WAR AWAKENS U.S. NAVY TO IMPORTANCE OF AIRCRAFT

Extensive Plans Already in Progress for Development of Aviation Branch of the Service

tary weapons. The public has so accumtomed to their operaconnection with land forces that they are now regarded as comto be as much taken for as foot, horse and artillery.

is no indication however. realized the full possibilities of aircraft in connection with naval operabetween the two chief neval Powers at war. England and Gerapart by reason of the overwhelming superiority of the British fleet as re-

this country have satisfied American naval officers concerned with the deare destined to play a much more important part in connection with naval

A glider for testing aeroplane

engines and propellers.

the United States navy are now in

process of development toward an ob-

scope far surpasses anything yet

achieved by any of the forces at war.

Though the United States navy, like

the army, is notably deficient in the material and personnel of aviation.

there is reason to believe that the

theory of military aviation, particu-

larly in relation to naval operations, is

being more highly developed in this

The first objective of the navy in

building up an aviation corps which

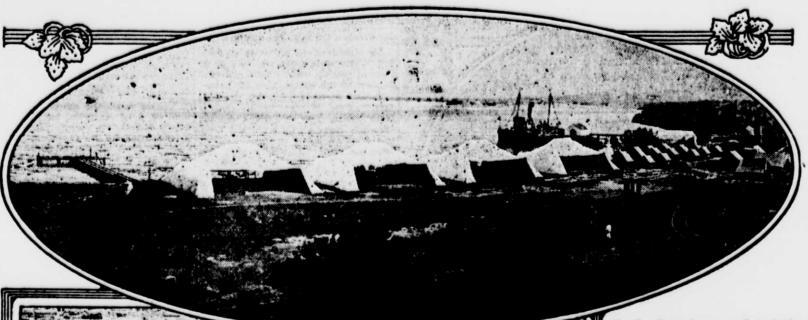
shall be capable of doing what Ameri

can officers demand is an aeroplane

country than in Europe.

the value of aircraft as mili-tary weapons. The public has And that is why Capt. Bristol is at present concentrating all his efforts upon securing the construction in this country of aeroplanes which shall fulfil the military requirements fore-

An order for aeroplanes distributed among American manufacturers recently marked a large advance in the type of aeroplanes built in America and it is confidently believed that under the inspiration of the Govern-This fact is probably due in ment's interest in the development of part to the peculiar situation exist- a more powerful and more efficient machine rapid improvement will be noted in aeroplane design. There is no doubt at the Navy Department that important work awaits the improved machine as soon as it can be de-



S. fleet base and aviation camp at Guantanamo Bay,

t is pointed out, was really more like or more of the enemy's warships. Only situation is taken care of American a land engagement, the allied ships at—when an enemy fleet is at anchor in ingenuity can do the rest.

Ultimate Objective Is to Put Country Far Ahead of Any European Power in Air Scouting

tacking not enemy vessels but shore a relatively small space do America

teries and signal the range to the at- nection with naval operations. tacking guns. Naval officers here are of the opinion that the Allies could naval aeronautics, under Capt have used their aeroplanes in some of tol, has worked out a rational so the ways indicated above, for the loca- for the use of aircraft in co out that had Admiral Sampson had at assigned to it. his disposal off Santiago the kind of air fleet which the navy's present plans somewhat larger measure of interes contemplate his problem would have in this work of development, so that been greatly simplified. The accompanying picture, taken by American manufacturer will find it worth his navy aviators at Vera Cruz last year, while to strive to attain the type of

off the Cuban coast in 1898. it is believed that a large squadron propriations the government contract of aircraft could, in flying over San- will fall short of what is required to the present war was by the allied fleet tiago harbor, have dropped bombs in bring about the perfection of afrerat in the bombardment of the Dardanelles such numbers that some of them design that is necessary. There is no ortifications. This operation, however, would have been sure to strike one doubt that once this phase of the

The aeroplanes were used with the against battleships as a practica fleet just as they are on land in France procedure, yet this was the use who and Belgium, to locate the enemy bat- was first proposed for aircraft in co

It is believed that the offition and attack of mines particularly. with fleet operations. It remains In connection with the use of naval however, to develop the type of an forces against land works it is pointed craft capable of the performance

