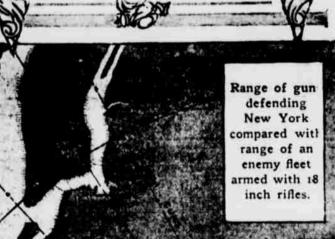


What would happen if New York were bombarded by dreadnoughts provided with latest weapons. No Longer Could We Hope to Escape Destruction Should Enemy Fleet Armed With Latest War Terror Break Our First Line of Defence

naval manouvres that have been held; the same sort for direct attack upon By ROBERT J. SKERRETT. By ROBERT J. SKERRETT. AIN fleet badly damaged. Surviving ships are mak-ing for port with the best cpred possible. The enemy outranged us. Sirall rendezvous at New York." How many New Yorkers realize what such a message would mean if Lodoubredk the faxy would render what such a message would mean if sent by the Admiral of our Atlantic foot?

be expecte d to hold out A year ago the defeat of our battle against a superior force, and particu- with the same high velocity as the not real squadrons would have meant grave larly when opposed by men that have naval guns of 12 inch bore, and theremenace to the metropolis. Yet possi- been seasoned by battle and have prof- fore they cannot break through thick by Manhattan would not have been ited by the lessons of actual conflict. armor at ranges above 6,000 yards. Therefore a European coalition against By thick armor is meant the heavy plating which shields the waterline. for so long as the enemy's dread- and the imaginary despatch with parts of the sides, the barbettes, turrets and conning tower of a modern dreadnought. This handicap the Chief of the Coast What can we count upon here about New York to hold an enemy at bay if Artillery Corps has pronounced to be our squadrons were outclassed, hadly more apparent than real, for the army damaged and forced to seek shelter beweapon is mounted upon terra firma hind the guns of our coast defences? and not on a rolling platform and has. Perhaps there should be no cause for besides, two other advantages. First, apprehension could one place unquali- the military range finding is more exed confidence in the opinions of some act than that possible aboard a ship officials. Early in the present year in a seaway which, at best, has only Brig.-Gen. Erasmus M. Weaver, chief a short base, say of a hundred feet Now, however, the prospect is even of the Coast Artillery Division, ap- or so between its masts, upon which peared before the Committee on Millto measure the angles which determine tary Affairs of the House of Representhe range of the visible target; and tatives. During that hearing Gen. second, the coast defence gun lies con-Weaver said: cealed until it rises momentarily to "The officers of the Coast Artillery that the British Government has al- Corps are not particularly alarmed by fire, and instantly afterward sinks below a parapet that is more or less effectually concealed by grass and shubbery from a hostile observer affoat. Therefore, by inference, it seems that a foe would have to come nearer been built or are very near of opinion in that matter, I think that recent occurrences, especially at the to make certain of his enemy's posi-No naval Power can afford to accept Dardanelles, go to show that naval tion, and in doing this might get close enough for the direct attack of the very effective." 12 inch guns of our coastal forts. This This dictum inspired one of the sounds almost like catching birds by members of the committee to ask: sprinkling salt on their tails. Some "Nevertheless, it is the intention of color to this advantage of concealthe department to equip the forts at New York with the larger guns?" ment has been given by certain exarticular. So long as any navy has Gen. Weaver answered: "Yes; not be- periments made nearly a year ago down on the Southern coast. cause we are afraid of the fire of the



