


HNOVEL engine of war-a vessel of any kind, submarine or tion, WITH NO SOUL ON BOARD, yet capable of doing all it is deagined for, as fully equipped with a fear a revolution in the present means of attack and defense. The time is not far distant when all the tremendous wastes of war will be stopped, and then if there are battles they will be fought
with water power and electrical waves.

Everything points to the development of a small vessel with inter nal combustion engines, extreme speed and few weapons of great de
atructiveness. But the new leviathan is admirably adapted to the practical requirements of the day. In attack it could alone annihilate a nation's fleet. It is equally effective in defense. If equipped with proper acoustic and electrical applianoer scarcely hurt it. That is why the first of these monsters, built in England, has been named Dreadnought. Now, there is a novel means for attacking a fortress of this and armor resistance are of no avail. IT IS THE TIDAL WAVE. Such a wave can be produced with twenty or thirty tons of cheap explosive, carried to its destination and ignited by a noninterferable telantomaton.
IT IS FUTILE TO CONBIDER THE EFFECT OF AN ERUPTION OF, SAY, THIRTY TONG OF NITROGLYCERIN COMPOUND ON A
VESSEL SITUATED NEAR BY, HOWEVER LARGE. THE ENTIRE NAIY OF A GREAT COUNTRY, IF MASSED AROUND, WOULD BE DESTROYED.
But it is instructive to inquire what such a wave could do to a battleship of the Dreadnought type at a considerable distance from ite expanded to three-quarters of a mile the swell, about 1,250 feet long,
origit still would be more than 100 feet in height from crest to normal se level, and when the circle is one and one-quarter miles in diameter
the vertical distance from crest to trough will be OVER 100 FEET.

The first impact of the water will produce pressures of three tons square feet may amount to 60,000 tons, eight times the farce of the recoil of the broadside. THE PIRST IMPACT MAY IN ITSELF BE FATAL. During more than ten seconds the vessel will be entirely submerged and finally dropped into the hollow from a height of about seventy-five feet, the descent being effected more or less like free fall. IT
RisE.


Charles Rogers

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