# TREMENDOUS POWER OF FLEET NOW OFF MEXICO

# Severe Trial of Big Guns Before They Are Mounted.

#### Continued from first page.

not more than one-eighth the length of a battleship, was riddled with shots fired at ranges varying from 14,000 to 9,000 yards. There are 1,760 yards to a mile, so that the range at which the battleships practised was from 8.7 miles to about 5 miles. It was estimated that 90 per cent of hits were made. Of course, when it comes to a battle it is only the hits that count. But there is practically no solace in this remark.

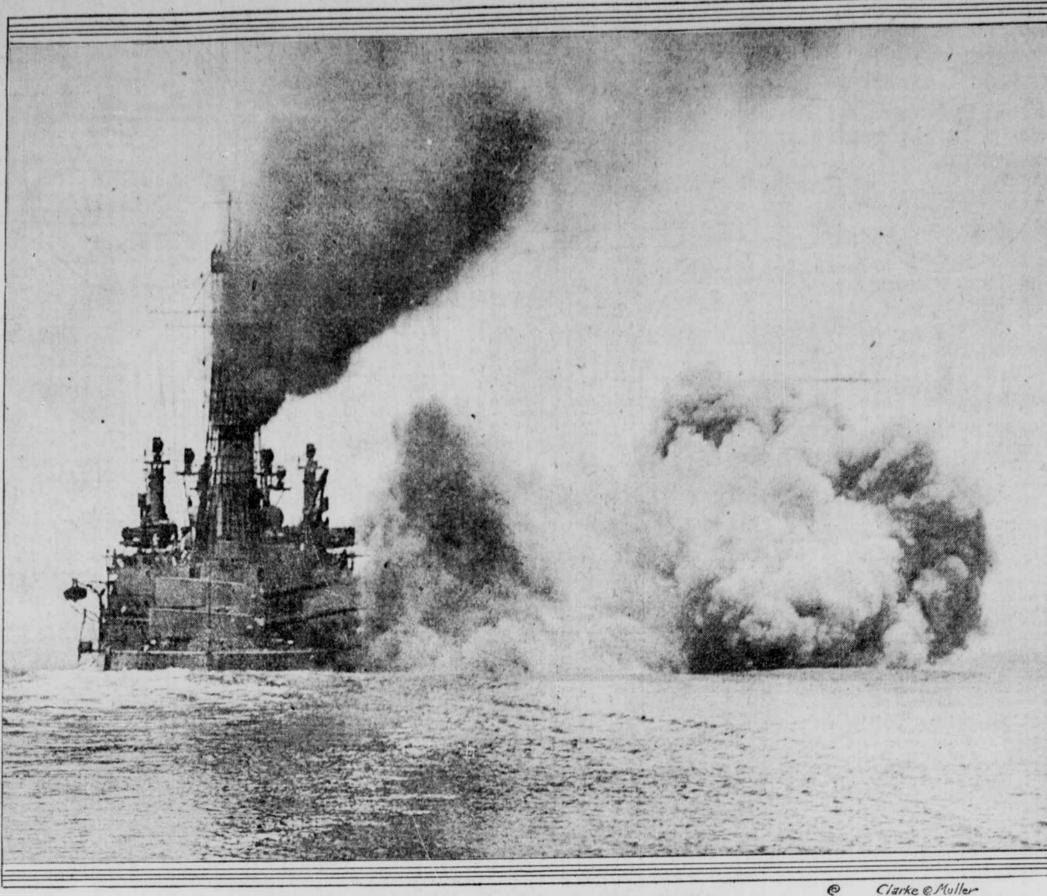
"This means," says one writer, referring to 90 per cent of hits, "that four battleships lying off the Battery could select a building of 60 feet frontage in 135th st, and fairly riddle it with holes in twenty minutes-or the time necessary to enable Huerta to make up his mind a new way twenty times. Or, to put it another way, a division of four battleships, selecting the Singer Building as their target, could begin firing off Fort Tompkins, and before they reached the Narrows could reduce it to powder.

