ILLUSTRATIONS.

No.		Page
	Trenton High Falls	iece.
1.	Fossil Bivalve-view of ventral valve	14
2.	Fossil Bivalve—edge view of both valves	14
З.	Common River Mussel—view of left valve	14
4.	Common River Mussel-view of both valves along hinge line	14
5.	View of the Temple of Serapis at Puzzuoli in 1836	20
6.	View of Graham's Island, July 18, 1831	23
7.	New Volcano of Santorin, 1866	24
8.	Work of the Elements at Cape Stevens, Arctic Ocean	27
	Shore Erosion on the Mendocino Coast, California	31
	Fingal's Cave in Staffa	34
	Comparative Volumes of the gaseous and solid Earth	39
12.	The Solar System rotating in a gaseous state	43
13.	Primeval Wrinkles in the Earth's forming Crust	53
14.	The Primeval Storm	55
15.	Shore Erosion and distribution of Sediments	57
	Diagram of Chemical Reactions in the Primeval Ocean	61
	Structure of the oldest known Fossil	68
	The Humblest of Living Creatures (Amæba princeps)	70
19.	Disturbed Condition of Eozoic Strata	74
	The Germ of the North American Continent	74
21.	A St. John's Trilobite (Paradoxides Harlani)	76
	Cliffs of Potsdam Saudstone, New York	77
23.	A Potsdam Bivalve (Lingula prima)	79
24.	A Potsdam Bivalve (Lingula antiqua)	79
25.	Modern Lingulas anchored to a Support	79
	A Potsdam Trilobite (Dicellocephalus Minnesotensis)	80
	A Trilobite rolled up	80
28.	Eye of a Trilobite magnified	81
	A Potsdam Sea-weed (Palæophycus arthrophycus)	83
30.	Outlines of Lake Superior	84
	Section across Lake Superior	84
	The Miner's Castle, "Pictured Rocks," Lake Superior	86
	The Sail Rock, "Pictured Rocks," Lake Superior	
	The Grand Portal, "Pictured Rocks," Lake Superior	
35.	Camp on the Beach, near the Chapel	90
36.	The Chapel, "Pictured Rocks," Lake Superior	91
37.	Chapel Falls, "Pictured Rocks," Lake Superior	92
	Section across the Continent of North America	95
39.	Hydrographic and Orographic Outlines of North America	96
	A living Crinoid (Pentacrinus caput-Medusæ)	107
	A Trenton Trilobite (Asaphus gigas)	
	The Paper Nautilus (Argonauta Argo)	
	Paper Nautilus with the arms spread	
	The Eight-armed Cuttle-fish	
45	A "Kraken Octopod" scuttling a Three-master	113
46.	The Pearly Nautilus (Nautilus pompilius)	114
47.	A Straight Chambered Shell (Ormoceras tenuifilum)	115
48	A Coiled Chambered Shell (Trocholites ammonius)	115
49.	A Devonian Cephalopod (Clymenia Sedgwicki)	116