formative activities in the organic and animated bodies? What has been discovered does not by a long way exhaust the discoverable. The imperfectibility of empiric investigation makes the problem of explaining the changeability of matter from the forces of matter an *indefinite one*.

A. URANOLOGICAL PORTION of the Physical Description of the Universe-p. 26-28.

Two sections, one of which comprises the heaven of fixed stars; the other, our solar system—p. 26.

- ASTROGNOSY; Heaven of the fixed stars.
 - I. The realms of space, and conjectures regarding that which appears to occupy the space intervening between the heavenly bodies—p. 29-41.
 - II. Natural and telescopic vision—p. 49-72; Scintillation of the stars—73-83; Velocity of light—p. 84-88; Results of photometry—p. 89-102. Order of the fixed stars according to their luminous intensity.
 - III. Number, distribution, and color of the fixed stars—p. 103-139; Stellar clusters (stellar swarms)—p. 140-143; The Milky Way interspersed with a few nebulous spots—p. 144-151.
 - IV. New stars, and stars that have vanished—p. 151-160; Variable stars, whose recurring periods have been determined—p. 160-177; Variations in the intensity of the light of stars whose periodicity is as yet uninvestigated—p. 177-182.
 - V. Proper motion of the fixed stars—p. 182-185; Problematical existence of dark cosmical bodies—p. 185-187; Parallax—measured distances of some of the fixed stars—p. 187-194; Doubts as to the assumption of a central body for the whole sidereal heavens—p. 195-199.
 - VI. Multiple, or double stars—Their number and reciprocal distances. Period of revolution of two stars round a common center of gravity—p. 199-213.
 - VII. Nebulous spots. Are these only remote and very dense clusters of stars? The two Magellanic Clouds, in which crowded nebulous spots are interspersed with numerous stellar swarms. The so-called black spots (Coal-sacks) of the Southern hemisphere—p. 13-53
- β. Solar Region-p. 53-134.
 - I. The Sun considered as the central body-p. 59-88.
 - II. The Planets-p. 88-134.
 - A. General consideration of the planetary world-p. 88-134.
 - a. Principal Planets-p. 89-131.
 - b. Secondary Planets-p. 131-134.
 - B. Special enumeration of the planets and their moons as parts of the solar system—p. 134.

Sun—p. 135-137.