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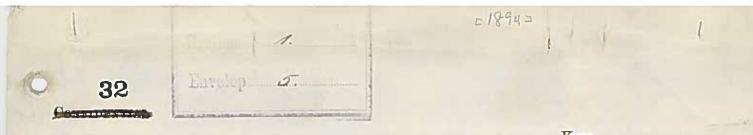
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The Sea Power and Position

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or: Commander C.M. Stockton, U. S. n. Ints: The Fra Power & Position of Great Britain at the Oresent Day Contents :

L ROATINES OF NAVAL WAR COLLECE

U. S. NAVAL STATION, NEWPORT, R. I.

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To be returned

The Sea Power and Position of Great Britain

at the present day.

Great Britain is by universal consent at the present time the first Naval power of the world. This is so, not merely by the strength of her Naval forces, but also by her geographical position, by the maritime character and strength of her people, by her great commerce, and by her possession of important strategical positions in every navigable sea of importance in the world.

To this Naval ascendency is closely linked a commercial and financial supremacy that sustains and confirms her position as Mistross of the seas.

The mastery of the sea cannot be held by more than one country at a time. The predominance in Naval and commercial power from which the mastery follows has changed from time to time, but from the earliest ages there has been one power that has lead in this respect and has held relatively the position now enjoyed by Great Britain.

The Mediterranean was the birth place of navigation; and supremacy in those land enclosed waters passed with comparitive rapidity, in ancient times, from one country to another.

The Phoenicians were the first to attain such superiority and after them came the Greeks, the Carthaginians, Romans, Venetians and Genoese until the rounding of the Cape of Good Hope gave the greatest length of sea radius and commercial supremacy to the Portuguese and gave the greatest sea power to a country outdide and bone the Mediterranean whose shores were washed by the boundless Atlantic Ocean.

Spain by her discoveries and colonial conquest may be said to have succeeded Portugal in supremacy upon the sea, a supremacy found, rather thab earned or maintained by strength, but her supremacy suffered a shock in due time from the defeat of the <u>Great Armada</u> from which it never recovered and by the end of the 16th Century it was relegated to a secondary place.

As the Sea power of Spain declined, that of Holland and England, increased and the Dutch in their turn became the leading Sea power of the world through their commercial expansion reaching as it did as it did both the East and West Indies. Its culmination came in middle of the 17th Cemtury when the Dutch shipping exceeded that of all the rest of Europe put together.

of Orake England dates its importance as a Sea power from the time most before the Defeat of the" Invincible Armada" It has been well said that whatever the maritime leaning's of the English people were before those times that that event, after it, England became unalterably a maritime Nation. In those days England was sufficiently large and fertile to produce the necessaries of life for its growing population, The defeat of had the Armada proved the difficulties in the way of invasion, while the proximity of Great Britain to the Continent was sufficient to Thic enable it to have easy commercial relations with the markets there while and the climate, coasts and conditions of sea and soil on and about

) the British Isles were such as to compel skill and hardihood in *As well as* the navigation of the waters, **and** a life of labor upon the land.

The development of Sea power was gradual, and an ascendency was not attained until after a series of fights with the Dutch, the sturdiest opponents the English ever had the European waters. This supremacy which came after the middle of the 17th Century- can be dated from the conclusion of the war with the Dutch in 1654, when after a bitter confests the Dutch by treaty acknowledged the British dominion of the Sea. But this dominion was not to remain undisturbed, it was closely contested by the French durigy the reign of Louis XIX, once more also by Spain in 1739, and again and again with France, aided by Spain, until the great peace of 1763. During the wars preceding this peace the English had destroyed, or captured over one hundred ships and had secured much territory abroad.

for of as means of approach and of attack; by the medern Naval forces of a any country.

acto It has been broadly stated that three fourths of the world is directly dominated by the Sea and indirectly it Can be added that more or less mat the civilized world is controlled by the influences the Ocean bears. Loga Country But though the territory, Commerce and Naval forces affinit Float can be reached more readily than ever by the Sea; the morns Cleation of of creating such Naval forces are more difficult, the time for doing so more prolonged, while the time for repelling such attacks alone by improvised material has gone by. An increasing time is needed for the preparation of personnel and material, for construction , organization, assemblage, and training. // I venture here to digress and express the hope that it will be always borne in mind that all training, exercise, and instruction, must be as a means for an end, and that it should not be viewed as an end alone. We, young as we are have also cur Brunbers , who forget that the Navy is created and exists for war, or otherwise it has no veason for existinge; its police service being both minor and incidental.

The principal conditions affecting the Sea Power of Nations are cogently given by Captain Mahan (in carlier publication

The principal conditions affecting Surformer have been grien by Reaptillachen as_ I - Geographical Position.

2 - Physical Conformation.
3 - Extent of Territory.
4 Number of Population.

5 - Character of the people.

6 - Character of the Government.

The strength of the British Empire, reaching over the Whole world in its giant like grasp emanates from the home tarritory of the British Isles.

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This strength, due to its sea power, arises from England's superiority in the condition just enumerated.

First of all from its <u>superiority due to its</u> insular position arises great advantages, from the fact that it is not required to defend itself by land, **the** defence against invasion being primarily a sea defence, which alone would compel the creation and sustenance of a Navy. Napoleon is quoted as having said that with six days in command of the waters of the English Channel, on the fifth, I will be in London". Without this command, to be obtained a alone from Naval superiority the thought of invasion could not be entertained.