It was a marvellous demonstration of the accuracy of modern gunnery, so marvellous that the bald assertion will probably tax the credulity of many people who will have to attend a battle and see for themselves before they will realize the terrible efficiency of the American navy

#### GUNNERS MUST DETERMINE THEIR OWN RANGE.

Also, it should be remembered, the target, towed by a battleship, was in constant motion on an unknown and varying course and at an unknown and varying speed, while the battleships, from which the firing was done, were moving at high speed and were comyelled to determine the range for themselves and without any knowledge of the distance save that after steaming for thirty-iwo minutes away from the targets they were to turn and steam slightly toward them and to fire wheneven the word of command was given. The towing vessels in each in-

stance," continues this observer, "towed the targets with a hawser only 400 ards long. And there was no anxiety regarding the safety of the towing vessel. The first shot from the Georgia. fell perhaps 100 yards short, but the second brought a cheer. It plunged directly through the target, leaving a great rent in the canvas, and this at 14,000 yards. One after another they came, never wide of the mark, many of them through it.



### SOUTH CAROLINA FIRING A BROADSIDE

"Had Cervera's fleet faced a fire even wrought terrible have to any vessel where they would do the most damage In target practice all the rules aim gun, such as those which poke their. Of course, in target practice, broad- the button. approximating in deadly accuracy that they had struck there, just at the in time of war.

great holes could be counted with the North Dakota, the Delaware and the destroyed by one battleship at a disglass, while flying splinters told of Michigan, participated not long ago in tance of more than six land miles. A particular practice. burning contest for su- target at that distance is a mere speck

at the reproduction of the conditions of shining black muzzles out of the tur- sides are seldom fired, but, neverthe- most carefully observed. The officers do not discuss the actual battle, and every effort is put rets of the Dreadnoughts, will stand less, between \$3,000,000 and \$4,000,000 over and over again, for each gu fleet at target practice, the battle of Twenty of our greatest battleships, records for publication, but there are forth to accomplish this end. Some the pressure to which they are sub- yearly is spent by the government just large and small, is fired at least five Santiago would not have lasted half as headed by the Connecticut, including rumors that some very gratifying ones In twenty minutes the screens the Dreadnoughts Florida and Utah were made. It is reported, for instance, each officer whose post requires an ad- their life is somewhere between 100 ners. It costs about \$800 for powder der until the maximum chamber press were reduced to sizves. In one, nine and other of our big ships, such as the that a target about 30 by 60 feet was vance knowledge of the work to be and 200 shots. Up to date no one has and shell when a single 12-inch gun is ure is one and one-fourth times that

Impenetrable Crust of Steel Blocks Mexican Ports.

scene of action. One man opens the breach and the shell man grasps the projectile and quickly rams it home. Then the powder charge goes in, and in a flash the breech is closed and locked and the order to fire is given.

The great gun emits a deafening roar and a sheet of flame. It recoils with the shock but instantly recovers, and the smoke begrimed men in the turret watch the black speck of the projectile as it skims over the water at the rate of something like thirty miles a minute. The pointer looks anxiously to see the result of his work, and his mates are almost as interested, for the repatation of the whole crew is at stake, and, furthermore, if their percentage is the best on the ship, or in the fleet, they get the trophy, which, while not amounting to a great deal, means con-

siderable to a sallor. Things have changed some since Paul Jones died. In his day, when call to battle came, the order was given to buckle on cutlasses to keep the enemy from climbing over the side of the setsel. In the next naval battle a gummer will buckle to his head and breast the telephone receiver through which he will hear from the man aloft how to train his monster gun so as to sink a vessel ten, twelve and perhaps fifteen mlles away.