Congress last winter shows what air scouts could have dis- machine called for. It is admitted covered in an hour had there been that about the only business to which any present with the American fleet the American manufacturer can look forward is government contracts, and Besides locating the Spanish fleet unless Congress provides adequate ap-

BUSINESS CHANCES IN THE **ARGENTINE**

through neglect and misrepresenta-

Once more the opportunity is open to us for making money in Argentina. It is up to us to improve this oppor-tunity. The first step is to understand the people—that we learn to trust them, serve them and love them. Until thirty or forty years ago the

population of Argentina was almost ntirely of Spanish stock. Then as to be need of laborers, some of whom came from Spain, but more from Italy. The latter have come from all parts of their country, but those from the north of Italy take to farm work, while those from the souther provinces stay in the towns, working about the railoads and wharves.

As in the States the best immigrants working men who are honest and very economical. Many of them come out for the harvesting weeks of December, January, February and March, returnin the Italian summer and autumn, which is six months later.

The ranch work of catching and lines. taming wild cattle and horses and then | Doubtless the Government of Argenof caring for the herds has developed a type of frontiersmen similar to the few people, and is not a democracy, Daniel Boones of our early history and as we understand the term. Argentina the cowboys of our Western plains, has seen many revolutions, and may The gaucho, as he is called, is still witness more in years to come. On depended upon to handle the animals. the other hand, as a student of inter-He is an expert horseman, never dis-mounting from his animal except at Buenos Ayres yesterday: also are said to be honest and sturdy killed in one of our revolutions as

the idea of European feudalism, and do not cost as much nor disturb in their interest payments they took as much land as they business as much as do your Presi. Ayres has an especially wanted, so that the country is one of dential elections." taught by their use others will be or- great estates, the average holding even Of course, Argentina is a young dered of a more advanced type.

It is the Department's plan that the The descendant of the South five square miles. South five square miles.

to other things.

For instance in addition to number-

show quickly the route to those who | European to discover Ric cannot read Spanish, the interior of in the year 1516. Sebastian Cabe the subway is numbered like the buildings in the streets above. This is a very simple but useful plan that could be easily adopted by New York, Philadelphia, Boston and other North American cities.

Although I have been too short a time in any of these countries to presume to form a personal judgment regarding their Governments, I have spoken decidedly as to the Governments of the other Latin American countries because I found opinion as to their instability so unanimous. Chile is the only country for whose Government I hear even one good word. Yet statistics suggest that one almost needs a moving picture ma-chine to photograph Chile's Ministry. Concerning Argentina, however, I find a great difference of opinion-which, by the way, is very encouraging.

The English, Germans and Spanish are the natives of northern Italy, hard in Argentina declare that the country's Government is very unstable and full of graft; yet certain of my own countrymen there tell a better story. Doubtless the Government is extravagant, I would rather buy good ing home to reap their own harvest and sometimes careless, from our point of view. But from their point of view, we are very extravagant along other

> tina is in the hands of comparatively "Not one-tenth as many people are

have been killed in your Colorado The rural population consists of two strike the past year. In fact, we feel classes, the rich landholders and the that our Government is more stable

other hand, I am sure that the lead- nicipal bonds. There is no doubt that Argentina ers in Argentina appreciate their

> I do not dare to say too much, as to study this country causes me to districts. believe in its Government as well as | Two men were discussing other Latin American countries and, opinions as they stood ju all things considered, is nearly on a par with our own, excepting in con-

nection with the integrity of the vote. Argentina is one of the five Ameran republics which have adopted the federal form of government, the others being the United States of America. the United States of Brazil, the United Mexican States and the United States of Venezuela. All the other republics of America have a unitary form of political organization than cross it."

unitary form of political organization. The Constitution of the Argentine nation dating from May 1, 1853, and ly. Then they withdraw finally sanctioned September 25, 1860. with some later amendations, is the one in force. It provides for the ersby. The limit had beusual three branches of governmentlegislative, executive and judicial. The legislative power lies in the National Congress, consisting of the Senate and Chamber of Deputies, the former with thirty, the latter with 120 mem-

Senators are elected by the Legislatures of the provinces (States) and in the Federal District by a special dred and sixty-eight body of electors; two from each prov ince and two from the Federal Distriet; their term is for nine years, it as though it were no one-third retiring-selection made by lot-every three years; there but others did and gav is a property qualification attached slightest heed. I win or to the Senatorship. Deputies are proposition by a narrow elected by direct popular vote, one for as a general proposition y every 33,000 inhabitants, for a term nearly right." of four years, the chamber being renewed by halves every two years

