

PREFACE.

v.

THE THEORY OF LIGHT explains the origin and cause of light,—its method of shining and finding its passage through the different media, in such a way as fully to develop the cause of reflection and refraction; it also discovers that light has peculiar qualifications strictly essential to vision, and it fully explains a mass of phenomena in light not before understood.

THE THEORY OF VISION supersedes the necessity of objects sending their images to the eyes to be seen, and fully explains the capacities of the eye and its capabilities of taking perceptions of objects without the use of images; and it also demonstrates the absurdity of a thoroughfare for perceptions through the convex lens to the brain, and points out a better means of taking perceptions and a better rout for them to the brain.

THE THEORY OF COLOURS shows how, and by what means, the colours that are hid in the atmosphere are discovered and made visible by the use of the prism, and its magnifying powers in connection with shadows and grades of light; and satisfactorily demonstrates that each of the prismatic colours has a shadow peculiar to itself, by which only it can be seen; and it renders the theory of the rainbow and other clouds, with their colours, familiar to a common capacity.

The claims of discovery by the Author are the following:

1st. That the eyes of animals produce genuine light,