## 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 chronotneter watch this delicate organ will stand any amount of use, not to say abuse; bnt when once thrown off its balanoe, it very rarely can be brought back to its original perfection of aotion, 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 thatmodern civilization has impoued upon the eye an ever-increasing amount of atrain, 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 greatent pains would have boen exercised in maintaining the organ in a condition of health, and the greatest care and solicitade used in ita treatment when diseased. And yet it is safo to say that there in no organ in the body the welfare of which is so peraistently neglected an the eye.
I have known fond and doting mothers take their children of four and five years of ago to have their first toeth filled, instead of having them extracted, so that the jaw might not suffor in its due development and become in later years contracted, while the eye, the most intellectual, the most apprehenaive, and the moat disoriminating of all organs, receives not even a passing thought, much lens an examination. It never seems to oocur to the parente that the principal agent in a child's education in the oye; that though it gains not only in sense of the methods and wnys of existence of others, but even the means for the maintenance of its owni nor does it oocur 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 oreated, by the condition of the cye alone.

A child is put to school without the alighteat 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 seen objeota sharply and well-defined, or indistinotly and distorted; whother it bo near-sighted or farsighted; whether it sees with one or two syes; or, finally, if it does nee cloarly and distinctly, whether it is not uning a quantity of nervoun foroe nufficient after a time not only to exhaust the energy of the visual organ, but of the nervous nystem at large, - Dr. Bheard G. Lering.

Death phom an Elrotric Shock.-An aceident of an extraordinary nature oecurred on Tuenday night, Jan. 17, 1879, at the Holte theater, Aston, a auburb of Birmingham. The atage is lighted by two electrie lights, and when the candles are not burning the conneetiona used for the purpose of crossing the cur rent are hung up over the orchentra. After the performance of the pantomine, Mr. Bruso, the euphonium player, wan leaving with the other members of the band, when, preaumably out of curiosity, be caught hold of the two brass connectiona referred to; the man in charge oalled out to him with the object of warning him of the danger he wat incurring. The warning, however, oume too late; Mr. Bruno received the full ahock of the electric ourrent, generated by a powerful battery which supplies the whole of the lamps in the building and grounds. It is naid that the candlea not being then burning Mr. Bruno was unable to disengage himself, and pulled the wire down. The ahock rendered him insenaible. A medical man was at once sent for, and reatoratives were applied, but Mr. Bruno died in about 40 minutee afterwarda The Electrician.

A mecent course of experiments made to determine the heating power of gas shows that one cubie foot of ordinary 16 -candle coal gas will develop 318 heat units, while water gas will give ouly about 139.6 heat unita per cubie foot.

A NOVEL IDEA.
The idea of making a train lay down and take up ita own rails as it moves along is not a now one, but an interesting realization of the progreen which is being made in that direction is now to be witnensed in tho Jartlu dus Tuileriea, Paris. The system is that of Clement Ador. The railn on either side of the carriages consiat of a series of jointed pieces of rail, with flat aupporting pieces; thay inolose the syatem of wheels, passing down over the front and upover the end wheels, and all the wheels have two flanges to prevent any derailment. In front the chains of rail are guided by two diatributing wheels, which are governed by tho traction, so that on palling obliquely, right or left, the endless way antomatically follown the same direction. At the end of the train, again, are two taking-up wheels, provided with differential motion to meet the dificulty of going in curves, which involven an extension of the rail on one side and a contraction of that on the other, ao that whatever the curve (to aix or seven meters radias) the way is regularly put down and lifted.

From the mechanical point of view one in struck with the smallness of the foreo reguired to move a train thus arranged. In the Jardin des Tuilerion the train eqnaista of three carriages, capable of containing in all thirty chiliren, and often full. These are drawn by two goata which work thun for aeven hours. The total load is rather more than a ton. To draw a like weight in three earriagen on ordinary roade would require a dozen goats, four for each vehicle. The economy of carriage, then, is incontentable. The normal speed is three to four miles per hour. The syatem is, of course, not designed for pasaengor traflic, but for goods, and in many places, with bad roads or none, might be very serviecable.