The President of the republic and the Vice-President are elected indirectly as in the United States of America, but for a term of six years, neither being eligible for an immediately succeeding term. The Vice-President is the presiding officer of the Senate. The President has a salary of \$31,600 gold. In his executive authority he is assisted by a Cabinet of eight Ministers.

appointed by him to form his Cabinet. These are: Minister of the Interior, Minister of Foreign Affairs, Minister of the Treasury, Minister of Justice tween cities so that going . and Public Instruction, Minister of War, Minister of Marine, Minister of discover in strange cities Agriculture, Minister of Public Works. hitherto unexpected. There is not so much that is romanand exciting about the history Mary Steele Harvey, polof this southern republic as was con- Baitimore, vice-presiden nected with the conquests of Pizarro giana Sherrot, policewon The Spanish navigator apolis, secretary, and Mis-

entered the river in 1525 and gave 2 the name it still retains. In 1586 Pedro de Mendoza founded the city of Buenos Ayres.

The Viceroyalty of La Plata (then including Argentina, Bolivia, Pare guay and Uruguay of to-day) was de-fined in 1776, its first Vicercy being Pedro de Zeballos, appointed in 1777 The Declaration of Independence by the people of Buenos Ayres was made on May 25, 1810, three great leaders in the movement being Gen. San Martin, Gen. Belgrano and Admira man, declared the independence of the "Provincias Unidas del Rio Plata" (United Provinces of the La Plata River). In 1860 the adopted the name by which it known, "La Nacion Argentina"

Argentine Nation).
The bonds of the Argentin should be safe as to prin interest. It is true that debt is large, but this is like of almost every country. corporation bonds, secured gages on United States p than the bonds of any nati cepting England or France

I feel that some day the a general reorganization ment securities and that a day comes the holders of must take some loss. Whe Argentina will be a part of I believe that Argentine bo ter than those of most n

For many bonds of South Am-Santiago, the capital of Chile which should be readjusted solidated at the earliest pos

BELIEVERS IN SIGNS.

S a rule New York people are very bidable. They obey all sorts and kinds of signs

times admirable trait with Broadway on Forty-second s said the people used discriminal said they did not. "Tell you what I'll do," said the

latter. "I'll draw a circle the sidewalk right here, w you a dollar that more t of the passers in wi cent.

The bet was on and the the circle, marking it bolding way and took up their w passing both ways and with the chalked circle. number on such a busy did not keep them waitin been completed the man w Yorkers credit for being turned to his compani "Guess I collect on th cle and went out of the crossing it, but the rest being some of them did not ap-

FIRST HEAD OF POLICEWOMEN

during the National Charities and Correct the new organization Mrs. Wells outlined a new police work. She urge women be mutually excognito they might be be

Juan de Solis, in search of a passage Cully, the policewoman at Partie.

to the Pacific Ocean, was the first Ohio, as treasurer,

The grand plan under which this initial work of design improvement is being done calls for making aircraft an integral part of fleet organization destroyers and submarines. This is velopment of aviation that aircraft where the American theory differs from what has been done in Europe during the war. There the aircraft have been treated as more or less of warfare than has yet been assigned incidental factors rather than as a the belligerents in the part of naval organization. The plans Warships, fort and harbor works at Vera Cruz as photographed

> by an air scout. scatter a deadly fire rather than a sin-

gle projectile. This problem is being approached by first determining the chief vulnerability of aircraft, and then working out a method of attack best calculated to strike at their in-

herent weaknesses. The development of the dirigible in the United States navy is even more backward than that of the aeroplane There is no uncertainty now about the uses to which either craft is to be put; night, and then sleeping near it. These but American manufacturers are unskilled in the design and construction people,

