



Fig. 471.—Sections across the Grand Canon of the Colorado.<sup>13</sup>

(Vertical and Horizontal Scale the same.)

A. Section in the Kanab division. B. Section in the Kaibab division. *a* to *a* seven miles.

									Thickness in A.			Thickness in B.
Permo-Carboniferous	8.	Bellerophon beds	.	.	.	.	.	.	250 ft.	.	.	— ft.
	7.	Cherty Limestone	.	.	.	.	.	.	350 "	.	.	500 "
Coal-measures	6.	Cross-bedded Sandstone	.	.	.	.	.	.	200 "	.	.	400 "
	5.	Aubrey red Shales, etc.	.	.	.	.	.	.	1200 "	.	.	900 "
Lower Carboniferous	4.	Red Wall	.	.	.	.	.	.	2500 "	.	.	2200 "
	3.	Tonto group	.	.	.	.	.	.	300 "	.	.	200 "
	2.	Silurian rocks (covered unconformably by overlying rocks)	.	.	.	.	.	.	300 "	.	.	— "
	1.	Granite, Schist, etc., eroded before deposition of Carboniferous rocks	.	.	.	.	.	.	— "	.	.	1200 "

<sup>13</sup> Drawn on a true scale for this work by Mr. Holmes, whose diagrams of the geological structure and scenery of Western America are probably at once the most artistic and instructive sketches with which geological literature has yet been enriched. To his graphic pencil also the author owes the Frontispiece to this volume.