Orra White Hitchcock (1796-1863), one of the first American women artists of science, drew all the images on the front cover: a world map indicating volcanic areas, a mastodon maximus skeleton, and the shift of stone obelisks at a convent in Calabria, Italy caused by an earthquake. The colors on the spine are from her graphic representation of valleys. She made 61 illustrations in all for her husband Edward Hitchcock’s classes on geology and natural history.