



Barry Lawrence Ruderman Antique Maps Inc.

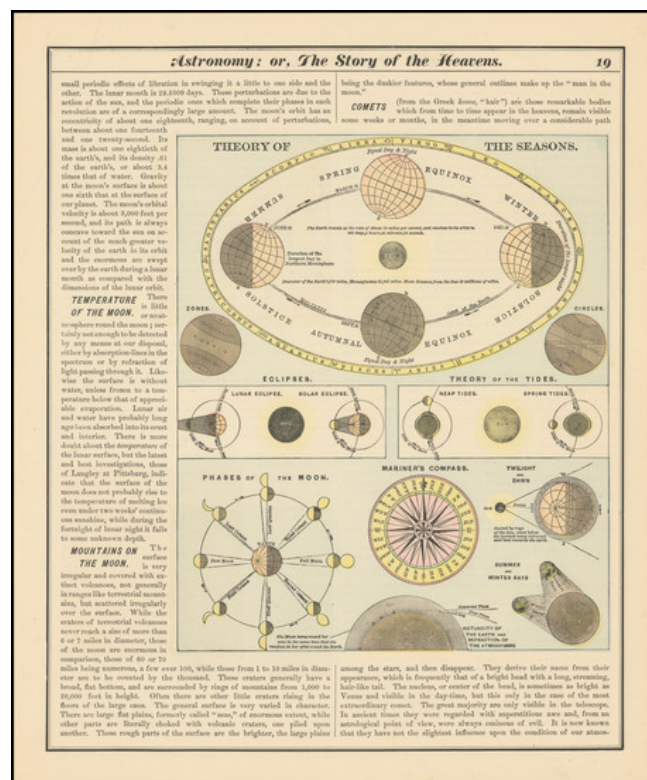
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Astronomy: or, the Story of the Heavens

Stock#: 97390
Map Maker: Black
Date: 1884 circa
Place: Edinburgh
Color: Color
Condition: VG+
Size: 9.75 x 12 inches
Price: \$ 125.00



Description:

Detailed image of astronomical concepts, including a series of diagrams and explanations.

Here are the key elements visible on the page:

1. **Theory of the Earth's Orbit** - There are diagrams illustrating the Earth's elliptical orbit around the Sun, showing how this orbit affects the changing seasons. The Earth is shown at four positions: two solstices and two equinoxes, representing the different seasons.
2. **Zones of the Earth** - The diagram illustrates the Tropic of Cancer, the Tropic of Capricorn, the Equator, and the Arctic and Antarctic Circles, dividing the Earth into climatic zones.
3. **Eclipses** - It features explanations and depictions of a lunar eclipse and a solar eclipse, detailing



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how the Sun, Earth, and Moon align to create these phenomena.

4. **Theory of the Tides** - There are diagrams explaining spring and neap tides, illustrating how the gravitational pull of the Moon and Sun affects the Earth's oceans.
5. **Phases of the Moon** - The image shows the Moon in various phases, including the new moon, first quarter, full moon, and last quarter.
6. **Mariner's Compass** - A traditional compass rose is depicted, indicating the cardinal and intercardinal directions.
7. **Twilight** - Diagrams show the angles of the Sun's rays during dawn and dusk, explaining the concept of twilight.
8. **Mountains on the Moon** - This section refers to the irregular and covered terrain of the Moon, mentioning the existence of lunar mountains and craters.
9. **Temperature of the Moon** - The text discusses the extreme temperatures on the Moon due to the lack of an atmosphere.
10. **Comets** - The section provides a brief explanation of comets, referring to their Greek etymology and describing their appearance in the sky.

The page is dense with text and scientific illustrations, indicative of the educational methods of the time, aiming to convey complex astronomical concepts to the general public or perhaps to students with a concise and structured visual presentation.

Detailed Condition: