THE ELECTRIC LIGHT VERSUS GAS

The production of elect has occufrom coal is a problem with ablest in-pled the closest attentio could the enorventors for many yearjal be made to mous energy latent igy by means of a appear as electric e apparatus, which simple transform its with reasonable secomplishes its die conceded, probably seconomy, it will be conceded the content of the content that the mech d be revolutionized thereby, and the another of those grand steps of ogress would be taken, of which the nineteenth century so justly

The simple production of a potential difference by means of heat is as old as Leeseck and Melloni. The science of thermo-electricity thus originated has been developed by Becquerel, by Peltier, by Thomson and by Tait, and the thermo-batteries of Clamoud and of Noe have results already attained in these generators have stimulated research marvellously, and many investigators have be-lieved that in this direction lay the philosopher's stone. Our fellow-member, Moses G. Farmer, worked long and assiduously in this field, pro-ducing, it is believed, the most satisfactory results as regards economy which have everywhere obtained. But even these results were not very encouraging. He never succeeded in converting one per cent of the energy of the coal into electric energy. Quite recently Lord Raleigh the law of efficiency of the thermo-bat-tery from the standpoint of the second law of thermodynamics. And he coneluded from a copper-iron couple, working between the extreme limits of temperature possible for these methods a conversion of not more than one three bundredth part of the coal energy can be hoped for. As a heat engine, therefore, the tnermo-cell appears to follow presidely the law of Carnot, and hence can have at the most no higher efficiency than the reversible engine of this eminen whitesopher.

If, therefore, the result hoped for is to be attained at all, it must be looked for in some other direction. In considering the matter, another line of investigation than fallow inch. As me the results of them. It has long been known that the magnatism of the magnatism of the magnatic metals, and especially of iron, cobait and nickel is markedly affected by heat. According to Becquerel, nickel loses its power of being magnatized at 100; iron at a cherry-red heat, and cobalt at a white heat. Since whenever a magnetic field varies in strength in the vicinity of a conductor a current is generated in that conductor, it occurred to me that by placing an iron it occurred to me that by placing an iron core into a magnetic circuil, and, by varying the magnetizability of that core by varying its temperatures, it would be enced hand. It is also protected against to generate a current in a coil of wire surrounding this core. This idea constitutes the essential feature of the new generator, which, therefore, I have called a pyromagnetic.

This principle of utalizing the variadon of magnetizability by heat as the learly applicable to the generators, was rst applied to the construction of a simled a pyromagnetic motor. A descripion of this motor will help us to understand the generator subsequencly con-

Suppose a permanent magnet, having a bundle of small tubes made of thin iron placed between its poles and capable of rotation about an axis perpendicular to the plane of the magnetic, after the fashion of an armature. Suppose, farther, that, by suitable means, such as a blast or a draught, hot air can be made to pass through these tubes so as to raise them to through these tubes so as to raise them to redness. Suppose that by a flat screne, symmetrically placed across the face of this bundle of tubes, and covering onehalf of them, access of the heated air to ws that if this screne be so adjusted that its ends are equidistant from th legs of the magnet, the bundle tubes will rotate about the since the cooler and magportions of the tube-bundle, is, those beneath the screne, be equidistant from the poles and but if the screen is turned about the axis frotation so that one of its ends is sarer the other, then rotation of the or the screen, which is cooler and therefore magnetizable, is continually more strongly attracted than the other and heated portions. This device acts, stefore, as a pyromagnetic motor, heat now passing through the tubes in such a way as to produce a dissymmetry in the lines of force of the iron-field, the rotation being due to the effort to make these symmetrical. The guard plate in his case has an action analagous to that of the commutator in an ordinary armaure. The first experimental motor constructed on this principle was heated means of two small Bunsen blowers, ar-ranged with an air blast, and it developed bout 700-foot pounds a minute. A secnd larger motor is now about finhed, which will weigh nearly 1,500 sunds, and is expected to develop about bree-horse power. In both th nes electro-magnets are used in place of permanent magnates, the current to energize them being derived from an external source. In the latter machine, the air for the combustion is first forced through the tubes to aid in cooling them, and then goes into the furnace at a higher

Electricity versus Gas. New York World: A reporter interviewed Prof. Barrett to get some facts and figures as to the cost of lighting the city by electricity Prof. Barrett said: "It safe to say that one electric light would alsplace seven gas lamps. But outside the thickly populated sections we would use tower lights, which would displace a much greater number. One tower would much greater number. One tower would light a radius of one-fourth of a mile in would take about seventeen towers for outh side, and an equal number for north side, and twice that number the west side, or about fifty-eight in This would furnish about four-ths of the light required for the city, sing about 1,260 electric lamps reabout 1,260 electric lamps re-ulted to light the remainder of the city. See lamps would furnish vastly more get to the city than it now gets from the lamrs, and for this reason: A gas

aperature.

