EARTHQUAKES AT CHARLESTON.

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My impression is that earthquakes are the effect of cold and heat, and that they follow long and extended droughts, that they have an Astro-Meteorological feature also, as for instance, when they follow on a solar eclipse as here in August, 1886. There are, I conclude, in such cases, good grounds to account for the then bursting open of the earth all over this State, and the ejection of mud and water, and different colored sands of sulphurous odor with such force as to have dealt destruction to things near by.

BAROMETER AND THERMOMETER.

BY THOMAS BIRT,

Member of the Astro-Meteorological Association.

From early boyhood I have endeavored to accustom myself to the use of tools. I use both thermometers and barometers, and by their use try to place on paper the results of observations. In so doing, I find it necessary to understand the construction of these instruments.

There are other thermometers to which I would call your attention, viz. : "maximum" and "minimum"; one recording the highest, and the other the lowest in the 24 hours.

The "maximum" is usually a mercurial column, sometimes having a little float. Sometimes the tube has a slight stricture, just beyond the bulb, where the expansion of mercury in the bulb causes little globules of mercury, like slight pulsations, to move the column onwards until it has reached its highest point. The stricture prevents its returning. That must be accomplished by twirling the instrument on a brass pivot and so again uniting the column.

54