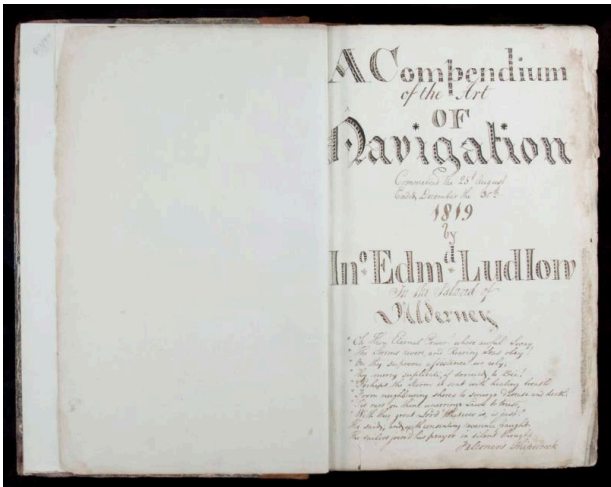


Basic Detail Report



00040486

Title
A Compendium of the Art of Navigation

Date
1819

Primary Maker
John Edmund Ludlow

Medium
Paper, ink, leather

Dimensions
Overall: 373 × 246 × 25 mm

Name
Folio

History
This manuscript by John Ludlow consists of 160 pages with eight full-page coloured pen drawings of ships, charts, a compass, planispheres and numerous geometric and perspective ink drawings. The major part of the manuscript is designed as an illustrative aid for solving navigational problems common to sailors in the early 19th century. Topics covered include - Compass points, deducing the time by celestial observation, tidal prediction, making a chart, plane sailing, calculating a ship's position from observation of a coastal feature of known height, midlatitude sailing, how to maintain a log, etc. The manuscript also includes description of the parts of a merchant sailing ship, and the log kept by Ludlow while Mate of the SYLVIA a voyage from England to the Canary Islands. The text includes worked examples of common navigation calculations and is generally extremely informative on daily routines for establishing position at sea. A poem on the title page and a generic letter given to graduates of Ludlow's classes suggests the author held strong religious beliefs. The main headings are: Plane sailing (p.9), Traverse sailing (p.14), Middle Latitude Sailing (p.19), Mercator's sailing (p.25), Oblique Sailing (p.34), Current Sailing (p.37), Tides (p.38), Navigation by Examples (p.40), To Work an Observation to Find Latitude (p.41), Method of Finding Latitude by Double Altitudes (p.51), Journal of a Voyage from London to Teneriffe (pp.55 - 64), Rule for Determining the Rate of chronometers (p.68), Example of How to Make a Chart (p.72), Heights and Distances (p.73), Description of the Celestial Globe (p.76), To Find the Apparent Time and thereby Regulate a Watch (p.80), Method of Calculating Shot in Piles (p. 82).