Skyscrapers would serve as range marks and would bring down destruction to lower Manhattan Forts Defending the Approaches to New York Will Be Far Outranged by the 18 Inch Naval Rifles Announced by England

position with the object of destroying lipoli Peninsula. We have no such owing to this sudden jump in size. The or putting the gun out of action. There fortifications here, nor did spotters guns in service here are all of the was jubilation in the army, or among during the experiments on our South- vintage of 1990. Gen. Weaver's own some of the military officials, because ern coast have the benefit of aerial statement indicates that the ordnance

some of the military officials, because the attack failed to harm the hidden riffe. The navy men discovered the direc-tion of the target, and shot after shot was fired without scoring a hit. They were all good line shots, but they were either short or over and beyond the mark. In other words, the range finding was not accurate enough from finding was not accurate enough from defences. That being the case, of were built fifteen yours ago do not prothe positions of the spotters aloft on what avail would be low parapets of tect cities in some few places against While the performance showed just concrete and a semi-covert of sod and the present ships. It is a questian how the vessels of our battle squadrons shrubs? how the vessels of our battle squadrons are equipped to deal with enemy coast air an enemy scouting plane would "When we mounted guns a defences, the tests, unhappily, were he able to look right down into our Hamilton and Fort Wadsworth and at in no way an index of the efficiency of mortar pits or the emplacements of Sandy Hook it was not thought that rival fleets. Gen. Weaver has drawn comfort from the outcome of the work of the reach of any guns we have available of Long Island and Brocklyn and reach rival fleets. British and French guns at the Dar-danelles. The Queen Elizabeth ac-would find it comparatively easy to mounted that could do that at that complished astonishing things there guide the gunners on the ships well with her 15 inch weapons, and much off on the horizon. that she did was against forts that . His code would be simple and short were completely beyond observation and would cover but four signals. All from the tops of her musts. The ma-that he would need to telegraph would ture of the terrain was mountain- be "over," "short," "right," "left." ous, and her projectiles had to go over And inasmuch as an aeroplane wirethese intervening barriers in order to less has been developed and made reach their objectives. The task was thoroughly serviceable, the observer in exceedingly difficult and radically un- the enemy aeroplane might do still like the circumstances of our coastal better and tell how much short or over or to the right or left the foe's range gun emplacements. In some cases spotting was done finding shots were falling. for the gunners on the Queen Eliza-beth by observers affoat on torpedo defences around New York and, so far beth by observers and on the because of as that is concerned, on both coasts fensive batteries if they are not for the their shallow draught, were able to and at Panama, our disappearing guns reach closer points of view. Even so, need not be hit directly to be put out the lowness of the observing positions of action, and here is where the long aboard hampered accurate estimating range heavy weapons of a hostile flee sible. of distance or the fall of shots. Later have an advantage which the general British brought to their aid some public little realizes. short flight scaplanes, and these were Weapons of less power than modern pressed into service as aerial spotters, naval rifles sufficed to smash to bits would be the to the the the time of Bockaway Beach Despite the difficulties under which the concrete walls and foundations of they labored the aeroplane observers the Belgian and French heavily ar- does not indicate the potential maxithey labored the aeroplane observers the Belgian and French acavay and proved extremely helpful, and fort mored forts, while here an enemy would have to deal only with earth mum rance of the 15 inch gun, but concerns only those weapons mounted and cement. Should the shells of a more than eleven lines by marter, and compare should be before the outpre-15 inch projectiles high in the air and sodded slope or the concrete parapet guns they would blow great holes in German fleets, the advantage of the earth and the granolithic barrier greater elevation has become apparent, and hurl pieces of the concrete down The Kaiser's battle craft were able to upon the crouching weapons. The re-sult would probably be not unlike the twice as much as was possible with the of a pinch of sand dropped on weapons mounted in turrets aboard the balance wheel of a wrist watch. the rival squadrons. Hereafter the big If not otherwise injured the guns guns affeat will unquestionably be would have all their working gear so mounted so that they can be elevated clogged that it would take hours if not much more than heretofore, and therelonger to get them in operating condi- fore there is nothing unreasonable in tion again. But the chances are that the news account that the new 18 inch the disappearing carriages would be British naval rifle will have a bomdamaged and the guns might be irrep-barding range of something like arably injured. At all events the bat-twenty-five miles. tery would probably be put out of ac-We have a few army 14 inch guns, would be quite as effective as the direct but they are not part of New York's attack at shorter distance, and there-defences; in fact, those that have been fore at shigher velocities. The foe built are some thousands of miles would not have to bother with peraway. To-day European battle fleets forating armor here; he has only to have ready for service against us drop projectiles into the mortar pits have ready for service against us grop projectiles into the mortar pits weapons of 13.5 and 15 inches in bore, or the open positions of the disappear-and now, not satisfied with that su-periority. Great Britain is taking a further lead with guns of 18 inch cali-way through the relatively ineffectual barriers of earth and concrete. Serious as our situation was with the smaller weapons it is much graver now

