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# THE PENNSYLVANIA AEROLITE.

taken place, while others decided that a pretty large need for further and more careful experimentation. set of boilers had burst, or that a gigantic blast had thrown down a large mass of rock from some neighboring quarry. Loud detonations were heard throughout that entire section, the explosions apparently following a straight line across the country, and causing not a be said to furnish additional evidence of the credulity little consternation among the people.

vania barns, it will be remembered, are noted for their spondingly elated and buoyant. changed to a bluish white, which was maintained as indifference. long as it remained in sight.

ing so terrified that they remained perfectly motionless, immense profit in electric lighting plant, and but little, and could not be persuaded to stir for several minutes if any at all, in the sale of the light. Like glucose, struck the earth on the farm of Mr. Buckland, in Jef-1little; the private circular having been found to be the ferson Township, Washington County, near the West most judicious method of reaching purchasers. Virginia line. The stone broke into three pieces, and ; Go into the office of one of the so-called parent combecame partly buried. The color is gray, with streaks panies, and talk about electric lighting plant, and you of red running over it; possibly from the formation of  $\frac{1}{1}$  will be astonished by the prospective profits of light sellsesquioxide of iron. The form is irregular, and the di- ing. It will be proved to you with mathematical premensions, if correctly reported, are without precedent. Leision that few modern enterprises offer such a large It is stated to be from 30 to 50 feet in diameter, but we margin of proit as the operation of an electric lightdoubt very much that the statement can be verified. ing plant. But if there is so much profit in selling the The Gibbs meteorite, in the Yale College Cabinet at light, why don't these companies go into the business New Haven, is noted for its size, but it weighs only themselves? Why do they confine themselves to sell-1,635 pounds, and has a length of 3 feet 4 inches, a ing plant? You will scarcely fail to be struck with breadth of 2 feet 4 inches, and a height of 1 foot 4 this when hearing the plant people talk on the subject inches. It came from the Red River.

Sonora, Mexico, which is now at the Smithsonian Insti- panies were consolidated. One of these companies only tution. It is ring-shaped, and 49 inches in its greatest two years ago had a little office in Union Square, bediameter. The most remarkable masses of which we fore which a single arc light hung suspended. This have any knowledge have been found in South Ameri- was rarely lighted, as if the dispensing of arc light was ca. One discovered in the district of Chaco-Gualamba a luxury far too costly to be indulged in by any but was estimated to weigh 16 tons, and another found near sub-companies. still a little romance attached to these accounts, and lity. the true dimensions will not be reached until later.

the dread belief that it brought with it a spirit of so pales the gas jets by comparison that gas consumpestilence and famine; but if these people would only jers, in order to counteract its influences, are forced to call to remembrance the wide prevalence of meteoric turn on more burners and use more gas. visitors, they would conclude that the most persistent spirit which their imagination could attach to them must be quite exhausted by this time. Dr. Kleiber of : The most ardent supporters of technical schools do a year, while Professor Proctor thinks that even this ter of materials, the methods of working the estimate is too small. Yet very little damage is done the reasons why these methods differ. None

used by the investigators are such that it is quite im-The people of Southwestern Pennsylvania were possible to obtain any general formulæ which are enstartled on the 26th of September, by the occurrence tirely accurate. The present graphical method has of a very unusual phenomenon; an immense aerolite the advantage, however, of showing these conflicting had descended upon them. At first the impression results with admirable clearness, and it may be valuprevailed that the district had been visited by an earth-able in helping us to reach more uniform formulæ by quake or that a terrible explosion of natural gas had calling attention to the existing confusion, and the

#### +++++ CURIOUS FEATURES OF THE ELECTRIC LIGHTING BUSINESS.

The business of the voltaic arc light companies may of human nature. The picture presented by hundreds The meteor seems to have passed from the northeast of sub-companies spread over the country, living on to the southwest, and the noise of its passage, which prospects rather than profits, stimulates the observer was variously described as resembling the rattling of and invites the analyst. At the recent meeting of the heavy artillery over a solid roadbed or as a mighty National Electric Light Association, it was not difficult peal of thunder, washeard over a large area of country to see in which direction the profit lay. Those engaged in the neighborhood of Pittsburg and to the south. A in selling light exhibited the unmistakable evidences number of witnesses describe it as an immense mass of of depression, while their fellows who confine their fire, fully as large as the largest barns-and Pennsyl- efforts to the sale of electric lighting plant were corre-

size. A powerful flame of deep red color, which The first discussed economical processes with an intapered off into a darker tail, seemed attached to the terest that was profound and serious, as though their mass. This, however, is stated to have disappeared only hope of profit lay in a reduction of running exas the meteor came nearer, and the color of the mass penses, while the second looked on with ill-concealed

To those who have had the time and inclination to A mail carrier on horseback and a farmer who was study the electric lighting business, this will not be surplowing at the time both describe their animals as be-prising. They will have discovered that there is an after the fiery visitor had disappeared. It finally the electric lighting plant business is advertised but

of light selling.

A still more noted one is the Tucson meteorite, from Last week two large electric lighting plant com-

Bahia, Brazil, to contain 28 cubic feet, and to weigh 7 This company has now a great factory in New York tons. These weights and volumes would, however, be city, where large quantities of lighting plant are manuquite dwarfed by a comparison with those reported factured for those provincial projectors who are posfor the Pennsylvania meteorite. But there is probably sessed of robust bank accounts and adamantine credu-

Fortunes have been made in arc light apparatus, but An odd superstition clings to meteors, and many the only people who have profited, thus far, from the who witnessed this remarkable one were inspired with light itself are the gas companies, because its brilliancy

## STUDENT MECHANICS.

 $\mathbf{r}_{AGE}$  St. Petersburg has calculated that 4,950 pounds of not claim that they can supersede the workshop; but meteoric dust fall to the earth every hour, which they do claim, properly, that the inexperienced boy would make 59 tons a day, or more than 21,500 tons in can obtain in them a general knowledge of the characad ar by the fall of these "air stones," for the most of them older mechanics ever regret the smattering of theoretisiz fall upon unoccupied ground or into the sea. Relic cal knowledge of natural laws that they obtained at size hunters are reported to be already at work and car-school from the meager instruction afforded by the rying off the meteorite by piecemeal. This seems to text book on natural philosophy; and in after years indicate either that the mass was very much shat-isome of its statements-mere commonly known .... \$137: tered by its fall, or that it has a large predominance axioms—have been easy to quote, and beneficial to of stony matter, which would enable fragments to heed. Book knowledge on practical subjects may be would find difficulty in securing a souvenir from a and the best methods of doing a job. As a preliminary

Comparison of Great Guns
Prints
Some Easy Ways of Making Grain Plates or Surfaces for Photo Mechanical Printing Processes
Mechanical Printing Processes
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Nutritive Value of the Different Parts of the Grain of Wheat \$150 from the formulæ of different authorities.
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