The separation of the British Isles from the Continent (Instance do often arising for an extension of of Europe removes allow the territory by conquest. The physical (Dividing by Conquest of Adjacent Country. Menumiel conformation of the British Isles, with its Estuaries, bays and ports; the proximity and accessibility of its towns and interior Country to the sea; and the fact that its coast line being continuous, has menufaquin not the disadvantage of a separation, like the coasts of France or the one menufaquin the United States, presents decidedly favorable conditions for Concentration The separation of Ireland from the otherwise compact

United Kingdom is a feature of weakness in the physical conform-

ation, it retards a growth of homogorfity of the population and by a severance of land communication makes Ireland an exposed terridufficult to defend. tory to attack and addingto the difficulty of its defence.

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History shows that in later times some of the most threat ening demonstrations against Brettishrsotilnhave been landings, actual or intended, upon the coast of Ireland. The Military objections against independence and Home Rule in Ireland seem to have reasonable foundations. This separation of Ireland increasing the mecessity for Naval force contributes to build up the sea power of Fngland.

The extent of the territory of the British Empire has two bearings upon its Sea Power, one from the immense Sea coast and maritime region thus incorporated under the British flag, the other arising from the necessity of sea communication between the outlying territories, and from them to the home country, and to the markets of the world. To a very great degree the physical conformation of British Colonial territory is either insular or peninunit sular, the lines of sea communications of Great Britain are estimated to be over 92,000 miles in length.

The population of Great Britain and Ireland is **sension** above **from** and to this number must be added the White populations fuch of the sea lined colonies of Australia, Canada, and Oape Golony amounting to **about 19000,000** souls. Here **Wards** are 50,000,000 of a maritime race in maritime countries, and this element of durable Sea power is still further strengthened by the White and sea going population of the East and West Indies. The sea going character of a Nation whose mercantile mawith heady 14 rine has a tonnage of the With millions, out of a possible 2 millions, and in whose trade is employed afloat over 242,000 persons of whom Mutuids more than I30000 are British requires no further showing. The commercial and colonizing instincts of the English have never had a paralell in the history of the world and are as active to day as in the past.

The character of the British Government is favorable to unallition fothe for the subjects it has until late years aimed steadily, perhaps more instructively than logically, for the command of the Sea and all that is there upon carried. It is in close sympathy with all commercial extension; and its support of Sea activity by Sea strength has been continuous, powerful, and in the main successful.

The Strategical position of the British Isles and of the various possessions of Great Britain in the world is worthy of study. Let us first examine the position of this great Sea power

in the Ocean and water area of the world.

Pointouton The British Isles are placed upon the middle of the great Western face of Europe as it looks towards that Ocean show whose mystery Columbus solved. Their position is such that the great and only Sea route between Northern and Southern Europe passes at the threshold of the isles and is dominated by their Naval power. The trade of the world reaches one of its central in the North Sea close to the shores of England, as it passes through the Straits of Dover

and out of the Baltic, from the coasts of Norway and Sweden, and from the mouths of the Scheldt, the Meuse, the Rhine and the Thames Century mooto together in the southern portion of the North Sea. This area with the routes radiating therefrom, being commanded by Great Brit-

The British Isles looking westward, faces British North America looking enclosed across the North Atlantic and to clinch The ascendency of England in this the most important, as well as oldest known of all oceans, is found Gibraltar in the Eastern half, Halfat, and Bermudas and the British Windward Islands in the Western half.

The British with the great trade routes of the world conadjacent verging in the adjacent waters to their islands, and with the Naval superiority existing and based upon their home ports upon Gibraltar, Halifax, the Bermudas, St Lucia and Jamaica control the North Atlan

tic Ocean even to our very harbor entrances. The great stretch of coast line of the United States upon *form itself* the Western Atlantic gives us no control of the Ocean which washes this coast. The extent of this coast line, the inlets, ports or harbors that indent it, gives us nothing, even if all were fortified without the Sea power which arises from the existence of sufficient *harbors* have force. Our Sea power is not only weak in the distant Pacific, but is relatively weaker along the very centre of our Sea frontier, in the midst of our commerce and wealth and along the great artery of our coasting trade whose value and importance *Market Market Market*

Our trade between the North and South, between the Atlantic and the Gulf is under the control of light craft whose operations based upon the Bahamas would be backed by what England choose to send from home.

The Med-Atlantic from 20 deg. N to the Equator where so many trade routes cross is not beyond the reach of Gibraltar to the North East or Sierra Leone to the South East.

In the South Atlantic as it widens out below the Equator, there are to be found the British islands of Ascension and St Helena and we come also before long within the sphere of the region of Cape Colony with its fortified anchorages at Capetownnand Simons' Bay. The routes to and around the Cape of Good Hope are the ones more particularly covered is this Ocean and are the more valuable; though the Falkland Islandsare not too far off to cover the Straits of Magellan and the route around Cape Horn.

The Indian Ocean has all of its entrances guarded by strategic points in the hands of the English, wisely and opportune occupied by them. Strategic work and Military strength has been fostered in time of peace, and bloodshed and perhaps war saved there by.

