NEGLECT OF THE EYE.

Whatever an ounce of prevention may be to other members of the body, it certainly is worth many pounds of cure to the eye. Like a chronometer watch this delicate organ will stand any amount of use, not to say abuse; but when once thrown off its balance, it very rarely can be brought back to its original perfection of action, or, if it is, it becomes ever after liable to a return of disability of function or the seat of actual disease. One would have supposed from this fact, and from the fact that modern civilization has imposed upon the eye an ever-increasing amount of strain, both as to the actual quantity of work done and the constantly increasing brilliancy and duration of the illumination under which it is performed, that the greatest pains would have been exercised in maintaining the organ in a conbeen exercised in maintaining the organ in a con-dition of health, and the greatest care and solic-itude used in its treatment when diseased. And yet it is asfe to say that there is no organ in the body the welfare of which is so persis-tently neglected as the eye. I have known fond and doting mothers take

I have known fond and doting mothers take their children of four and five years of age to have their first teeth filled, instead of having them extracted, so that the jaw might not suf-fer in its due development and become in later years contracted, while the eye, the most intel-lectual, the most apprehensive, and the most discriminating of all organs, receives not even a passing thought, much less an examination. It never seems to cocur to the parents that the principal agent in a child's education is the eye; that though it gains not only in sense of the methods and ways of existence of others, but even the means for the maintenance of its own; nor does it occur to the parents for an instant that many of the mental as well as bodily attributes of a growing child are fashioned, even if they are not created, by the condition of the eye alone. eye alon

A child is put to school without the slight A child is put to school without the slight-est inquiry on the part of the parent, and much less on the part of the teacher, whether it has the normal amount of sight; whether it sees objects sharply and well-defined, or indistinctly and distorted; whether it be near-sighted or far-sighted; whether it sees with one or two eyes; or, finally, if it does see clearly and distinctly, whether it is not using a quantity of nervous force sufficient after a time not only to exhaust the senary of the visual orran, but of the perthe energy of the visual organ, but of the ner-vous system at large, -Dr. Edward G. Loring.

DEATH FROM AN ELECTRIC SHOCK.—An acci-duced of an extraordinary nature occurred on Tuesday night, Jan. 17, 1879, at the Holte theater, Aston, a suburb of Birmingham. The stage is lighted by two electric lights, and when the candles are not burning the connec-tions used for the purpose of crossing the cur-rent are hung up over the orchestra. After the performance of the pantomine, Mr. Bruno, the members of the band, when, presumably out of our osity, he caught hold of the two brass con-nections referred to; the man in charge called of the danger he was incurring. The warning, however, came too late: Mr. Bruno received the full abock of the electric current, generated by the danger he was incurring. The warning, how over, came too late: Mr. Bruno received the full abock of the electric current, generated by the lamps in the building and grounds. It is mid that the candles not being then burning, Mr. Bruno was unable to disengage himself, and pulled the wire down. The shock rendered in intensible. A medical man was at once and for, and restoratives were applied, but Mr. Bruno died in about 40 minutes afterwards.— *The Electricies*.

A NOVEL IDEA.

The idea of making a train lay down and take up its own rails as it moves along is not a new one, but an interesting realization of the progrees which is being made in that direction is now to be witnessed in the Jardin des Tuileries, Paris. The system is that of Clement Ador. The rails on either side of the carriages consist of a series of jointed pieces of rail, with flat of a series of jointed pieces of rail, with flat supporting pieces; they inclose the system of wheels, passing down over the front and up over the end wheels, and all the whoels have two flanges to prevent any derailment. In front the chains of rail are guided by two distributing wheels, which are governed by the traction, so that on pulling obliquely, right or left, the end-less way automatically follows the same direc-tion. At the end of the train, again, are two taking-up wheels, provided with differential motion to meet the difficulty of going in curves, which involves an extension of the rail on one side and a contraction of that on the other, so side and a contraction of that on the other, so that whatever the curve (to six or seven meters radius) the way is regularly put down and lifted.

lifted. From the mechanical point of view one is struck with the smallness of the force required to move a train thus arranged. In the Jardin des Tuileries the train consists of three carri-ages, capable of containing in all thirty children, and often full. These are drawn by two goats, which work thus for seven hours. The total load is rather more than a ton. To draw a like waicht in three carrieses on ordinary reads load is rather more than a ton. To draw a like weight in three carriages on ordinary roads would require a dozen goats, four for each vehicls. The economy of carriage, then, is in-contestable. The normal speed is three to four miles per hour. The system is, of course, not designed for passenger traffic, but for goods, and in many places, with bad roads or none, might be very serviceable.

