Feature Section Adbertiser.

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Oregon Versus Delaware

What Would Happen if Old and Modern Met

New York Herald

ds

store which somewhat disturbs the be-It looks like all luck to him.

or improvement in naval or inance. He officiency of the ships, but he secretly firing begins. wonders to himself whether the socalled advantages gained are not merely theoretical and non of actual value in time of war.

For the benefit of the landlubber let it be supposed that he is taken abourd the formidable Oregon, which starts out to sea in search of the battleship Delaware, which she wishes to destroy. The ship gets under steam with competent officers ready to constuct the battle and

to the Delaware. Meanwhile the small would be practically powerless to pun- could not hit the Delaware until she troadside is on its way. Her captain that, ish her enemy, and that the battle would got much closer, and even if they did finds it uscless to continue, but before but they would do practically no dam- he can give up another eight flashes

righted landlubber who looks at one Delaware, followed after a few seconds then at the other, sees little ap- by a thunderous roar and splashes of preciable difference and goes away with water hundreds of feet high, but several the opinion that one of the big fighting hundred yards short of the Oregon, show monsters is about as good as the next. where the shells strike, while one car If he were going to wager he would put roms off and strikes near the ship. The his money on the first ship that landed ships are now about six miles apart, and a shot with one of her monster guns. the thirteen-inch guns blast forth their armor-piercing shells with a concussion He takes little stock in the technical that shakes the ship fore and aft and navy talk about increased battle range would possibly break one's ear drums if some precantion were not taken, or hears from time to time that improve knock a man flat on his back if he did ments are being made, and he knows not stand right. But the observer has that the officers of the navy are spend been warned, so he has cotton in his ing their time trying to improve the ears and stands on tiptoes when the

are followed by several more damaging

and another thack enough armor to render your five range appears to be at least as fired at the target and had to calculate Then another small fire of no consequence. You did great as the range of the 12 inch 50 the range. If he got the range anya shot that will earry with any accuracy. Her mast is weakened and about to fall keep a shower of debras raining around caliber gun, and its striking force is where between 8,925 yards and 9,000 gans are naturally not ready. They the other, and, worse than all, another steel and woodwork, but we expected plades 1,300 pounds of high explosive, took his range below 8,925 or above

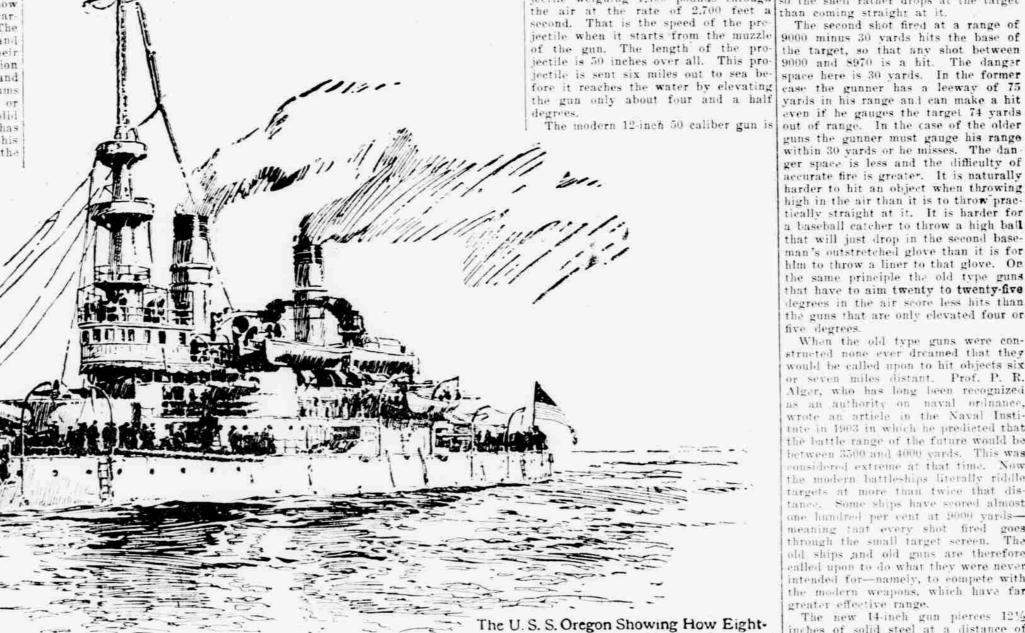
The New Mast.

