uilding a ttlesbip



ASSING in recent review under the scrutiny of President Roosevelt and grim steel fortresses, flanked by many more armored and protected cruisers, made the greatest muster of American warships ever simultaneously

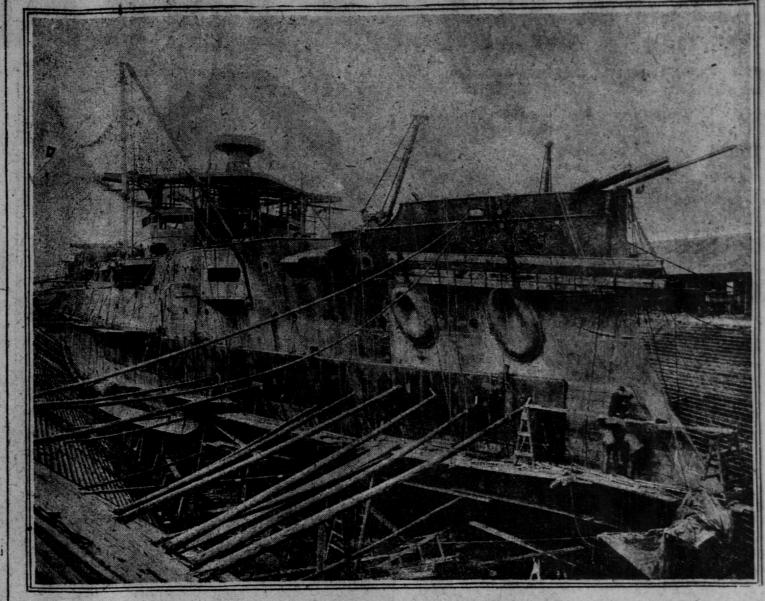
American warships ever simultaneously congregated. They were the battleships Maine, Kearsarge, Kentucky, Missouri, Alabama. Illinois, Iowa, Massachusetts, New Jersey, Rhode Island, Virginia and Georgia, the last four in the duodenary array being the most recent additions to the greater American navy.

The formidable armada carried more than 10,000 men and is costing the American people \$6.000,000 a year for maintenance. As they maneuvered off Oyster Bay those Gozen hattleships alone weighed approximately 170,000 tons, carried nearly 15,000 tons of fuel, had a combined steam energy of more than 130,000 horsepower and contained perhaps 5000 miles of electric wires operating at least 1200 motors and operating at least 1200 motors and somewhere around 8000 lights.

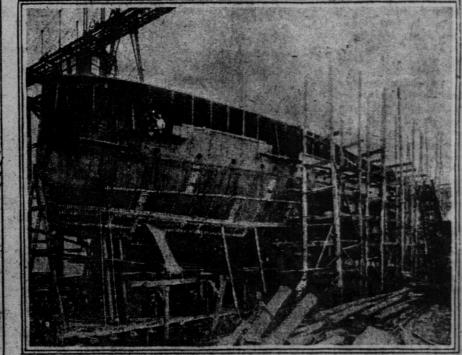
omewhere around \$000 lights.

There were guns in those flecked steel turrets, resting like monsters on their massive haunches, capable of hurling half a ton of armor-piercing steel twice a minute and hitting a target three miles away every time with the vessel steaming at more than half speed. There was nearly a square mile of 9, 12 and 17 inch armor plate scaling those burly amphibians of warburly, yet obedient to the command as a loyal legion. They represented an aggregate of sixty million dollars in value—those twelve engines of exact science, crowded with steam and electric apparatus, with great gaunt guns and cheesebox turrets, swung by cleatricity from side to side in forty seconds: telescope sights, electric ammunition hoists and gun crews keyed physically to fighting pitch, with special muscles developed in each gunner by daily and precise practice.