#### SEVERE TEST MADE ON BIG GUNS.

Few persons realize just how great a test the big guns which go to make up the equipment of our battleships must undergo before they earn the right to Uncle Sam's firing line. These tests are made at the nuval proving grounds at Indian Head. Md., a secluded spot on the banks of the Potomae Rive about 25 miles from Washington, Here the government owns 1.200 acres a land, and almost every day a blood. less battle between guns and armor is

The place is absitors, and on

the battery, the given as

smokeless powder to send a 12-inch This is followed by the elevation This book is considered to be a confi- The rule is that no practice except shell from the mouth of a cannon. A and getting it pointed on a fixed ma may be done 12-inch gun can shoot twelve miles after which it is fired over the n

# OUR FIRST WAR WITH MEXICO

PERSON.

MEXICO CITY.

deed of irredeemable iniquity.

that

On Fame's ciernal camping ground Their silent tents are spread.

The bivouac of the dead.

quently lauded or more scathingly de- ending with the f. of the city. nounced than that of now nearly sev- It had been supposed that after one Santa Anna made his next stand at enty years ago.

obtain redress for a long series of brought-by the United States from his grievances. So, after annexing that exile in Cuba and turned loose in Mex- MEXICANS LOST EIGHT GEN-State of Texas which Americans had ico in the hope that he would be our wrested from Mexico, after full warn- ally. Instead, he took the lead against ing that our doing so would be regard- us. So more extended plans for ininto that very frontier strip the owner- seen to be necessary. ship of which was in dispute between THEN SCOTT TOOK COMMAND IN Mexico and Texas.

## ALL FOR WAR.

Taylor was sent thither to Corpus Christi, ostensibly to protect Texas the City of Mexico itself. from Mexican invasion. Then John Scott sailed from New York on No- ex-Presidents. Slidell was sent to Mexico City to ne- vember 30, 1846, for New Orleans, An armistice and negotiations for gotiate a peaceful settlement of differ- thence to proceed to Vera Cruz. He peace followed this sanguinary strugences. But Mexico at that time, as had at his command a fleet of 163 ves- gle, but without effect, and hostilities usually for most of a century, was in sels as transports, which made their were renewed on September 7. The the throes of a revolution, and Slidell's rendezvous at Lobos Island, 125 miles battles of Molino del Rey and Chapulmission was delayed until, by the grace from Santa Cruz, and from that point tepec followed on September 8 and 12 of the army, Herrera could be turned early in March following the advance respectively, resulting in American ican waters was not intended as a boiling water in a minute, and, out and Paredes could be put in as was begun. On March 9 the whole victories, and on the morning of Sep- celebration of the centenary of the con- mechanism, brandishes 300 cutlasses President. The latter was far more fleet was off Vera Cruz, and landing tember 14 the bombardment of the City struction of the first steam war vessel, with the utmost regularity over President. The latter was far more bellicose than the former, and Slideil was at once essayed. The place chosen of Mexico was about to begin. But at but it chances to have occurred in the of Mexico was about to begin. But at abandoned the mission as hopeless. was the beach due west of the Island of dawn a white flag appeared on the year that marks the hundredth anni- darting them from her sides with pro-Then Taylor began pushing toward the Sacrificios. Sixty-seven surfboats were fortress. Messengers came out to sue versary of this event. A hundred years digious force Rlo Grande.

army of 12,000 men was ashore. The Rio Grande was reached on March 20, 1846, General Worth leading fighting, began the next day, and the of the Montezumas." moros, in the northeastern corner of defence. But the American lines drew Mexicans showed themselves mighty in the State of Tamaulipas. For some nearer and nearer to the city walls, and other without hostilities. On April 10 on March 26, 1847, a flag of truce was the first blood was shed, when an On March 29 the Americans took possession of the conquered city. killed by Mexican stragglers. Two

Taylor to withdraw his entire force be-

yond the Nueces River or fight. Tay-There Scott established his base of became President of the Confederate in an Edinburgh paper in 1815: lor refused, declaring that his inten- operations, and prepared to fight his States. General Worth died soon after for refused, declaring that his inten-tions were peaceful and that the re-sponsibility of war would rest with that side which fired the first gun. April 8, and proceeded with little de- memory.