CURIOSITIES OF THE LOCOMOTIVE. -- Our firstclass narrow gauge engines weigh, empty, 44,-000 pounds, and are worth 16 cents per pound. They will consume one cord of wood and 1,200 They will consume one cord of wood and 1,200 gallons of water per hour, and will generate 275,000 cubic feet of steam per hour, of a pres-sure equal to that of the atmosphere. Their heating surface is of the extent of the bottom of a boiler 34 feet in diameter. The strain upon the iron of the shell of boiler, to burst it open lengthwise of the boiler, is from 6,500 to 11,500 pounds per square inch under ordinary pre-sures. There is also an additional strain of about 4.000 pounds per square inch exerted about 4,000 pounds per square inch exerted lengthwise of the boiler to pull it apart cross-wise. The whole pressures exerted against all the internal surfaces of the boiler amount to 20,000,000 of pounds or 10,000 tons. The crown 20,000,000 of pounds or 10,000 tons. The crown sheet of furnace, alone, carries a load of 120 tons! The usual distance traveled by the loco-motive, being in motion but about one-eighth of the time, is equal to once around the globe every year. In going 60 miles an hour, 88 feet are traversed per second, five revolutions of the driving wheels are made requiring 20 strokes of the piston, and 20 intermediate periods of action of the valve, equal to the division of a second into 40 parts.

the danger he was incurring. The warning, however, came too late: Mr. Bruno received the full shock of the electric current, generated by a powerful battery which supplies the whole of the lamps in the building and grounds. It is aid that the candles not being then burning. Mr. Bruno was unable to disengage himself, and pulled the wire down. The shock rendered him insensible. A medical man was at once sent for, and restoratives were applied, but Mr. Bruno diel in about 40 minutes afterwarda. *The Electrician.* A necessar course of experiments made to de-tore subie toot of ordinary 16-candle coal gas will develop 318 heat units, while water gas will give only about 136.6 heat units per cubic foot.

A GLACIER IN COLORADO

A gentleman who has during the past two years traversed the mountains in the vicinity of Leadville, and penetrated almost every one of the secret receases, informed a Herald reporter the secret receases, informed a Herald reporter yesteriay that there is within 25 miles of this city one of the most interesting curiosities of nature—a veritable glacier, presenting all the characteristics of the glaciers of Switzerland, both in magnitude and motion, its progress be-ing gradually down the gulch. The scene of this curiosity is located in the Mosquite range, about 15 miles north of the pass. Our inform-ant states that he first discovered it about three years aco, when out on a presenceting toor. It about 15 miles north of the pass. Our inform-ant states that he first discovered it about three years ago, when out on a prospecting tour. It was then nearly a mile in length, and at the bottom of the gulch presented a sheer precipice of ice not less than 150 feet in hight. Later in the season the place was visited again, when it was found that the great mass of ice had melted until at its face it was not more than 100 feet high, the loss from the surface reduc-ing its length to about half a mile. Again, early in the following year, the place was visited, and the glacier was found to have re-gined its bulk, showing that the accumulation of ice and mow during the winter was about one-third its gross bulk. The rocks on the sides of this immense mass yound all controversy that the glacier is in motion. Indeed, the earth at the foot of the glacier, heaved up in great masses, shows that it is gradually moving down the gulch into the valley. During the summer a large stream of water flows from the face of the ice cliff. Our informant is of the opiation that the glacier, as it progresses out of the deep gorge in which it was formed, will slowly melt away, and that it will not has many years. It is out of the way of ordinary travel, and the route to the scene is exceedingly difficult, so that it is on the likely to be visited except by prospectors and hunters.— *Leadville Herald*.

A NEW ELEVATED RAILEGAD, -Mr. Charles Leavitt is exhibiting in Cleveland, Ohio, work-ing models of an invention which promises to do away with many of the objections urged against elevated railways. It is described as dispensing with the inconvenience of tracks in streets by substituting an elevated trues work sustaining a single or double track, as may be desired, the cars being suspended under the track and oning to within about a foot of the pavement. The tracks travel upon the elevated track with an easy, smooth and almost noiseless motion, and are so secured that they cannot be track with an easy, smooth and almost noiseless motion, and are so secured that they cannot be forced from the rails. The appliance for pro-pelling the cars consists of an endiess steel wire cable, which extends the entire length of the road above the track and runs in a circle, so that cars upon one track are drawn in one direc-tion, those upon the other is the opposite di-rection. The motor is a stationary steam engine, situated at one end of the road, which works directly upon the cable. The cable is attached to or detached from the trucks of the car by a clamp device, which admits of starting or stop-ping the car at any point.

A LARGE LAKE DRIED UP.—Where at one time, says the Euroka Leader, was Ruby lake there is at present not a drop of water. This sheet of water, soven or eight years ago, was from 18 to 20 miles in length, and varied in breadth from half a mile to two or three mile, and was in a number of places very deep. It was fed by numberless springs slong the foot of Ruby mountain, and was the largest body of water in cestern Nevada. For a number of years past it has been gradually drying up, until at last it has entirely disappeared. What has been the cause of this is a mystery. The Ruby range of mountains is considered the largest and finest between the Rockies and the Sierra Nevadas, and besides being well wooled, has been the best watered range of mountains in Nevada. A LARGE LAKE DRIED UP .- Where at one

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