Cuniosities of tife Locomotive-Our firatelasa narrow gauge enginee weigh, etapty, 44. 000 pounds, and are worth 16 oenta per pound. They will conaume one cord of wood and 1,200 gallons of water per hour, and will generate 275,000 oubic feet of ateam per hour, of a pressure 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 11,800 pounds per square inoh under ordinary prossures, There is also an sdditional strain of about 4,000 pounds per aquare inch exarted lengthwise of the boiler to pall it apart oroanwise. The whole prensures exerted against all the internal surfaces of the boiler amount to $20,000,000$ of pounds or 10,000 tons. The crown sheet of furnace, alone, carries a load of 120 tonal The unual diatance traveled by the loeomotive, being in motion but about one-eighth of the time, is equal to onee around the globe every year. In going 60 milen an hour, 88 feet are traversed per neoond, tive revolations of the driving wheels are mado requiring 20 atrokes of the pinton, and 20 intermediate periods of action of the valve, equal to the divinion of a weoond into 40 parts.

Tue Hunaon Rivzi.-As originally propoeed, the Hudson River tunsel would have been a aimple bore, large enough to nocommedate two railway track. Lately the company have changed their plan, we are informed, and there will be two amall bores instead of one large one. These will be bored throughout with threeeighthinch iron plates. One reazon for the change is that small tannels will be stroager than a largo one. The tunnela will meet and overlap about a foot. When they meet, the briakwork will form a partition and hold ap the structare mo that it will suatain a greater peenaure from above and from the sides. Is is belived that the workmes can proceed fanter than by the old method, and that the werk ean be cooner completed thas was at first anticipated.

A GLACIER IN COLORADO.
A geatlemin who ham during the pant two years traversed the mountains in the vicinity of Loadville, and penetrated almost every ono of the secrot recensea, informed a Henuld reporter yeeierciay that there is within 25 milea of this city one of the most intereating curionition of nature-a veritable glacier, pronenting all the eharacteristica of the glaciers of Switzerland. both in maguitude and motion, ita progress being gradually down the guleh. The soene of this curioaity is located in the Monguito range, about 15 miles north of the pase. Our inform. ant atates that he first disoovered it about three years ago, when out on a prospeoting tour. It was then nearly a mile in length, and at the bottom of the gulch presented asheer procipice of ice not less than 150 feet in hight. Later in the season the place was virited again, when it was found that the great mass of ice had melted until at ita face it was not more than 100 feet high, the loss from the surface redueing ita length to about half a mile. Again, early in the following year, the place was viaited, and the glacier was found to have re gained its bulk, alowing that the acoumalation of ion and snow during the winter was about one-third its gross bulk.

The rooks on the siden of this immense maen of ice show the marks of attrition, proving beyond all controveny that the glacier is in motion. Indeed, the earth at the foot of the glacier, heaved up in great masees, shows that it is gradually moving down the guleh into the valley. During the nummer a large strean of water tlows from the face of the iee eliff. Our informant is of the opiaion that the glacier, as it progressen out of the deep gorge in whioh it wan formed, will slowly melt away, and that it will not last many years. It in out of the way of ordinary travel, and the route to the moene fo exceedingly diffioult, no that it is not likely to be visited exeept by proapectors and husters. Leadville Herald.

A New Elayatrd Rathoab,-Mr, Charlen Leavitt is exhibiting in Cleveland, Ohio, work. ing modela of an invention which promises to do away with many of the objections urged againat elevated railways. It is deseribed as dispensing with the incosvenience of trackn in atreets by anbatituting an elevated truse-work austaining a ningle or double traek, as may be desired, the gars being suspended under the track and ofing to within ahout a foot of the pavement. The truck travel upon the elevated track with an eany, smooth and almost noiselese motion, and are so secured that they cannot be forced from the raile. The appliance for propelling the cars consints of an sudlesesteel wire cable, whieh extends the entire length of the road above the trick and rusis in a cirole, so that carn upoe one track are drawn in one diree. tion, those upon the other is the opposite direction. The motor is a ntationary steam engiae, vituated at one end of the road, which work direetly upon the sable. The cable is attached to or detached from the trucks of the ear by a clamp deviee, which admits of starting or atopping the ear al any point.

A Lahor Lake Daisd Up,-Where at one time, says the Burakn Leader, was Ituby lake there is at prosent not a drop of water. Thia sheet of water, moven or eight yoars ago. was from 18 to 20 miles in leagth, and vared in breadth from half a mile to iwo or three miles, and was in a number of places very deep. It was fed by namberless ajpingus along the foot of Huby mountain, and was the largont body of water is eastern Novaila. Vor a number of years paat it has been gradaally drying up until at last it has entirely dinappeared. What has been the cause of this is a myntery. The Buby range of moantaina is considered the largest and fineat between the llockies and the Sierra Nevadas, and beeides being well wooded, has heen the best watered range of monntaina in Nevaila.

