

our discovery, forming perhaps what Mr. Brewster calls its "essence;" and I conceive there is no greater proof that electricity is not heat and light alone, than its amazing velocity on these wires. What progress, in fact, would heat and light alone applied in any degree to these wires, be able to make, perhaps not ten miles in an hour, while electricity goes, perhaps, five hundred miles in a minute.

In page 150 of the "New Philosophy," the author states that, from certain analogies he has brought forward, he infers, "that no creation of materials is progressing to supply the waste of the sun." In page 23 of the Appendix No. 2 to the 7th edition of our System of the Creation, I have said:

"I have therefore come to the conclusion, as is stated above, that there must be laboratories for the formation of the gases required, in which laboratory a constant act of creation of the elementary matter of those gases would be indispensable, to supply the unceasing and stupendous waste. If, therefore, our theory of the sun continues to be substantiated (and, as will be shortly shewn, the planet lately discovered offers a strong confirmation of it,) and as nothing short of a direct act of creation could produce a supply of gaseous matter for all the suns of the universe, we must refer to such an act of creation for that supply, and we trust we shall indeed thereby lead our readers "through Nature's works up to Nature's God." We believe we shall have found a more clear and positive proof of the reality of an existing and actually present creation of matter, than has yet been offered to mankind."

In the same page, I have stated my reasons for coming to this conclusion; and in page 28 of said Appendix, the reader will see a recapitulation of our theory of the probable design of some of the nebulae in the distant regions of space, and of the real purposes of the vast number of comets said by the astronomers to occupy the regions of space. It will be then seen, that the oxy-

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