Bids have just been received at the Navy Department for the construction laborers. There seems to be no middle than yours. Certainly we have shown of two dirigibles of an experimental class like our American farmers. There seems to be no middle than youls. Certainly we have shown pared with municipal type, the first ever sought by either When the Argentine colonists came, a affairs. Our South American revolutions of the capital of the the army or the navy. A contract for century ago, they brought with them tions are practically bloodless: they these craft will be awarded soon, and the idea of European feudalism, and do not cost as much nor disturb structors have learned the lessons

navy and the manufacturer shall proceed hand in hand in the study of the design and use of both types of aircraft, and it is not doubted that eventually this cooperation will bring the desired results. When the dirigible has been realized it will be necessary retically it has one of the very best to eradicate them. to provide ships from which they can Governments in the world. There are operate with the fleet. It is the exseveral features of the Argentine Conseveral features of pectation that these floating dirigible stitution and methods which could be statistical work, and in its statistical hangars will also be the mother ships adopted with great advantage by the for aeroplanes as well, carrying sup-people of the United States. This applies and materials for their use and plies not only to government but also that the limited opportunity given me during business hours and in business

The most extensive use of aircraft

plane shall be capable of taking com- that when a capital engagement with ers of the home fleet will have a he ing to lead American aircraft manu- spread out over a fan shaped zone battleship or so with their torpedoes facturers to the construction of an covering hundreds of miles.

aeroplane with so powerful an engine as to permit of high speed and large course is to locate the enemy. With United States navy is seeking to instead of merely a possibility, and so were created; their secondary funcenemy alscraft which may attempt to craft sent out by the enemy. The kingdisher of naval warfare, aeroplane is to extend this function It is one of the paradoxes of the into the air, its first purpose being to marines can best be spotted, either evelspment of aviation that when the locate the enemy's ships and the sec-when running on the surface or subdevelopment of aviation that when the locate the enemy's ships and the secpoplane first appeared in the world ond to brush away enemy aircraft it was instantly bailed as an instru- seeking the home fleet.

fare, yet not for years was it as navy wants an aeroplane with a signed to its proper place in the art of radius of action of at least 300 miles. The conflict in Europe has this distance being selected because it demonstrated that aircraft have a is the average distance that a torpedo military value much greater than was boat destroyer can make in a night's suspected by military men generally, run in an attempt to locate and atyet it has also been proved that the tack with torpedoes the opposing fleet. aeroplane must take its place as an Thus the security of the main fighting auxiliary arm and must not be re- unit from secret attack at night will garded as changing in any way the be assured by such an adequate and submamnes, but also to invoke the aid basic rules or conditions of warfare. | efficient air fleet as the navy seeks to The opposing commanders in Europe create.

have found the air scout of immense It is proposed to equip the navy value in detecting the movements of aeroplane with wireless. the enemy. They have also found that enemy fleet once located the aircraft above or beneath the surface. The the net result of the use of aircraft may signal back its position. Long dirigible is slower than an aeroplane has been partly negative, in that their range wireless is not necessary for relatively equal employment by both this purpose, as it is assumed that sides has rendered impossible move- the destroyers will form an inner ments of large bodies of troops and protecting circle around the battle ments attacks in force. This, American officers declare, is air scouts can be relayed to the fleet. the great lessen of the war in relation It is impossible, of course, for an aeroto aircraft, proving that the aeroplane plane to make longitudinal determinais at most but an auxiliary which must tions of geographical position, but it be used only in accord with the same is believed that by setting out on principles that govern the use of given course and holding it the aircavalry or other mobile forces sent out craft can fix approximately the loca-in advance of the main contending tion of enemy warships in relation It proves, they declare, that to the home fleet.

the full advantage of aircraft will be The enemy fleet once found, it will gained only by that commander who then be the task of the commander has at his disposal an air force which in chief to manouve his feet into is not only able to take the air and a favorable position for attack. This scout but which can also drive from is likely to be preceded by a series the air the enemy's scout and pre- of operations to harass the enemy. vent him from obtaining the informa- Suppose, for the moment, that the mom he desires. In other words, under air scout has sighted enemy destroymodern conditions supremacy in the ers. It will then be the duty of the air is essential to complete success on destroyers attached to the home fleet iand and sea, and aircraft must hence- to rush to the position indicated by

developed by Capt. Bristol call for the to attack by night with torpedoes the ent tendencies are in the direction of repair. which can operate with the fleet. The presence of two or more aeroplanes on home fleet. Also, with the enemy desecond demand is that this aero-board each battleship of the fleet, so stroyers out of the way, the destroymand of the air, once it begins opera-the enemy is imminent an air fleet ter opportunity to close in on the tions. That is, the navy is now try-numbering scores of machines will enemy at night and try to pick off a

Preparing to launch a seaplane from a battleship.