Production of Electrecity Directly From Coal Discussed by Edison.

While an electric light is 2,0 mes as power, or mre than a hundred about power as a second power about power as a hundred about power about power as a hundred about power as

as much light as ataghts.

wire. In order that the lamp by copper wire. In order that the lamps may not be destroyed by a current of too high intensity, a "low" current is used, necessitating a large copper wire, the cost of the copper when long distances are to be covered, forming an important item in the expense of instalment. The Westinghouse company starts out with a very small wire of comparatively trilling cost and a current of high electro-motive force or intensity. In order not to burn out its lamps with such a current, recourse is had to a "converter," an apparatus placed where the wires enter each building or group of buildings, and used to convert the high tension current into one just right for the lamps used. This converter works upon the induction principle—the strong current in the street wire inducing a weaker current in the house wire merely proximity; there is no direct connection between the two. Between the Edison and the Westinghouse companies, more than 100 towns in the United States now use the electric light, the total number of lamps in use at present being estimated at 300,000.

Music by Electricity. Electrical Review: Organs, if used in theatrical performance, are placed in the scenes so that the organist cannot follow the movements of the conductor, and hence experiences a certain difficulty in accompanying a chorus. This inconven-ience has been suppressed at the theater of Nantes. Thanks to the use of electricity proposed by M. Debierre the keyboard will be placed in the orchestra, while the pipes, etc., remain in the scenes. The stops will be regulated by

A New Marine Guide.

San Francisco Call: Mr. Leon Sirieix, a music teacher and composer of this city, who devotes his spare moments to the study of the mysteries of magnetism, is the inventor of a compass, which it is said by a number of scientific gentlemen located here, must supercede the old style of mariners' compass now in use. demonstrating the difference yesterday to a large number of persons he had the two compasses—one of each kind— mounted on an iron box to represent the sides of a ship, having a powerful magnet on each side, one with the positive and the other with the negative side neutralized. In the ordinary compass, the variations of the needle were as follows:

With the ship on a northerly course, 48° a southeast course, 99\*\*Least course 65° improved compass there was no variation. The magnetic variation in San

Mr. Sirieix in explaining the principles of his compass said: This compass will compensate all influence derived from permanent magnetism and induced magnetism. It will protect the compass needle against the trouble known as "running crazy." The adjusting is rendatmospheric disturbances. The "heeling" error is also overcome. It will be found true in any state of temperature. Any load of iron put on board of or taken from the ship will not necessitate the displacing of any bars, but will require only the touch of a screw to readjust it, so as to allow the ship to continue her course t can be set at any place on board ship that is to say, there is no particular place an board where it must of necessity ! set. It does away with vertical bars in front of the binnacle, magnets for com-pensation around the binnacle, iron cor rectors and boxes filled with chains out ide the binnacle. In one word, it wi be found that under all circumstances, will point to the true magnetic north.
When a vessel is on its way north or
south, each degree passed creates a deviation, which must be corrected by the captian by means of a screw. The old compass cannot be corrected, but the captain has a table of deviations which

keeps him busy making calculations.
The principle is collecting all of the magnetism on board the ship, either c vessel or cargo, and neutralizing those forces, thus allowing the needle to follow its natural direction of magnetic north.

Electric Lighting in Europe. Electrical Worlds The prospects of electric lighting in Europe are brighter than they have been for some time. There is a demand for apparatus in Spain, activity prevails in Austria, some large installations are progressing in England, while in the land of the "unspeakable Turk" a "powerful syndicate" has been formed to push electric lighting, begin ning with a 50-years' monopoly in Constantinople. In England, especially, im work is ahead: and we judge, from the stray accounts of the work being done at Leamington, that the plant there will be an unusually large one. It is high time that England had severa central electric lighting stations; and their construction is evidently nearer at hand than seemed possible a few month

Effect of Eectric Light on Books Prof. Wiesner of Vienna has just called attention to an inconvenience attending the use of electric light in libraries. has been found that a large number of work in the library of the Technical School had become very yellow, and this led the director of the establishment to

ask Dr. Wiesner to ascertain the cause of it. Experiment has shown that the col-oration is due to light, but that it occurs only with paper containing ligneous substances, such as wood, straw, and jute and that it does not take place wher through some chemical process, the lig that forms the essential part of th wood is removed. The yellowing is du to a phenomenon of oxidation. acts more energetically than dispersed daylight, which itself exerts but a very slight action when it is much diffused, and especially in a very dry room. Gastight is nearly narmless, by reason of the few refrangible rays that it contains. On the contrary, as the arc electric light, and, in general, all intense luminous sources, emit numerous refrangible rays they favor the yellowing. As regards the preservation of papers, then, it will be well to choose gas rather than the elec-

A New Electrical Device.