The Cape of Good Hope or rather the British possessions of South Africa extending from Walfisch Bay upon the west coast to Natal and beyond upon the east coast, with the Island of <u>Mauritius</u> covers the south-western entrance to the Indian Ocean while in the north-west the Suez Canal practically enters the Indian Ocean while

through the Strait of Bab-el-Mandeb at British Aden with Perim, under the same flag, not far off upon the other side of the entrance.

In the north-east isfound Singapore which controls the principal route to China and Japan, in the Eastern centre, Torres Strait in is English on both of its shores with Thursday Island, a Naval coaling Station of the present and future in the middle of this water highway.

In the Northern Centre, India stretches down having at its very apex Ceylon, historic in the past, important in the future, a stepping stone upon the Easterly route and a source, where protection may come, for both coasts of Hindustan.

In the South-east King George Sound in the south-western angle of the Australian Continent, affords magnificent anchorage for the Naval forces required to watch all that enters and leaves t'e Indian Ocean from this direction.

The Pacific Ocean (is discussed Fully in other loctures) has Which Sydney and Melbourne in its south-western portion is balanced by Esquimault and Vancouver in the North-eastern angle, while Hong

Kong fills the North-eastern portion and continues the route from Me Chusau from far the future & Chei-he-wei for the future the Singapore. In the South-east alone is a gap which is only imperfectly filled by the proximity of the Falkland Group.

Going from the Oceans to the Seas let us notice first of all the Mediterranean, whose central position, has made it in the co still without past of great value and whose importance is at present if anything without the the formula. upon the North and is consequently the direct route to the Indies from Europe and America and with its tributary waters touches the Mome possession: of every great power in the world save Germany and the United States, the At its very entrance is Gibraltar to which before long will doubtless be added other British territory, while in the Centre and East are the islands of Malta and Cyprus. Guarding the other outlet from the Mediterranean besides Cyprus we find Alexandria and the Egyptian anomaly and what are all these and the Suez Canal too if not English and English held.

The Red Sea has Suez and Aden at either entrance and is but the prolongation of the Canal with the proper outlet at the control Strait of Bab-el-Mandeb and at Aden rather than at Suez. The Baltic has been given over, to Germany, its second enthe by Canal, with Helgoland directly opposite the Western end; but Great Britain controls the entrances to the Baltic by its command of the North Sea as we said at the beginning.

The China Sea contains within its limits Strategic points as mutured before in Borneo, Singapore and Hong Kong while the Chursan Islands lookig towards the Yellow Sea and the Sea of Japan can and will be English whenever they are wanted.

It is and has been for years the policy of Great Britain to rely upon her Navy as a principal means of defence for the British Kingdom and Colonies and the same means is necessarily relied upon for the protection of the lines of communication between the Home Country and the Colonies as well as between the various groups of Colonies.

It has been the policy to fortify the more important commercial ports at home and abroad, and the Naval and coaling Stations abroad, so as to resist and repel sudden maritime attack, but after that comes the role of the fleet to assure protection by the Command of the Sea through the defeat or dispersion of the Enemy's forces. Fortunately for England the sound ideas so persistently put in force by St Vincent still prevails, that the enemys' fleet should be met at his own port and that the soundest plan is to make these ports the frontier lines and mask the forces therein contained, by an equal or superior force in all respects ready foraction. But if the bloskade should be evaded, and a blockade is none the less a blockade, though at times evaded, the defence of the Colonies is intended to be secured as just stated. For the carrying out of this Naval protection in the varions Colonies and possessions, certain facilities for Docking, Coaling and refitting are needed by which the fleet is kept in a state of efficiency. This leads to the establishment of various places of strategic value of ip position as Naval and coaling Stations; and the instintive grouping of the various possessions around these points for defence naturally follows. I will give what seems to my mind this grouping for Naval defence, and call attention to the natural lines of comminications in connection with them.

The Groups of the Great British Empire may be named as

fallows,

- I The British Isles.
- 2 The Mediterranean and the Red Sea.
- 3- The Eastern portion of British America including the Great Lakes and Bermudas.

4 - The West Indies.

5 - The West Coast of Africa, with Ascension and St Helena.

6 - The Cape Colony, South Africa, and Mauritius.

7 - Australia and the South-west Pacific.

8- British Columbia and the North-east Pacific.

9 - North-west Pacific, Hong kong and Maracca.

IO - India.

The principal lines of communication are

Ist - To the Strait of Gibralta Thence through the Mediterrand nean to Malta, through the Suez Canal abor the Red Sea. This is the modern steam route for the East Indies and Australia and telegraphic communication paralells it throughout. Lisbon being the only foreign break in the English control of the Cable huit -

The 2nd line of communication is across the North Atlantic Ocean to the North American British possessions and Bermuda. St John's in Newfoundland is only 1910 miles from the great Naval Dock -yard of Plymouth England. This line of communication is is is is hardly necessary to state also paralelled throughout by Cabledding-

The 3rd line of commu nication is across the North Atlantic fromi. the Home Country to the West Indies. The West Indies is reached

by telegraph from England by two routes, one via Madeira and Brazil, one Accurdant and the other by the way of the United States. It is in contemp plation to extend the Bormuda line to the English West Indies in which cese this line mainly for Military purposes would be entirely within English jurisdiction. The Account is entirely Within English jurisdiction. The Account is entirely

The 4th great line of communication is southward along and off the West coast of Africa by Severa Leone to Cape Colony and then eastward to the Indian Ocean and Australia. There is a telgraphicel Cable line to the Cafe landing at various points on the dome African coast not English. Ascension and St Helena are not in telegraphic communication with England, The Cable to Australia follows the Steamer route by the way of the Suez Canal. Mauritius has now also Cable communication.

