General Pleasanton's Blue Glass necessary to its complete and Modern Miracles,-Public and "Discovery."

It is curious that, in the extended comment which Gen. Pleasanton's hobby has received from the press particular stages and particular prominent clergyman of this city of this vicinity, it has been treated wholly as if it were a discoverysomething hitherto unheard and undreamed of. The fact is that the action of blue glass upon the sun's rays was known long before the spectroscope came into use; and has been so thoroughly experimented upon and examined that General Pleasanton has added not one jot or tittle to the sum of knowledge already recorded in the premises. He has made the not infrequent, but always amusing, error of crying aloud as new an old discovery, and -Cincinnati Times, Feb. 12. of coupling with it old illusions long since dispelled.

We believe that for the first clear demonstration of a difference in character in the rays of the sun, science is indebted to one of our own countrymen-Prof. Draper, of New York. He established by clear experiments that the rays of heat and light were so distinct from the fall upon the object used in the experiment. In the chemical rays he recognized a new principle, or force, which he christened with the name of "tithonicity," the rays being called "tithonic." Further English experiments, however, wrested the right of sponsorship from Professor Draper, and conferred it upon Mr. R. Hunt, and the accepted title for the new force now is "actinism," and for the rays "accinic."

Long before the spectroscope came into use it was discovered that the actinic rays of the sun were wholly intercepted by red, orange and yellow glass; and that on the other hand, the rays of hea and light were not only intercepted, but that the actinic rays were actually made more powerful by passing through blue and violet glassthe light rays serving as a drag upon the actinic force. Photographers years ago made use of this fact, making the skylights of their studios out of blue glass to strengthen the actinic rays. The same reason explains why photographs can be taken as well on cloudy as on bright days-the clouds are the blue glass, intercepting the rays of heat and to the actinic rays.

The invention and appliance of the spectroscope extended our knowledge of this peculiarity of light, though not informing us of the ultimate cause. The red, spectrum were found to contain no actinism. It commences feebly in the green, becomes stronger in the blue, and is most abundant in the violet. It is found to exist also, very abundantly, in the dark space outside the visible spectrum—the ray-waves being of such extreme velocity that the eye cannot transmit them to the brain without retarding appliances.

If General Pleasanton had pursued his resources a little further that scientists were long since aware that the quantity of actinic force in the sun's rays varied greatly with different hours of the day, and with different seasons. It may be stated, as a general rule, that when the luminous is most abundant the actinic force is least, and vice versa, within proper limitations. The actinism is greatest in the early morning, and in the spring of the year.

But it is in the supposed effect of blue glass upon vegetation that General Pleasanton makes greatest error. When actinism was first discovered the idea prevailed (and this he has caught hold of) that to increase the actinism was greatly to quicken the germination of seeds and cuttings, and to assist in the formation of the coloring matter of leaves. Blue glass was therefore used, and is still used, in the hot-houses, for that purpose. Later and most conscientious exthat it is not the increase of actinism but the decrease of the light rays that hastens the germination. On the other hand it has been conclusively demonstrated that it is the red rays alone which produce the green coloring matter (the chlorophytine) to which we owe the health of the world, it being the passed the Nebraska Senate. Its

healthy growth.

the blue glass on human beings, At the noon prayer meeting in there may be something in it, for Farwell Hall, a few days ago, a conditions. It helps the plant to stated the case of a member of his germinate-it may help the infant church who claimed to have met in embryo; but the idea that it can with a special dispensation of healhave any general healing effect is ing. According to her statement, apt to be purely imaginary, and she had been paralyzed and dumb springs from a partial acquaintance for eight years, and one day she with the subject. Perhaps no suddenly became impressed with more appropriate comment could the idea that she must pray earnbe passed upon General Pleasan- estly for her recovery, as she had ton's "discovery" than Pope's oft- spent all her living on physicians, quoted coupler-

A little learning is a dangerous thing, Drink deep, or taste not the Pierian spring.

Japan the Paradise of Travelers.

to the extent of the foreign influ- a cracking in her joints, and a ence, we can have none as to the thrill, as if of electricity, through loveliness of Japan and the delight her bones, when, instantly she of traveling in the interior. Japan rose and walked out into another is the traveler's paradise. Through room, to the amazement of her chemical rays that the two might be a strange medley of pines and friends. Her health and speech separated, and only one allowed to palms, of rice and buckwheat, of appear permanently regained, and Mowers, Reapers, bamboos and elms, of tea and cot- her case is cited as an illustration ton; through azalea thickets and of what any person may receive camelia groves, across tobacco in answer to prayer, if the petition fields and past rock covered with is accompanied with a proper deevergreen ferns of a hundred kinds, gree of faith.—Chicago Corresponand crowned with grotesque re- dent Bridgeport (Conn.) Standard. mains; through tussac grass and forests of scarlet maple, and over mountains clad in rich greenery, you may journey in perfect peace, safe from violence, safe even from beggars, never troubled, never asked for anything, except by a civil policeman for your passport, and that with the lowest of low bows. The maidens say "Ohio" sweetly to Feb. 18, of quick consumption, DEBORAH to you in the villages as you pass, where eight years ago you might have been sliced up by the sharp swords of the Samurai. "Ohio" too, call the laborers in the fields, leaving their work to come and bow at the roadside, not as the Jap- surance of a glerious resurrection.—Com. anese bow to the Dutch, but with the bow of equal to equal, the bow

