley, and fully equal those of Victoria. The immediate locality which contains them is known as the Huon District. A walk among these forest giants fills one with wonder and delight; their lofty tops seem almost lost in the sky to which they aspire. No church steeple, no cathedral pinnacle reared by the hand of man, but only mountain peaks reach so far skyward.

Tasmania is largely occupied for sheep-runs and wool-raising. The eastern side of the island is studded with lovely homesteads carefully fenced, the grounds about the residences being covered with fruit trees and flower plats. There does not appear to be any waste land, all is carefully improved in the peopled districts. The roads are often lined with thrifty hedges, symmetrically trimmed, frequently consisting of the brilliant, constant flowering, fragrant yellow gorse, and sometimes of the stocky species of scarlet geranium. This sort is not fragrant but becomes very thick by being cut partly down

annually, until it makes an almost impenetrable hedge. Prosperity and good taste are everywhere noticeable, amid a succession of landscapes like those of the populous New England States.

CHAPTER VI

We embark at Hobart by steamship, for Southern New Zealand. After following the course of the river Derwent for a distance of twelve miles, its mouth is reached, where the ship's course is a little south of east, the dull green of the waters on soundings rapidly changing to the navy blue of the ocean. The prevailing winds here are from the west, which with the Australian current and the Antarctic drift, are in our favor, so the ship speeds cheerily on her way.

The tedium of the voyage is beguiled by watching the graceful movements of the wandering albatross, the fateful bird of nautical romance, which is sure to be seen in considerable numbers below the thirtieth parallel of south latitude. The peculiarities of this sea-bird's flight are a constant marvel, for it scarcely ever plies its wings, but literally sails upon the wind in any desired course. We wonder what secret power can so propel him for hundreds of rods with an upward trend at the close. If for a single moment he lights upon the water to seize some object of food, there is a trifling exertion evinced in rising again, until he is a few feet above the waves, when once more he sails with or against the wind, upon outspread, immovable wings. With no apparent inclination or occasion for pugnacity, the albatross is yet armed with a tremendous beak, certainly the most terrible of its kind possessed by any of the feathered tribe. It is from six to eight inches long, and ends in a sharp-pointed hook extremely strong and hard. It has been humorously said that if he pleased, the albatross might breakfast at the Cape of Good Hope and dine in New York, so wonderfully swift is he in flight and so powerful on the wing.

At night the phosphorescence of these lonely waters lying just north of the Antarctic Circle, between Tasmania and New Zealand, is indeed marvellous. Liquid fire is the only term which will properly express their flame-like appearance. If a bucketful is drawn and deposited upon deck, while it remains still it appears dark and like any other water, but when agitated it emits scintillations of light like the stars. A drop of this water placed under a microscope is found to be teeming with living and active creatures. If we suspend a muslin bag for a few moments over the ship's side, with the mouth open, then draw it up and permit it to drain for a few seconds, placing what remains in a glass tumbler, we shall find the abundance of living forms which it contains quite visible to the naked eye. No two of these minute creatures seem to be of similar form; the variety is infinite, and their activity incessant. Most of these animalcules, however, are so small that if it were not for the microscope we should never know of their existence.

The voyage from Hobart to the Bluff, South New Zealand, usually consumes four days, and it is often a very rough passage. Sailing-vessels making this trip carry a quantity of crude oil, which in extreme cases they employ to still the boisterous sea about them, when "God maketh the deep to boil like a pot." It should be known that our own Benjamin Franklin first suggested, about a century ago, the carrying of oil by vessels for this purpose. This shrewd American philosopher was also the first to suggest, about the same time, that ship-builders should construct the hulls of vessels in water-tight compartments, thus affording sufficient sustaining power to float them when by accident portions of the hull became leaky or broken into. After the lapse of a century both of these precautions have been adopted, and are much used.

As we sight the land, the southwest coast of New Zealand is found to be indented with deep fjords [Pronounced *feords*.] almost precisely like the coast of Norway from Bergen to Hammerfest; and, singular to say, these arms of the sea, like those of the far north, are much deeper than the neighboring ocean. The Bluff, also known as Campbelltown, is situated in the very track of storms, being open to the entire sweep of the Antarctic Ocean. Its shelving side, sloping towards the harbor, forms a sort of lee, or sheltered position, which is occupied by a pretty little fishing-village of some sixty houses, and contains a population of less than a thousand. These people gain their living mostly from the neighboring sea, and from such labor as is consequent upon the occasional arrival of a

steamship bound northward. We may here take refreshment at the Golden Age Inn, which is the most southerly house of public entertainment on the globe.

New Zealand did not become a recognized British colony until the year 1840. For three-quarters of a century after Cook's first visit, the native tribes remained in free possession of the country. It is true that England was mistress of these islands by right of discovery, but she made no formal assumption of political domain until the period already named, when it was formed into a colony subordinate to the government of New South Wales. As early as 1815, white men of venturous disposition began to settle in small numbers among the natives; but often their fate was to be roasted and eaten by cannibals. Before 1820, missionaries, no doubt influenced by truly Christian motives, came hither and devoted their lives to this people, – in more senses than one, as it is well known that they not infrequently met with a fate similar to that of other settlers.