The 5th great line of communication is from the Red Sea across the Indian Ocean to India, Ceylon, Singapore, and Hong Kong with a duringuy route from Ceylon to Australia. There are several lines and routes of telegraph communication reacking India and the Morrow Orant.

The 6th line of communication is that furnished after the completion of the Canadian Pacific R.R. by a continuation of the route to Halifax and the St Lawrence across the Dominion of Canada to Vancouver on Burrard Inlet, and from there across the Pacific to China and the East Indies a route which makes with the Suez Canal route three routes for men and mails to the East and Australia.

The telegraph follows this route only as far as Vancouver and Es- *West by the bacques bace* quimalt though a telegraph and Steamer continuations are contemplated

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Chuna both to Australia and New Zealand, And a Cable to Australia 's and Let us now return to the island which contains within iy and its limits England, Scotland and Wales which is the great source of the Sea power of the British Empire, the place where its Navy is created, fitted out and supplied, and the general base for all of its operations.

The fleet of England is constructed at home in the private Ship-building establishments of England and Scotland and from the Naval Dockyards of England and Wales. To these elements of Sea power which maintain their position and value alike in peace which maintain their position and value alike in peace which maintain their position and value alike in peace which maintain their position and value alike in peace and war can be added the Naval Arsenals, and in time of war great elements of strength are found in the fortified harbors and certain roadsteads so placed geographically to be of strategical importance

The three great Dockyards and Naval Arsenals of Great Britain are all in England and are in the order of importance as follows, <u>Portsmouth - Plymouth - and Chatham</u>. To these can be added the smaller Dockyards and Arsenals. <u>Sheerness</u>, practically an appendage of Chatham, <u>Pembroke</u> in Milford Haven, <u>Haulbowline</u> in Queenstown Harbor, and <u>Deptford</u>, a provisioning Yard near London.

In addition to the anchorages near by the Af-Dockyards which are naturally protected by fortifications there are Military harbors like Portland and Dover, the former available for a modern fleet, the latter a tidal harbor and open roadstead.

Portsmouth in the South of England is the most extensive

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and important Dockyard of Great Britain having been a Naval Station for nearly 700 years. Besides being the great Naval arsenal of England it is with Spithead, its outer harbor, the headquarters and principal rendezvous of the fleet.

Covering nearly 300 acres of land N contains extensive 100 Septers tidal and closed basins for fitting out and repair, filter excawith two wears that can be used as such vated Dry-docks, great facilities for the construction and repair of vessels and machinery, adequate and well distributed hoisting apparatus, and a net work of railway, connecting all parts of the Docks and basins with the railway systems of the United Kingdom in such a way that stores and material can be brought from any establishment or mine of Great Britain alongside a vessel under repair or construction. A coaling Station has been recently completed at this Yard which with a storage capacity for 50000 tons of coal has most extensive hydraudic facilities in the way of cranes and hoists for receiving and discharging coal both by land and water; each hoist alone loading at the rate of 500 tons an hour. These facilities however on account of the restricted space and depth of water are only available alongcide for Cruisers and comparitively small ironclads. Battle Ships have their coal brought alongside in light ers, bagged for convenient handling.

Besides an Ordnance Yard there are victualling gunnery, A and Torpedo Establishments at Portsmouth and ample Hospital and barrack accommodations.

Portsmouth has the disadvantage of being a tidal harbor

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there being a least depth of from I9 to 2I feet upon the inner bar at low water and from 23 to 26 feet on the outer bar at the same stage of tide with a rise and fall od tide averaging about 9 feet. 24 feet canbe taken alongside the Dock Yard front.

and This disadvantage requires the use of Spithead as a cusand place of final beckhim of threes tomary anchorage for vessels of great draught Spithead is more of a roadstead than harbor but its situation gives it great strategic value, to which is added

great extent of anchorage room, two entr trances and of course the great Dockyard.

The adjoining Estuaries of the Solent and Southampton Water, give continuous and practically unlimited anchorage space. Spithead is very well placed with respect to the English Channel, the Straits of Dover and the North Sea and it is but 70 miles from Cherbourg upon the opposite side. The central position of Spithead with its defences and resources make it the greatest Naval Station of the world and the great Naval fortress of England protecting all the home territory and waters of Great Britain.

At Plymouth or rather Devonport, is the second great Dock-Yard and Naval Arsenal of Great Britain. With it is incorporated the Steam factory and Yard at Keyham and the Royal William Victualling Yard. The situation of Plymouth in south-west England looks out towards the Atlantic Ocean and it bears a close relation as a w base of supplies and fefit for any operations covering and protecting ting the waters of St George' Channel, and the Irish Sea and coasts. It is the nearest English Naval Station to Brest in France which is distant about I26 miles.

Plymouth Sound and Harbor taken together form a fine body of water for large vessels. Depth of water and the security and the security of a harbor is found off the town and Dock-yard in the Hamoaze, the space though restricted is available at all tides while in the Sound is found extensive anchorage ground, protected by the great breakwater and accessible to the Sea.

The Dock-yard at Devonport with that at Keyham, contains accessible water frontage, several basins, there excavated Drydocks, large workshops, building slips, and ample facilities for repair and outfit. Like Portsmouth and Spithead, Plymouth Harbor and Sound are well protected by fortifications.