"Of course we both got the range, the 14-inch projectile much greater, But the ships are drawing closer and crashes, while the flames leaping heaven. That's what we've been doing every

our decks and clipped off chunks of greater. When it does strike it ex- yards he would hit the target; if he i while the 12 inch shell explodes 850 9,000 yards he would miss. The seven-

closer, and the moment is near when the ward in the twilight remind the men on time we fired our guns, for several gun a projectile was fired at a steel tremes will score a hit. opinion among naval officers on this first shots are to be exchanged. There the Delaware of the gunnery record years, and if we can make nearly every plate of Krupp armor of 124, inches is a broadside flash observed from the made by the battleship Vermont, which shot go through a thirty foot screen it thickness. The projectile went right gun is fired at a range of 9,000 yards through it.

ficient charge of powder to hurl a projectile weighing 1,400 pounds through so the shell rather drops at the target



Inch Turrets Can Only Be Used on One Side of Ship.

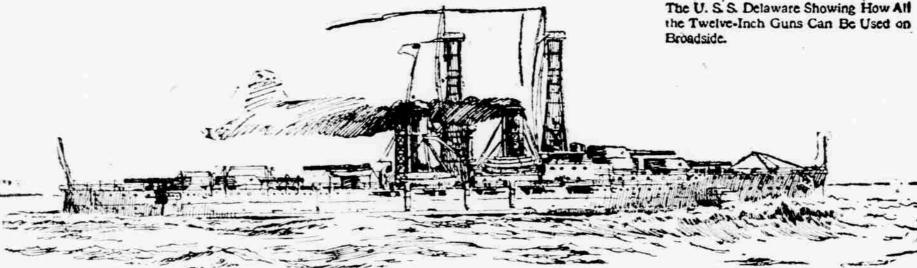
pounds, making the total damage of ty-five yards between these two figures To test the power of the new 14 inch that any range between the two ex-

If the old type 13 inch or 12 inch just clips the top of the target and This monster gun is fired with a suf- the shell falls thirty yards beyond. The old type gun has to be elevated more,

> The second shot fired at a range of 9000 minus 30 yards hits the base of the target, so that any shot between 9000 and 8970 is a hit. The danger space here is 30 yards. In the former case the gunner has a leeway of 75 even if he gauges the target 74 yards out of range. In the case of the older guns the gunner must gauge his range within 30 yards or he misses. The dan ger space is less and the difficulty of accurate fire is greater. It is naturally harder to hit an object when throwing high in the air than it is to throw practically straight at it. It is harder for a baseball catcher to throw a high ball that will just drop in the second baseman's outstretched glove than it is for him to throw a liner to that glove. Or the same principle the old type guns that have to aim twenty to twenty-five degrees in the air score less hits than the guns that are only elevated four or

structed none ever dreamed that they would be called upon to hit objects six or seven miles distant. Prof. P. R. Alger, who has long been recognized between 3500 and 4000 yards. This was one hundred per cent at 9000 vardsmeaning that every shot fired goes through the small target screen. The old ships and old guns are therefore called upon to do what they were never intended for-namely, to compete with the modern weapons, which have far greater effective range.

The new 14-inch gun pierces 121/2 inches of solid steel at a distance of 9000 yards. The 12-inch rifl. pierces 11 inches at the same distance; the oid



le grew of the Delaware. | course of the thirteen inch shells, which sea be strolls along the deck inspect-ing the thirteen-inch gans, finding four which appears to be shaping her course of them in pairs in turrets, one turret so as not to get too close. This live forward and one aft. He finds eight the shells pass over the Oregon and the eight inch guns, likewise in pairs in spray splashes up beyond. The thirteen-turets, two on each beam. There are inch and eight inch guns blaze forth-also four six-inch guns, forty calibers, from the deck of the Oregon, but only Which conveniently add to the ship's four of the eight-inch fire, as the other estructive force, and he finds besides I two turnets are on the other side of the that battleship, while six one pounders, shots has strack home. Two of the six-two talts and field goes add to the fing equipment. He is informed that

Here the local set of set of the set of the

mining toward the sky. The smallers more that her magnitines are unprotect you. That is because we have the new but attention is entured on the British instance a target there fear high and dure the shand in process.