New Zealand lies as far south of the equator as Italy does north of it, and is divided into the North and South Islands by Cook's Strait. The South Island is also known as the Middle Island, to distinguish it more fully from Stewart Island, which belongs to the group, and which lies to the south of it. This last-named island is separated from Middle Island by Foveaux Strait some fifteen or twenty miles across the water from the Bluff. It is about fifty miles long by thirty broad, and has a mountain range running through it, the loftiest peak of which is a trifle over three thousand feet high. There are some fishing hamlets here, but there are very few inhabitants. All these islands are popularly believed to have once formed part of a great continent, which is now sunk in the sea.

Unlike Australia, New Zealand is rarely visited by drought. The whole eastern coast abounds in good harbors, while the rivers and streams are ever flowing and innumerable. Though it is a mountainous country, it differs from Switzerland in that it has no lack of extensive plains, which seem to have been left by nature ready to the hand of the farmer, requiring scarcely ordinary cultivation to insure large and profitable crops of grains. This diversity of surface, as well as the fact that these islands extend over thirteen degrees of latitude, give the country a varied climate, but it is a remarkably temperate one, its salubrity far surpassing that of England or any part of the United States. While snow is never seen in the North Island except upon the highest mountains, the plains of the South Island, as far south as Otago, are sometimes sprinkled with it, but only to disappear almost immediately. The rivers are generally destitute of fish, and the forests of game. It is no sportsman's country; but vegetation runs riot, the soil being remarkably fertile, clothing the wild lands with perpetual verdure and vigorous freshness.

The area of the islands known as New Zealand is about one hundred thousand square miles, being a few more than are contained in England, Wales, and Ireland combined. The entire coast line is four thousand miles in length. Out of the seventy million acres of land, forty million are deemed worthy of cultivation. The soil being light and easily worked favors the agriculturist, and New Zealand is free from all noxious animals and venomous reptiles. It is stated that no animal larger than a rat was found here by the discoverers. The remote situation of the country, surrounded by the greatest extent of ocean on the globe, has kept it in a measure unknown to the rest of the world, even in these days of rapid communication with all parts of the earth. Wellington, the capital, is about fifteen thousand miles more or less, from the Colonial Office in London; in other words, New Zealand forms the nearest land to the actual antipodes of England. The precious metals are distributed over the land in gold-bearing quartz reefs, rich alluvial diggings, and in the sands of its many rivers. Mines of tin and iron as well as other minerals are supplemented by an abundant supply of the most important of them all; namely, coal.

There is little of interest to detain us at the Bluff, so we continue on by steamer to Dunedin, the metropolis of Otago district, and indeed, the principal city of New Zealand, if we make the number and wealth of its population the criterion of comparison. The cities of both Australia and New Zealand, but especially those of the latter country, have a habit of locating themselves among and upon a collection of hills, up the sides of which the houses creep in a very picturesque manner.

Dunedin is no exception to this rule, rising rather abruptly from the plain, which is the location of the wharves and business houses, to the summit of the surrounding hills. A portion of the plain near the shore, upon which broad streets and substantial blocks of buildings now stand, consists of made land, redeemed at great expense from the shallow water front of the town.

The first settlement here was made so late as 1848, by a colony nearly every member of which came from Scotland, and from this source the city has continued ever since to draw large numbers annually. The Scottish brogue salutes the ear everywhere; the Scottish physiognomy is always prominent to the eye; and indeed, there are several prevailing indications which cause one to half believe himself in Aberdeen, Glasgow, or Edinburgh. This is by no means unpleasant. There is a solid, reliable appearance to everything. People are rosy-cheeked, hearty, and good to look at. The wand of the enchanter, to speak figuratively, touched the place in 1861, from which date it took a fresh start upon the road of prosperity. It was caused by gold being discovered in large quantities near at hand, and from that date the city of Dunedin has grown in population and wealth with marvellous rapidity. Large substantial stone edifices have sprung up on all the main thoroughfares devoted to business purposes, banks, public offices, churches, schools, storehouses, etc., giving an unmistakable aspect of prosperity. The street-cars are mostly operated on the cable principle. Horses could not draw heavily-laden cars up some of the steep streets. The sensation when being conveyed on one of these cars up or down a steep grade of the city, is the same as when ascending or descending some Swiss mountains, by means of the same unseen power. The car is promptly stopped anywhere, to land or to take on a passenger, no matter how steep the grade, by the simple movement of a lever, and is easily started again. The powerful stationary engine situated a mile away, by means of the chain beneath the road-bed quietly winds the car up the declivity however heavily it may be laden, without the least slacking of speed.

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