There is still another use awaiting The first task of a battle fleet of the type of aeroplane which radius of action, so reliable as to make this as their primary function as aids velop for cooperation with the batt long sustained operations a probability to the fleet, torpedo boat destroyers fleet. American naval officers have come to regard the aircraft as the well armed that it can brush aside tion was the sweeping away of similar natural enemy of the submarine, the

It is an established fact that submerged, by observation from the air. it was instantly bailed as an instru-ment which would revolutionize war-Por this work the United States plane scout—and it is to be assumed that the next naval war will find sub marines accompanying the fleet even on long cruises-its position may b reported back and defensive and offensive operations against it under-

In this connection it is the plan not only to use destroyers against the of dirigibles. A dirigible once given the approximate location of a submarine may proceed to the place indicated and find it again, whether it is running but it has on the other hand a capacity for hovering ever a given spot which an aeroplane lacks.

Thus, American officers believe, the dirigible can be counted on to drop bombs upon submarines. It is believed that with a time fuse on these bombs insuring an explosion whether they had the underwater vessel or not, submarines can be destroyed, as they are in capable of withstanding an explosion in the water close to them. In inshore operations, aeroplanes and dirigible can cooperate in a similar way, it i. believed, to destroy an enemy mine

These operations require for their success of course an aeroplane flee with such fighting qualities that it can prevent enemy aircraft from attacking the dirigible while it is engaged in its bomb dropping. The whole plan of the use of aircraft with the United States navy is dependent upon the first factor, a speedy, powerful aeroplane, with ther than as mere messengers.

It is on this theory that the navy is more of these picked off the less able

To this end the navy is seeki

To this end the navy is seeking a

a gun which shall operate on the buckshot principle—a shell which shall in connection with fleet operations in ing the surface street cars, so as to in its people. Certainly it leads all

Tributes of French Poets to America

English Versions by Briggs Davenport

THESE and other poems form part of the contents of the artistic albums presented 1 by French citizens to the American nation through William G. Sharp, its Ambassador at Paris, in grateful recognition of the aid and sympathy which it has offered to France during the present war.

In vain the mighty waves divide; Thou on thy distant shores mightst know

The storm in all its fearful pride, Yet close thine eyes to others' woe.

HANDS ACROSS THE SEA.

But no! America would not Of our rude trial unheeding be; Her great heart shares our tragic lot; Her arms outstretch in sympathy.

Thanks, Sister, for this touch of hand; Thanks for thine aid in direst hours; The cock crows; the dawn is bland-To-morrow's joy be thine and ours! -Henri de Regnier of the French Academy.

"GOD AND LIBERTY." 'Tis toward your noble land that at this hour France turns her gaze with secret admiration Of that resplendent flag, symbolic flower-

When Franklin to Voltaire his young son brought, That in him he might bless the new idea Of human rule, the French sage, rapt in thought, Cried: "God and Liberty-earth's panacea!"

The blossomed glory of your matchless nation!

For ills political this remedy-Aye, brothers, 'tis the one solution. Thus shall endure your lighthouse of the Free, Thus time defy and revolution.

-Jean Bertheroy.

THE BREATH OF THE BEAST.

Oh, pray, New World, that Gallia Fair Whom the foul Beast, emergent from his lair. Would fain defile, may from that worse than death Escape. For the same infamous breath That would to France bring endless shame and blight

Bartholdi's Torch would widow of its light! -Theodore Botrel, songmaker to the armies.

> A NEW RESPLENDENT STAR. As ours, your flag's wide folds, Bestrewn with silvery stars. Red blending with the white In flash of dazzling bars, And with the blue of the sky,

Like the holiest of all veils, Prize of Sainte-Veronique, Which on the Christ's torn brow Took print of his sweat and blood.

A beauty has unique,

And so your flag, oh, dames, Brought hither o'er the flood, Has touched of France the face, Bruised as was that of the Lord, Yet noble and holy still Beneath the Vandal's sword!

Under the star-strewn folds

A radiant love is shed-Effulgence of your deeds, Like glories of the dead! And so it is we wish, When the flag returns with you, That a new resplendent star May shine in its stainless blue! -Robert de Montesquiou.

seking to develop its aviation opera- will the enemy be either to spy on or new type of anti-aircraft gun. Pres-

forth be regarded in the light of forces the report of the air scout and give

rather than as mere messengers.