"F Z fer war. I call it murder," de- President Paredes finally declared, on lay until the mountain pa political literature and which pilloried occurred the battle of Palo Alto, or progress. The Americans arrived there tain. the first Mexican war for all time 28 a Tall Timber, followed immediately by on April 14, and on April 17 and 18 the It is not known how long a 12-inch an eye for a single broadside.

that of Resaca de la Parma, in both battle was fought. The struggle was On the other hand an immortal lyric of which the Mexicans were beaten. desperate, and it involved mountain tells of those who fought in that war Then Taylor crossed the Rio Grande climbing almost resembling that on in force on May 18, and the invasion of Lookout Mountin in the Civil War, but Mexico was fairly begun. But progress it resulted in the complete defeat of the was slow, and it was not until Sep- Mexicans. Five generals and 3,000 And Glory guards, with solemn round, tember 19 that Monterey, the capital of other officers and men were taken as the State of New Leon, was reached. prisoners, together with spoils so vast Never was a war, then, more elo- There two days of fighting ensued, as to cause embarrassment in their disposal.

or two sharp reverses the Mexicans Puebla, but soon abandoned it and re-It began with a suggestive likeness would admit themselves beaten and tired to Mexico itself, and on May 15 to some present day pretensions with would sue for peace. But there was Scott occupied Puebla without a strugrespect to Mexico. We were sending no sign that such would be the case, scott occupied Puebla without a struga military force to the frontier, bat On the contrary, the progress of the be made for reinforcements and reorwith "entirely peaceful intent." We invaders seemed only to unify the Mex-might invade the country, but we had icans and to make them more resolute until August that the advance was not to thought of waging war. All we in their resistance. Santa Anna, the sumed. By the middle of that month sought was to keep the peace and to Mexican military chieftain, had been the army lay before the City of Mexica.

# ERALS AT ONCE.

Some days were spent in manœuvres -d as cause for war, we sent an army vasion had to be devised, and the prac- and preparations for a decisive strugnot only to the Mexican frontier but tical conquest of the whole country was gle, and then, on August 20, the batfought; perhaps the most stubbornly contested of the whole war. They resulted in complete victory for the MEXICO'S NEW PRESIDENT WAS So General Scott, the commander in Americans, but at the cost of 1.053

chief of the American army, was sent killed and wounded. The Mexicans it was on July 30, 1845, that General thither to conduct operations against lost about 4.000 killed and wounded Vera Cruz and thence to march against and 3,000 prisoners, the latter including eight generals, of whom two were

the city. And by breakfast time the viously in March authorized the con- In the language of Dominie Samp-

achievements. Scott was commander craft. days later a Mexican general ordered FOUGHT HIS WAY TO WALLS OF in chief of the army. Franklin Pierce Its awe-inspiring strength is illus-

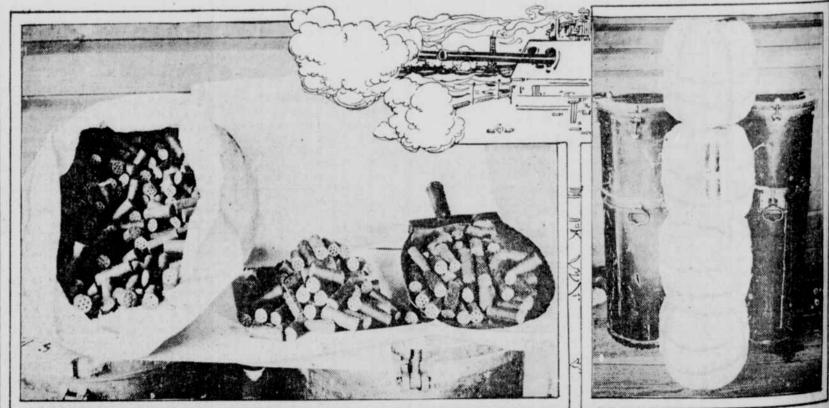
which are not to be revealed to persons with the big guns. Even at target with effect. It is 53 feet long, weighs range, and the officers note the pla outside the service. The first page is practice they may be fired only eigh- 63 tons and throws a projectile weigh- where the shells fall. Nothing is left perforated and bears a number corre- teen times through the entire practice ing 1,400 pounds.

