

VERTICAL SECTION OF THE STRATA, SO FAR AS DETERMINED IN MISSOURI.

System I. Quaternary.		a	Alluvium	30		River Bottoms.
		b	Bottom Prairie	35		Missouri & Mississippi Bottoms.
		c	Bluff or Loess.	ft. 200		All of the Counties north of the Osage & Missouri & all below on the Mississippi.
		d	Drift.	55		All of the Counties north of the Missouri River & one or two tiers of them on the South.
System III — Carboniferous. Coal Measures.			Upper Coal Series	275		Clay, Platte, Buchanan, Andrew, Holt, Atchison & Jackson.
		e	Middle Coal Series	225		Saline, La Fayette, Jackson, Chariton, Carroll, Ray, the Counties generally in the Grand River Valley & Nodaway, Bates, Callaway & Cass Cos.
			Lower Coal Series	140		Boone, Cooper, Henry, St. Clair, Howard, Monroe, Marion, Clark, Jasper, Bates, Pettis, Johnson, St. Louis, Moniteau & Cole Counties.
		f	Fertuginous Sandstone	195		Marion, Cooper, St. Clair, Lawrence, Jasper, Boone, Bates, Callaway & Howard, St. Louis Cos.
		g	St. Louis Limestone	250		St. Louis, Marion, Lewis & Cooper.
		h	Archimedes Limestone	200		Boone, Cooper, Saline, Marion, Jasper, Newton, Lewis, Clark, Green & Perry Counties.
		i	Encrinital Limestone	500		Boone, Cooper, Saline, Morgan, Lawrence, Green, Benton, St. Clair, Cedar, Polk, Monroe, Ralls, Marion, Pike, Barry & Moniteau Counties.
System IV. Devonian.		j	Chautau Limestone	70		Cooper, Boone, Marion, Pike, Polk & Moniteau Counties.
		k	Vimicular Sandstone & Shales	75		Marion, Cooper, Benton, Polk, Green, and Hickory Counties.
		l	Lithographic Limestone	60		Cooper, Marion and Ralls Counties.
		m	Hamilton Group	50		Pike County.
		n	Onondaga Limestone	75		Saline, Callaway & Moniteau, Perry Counties.
System V — Silurian.		o	Delthyris Shaly Limestone	175		Near Bailey's Landing, Perry County.
		p	Cape Girardeau Limestone	45		Cape Girardeau.
		q	Hudson River Group	120		Ralls and Pike Counties.
		r	Trenton Limestone	360		Salt River, Ralls County, Marion, Cooper and Jefferson Counties.
		s	Black River & Bird's eye Limestone?			Selma, Jefferson County.
		t	1 st Magnesian Limestone	190		Cooper, Benton, Ralls & St. Clair Counties; Pacific Rail Road, near Hamilton Creek and White Sand Cave, St. Genevieve County.
		u	Saccharoidal Sandstone	125		Boone, Cooper, Pettis, Benton, Morgan, Ralls, Polk, Hickory, St. Clair, Moniteau, Green, Perry, St. Louis & Franklin Counties.
		v	2 ^d Magnesian Limestone	230		Boone, Cooper, Morgan, Benton, Hickory, Polk, Dallas, Moniteau, Green, Cole, Pettis, St. Genevieve, and Franklin Counties.
		w	2 ^d Sandstone	70		Morgan, Dallas and Camden Counties.
		x	3 ^d Magnesian Limestone	350		Dallas, Camden, Washington, St. Francois and Franklin Counties.
		y	3 ^d Sandstone	50		Niangua & Gravois Rivers.
		z	4 th Magnesian Limestone	300		Niangua & Osage Rivers.

* Mr Meek is our authority for localities in Moniteau County. * Dr. Shumard is our authority for this locality.