New York World: The omniprese aggressiveness of applied electricity one of the most startling features of modern science. Not content with creating a revolution in the useful ar electricity has entered the domain sport. A device has been perfected in England whereby an angler is no longer obliged to watch his tackle nor keep his fingers on the fish-line. A small trical contrivance is so arranged that a

slight pull closes the circuit and rings the bell. The fisherman is thus enabled to flirt, take a pap, read a novel or even play poker with no danger of losing his fish.

But will the true sportsman care to make use of this remarkable invention? Will he be willing to pose as a central office to be "called up" at intervals by office to be "called up" at intervals by tinny victims at the other end of the line? Anglers are, as a rule, a conservative class and will hesitate, doubtless, to make an ally of electricity in their piscatorial sports. In fact, the present administration at Washington has protested indirectly against what may be called progressive ideas in angling. Mr. Cleveland, it will be remembered, never uses manufactured flies when he fishes for trout, but loyally baits his hook with worms. It is probable, therefore, that he will look with favor on a device so radically modern as an electric bell attached to a fishline. And, indeed, it would hardly be dignified for the president of this great republic to sit on a bank and, like a mesrepublic to sit on a bank and, like a mes-senger boy, feel obliged to answer a sud-den summons from a bell near at hand. Altogether, there seems to be little doubt that the new device will fail to find a footing in this country, unless an icon-oclastic regime at Washington should succeed that which now sets the piscatorial fashions of the country.

IMPIETIES.

When a man attends service and squares himself for a good snooze when the preacher

himself for a good snooze when the preacher commences his sermon, especially it it is one ne delivered a few Sundays previous, he is not going to regard the whimpering of a baby in an adjoining pew as a musical treat.

"And now," concluded the clerzyman, after a long discourse, "we have seen that millions on millions of people have been benefited by following this scriptural injunction." Just then Lawyer Stubbs woke up long enough to say in a sleepy manner: "Move that the injunction be made permanent."

"Where did you get all those buitons?"

nent."

"Where did you get all those buttons?"
asked a lady of a little boy who had 10.0 or
more on a string. "Why," was the reply,
"don't you know pa is a minister?" "Yes,"
returned the lady, "but what has that got to
do with it?" "Everything." said the boy;
"because he has the sorting of the collection
basket."

A clergyman calling on a Washington street family was ushered into the parlor, where Miss Betty was scated at the planowhere Miss Betty was scated at the plano-forte. He asked the young lady, a member of his bible class, to "play one of her favor-ites." "I'm not playing favorites any more," she said. "I'll take the field against them every time."

Clergyman—"How is your health this summer? I trust you have been well during the sultry weather." Undertaker—"pretty well, thank you." Clergyman—"And how is business?" Undertaker—"Poor, poor. I havn't buried a living soul for weeks."

"Come, Bobby," said the old gentleman, "you must go to church this morning. When I was a boy, your age, I had to go to church twice every Sunday," "I s'pose I'd go to church twice every Sunday, too," said Bobby, beginning to get ready—"if I had to,"

Minister's wife (packing the trunk for va-cation)—"Now, dear, give me all the heavy articles first, as I want to put them in the bottom of the trunk," Minister—"All right. O, by the way, here are my sermons, which I am going to take along; where will you put them?" Wife—"Well, I guess I'll put them in the bottom."

Ideas of duty differ according to the atmosphere in which we are living. It is re-ported in a Richmond paper that the man-ager of a wrestling match in the Pavillion thertre opened the exercises by saying: "I want all of you people to enjoy yourselves, and as we are passing on through life's journey toward eternity it is our duty to indulge in recreation and pleasure. I hope you will all remain quiet." We have frequent reasons to observe that general religious work among all classes of the community has greatly inall classes of the community has greatly in peased familiarity with religious ideas and

PEPPERMINT DROPS.

When cigarettes their vapors blow
In people's throats and choke them,
It is some comfort slight to know,
They kill the dudes that smoke them. There is no use crying over spilt milk.

may be three parts water.

A New York dog junches on tacks. be a pointer by this time. A half grown shark is said to be good eating. The full grown is admitted to be a good

Fine feathers in a chicken salad are apt to a man at dinner feel down in nis Animals have pretty much the same gait. They all walk, trot, run or lope, but there's

only one goat. A school-girl upon being asked by the teacher to define a hollow mockery, promptly replied, "a bustle." While the summer girl is at Nantasket

breasting the wave her good old mother stay at home and stems the currant. The most economical man has been be from. He tried to pawn a coat of tar and feathers, the gift of his neighbors.