Chatham upon the River Medway in south-eastern England *Inv Titth Amalue them. Mymoralle* is the third great Dock-yard of Great Britain and unlike the others is situated at some little distance from the Sea upon a stream - the Webweywhich emplies into the great estuary known under the name of the River Thames Entrance at the historical and great readstead known as The Nore". The Medway from its position leads directly in rear of the country about London and requires Naval as well as other defences which at the same time cover the Chatham Dock-yard and to a less extent that of Sheerness at the mouth of the Medway.

Chatham and Sheerpess from their positions practically at the mouth of the Thames River are the sourcesfrom which the Naval defences and external protection of that river and London would draw supplies of men and material and resort for docking, repair, and

refit. Besides that exterior defence it has great importance and strategic value from its proximity to the innermend of the Strait of Dover and to the North Sea with its great Naval Harbors of Dunkirk in France, Antwerp in Belgium and Wilhelmishaven in Germany not to speak of the natural and artificial entrances to the Baltic waters.

Containing an area of 500 acres, only partially developed, with great water front due to the bend of the river, and placed Month at a distance of about eight miles from the shore upon a river so lined with worts and torpedo Stations as to be almost unassailable, and supplemented by Sheerness it is likely to be the greatest Naval Station of the Kingdom. The difficulties of the Navigation of the river are being rapidily remedied and the Thames presents unlimited anchorage ground. Adding the Ave Dry Docks at Sheerness and time at Chatham, can be added in time of war all of the great Docking and repairing facilities of the port of London. No dock-yard N' peleine that I know of has better hoisting facilities with cranes and sheers more than twenty five in number, ranging in hoisting capac-Lity from 5 to 250 tons in lifting capacity. Railways extend along the water front docks, and basins, connecting with the London, Chatham and Dover Railway outside of the walls.

The Yard at Sheerness 50 acres in extent is on an island at the mouth of the Medway and directly at the Little Nore, and its position though exposed is valuable.

Pembroke, a building yard at Milford Haven in Wales and

the Dock-yard at Haulbowline in Queenstown Harbor are of less value as Dock-yards though the harbors upon which they are placed are fortified and are Military harbors for refuge and strategic importance.

Milford Haven has a commanding situation with respect to St George's Channel and the Irish Sea, and besides being well placed towards the East coast of Ireland, covers the great port of Liverpool.

Queenstown with its two government, and several private Dry Docks, has also excellent public and private facilities for repairs to hulks and machinery, it is well fortified and could excellently serve to one end of a lone of patrols and scokts, the other end resting upon Milford Haven. It covers both coasts of Ireland and is the nearest Naval port in home territory to our shores and Halifax.

Besides the valuable Military and strategical harbors just mentioned at Spithead, Sheerness, Plymouth Sound, Milford Haven, and Queenstown, there is the strongly fortified coaling Station and harbor of refuge at Pottland, in Southern England, made secure by its great breakwater a mile and a half long. The coaling facilities and plant at the Dock-yard at Portsmouth are to be duplicated here. This harbor is nearly midway between Portsmouth and Plymouth is fifty-two miles from the Channel Islands, and but a little over sixty from Cherbourg. As a rendezvous, a coaling Station, and anchorage for a fleet watching the English Channel, the French coast the Strait of Dover and the great trade routes converging in the British waters, it is of the greatest importance as a strategic harbor for Great Britain.

Besides the harbors just mentioned there are roadsteads and anchorages, not fortified and more or less exposed to sea and wind whose positions make them of value to a sea going fleet fully equipped for sea and for fighting. These are the anchorages at the Downs, between Goodwin Sands and the main coast; at the mpuths of the Thames and the Humber; Yarm-outh Roads; and the Firth of Forth, on the eastern coast. In addition to these there are anchorages of value at Torbay, Falmouth, and Mounts Bay at Penzance on the South coast, Milford Haven, Luce Bay and the Forth of Clyde on tho West coast and Kingstown, Belfast Lought, Lought Foyle, Blacksod Bay, the mouth of the Shannon and Bebehaven in Bantry Bay on the coast of Ireland.

The British Isles being found secure and commanding with its fleet based upon its home ports with respect to the Baltic and the west face of Europe, let us now examine its position in the Mediterranean. At the entrance to this Sea which here has a width of I21/2 miles only is placed Gibraltar. Its value in the past we all know, arising not from its command of the Strait, but from its value as a base, refuge and place of refit for the Naval forces that did command the Strait. To that harbor of refuge the and forces upon the strait of the Strait with its 2000 guns gaves security and defence.

for coaling, both for the Naval and Marcantile marine. More than are. 1000 tons of coal a day is handled at this port throughout the year

Its convenient distance from England upon one side, and Malta upon the other (about I000 miles each) gives it peculiar value in that respect. Of late years the question of the tenability of the habbor and anchorage under fire from the Spanish territory has been much discussed. It is claimed that modern ordnance from Algestrat and the heights about San Roque in case of war with Spain will make the harbor insecure for vessels at anchor; this anchorage which alone gives value to Gibraltar and for which the fortifications exist. This problem can be solved in two ways. -Either by the occupation of the entire shore line and hills of Gibraltar Bay in case of war-by the English or by the acquisition of the Bay and country about Tangiers and its use for the same purpose that Gibraltar now fills with freedom from hostile domination and arbficial harbor and 30mg The bee Apparently England is looking towards the latter oven He Bay. at Gurallan look to a relention of development his docto Malta is the next stepping stone en-route to the Indies,

about mid-way between Gibraltar and the Suez Canal it is the most important possession of the English in the Mediterranean, both intrinsically of itself and from ots position in the sea. Malta however is linked in that co-operative way with the Navy which gives value alone to all insular and detached maritime positions.