point now where the fortifications that

within reach of the naval guns of a us would certainly find us unprepared. noughts could not navigute the Am- which this article was begun might

brose Channel. Since then the great easily become a fact. 15 inch weapons of the British fleet have been put to the test. The Queen Elizabeth did effective work with her monster rifles at a range of more than 20,000 yards against the Turkish forts on the Dardanelles. That achievement t into the protection which distance had given Greater New York and especially the zone of lower Manhattan.

worse. The coming of the 18 inch gun not only makes it possible to exceed the reach of the Queen Elizabeth's 15 inch weapons but its projectiles will be able to do far more damage. ,The fact

lowed the public to know that it has the ability of naval guns to damage planned to use rifles of this calibre in- coast fortifications at long range. dicates probably that such guns have While there have been two school aiready completion

superiority on the part of even a fire against coast fortifications is not friendly nation with equanimity. Manifestly the Teuton allies are not likely to lag long in equipping themsrives with weapons of equal power and neither the French nor the Russians can afford to be outclassed in this suns of this calibre no alert neighbor States is interested vitally in the mat-

back of us."

formidable

Not long ago an American military expert was abroad. Because of the nature of his business in Europe he met the officials of a number of gov- not going to waste his ammunition comments and was taken into the con-Sdence of a great many military and taval men. Well nigh without excep- are designed to guard. It will be ton they declared that there was a noticed that it is the intention of the had in the pickling for us. As they military authorities to place larger

"Don't think that any of us over " are going to be exhausted when this struggle is over. Europe is going to be a great military camp when peace declared, and the fighting efficiency of every one of us will be at concert

"We shall settle our difficulties here, but we have got to seek elsewhere for rifle. Abroad the 15 inch weapon has means of rehabilitation. Your Yankee compatriots have been taking it gold, but what have they done in Admiralty is now bent upon getting a the way of making themselves fit to old it against an insistent demand? | inch rifle Some of us are going to ask you to pay

the entrance and a stretch of the the fiddler for this dance of ours." What would be our strength to re-Ambrose Channel are all of the army Est should any of the present Euro- 12 inch type, mounted upon disaptean belligerents pick a quarrel with pearing carriages, and the defences at Forts Wadsworth and Hamilton, stand-. say, for commercial reasons, and hen make an aggressive move? The ing guard over the Narrows, are of

rival would lose time in equipping enemy, but because we do not want to There a dummy gun emplacement erself similarly. Thus the United allow them to take a position from was built and an old weapon installed which they can do damage to property for the test. One or more ships



SONE OF UNCLE SAMS IZ INCH COAST DEFENCE GUNS IN ACTION I

whether you want to do that. Take,

time. Now there are.

"A ship could do that and he beyond the range of any gun we have mounted. The question is, is it good policy to put a battery there that will that result at that place?"

To a man whose fireside lies within the range of a foe's guns Gen. Weaver's question might seem to border dangerously close to the foolish The man whose property in some other form is likewise open to that destructive attack might ask what can purpose of preventing a hostile squadron from doing the very thing which Gen. Weaver frankly says is now pos-

The Queen Elizabeth or similar superdreadnoughts armed with 15 inch

Arranged as our seacoast forts are,

this bombardike power or indirect fire

(Continued on Third Pose)