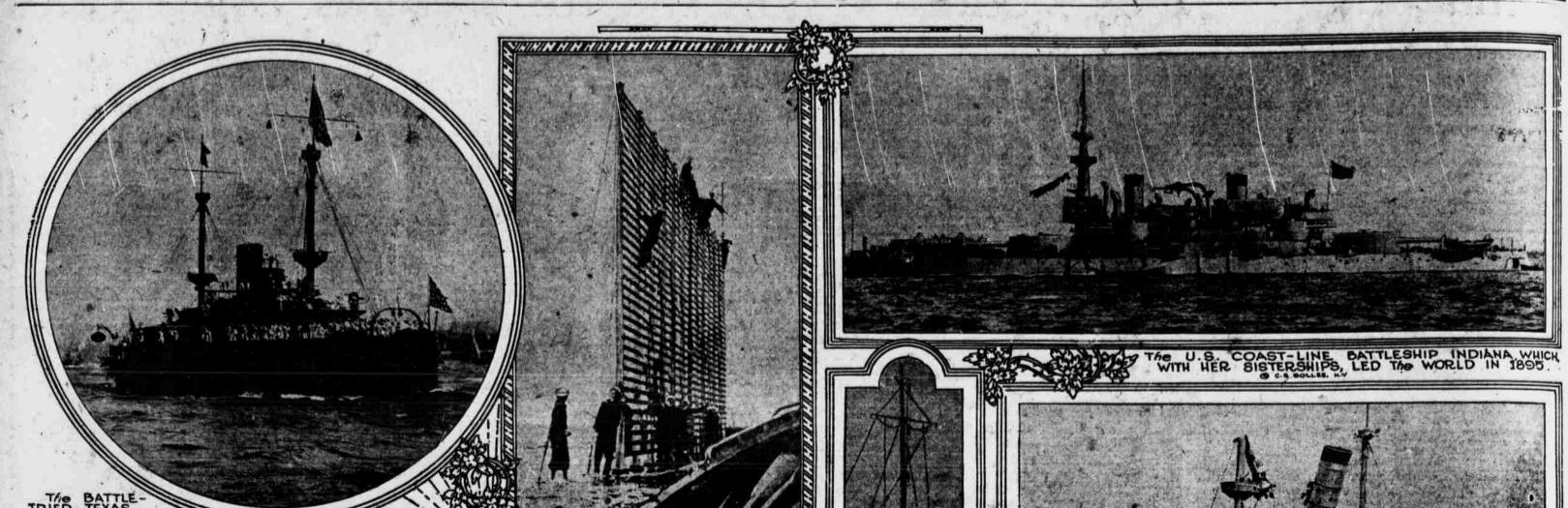
Navy's Pace Emphasized by Scrapping of Fleet's Erstwhile Giants



Interesting Bits of History Cling to Oregon and Others of Twelve Obsolete Battleships Slated for Retirement-Useful Purposes Which They Still May Serve

ER HER SPLENDID CUBAN WATERS IN 1898.

By ROBERT G. SKERRETT.

battleships, is evidence of the way in which our fighting fleet veloped in the course of twentyears. The elimination of these erstwhile giants of the first line of our seagoing defence revives interesting bits of the inner history of the up-

uilding of our modern armada. When we tackled the problem of planning the so called coastline battle-hips Indiana, Massachusetts and Orechallow entrances to many of our har-lors and the long stretches of the Athave to be guarded. At that time we the first Texas, the designs for which Department had to blaze its jing it. own way in this particular division of naval architecture. True, our experts had turned out gunboats, cruisers, &c., but the problems they presented were