It gives resources, strength and command to the Navy and mercantile marine but without Naval predominance and power it would be worth little in a strategic way.

Its position and local strength plus this power makes it one of the few great strongholds of the world. It is placed midway in the Mediterranean at a point between the Eastern and Western basins, in close proximity to the Strait of Messina, the Coast of Italy and the Adriatic. It possesses on either side of Valetta two fine harbors in one of which is an extensive Naval Establishment, the headquarters of the British Navy in the Mediterranean. Strongly fortified and garrisoned with four graving docks, shears of I60 tons capacity, and extensive repair shops it fills all the necessities that would arise in an ordinary war.

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Cyprus in the Levant well placed but not well fortified for when the shore of Egypt. It controls the Mediterranean terminus of any over land route to India by the way of the unlight the Euphrates and the Rersian Gulf and stands as a check to Russianif She Emerges from the Black Sea ghrough the Bosphorous and Dardanelles into the Mediterranean .

With the command of the Sea in the hands of the English Cyproce is of great service for operations against Egypt and the Grecian Archipelago/without the command of the Sea it would be of little use to anybody.

Egypt is garrisoned and occupied by English forces and is governed by Englishmen through the Khedive and his native ministry. In this way Great Britain commands both by land and Sea th the Suez Canal and the overland routes through Egypt to the Red Sea and the East. Port Said and Suez are the terminal points of the Canal but the Canal is really watched and guarded by external points like Cyprus and Alexandria on the Mediterranean and Aden and Perim at the southern entrance to the Red Sea. The control of the inner or any entrances and sections of the Canal means little if the outer doorways can be closed by hostile hands, so Great Britain maintains her control of the Canal mainly and normally from the outside.

Strategically covered then at both ends the long water defile which includes the Red Sea and the "anal is in time of war and peace an English Strait.

The English power upon the Mediterranean waters is now predominant not by the multiplicity or extent of its possessions or Coast line but by its Naval and commercial supremacy based as it is upon a few well chosen points and great tradet

France by its occupation of Algiers and Tunis, and by its Naval concentration at Toulon and recent extensive development at in Tunis Biserta and by its concentration steadily going on of Naval strengh in the Mediterranean seems disposed to contest with England the supremacy in this Sea. But less than four days steaming ought to forces bring the Channel Squadron to help the Mediterranean with suffibefind cient force left to mask the reduced French forces in Brest and Cherbourg. As to an alliance with Italy it may well be a question whether England would be wise to add to the imperative duties of defence and protection to her trade and communications, as well as to her food supply and her Colonies; the duties of an entangling alliance.

The examination made in other lectures of the strategic features of the West Indies and Caribbean Sea and the Pacific Ocean will disclose more in detail the strength of the English position and this I think necessary to make other reference than that already made of the bases upon which the Sea power of Great Britain rests in the East Indies, North America and the African Coasts. Let us then return to the home bases and examine the worked and unworked material resources held in readiness by England to maintain her Sea power and by means of the personnel to carry out her will.

England is rich in the raw materials of coal and iron, in ship-building and manufacturing resources, in ships, guns, and seamen. 1898 WWW 202 Mullims

The United Kingdom produced alone in 1995 over is millions about of tons of coal mere then one third of the world's supply. The United States is the only nation approaching Great Britain in this respect, her production in 1897 being over is millions of tons. (Chucku The output of pig ipon in Great Britain in 1891 amounted

to over 7 millions of tons, exceeded somewhat and only by the Unite States.

A depression now exists in Ship building but In 1990 the. themet 660 heady 100 exclusing your ships there were pourly 1190 vessels built in the United Kingdom repre-Way 1 there of pross / Midling 4 principal senting nearly 255,000 tons of shipping, the places in order of Clyde, hundrale ship-building importancebeing, the ports of the River True, the and ports of the River Clyde, Sunderland, Belfast, Liverpool and London

There are also the well known and mor manufacturies at Sheffield

The many of Guat Bulain by a particulation White baling und another of orners buck " building as formos Name This 70 to 16 7 ". amures annars : 3, 4 5-1 " Burled ~ - 116 to 21 % 15- te 6 %knowneder . Construpere versels amoned 13 to 20 % 35- to nome -108 10 20 1 15 10 30 1 15 10 30 1 Imudo bessels J. 13. Rehayers 2.13-

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1- Great Britain 2 - France 3 - Russia 4 - Germany 5 - Mucho Ratest 6 - Stag 2- Japan

+ they yours and the Ordnance factory at Elwick of Armstrong in addition to

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Woolwich.

twenty mine 11/1900 Lordi The British Navy consists of twohy battle ships of the 21 put class, H5 second class and 26 30 class Ist class, of 9500 tone and upwards, not more than ten years old, of annusis and 92 unperto boat destrigers are new and not less than 13 knots continuous Sea speed and carrying guns of built since 1889 and available by prage surce IO inches in calibre. Six of these are yet under construction.

