



PLATE 3.—B, B, B, B, B, planets. Fig. 1, photo-sphere, or light on every side; Fig. 2, negative cap routes; Fig. 3, relative enlargement of a planet on the illuminate side; Fig. 4, enlargement illustrative of age of planet; Figs. 5 and 8, variations in vortex, called variation of needles: 1, 1, region of inactive space; 2, 2, 2, place of active force. The Planck signs denote the expression in numbers.