

**SPERRY**  
**GYRO-COMPASS**  
**AND**  
**GYRO-PILOT**  
**MANUAL**



GYRO-COMPASS  
*and*  
GYRO-PILOT



*Manual*

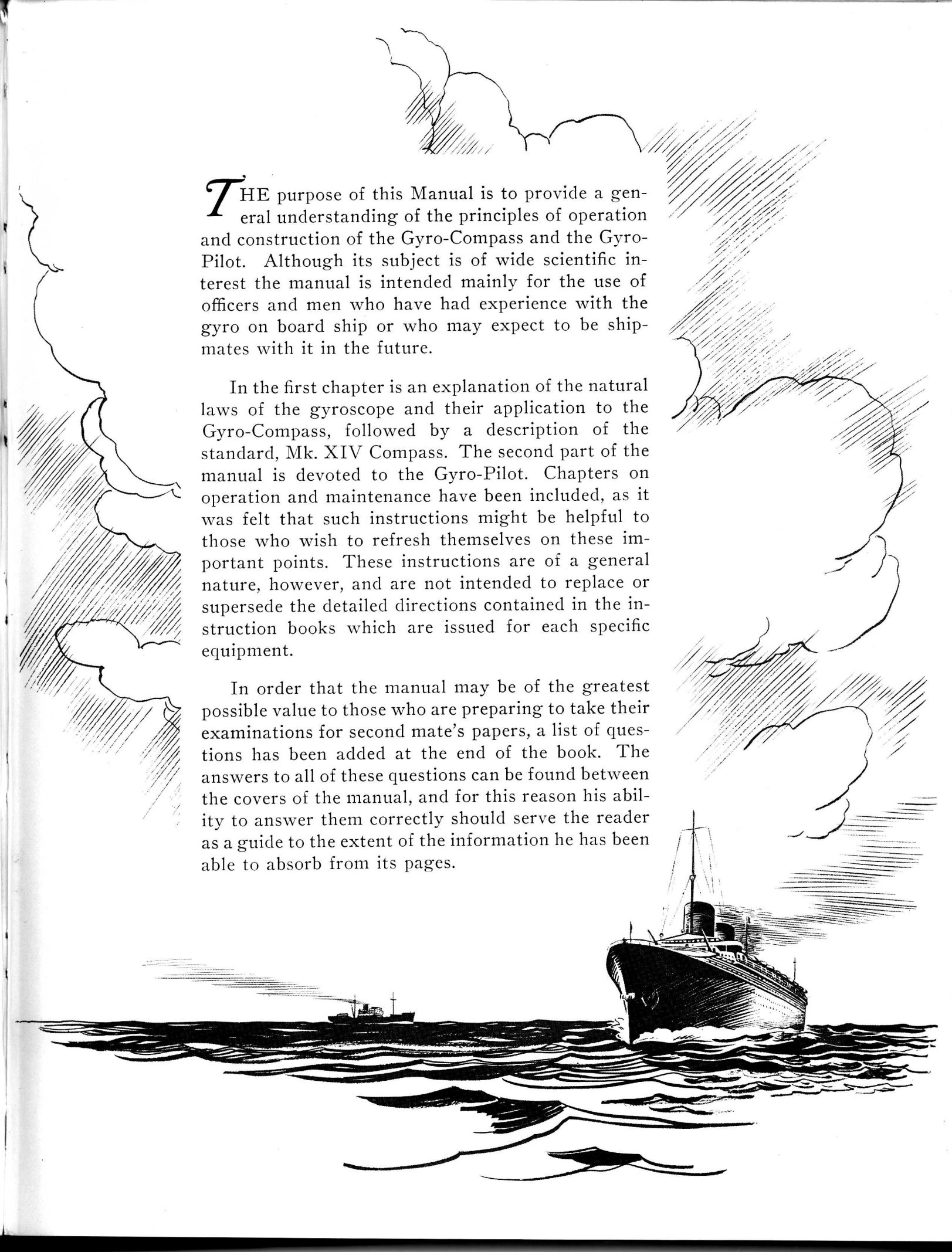


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**T**HE purpose of this Manual is to provide a general understanding of the principles of operation and construction of the Gyro-Compass and the Gyro-Pilot. Although its subject is of wide scientific interest the manual is intended mainly for the use of officers and men who have had experience with the gyro on board ship or who may expect to be ship-mates with it in the future.

In the first chapter is an explanation of the natural laws of the gyroscope and their application to the Gyro-Compass, followed by a description of the standard, Mk. XIV Compass. The second part of the manual is devoted to the Gyro-Pilot. Chapters on operation and maintenance have been included, as it was felt that such instructions might be helpful to those who wish to refresh themselves on these important points. These instructions are of a general nature, however, and are not intended to replace or supersede the detailed directions contained in the instruction books which are issued for each specific equipment.

In order that the manual may be of the greatest possible value to those who are preparing to take their examinations for second mate's papers, a list of questions has been added at the end of the book. The answers to all of these questions can be found between the covers of the manual, and for this reason his ability to answer them correctly should serve the reader as a guide to the extent of the information he has been able to absorb from its pages.