There are twelve battle ships of the second class of 8500 tons and upwards, not more than 21 years old, and not less than II knots continuous Sea speed.

There are eleven battle ships of the third class of 6000 tons and upwards, not more than 27 years old, and not less than II knots continuous Sea speed.

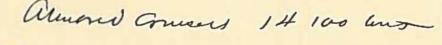
In addition to these 43 battle ships there are fifteen armored vessels of the fourth class that are for local or harbor defence and I9 armored cruisers, seven of them former broadsides ironclads to be fitted with modern machinery and armament. These armored cruisers have a tonnage ranging from 5390 to over 10780 tons. This makes 30 serviceable armored vessels some of which are upwards of 14000 tons in dispacement. I Which uny added others anthorized or 86- in all Of unarmored vessels Great Britain has the following in the Imperial Navy, either afloat or under construction. 109 Cruisers of all classes from I400 to 9000 tons. 21 Sloops from 925 to II70 tons. 47 Ist class torpedo Gunboats from 525 to 1070 tons.

21 2nd class Gunboats from 430 to 715 tons.

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The mobilesanine for last year com hunded on July 11th & was compliant the Murring day without the theftert Thete & writhing undrik diploting the leserves at the navne depits no men or " wen's that however to be at the trace male + leave the Miching, whiles teles

besides a number of gun vessels, surveying vessels, torpedo depot ships, torpedo rams, dispatch vessels, Yachts, transport and store ships, river gun boats and harbor and coastguard service vessels. or 235 unarmous outsels with all. Finally there are 170 torpedo boats offvarious classes ranging from II to I37 tons displacement. To realize the Naval creating Mand power of Neval Great Britain one must bear in mind that the Dealme fence Act of 1889 authorizing a number of vessels which, as has been said, would have converted at one stroke a State without a Navy into a 2nd class Naval power

This Act authorized the construction of 8-Ist class battle Ships, 2-2nd class battle Ships, 9-Ist class Cruisers, 29-2nd class Cruisers, 4-3rd class Cruisers and I8-Ist class torpedo gun-

boats, seventy vessels in all. In about the house of the about the

in the Navy reached 74100 in number, while the expenditure for all

of the Service amounts to a grand total of over 71 millions of dol Sei Chav. Dicke Says fore of cruscies is admitted on all like - We have delmost face Having thus reviewed the Sea power of Great Britain

founded upon a Commerce which reaches every part of the world, let us close by review the bearings of that Sea Bower towards the United States.

Originally English Colonies and of English origin, the trade trade and other relations between the United States and Great Britain have been from the first very close. At the same time there is no Nation in the world with whom we have had more controversy and towards whom at times there has been displayed more

Let we quate, from an atte work to be formed with the letrany by Mr. Those d. Hamis devoted withe bes areans of the heat attain. In Meaking 15 The Dis areans of the heat attain. In Meaking of one relations with Great Brhan, be cap There has probably never been a time, however brief, in the history of the United States when absolutely no cause of difference existed between the two nations. It the present date (1895) one hundred seven presidential messages reviewing the state of the ountry have been submitted to the American congress at the opening of its regular sessions. It is a significant fact that seventy-eight of these messages -- almost three-fourths of them -- have called the attention of congress to difficulties of more or less importance with Great Britain. To the seventy-eight messages of the latter class every president has contributed except Garfield, Taylor, and William Henry Harrison. Arning other matters talit

Since 1895, there has been the Venezuela affair, now in arbitration at Paris, and the affairs covered by the Anglo-American Commission headed by the late lamonted Lord Herschell which we have the Markon boundary droputer bitterness of spirit. The only Jwo great foreign wars we have had were with Great Britain and no matter how much greater cause we have had for complaint from other powers no fancied or real indigthe work work work work to be a second or the second of t

After all this has been said, however there is no country with whom we have closer relationship, greater congenialty and more identity in early history, in traditions, in religion, in tastes and lituatore and in language than with the British people.

The large emigration coming of late years from Germany, the Scandinagian countries, Italy, Hungary, and Russia, and the absorption of Latin Communities like those of Louisiana and New Mexico have not changed the Anglo-Saxon nature of the Republic nor *Alusticomplete* the universality of the common law and language.

And yet history cannot be lost sight of, brothers engage in war bitterly- as in our Civil War and cousins as in our Revolutionary War and that of 1812. We all believe in righteous war, none of us in unrighteous warfare, and I think I can say safely that the United States, made independent States by the Revolutionary War against Great Britain only became a coherent nationality entitled to respect after the war of 1812.

England is a great manufacturing and Commercial country. The United States is a great manufacturing country whose Commerce though very great is carried on almost entirely by Great Britain. It is stated by The Bureau of Statistics of the Treasury De partment that a approved uporto comparation of the values of the foreign Commerce (general imports and exports of merchandise) of the leading commermi1893 cial nations of the world, it is found that the United Kingdom of. While + 15000 er, the unter Great Britain and Insland stands first. Germany second Hates any Minnary are almost Equal that their United States third and France fourth in value of foreign commerce, including our imports and exports but not the combined values of he intransit" trade was \$4,377,357,615. In 1895 the foreign trade of igreat Britain vas nearly twice as much we the Bureau of Hough Commune hum of the unportor get parts of 51.13 not one have the words as 1897 but are heavy tering seaports of the United States during the year 1892 was over IG millions, of this tonnage 79 per ct was under a foreign flag.