When the Bureau of Construction and Repair revealed to the world the plans for those three battleships the Atlantic sat up and took a good deal batteries that far outweighed in their potential broadsides the concentrated fire that could be developed by any naval unit then built or building abroad. Some day the modest salaried draughtsman who bore the brunt of recognition, and the public will benor struction of Cervera's fleet at Santiage Indiana, Mussachusetts and Oregor set a fresh pace in battleship armaments and revived the practice of crowding our ships with a superior ized our memorable frigates of the

nine remaining battleship which the Navy Department intends to retire are the Iowa, Kearsarge, Kentucky, Illinois, Alabama, Wisconsin, Maine, Missouri and Ohio. The battleships had made them only a literately heavy seaway was concerned, that would be able to fire a destructive promising higher velocity and longer range without any sacrifice in destrucweight imposed by higher sides of the "tumble home," borrowed directly from the practice among French naval architects and, singularly, repeating a feature of the old frigate Constitution.

A Bit of Inside History. The Kearsarge and Kentucky, authan the Iowa-were designed after the battle of the Yalu, where the Japmainly by reason of its superiority in rapid fire guns. Therefore, the Kearsarge and Kentucky were given an unusual secondary armament of 5-inch quick firing rifles, and the main battery brought into prominence once more the 13-inch gun. Here is where brings to light the fact that these two vessels were made monuments to interbureau jealousies. They were sadfiled with defensive monstrosities in the shape of double deck turrets-8-inch guns being mounted upon each 13-inch turret and fixed rigidly so that all four of the guns had to be swung

province. As a result it planned the

CRAPPING twelve of our early | superimposed or double deck turret as rows, and before the fire of antagon-

consin were authorized in 1896, and to obtain slightly increa: xd speed, better sea keeping qualities and a higher Kearsarge and Kentucky certain seeming sacrifices were made. Among these was the abandonment of the 8-inch gun and placing the main re-

tween the principal guns of the main battery and the force of the large rapid fire pieces, having neither the pounding power of the first at long range ering attack of the latter at the shorter distances. Further, the 6-inch midable weapon, and fourteen of these were logically considered more desirable than an equal number of 5-inch rapid fire guns such as had been assigned to the two preceding ships, the Kearsarge and Kentucky.

All Outclassed To-day

Finally we come to the Maine, Missouri and Ohio, authorized in 1898. These ships were considered an ad-Wisconsin because by increasing their lengths twenty feet it was possible to raise the speed more than a knot. tle better than monitors, so far as Further, twelve inch guns of a newer pattern supplanted the thirteen inch guns ordered for the three earlier and the question was to provide in the craft. These twelve inch guns developed 20,000 foot tons more muzzle en ergy and permitted the stowage of a broadside and yet hold her own in greater number of rounds of ammuni-rough weather. To this end, 12-inch tion. It was in 1898 that Kruppized her predecessors—the smaller calibre thickness offered more protection than the hitherto accepted Harveyized steel. For that reason the sheltering walls of steel were made somewhat

> To-day, measured by the existing standards of speed, armor defence and powers of attack, none of this group of value in meeting a modern force of dreadnoughts or battle cruisers—they these officers and trained men aboard

Just what disposition is to be made sailors. we have a bit of inside history that of these old craft is not yet fully determined. As they stand they repreguns, by modifications and by general overhauling from time to time involv-Up to that time the Bureau of Con- they have called for an aggregate ex-

abolition of the latter. The double being craft peculiarly fitted to meet Kentucky were vigorously condemned the physical conditions imposed by the and, while a modified form was iman effort to improve and to justify the design suffered from serious inherent

13-inch rifles. The 8-inch gun had by that generously in the annihilation of the

guns supplanted the 13-inch rifles of armor came into being and for a given navy has renewed interest in the fam- Germany. Her slowness and her age bama, Illinois and Wisconsin

twelve battleships would be of any Spanish fleet, dreadnoughts or battle cruisers they would be outranged, outgunned and ship, which long ago outlived her useoutranged, outgunned and ship, which long ago outlived her usein commission some two years later.