of infinite politeness. Without servant or interpreter, a Wark These Facts!! European can travel in safety throughout the land. The people and their houses have been described too often. One cannot but love their fun, their cleanliness, light, but affording ready passage their inborn sense of art. It is impossible to realize that the Japanese are real men and women. What with the smallness of the people, their incessant laughing chatter, and their funny gestures, one feels oneself in elfland. On a fine day orange and yellow rays of the solar the men appear as grinning demons in black tights, streaked all over with blue heraldry. On wet | noise has left." days the long rush coats and longsided straw hats equally remove all vestige of humanity. When we cents, but the medicine to me is worth a turn over Japanese pictures in our English homes we fancy that both the faces and the dress must be unlike real life. On the contrary, they are very like the old fashions of the wealthy class, with whom faces are as much made up and are as much a matter of fashion as are he might also have "dscovered" clethes. It is the country prople of Japan who are my elves-the tiny, jovial, copper-colored poor. length I would try to show that it may be looked at from a point of view from which it has not as yet been much considered. Japan is the last refuge of the joyous life. the last Sunday evening of its reign, and you may for a moment believe that even in Europe the joyous life is not extinct; but the move all acidity occasioned either by infun of the Thames is vulgar and the loose morals of St. Cloud are dle Ages may have been bad of good-in Europe it is gone, and let us speak well of the dead-but it was neither venal nor vulgar; that life still lives in Japan, where no paganism of antique grandeur dwells, but rollicking, unthinking fun. All who love children must love periments have, however, proved the most courteous and the most smiling of all peoples, whose rural derland, three kingdoms of merry

-A grasshopper draft bill has laboratory of nature which con- provisions give the supervisor the sumes the excess of carbon, and authority to call out all males berestores it in the shape of oxygen tween the ages of 16 and 60 years to -thus preserving the equilibrium | work, not exceeding ten days, in of the atmosphere. Thus, while destroying the little pests, and imblue glass helps the plant at partie- posing a penality for refusing to go ular stages, the full solar light is tout to work.

dreams. -Sir Charles Dilke, in Fort-

nightly Review.

private discussion has now taken As to the therapeutical effect of up the subject of modern miracles. and was nothing bettered, but rather grew worse, and could rely no further on human hopes and efforts for restoration. She dropped on her knees and began to plead in faith for relief. After a short interval, suddenly, to her great surprise, she heard a human voice, which proved to be her own Whatever may be our doubts as in prayer. Simultaneously she felt

DIED.

In Sugar House Ward, February 23d, 1877, of scarlet fever, STUART, son of Jacob and Margarette Gilson, in his 8th year.

At Paragoonah, at 12.30 p.m., on Sunday, L. P., wife of Hyrum . Stevens, aged 31 years, 10 months and 16 days.

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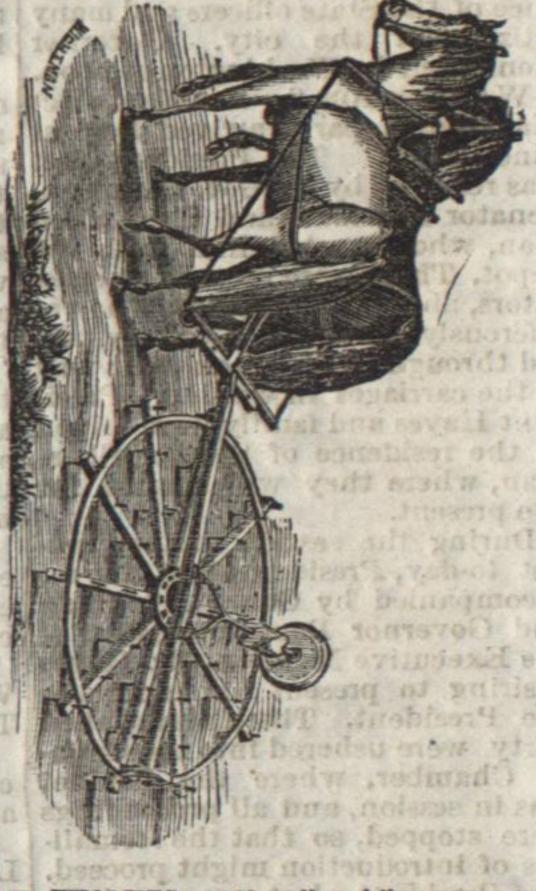
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