Of all the countries of the world with which the United Kingdom does trade, the United States laads in exports to Great Britain and imports from the United Kingdom; the imports from the United States being over twice the amount exported to the United States, and twice the amount in value of the imports from any other country or colony.

In the same way only a much larger proportion our trade that we have with with Great Britain is the largest with any foreign country amounting in extent of exports to nearly fifty per contum for the British Isles alone. (The mention of this state of trade between qual is the bond how the two countries shows how much of a line existing between the two

countries.)

But no account of the Sea power of Great Britain would be complete without the mention of one weak point in the present condition of the British Isles which while binding her to this country and to her Colonies also compels her to keep her Sea power in the highest state of efficiency and in full strength, that is This above buto her inability to supply her own population with food. Queat Brothen in any great naval was primarily upon the defor Of the foodstuffs supplied to the inhabitants of the (55 heret) British Isles about one half comes from abroad. In round numbers Augustilly 185 millions of pounds is spent for this foreign supply nearly equal in amount to the War indemnity paid by France to Germany in 1871. Of this amount but 30 millions of ponds goes to the Colonies Of this foodstuff brought from abroad, The United States furnish rouche 27 per ct of the wheat, 75 per ct of the flour 60 per ct of the corn 66 per ct of the live oxen 90 per of the bacon and ham 87 per ct of the fresh beef Comoron Whealt 45 per ct of the cheese 26 per ct of the salt fish 80 Act of the prreserved meats and nearly all of the oatmest, lard and salt heaf.

It is not of ocurse impossible for Great Britain to se-

cure her supply of foodstuffs from elsewhere, wheat from India and Canada, Meats from Australia and New Zealand and the Continent of Europe, but the wrench and inconvenience that would result from the change is evident.

The exportations of the United States are to a preponde. but denunskin rating degree raw, and partially crude, materials while those from Great Britain are mainly manufactured articles. Thus to a great # extent one country supplements the other. This to an extent is changing and herein lies the prospects of antagonism in the future.

Great Britian is the great manufacturing country of the world and measuring her productions by the coal used per capita we find in I888 it was 4.53 tons per head, while that of the United States the same year was but 2.30 tons per capita. But the per-Jahrd cemtage of increase in this respect was an evidence of our growth of manufactures as ot was 420 per ct, while that of the United Kingdom was but 62 per ct. Makins like indeveduals are governed by their interests -

When the overproduction of this country is releaved by or has before free/commerce and lower prices, a rivalry will begin with Great Eritain for the markets of the world; a rivalry carried on upon which is that element free to all countries - the Sea - and where the skill, enterprise, and ingenuity of the American so successful upon land will in my estimation be equally successful upon the water. The leading manufactured articles of British export are cotton and woolen manufactures, manufactures of iron and steel, Machinery, wearing apparel, and silks and linens. These articles of manuface are products also of the under states Lunger Pro mainterment

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tures are not unknown to us and it is not unreasonable that with

an active rivalry wild begin and a commercial attack made upon the most vital interests of Great Britain.

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That the carrying trade of this <u>Commerce al Nation</u> will be be continued to be placed in the hands of a rival foreign country <u>Competition</u> I cannot believe and an active <u>civalry</u> in that respect can be also anticipated for the future. If there is not a virtual union of the *as an act hope* two great English speaking Nations of the world in store for us is <u>the future</u> there is I believe then to be a rivalry, competition and antagonism between them.

the United Hates

The English hold with respect to the Unoted States a Secgreat predominance in the waters that wash the shores would states the Atlantic and Gulf.

This predominance arises from the superiority of their Naval power based as it is upon a sufficient number of strategic naval points sufficiently fortified and provided with facilities. These points are Halifax near our north-eastern and New England frontier protecting the St Lawrence and the maritime Provincescand aggressive the norther Eastern towards that portion of the United States, Halifax is but 500 miles from New York, forty-two hours steaming by a fleet at I2 knots an hour will seal up New York for commercial uses and the producers + affortus + fautoluto Sland of grain in the West will then learn what relation they bear to a Navy. Halifax it is true is part of the Continent and is subject to a land attack, but though not insular, it is peninsular to such Mary an extent that it has insular conditions. A defente of usbalan,

Bermuda comes next about 600 miles from New York, nearly the same distance from the Capes of the Chesipeake, the entrance to so much that is of political, Navàl and commercial value to the United States

These strategic places cover the most valuable part of our Coast and Jamaica less than IOOO miles from the Missisipppi *Qubour uno West Jabran fuscessions*. also reaches Gelveston and its growing trade, (Es-quimalt reaches equally well our Pacific coast line.)

Nothing can relieve us from the toils of England when she chooses to weave them around us but a Naval fleet upon both coasts equal to what England can spare from the defence of her own tellonic her in the function of her in the shores, from traditional enemies; and for the protection of her in the and trade communications upon the Sea. That this portion of her from the sea in the sea of vessels our of the function of the sea of vessels our of the function of the sea of vessels our of the function of the sea of vessels our of the function of the sea of vessels our of the function of the sea of vessels our of the function of the sea of vessels our of the function of the sea of vessels our of the sea of the sea of the sea of the sea of vessels our of the function of the sea of the sea of the sea of vessels our of the sea of the