At the time she was built the Oregon both technical and economic warrant for their retirement from the active Department by members of Oregons in the new American Navy, but she fleet. Their complements call for 858 Congressional delegation, and there is was one of the most formidable vestigned. jackets, a total personnel of 8,734, accepted and that the vessel will be We can make a much better use of kept in one of Oregon's harbors as a Horn and the tremendous amount of the typically up to date vessels of our the American fleet and the resource- with other ships that this feat brought

navy has made to get rid of the Oresent an original outlay of substan-tially \$64,500,000, and this sum has navy aroused a storm of disapproval been measurably increased during by suggesting that inasmuch as there within the last ten years. Her official their service by the installing of new was no longer any place for her as rating was only fifteen knots, and on were not sufficient saflors to spare to than sixteen. During the entire trip ing the addition of special equipment keep her in commission she might as from San Francisco to Key West, acstruction and Repair had designed the penditure of quite \$80,000,000. Certain battleships. But the Oregon was half knots, and most of the time she claimed that that was properly its that that was properly its scrapped in the literal sense of the United States because her famous race

turning her either into an inspiring nautical museum or employing her as motive power and other valuable tion of the canvas screen quite fails when hitting the steel at rather acute a recruiting base for men for the equipment, can be left a defensive to tell what the projectile would do if angles. Further it was recognized served us well, and step by step we naval reserve. Her armament, al-hulk which may play a potently help- it encountered the different parts of that a high explosive charge was es-have realized our defects and have though out of date in some particu-lars, could still be used to good pur-ciency of our dreadnoughts and super-pose in training the men of the fighting fleet's reserve force. She will over the task which for some years fire unless her protecting armor be stand with her giory undimmed for has been the function of the battle pierced and projectiles, charged with place until after the projectile had naval art of attack and defence decades to come and make a grip-ping appeal to the men whose duties original Texas. the erstwhile or high explosives, break their way through and into the vessel's very It was the grit, resourcefulness and the waterbed of Chesapeake Bay have a chance to blaze away at a real high explosive shells at that ship for less one, and it is essential that we self-forgetfulness of the engineering since she was assigned to the firing ship target under a one sided condition the first time more than one officer keep abreast if not shead of the gen-

reasons: First, because she offered devise for smashing through a potento the gun pointers the actual features tial foe's steel walled defences.

they can be put which would be of played their vital parts upon that and, next, it was possible to check up nance experts theorized and debated Some momentous occasion, and the State of later just what were the physical among themselves vigorously whether mitted to know about, but there were Massachusetts is so situated upon our effects of the attack. The ordinary a projectile at long range would or others which have been pretty well offered to the State after which she seaboard that she could do with her target is essentially nothing more than would not do certain things. Similarly guarded from common knowledge, is named, and it is more than likely namesake what Oregon is probably a means to developing accurate shootthey were not agreed as to the capacalthough it is doubtful if any foreign
that the authorities will accept hergoing to do with hers. The Indians, stripped of her guns, mined ranges, but the mere perfora- the armor and to effect penetration ignorance.

The San Marcos has been resting on vitals. department of the Oregon that sped range in those sheltered waters. She tion that pretty closely simulates the had reason to gasp with amazement, eral march of progress. Therefore, her from San Francisco down around is so battered up to-day that but circumstances of actual conflict. Not for the projectiles burst at various dis-

QUET BEFORE SHE LEFT THE WEST RUN AROUND, CAPE HORN TO SANTIAGO.

the tip of South America and thence little of her remains to serve as an only that, but our ordnance engineers northward at full tilt to Santiago, instructive mark for our gunners. must learn in this way just how effi-where she arrived in time to share. She was put to that service for two cient are the projectiles which they that the fuses were not functioning as

ing at a given mark and at predeter- ity of the shell to "bite" the face of naval attaches were kept long in detonator in the fuse would delay ac- has inspired invention and led to a

passed through the armor plate. fore the San Marcos and began firing tances between the muzzles of the designed. Likewise, when the shells The Indiana and the Massachusetts, of a ship upon which to bring their Before the San Marcos was placed records on the steel structure that under their gallant commanders, also pieces to bear, a stimulating thing, on the Chesapeake firing range ord-revealed many illuminating facts.