sponding to that on the book itself, period. At the end of two years they TO SHOOT A 14-INCH GUN COSTS equipping of our gallant sallors with The recipient signs a receipt on this are relined, and in this way get a new

of Cerro page, and it is torn out and retained lease of life. clared "Hosea Biglow," in that April 22, that war existed, and a few Gordo was reached, where Santa Anna by the Navy Department. This book. Target practice with the great 12marvellous series of satires days later fighting began around Mat- and his whole army lay entrenched therefore, is held under a signed agree- inch guns is expensive. At the word ret. Each member of the gun crew is will be representatives of all nations and invectives which marked an era in amoros. On the afternoon of May S among the hills to dispute their further ment not to reveal what its pages con- "Fire!" from the gun officer \$50,000 is stripped to the waist, tense, expectant. War is a science. We are ready to

APPROXIMATELY \$1.000.

The tableau is transformed into a with care.



PART OF A CHARGE OF SMOKELESS POWDER.

#### AGOSTEAM WARSHIP

F course, the visit of an Ameri- which are 100-pounders; quarter deck while the engine, 120-horsepower, was more formidable to an enemy than and compared and forecastle guns 42-pounders, and to be formed as a second to be biller to inventee be biller to inventee be biller to be O can armada of modern battle-ships with shotied guns to Mex-to beard can algobia and forecastle guns 42-pounders, and farther, to annoy an enemy attempting to hear discharge the call of the other.

and used, and in a few hours the whole for peace and to offer the surrender of ago this month, Congress having pre- same every quarter of a minute.

The siege, with almost incessant American army was within the "halls struction by Fulton of a steam frigate, son, "Pro-di-gious."

The Mexican war was noteworthy for make the new type of fighting machine the creation depicted in the awe-inthe number of officers who served in it a reality. Compared with the host of spired language of the credulous paper: who afterward attained distinction, es- successors which slipped away from pecially in the Civil War. General our Atlantic ports a few days ago, it Taylor became President of the United was an insignificant thing, but on the length for vessels of that day, it was to are so thick as to be impenetrable to

wood; carries forty-four guns, four of boiler was to be in one of the hulls, bors, bays and sounds, be rendered wounded nineteen persons.

by plans and model in November, 1813. If scared New Yorkers doubted Ful her ton's ability, it was further bolstered In due course the Demologos up by communications from a number completed. She was armed with car of noted naval officers, including Ste-ohen Decatus and Olis of the state of the s withdrawing the phen Decatur and Oliver H. Perry.

ate was couched in these words-a Hook, covering 55 miles at 6 miles at a speed of 6.36 miles at the first steps were being taken to make the new type of fighting machine. But oh, what a difference between printed copy of which was recently an hour. On another occasion, carry

ern dirt scow; therefore, instead of a

kind of engine he hitherto And in such case she would be equi

ONE CHARGE FOR 14' GUN

over miry roads. On July 4, 1815 # The burden of their belief in the made a trial trip to the east of Sudd capacity of the proposed steam frig-ate was couched in these words, covering 53 miles in 8 hours drawing 11 feet, one foot more that

Scotchman and the reality! Instead of being 300 feet long, an immense in the design, she planed along at the rate of 5.5 miles an how a speed much in excess of Fullon

According to all accounts that " her last voyage. The war was gro She was tied up at the Brooklyn pays yard to serve as a receiving ship. Here she lay until June 4, 1829, when an explosion on board completely de stroyed her and killed twenty-five a

Taylor became President of the United States on the record of his military achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements. Scott was commander day of its birth it was a formidable achievements achieve achieve

Considering the speed which the applibecame President and Jefferson Davis became President of the Confederate in an Edinburgh paper in 1815: beam of 200 feet, the proposed width was to be 56 feet. Moreover, the bulwarks, instead of being 13 feet thick, move only four miles an hour, she stances which are always to be gained

undone by the government in th the best weapons skill and science cas provide.