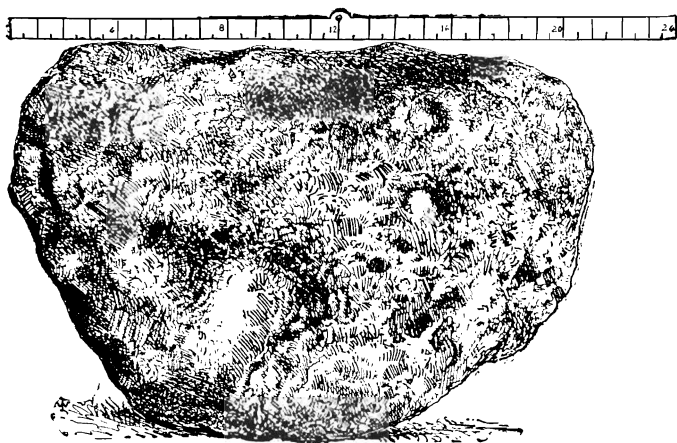


ART. XXII.—*Preliminary Note of a New Meteorite from Kenton County, Kentucky*; by H. L. PRESTON.

[Read before the Rochester Academy of Science, June 27th, 1892.]

ON May 15th, Prof. Henry A. Ward received a letter from Mr. R. H. Fitzhugh, Bryson City, N. C., telling of a meteorite he had identified in Kenton County, Kentucky. In Prof. Ward's absence Mr. Frank A. Ward sent me off the same night to look up the meteorite. I arrived at Bracht station on the Cincinnati Southern R. R., Friday morning and drove as far as the roads would permit toward Mr. Geo. W. Cornelius's farm. He being away from home his wife showed me the "metal" as they called it. It proved to be a beautiful meteorite of the Siderite variety, $533 \times 356 \times 203$ millimeters ($21 \times 14 \times 8$ inches) in its greatest diameters, and 163.0665 kilograms ($359\frac{1}{2}$ pounds) in weight.



Kenton Co. Meteorite, one-seventh natural size.

In form in certain directions it very much resembles a nautilus. It has numerous but mostly shallow pittings; a few deep pittings occur however on the side shown in the accompanying cut which gives a good idea of its general outline. This meteorite is entirely free from crust.

I saw Mr. Cornelius on the evening of the next day and obtained from him the following facts in relation to the meteorite.

About the middle of August, 1889, while cleaning out a spring situated at the head of a gully some three-quarters of a mile from his present home in Kenton County, eight miles south of Independence, the county seat, he struck with his hoe something that had a metallic ring; obtaining assistance he took the mass out, finding that it was interlocked in the roots of an ash tree from thirteen to fourteen inches in diameter and was between three and four feet below the normal surface.

He let the mass lie by the spring until August, 1890, when he removed it to his woodshed where it has lain until purchased by me for the Ward collection of meteorites. It is now at our establishment in Rochester, N. Y.

For the following analysis of this meteorite I am indebted to Mr. John M. Davison, of the Reynolds Laboratory, University of Rochester.

Fe.....	91.59
Ni.....	7.65
Co.....	0.84
Cu	trace.
C	0.12
S.....	trace.
P	trace.
<hr/>	
	100.20

In the course of a conversation with Mr. S. J. Cornelius, a brother of the gentlemen of whom I purchased the meteorite, he mentioned the fact, that about three o'clock on the seventh of July, 1873, while returning from a picnic in this locality, and when within half a mile of where the meteorite was subsequently found, he heard a great rumbling in the heavens, which appeared to last three or four minutes and was followed by a quivering of the earth. As the day was clear he could not account for this phenomenon. I met at least seven other people who distinctly remembered the picnic and the "rumbling in the heavens," and some one or two "the quiver of the earth."

Is there any connection between this date and the fall of the meteor?