But on the contrary the Oregon's were in just about as good condition as eral years ago Rear Admiral Charles manded the Oregon on her famous trip, had this to say about the conduct of his men during the fight with the

While I was talking

We're doing allowe can just

our thirteen inch guns at five mileswhich was a long range in those days and kept it up until we had the

tion so that the burst would not take number of valuable advances in the does the target ship serve to enlighten

rest upon what the San Marcos has done for us. Military science is a restnewer and larger target

Battering away at the old San Marcos taught us much that was worth approach from the open ocean. For while, and by reason of her we reached very definite conclusions as to the army has proposed at intervals to imitations of the individual gun and create an artificial island midway bethe necessity of whole broadsides fired tween Cape Charles and Cape Henry simultaneously. Through our work at the entrance to Chesapeaks Bay. against the San Marcos we came to This has been urged because the water appreciate the real function of the gap at that point is a matter of quite salvo, and no one has brought this thirteen miles, and when the weather out more clearly than Admiral Frank is hazy or foggy it is impossible for Friday Fletcher. A while back when observers on shore to detect the move ppearing before the Committee on ments of snipping in midchannel Naval Affairs of the House of Repre-sentatives he said: "All this target practice has passed into what we may term a new phase, which has been brought about by long range firing.

"Heretofore we have considered that when a gun is well aimed at a bullseye it will strike the target because the error of the gun is so small that the field of operations for a fee would any target of reasonable size at a distance of a mile or two will catch all chances of his slipping by undetected well aimed shots. But we are now would be correspondingly diminished going to such long ranges that the gun It is practicable to substitute a perwill no longer hit the target; it will manently secured bottleship for not even hit a battleship at a distance man made island, and the of 18,000 or 20,000 yards, no matter water immediately north of the mail how well aimed or how carefully the channel is such that a large west ballistics are calculated. The way hits could be grounded there without reare made is by firing what we call a ducing her freeboard or height above salvo, i. e., the firing of all the guns the tide level. or a part of a battery at the same time. Due to the inherent defects of the not the only water approach along our gun and ballistics, we cannot count shores that might be guarded in this apon these four or five shots falling manner. To bring the subject directly within a space, at present, of much home to us here we should recall how less than 400 yards. That is, 400 feverishly the ordnance aut yards in the line of fire, not laterally, the army-after the situation for dispersion in that direction is so disclosed repeatedly for a small that it may be neglected. The years - stripped Forts Hand error I am speaking of is one of range. Wadsworth of their main and

100 yards and you straddle that target created for them at Rockaw with a salvo you will see that the where they could command probabilities or the chances of making a hit are about 25 per cent; so that beyond the reach of the Sandx the best we can do to-day at target batteries and well beyond the practice is to bunch the salvo of five or ten guns within a space of 200 or 400 much more effective subsection yards and then straddle the target Government might ground with that salvo and trust to the proba-bility of making hits. You will know battleships and place if all that you are straddling the target if where it could guard the wa one or two of these shots fall short, in question and likewise stand - sting

range at which you can fight a battle except that of visibility and the range f the gun. Of course the greater the distance the smaller the probability or According to Admiral Fletcher it

quite practicable to spot the fall o phere be clear at distances of fifteen guns singly this eminent expert said ively because the blast of a gun fills is necessary to fire all the guns we can away so that we can fire again. If we fire one at a time, you see, we will lose a great deal of time. If we can dree some of our shots each time with target, we are bound to make a certain percentage of hits if we fire large number of shots."