With the disappearance of the motive



THE U.S.S. CONNECTICUT IN DRY DOCK

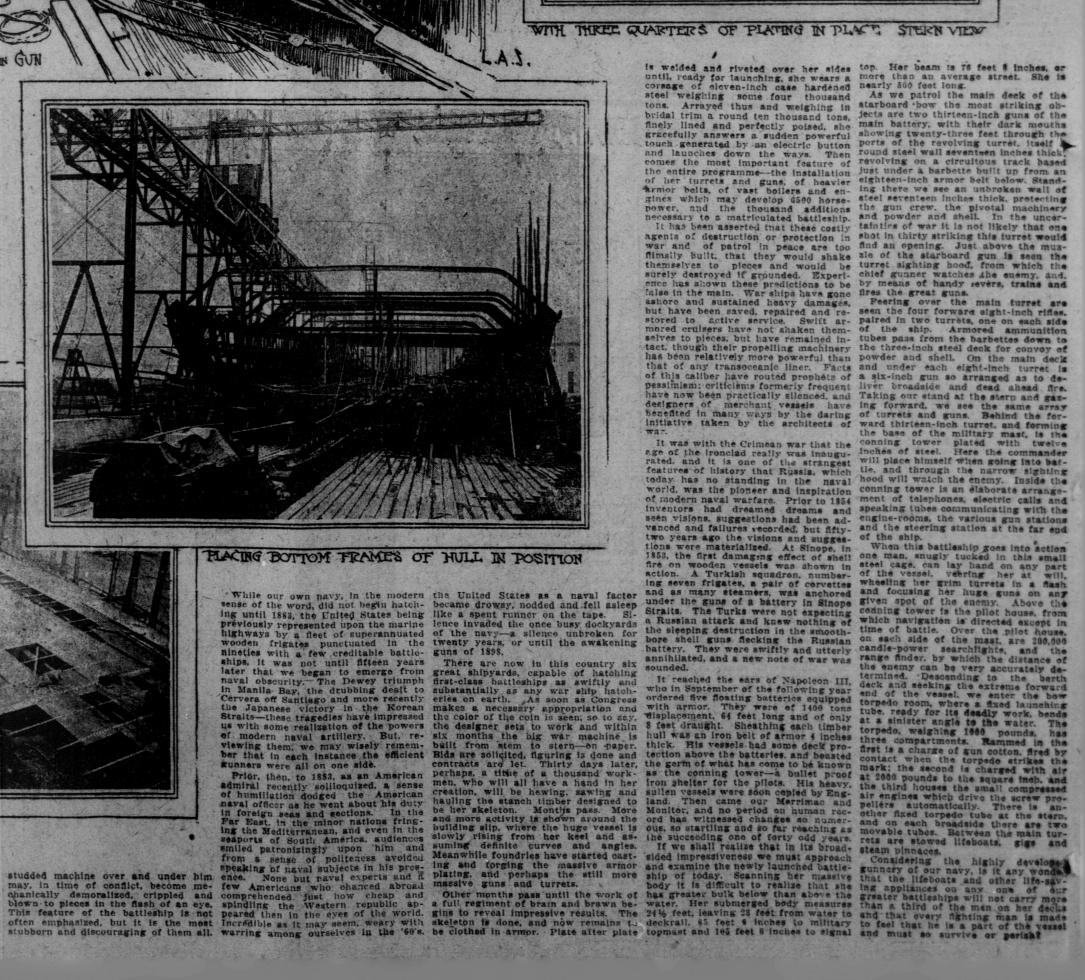


with three quarters of planns in place. Steich view

INSTALLING 12 H

daily and precise practice.

With the disappearance of the motive power from masts and sails there has plicity as the organism of the human come a pressing necessity for men of body. Past masters of surgery agree superior intelligence and greater mental schooling. The romance and pic-



LAYING THE STEEL DECK PLATING

turesqueness of spars and rigging and ballooning canvas, beckening the sailor to nimble and dizzy adventures, have been succeeded by the exact requirements of electricity and mechanism. A second surprise awaits the layman What mystery remains is to be found in the massed powers of destruction, realization that the ponderous, steel-