

19. ELECTRICITY IN THE ARMY AND NAVY

ELECTRICITY IN THE NAVY

Gilbert Wilkes

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Ideal requirements for a marine generator. Naval practice as to type, voltage, power capacity, etc., of the generator unit.

Discussion, pp. 160-162, by Messrs. Otto A. Moses, Gilbert Wilkes, Townsend Wolcott, R. N. Bayles, E. T. Birdsall and Robert S. Dobbie.

Effect of electric plant upon compass.

ELECTRICITY ON BOARD SHIP

S. Dana Greene

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General outline of the power requirements on board modern first-class battleships. Comparison of the relative merits of different types of motive power. Results from tests giving the steam consumption of main and auxiliary machinery on U. S. S. Minneapolis.

Discussion, pp. 18-42, by Messrs. J. W. Lieb, Jr., T. C. Martin, H. Ward Leonard, Elihu Thomson, Townsend Wolcott, Lieut. Walling, John Millis, H. L. Holbrow, Joseph Bijur, S. Dana Greene and George Hill.

Ward Leonard system of gun motor control for gun turrets. Thomson's high efficiency single-stroke engine. General remarks on the use of electricity in the Navy.