Hence the advantage of the salve and it is practicable to determine ex actly just what measure of damage each telling shot makes. the ordnance engineer, but it const Clearly, then, we cannot afford to tutes a compelling stimulating object lesson to the men behind the guns and their fellows at the telescopic sight

And there remains yet another serv ice which some of these obsolete bat the nation's advantage. That is it say, it is quite practicable to turn them into sea forts and to locate them at fixed positions off shore where the would effectually block a foe's surprise Therefore, batteries at either of the capes could not prevent a hostile force from passing in or out, as the case might be.

Battleship Might Serve.

Accordingly, by rearing an artificial be very measurably reduced and the

The entrance to the Chesapenke is "Now, if a target occupies a space of and transferred them to emp which is easily determined by the over the sea entrance to Ambroveniash which the projectile makes Channel.



that the Navy Department had offered in 1898, arriving in time to take her rine. place in the American battle fleet and

no doubt Mr. Roosevelt's offer will be sels affoat. monument to the fighting qualities of

There are several uses to which around Cape Horn and up the South giant warship which was launched re-

The Navy Department thereupon from bow to stern. the old battleship Oregon to the State offered her to the State of California of Oregon to be maintained for his- as a training ship for that State's by her race around South America to long to be maintained for his Naval Militia, and she was used in and up the coast to join the fleet, but they were when she left San Frantorical purposes without expense to the that capacity throughout the war with as a matter of fact her success in that ous old sea fighter that broke all barred her from active service either that she was a good boat, well de- and fighting ability of her crew car naval tradition and records by her overseas or as a harbor patrol boat on signed and solidly built, although she best be judged by the fact that when

The Oregon was designed by Lewis do valiant service in the sea fight off Nixon, one of the most famous of American officers aboard. They got Santiago with Admiral Cervera's American naval designers, who recently was appointed by Gov. Smith This plan for the disposal of the old was of the Indiana class, and her keel

Because of her race around the publicity and favorable comparison fulness and intrepidity of American her, she has always been regarded by Americans generally as a very fast vessel, although as a matter of fact she was much slower than many war her best trials she never did more Compared with the Tennessee, the

The Oregon gained undving fame feat was due not so much to the fact American naval crew and typical out of the boat the best that she had and because of their care of the bollvessel was kept in tiptop condition throughout the long voyage she was able to steam immediately into the battle line and make her fourteen knots in battle formation as easily as the other ships of the fleet which

had not undergone such a severe test. The Oregon was at Bremerton when received word to hasten around the continent and join the American fleet in Atlantic waters. War had not it was shown that armed conflict with Spain was but a few days away at the most. The old vessel sailed for San Francisco, and after coaling and putting aboard supplies, sailed from the California port on the morning of March 19, 1898. On the following May 26, more than two months later, she steamed into Key West, having covered 14,706.7 knots. The naval experts of the day were divided in are booming. opinion as to the value the Oregon would be to the fleet after making such a strenuous voyage. Many of them expressed the belief that the vessel would be practically worthless as a Colon

Franklin D. Roosevelt, Assis. to every schoolboy, and the plan of the Oregon is hardly more than a toy condition and with her boilers in bad tant, Secretary of the Navy, effectually squelched.

The Navy Department was quickly and effectually squelched.

The Oregon is hardly more than a toy condition and with her crew in anything the Tennessee measures 624 thing but fighting shape.

bollers when she arrived off Key West race from San Francisco to Key West the Atlantic coast. She would have had been in commission but two years the Spanish fleet had been scattered the sand was practically new, as it and were being pursued by the American the Spanish fleet had been scattered was to the fact that she had a typical can vessels the Oregon steamed ahead of some of the other and supposedly better ships, and finally ran down and sank the Colon, a Spanish cruiser of than the Oregon. In an interview which was published in THE SUN sev-E. Clark, who as a naval captain com-

chasing the Colon down the coast, all the other Spanish ships having been run in, we stopped firing until we with the ordnance officers as to whether we should strain our guns by opening up at long range the chief

"'Captain, can't you fire another now, but I think we could do a little more if the boys below could hear some shooting. There is nothing they

"And so we opened up again with