A Colorado girl mistook her lover for bear and filled him with shot. He weigh more than he did, but is not handsomer. "John," said the wife of a Kentucky ed tor, 'your patent combination pocket knift is all rusty—all but the corkscrew part."

Some of these days the American toy pisto will be introduced into French duelling will be introduced into French duelling warfare, and then somebody will get hurt. A man in Clare, Mich., was told that dogs would not . o mad if given plenty of water. He threw his neighbor's dog into the well. An Indiana woman put her foot down and prevented a railroad company building on her property. This speaks well for the In-diana foot.

If we would annex Canada, where would our cashiers go? It would make some of them seasick to cross the ocean, to say nothing of the expense.

A Spanish officer has invented a war boat that will stay under water four days. Our navy can beat that. We have boats that can The railroad man who loses his position because of "color blindness," will not be sent to the store by his wife to match silks, and that will afford him some consolation,

anyway.

It never rains but it pours on the farm of Myron Huskings, of Maple Grove, Mich. The other day Mrs. Huskings gave birth to triplets, two of his ewes to uve lamps, and the family cat to seven kittens.

Owing to the persistent call for "white meat, please," at the summer resorts, a down east farmer is practicing on his chickens in hopes of inventing a breed of fowls that are double-breasted in the back. Early citizen-Horrible murder across the treet during the night, wasn't it?

(who is supposed to have been on all night)-Don't know anything about it; I naven' seen the morning papers yet. A machine has been invented that will sew on 3,000 buttons in a day. No one seems to know yet whether or not a marriage license for that sort of a machine costs more than one for the other kind.

The foolish virgin in the scriptures came with no oil in her lamp. Now she comes with a four-gallon can of kerosene to pour on the kitchen fire, and her funeral expenses are added to the loss of the oil. "My friends," said a temperance lecturer lowering his voice to an impressive whisper
'if all the grog-shops were at the bottom o
the sea, what would be the result?" And
the answer came: "Lots of people would
the sea what would be the result?"

They were talking about expenses and how come men get rich. Said one: "My butcher and baker have made money enough out of me to build themselves splendid houses." Responded the other: "The barkeepers I patronize have built whole blocks out of what I owe them."

A Dakota paper thus stabs its hated rival "A man living about twelve miles from here died from poisoning Monday afternoon. It seems he ate a lunch that had been wrapped in a copy of our loarhed and disgusting contemporary, and it killed him. Others should take warning."

An lowa editor closes an rhapsodical eulogium of his state in the following style: "When the roll call is sounded on the judgment day, and the heavens are rolled together as a scroll, and the reverberations of wrecked and rulned worlds peal forth the fiate of eternal rest, I want to hang my weary bones on the gally-rack of immortality and register in four-line pica as a man from lows."

AUCTION----WHOLESALE, ONLY

On Wednesday, August 31, 1887,

A 10 a. m., at Our Warehouse, 208, 210 and 212 S. 11th St., Omaha, Neb., Paddock's Building.

Over \$25,000 worth of clothing, mens' youths' and boys, Overcoats, odd coats, vests and pan in great variety; also a large line of Hats, Caps, Suspenders, mens' Shirts, Drawers, Ovells and Furnishing Goods of all kinds. Large line of Shoes, regular sizes and cases. This our opening Fall sale, and we wish the support of all retailers, both in and out of town We aim that we can save you from 25 to 33 1-3 per cent on regular prices, besides freight. andre annoyance of having to wait for goods. You can buy from us as you need the goods. All pods will be represented as they are and damaged goods will be sold as such, and we will ake back any goods which are damaged if sold as perfect. We buy no goods; all are consignd to us by eastern manufacturers, and they are FOR SALE. Each and every LOT OF-FEED WILL BE SOLD. From Sept. 1st, we will hold, every Tuesday, a boot and shoe saleand every Wednesday, a sale of clothing, dry goods and notions. The trade at large is cordly invited to attend our opening sale. We Have Come to Stay.

KOHN & WELLS.

# CHOSTS, SPOOKS AND DREAMS.

Results of Occult Influence or Talentel Liars.

PRESENTMENTS ANDWARNINGS.

A Safe Burglary Seen in Sleep-Picturesque Spook Story From Denmark-How the Deil Looks -Fragrant Angels.

A Burglar Seen in Dream. Chicago Mail: "I'm ro believer in

spiritualism, and I'm not superstitious,' said Dr. F. B. Fonda, of Jefferson park but the warning given me about the burglary of my safe is something I can not explain at all. Twice this summer l have been prostrated with the heat, and last week from Thursday until Sunday, I was quite ill, and confined to my house. These abnormal conditions probably predisposed me to receive the warning. Saturday night I dreamed three times hand running that I caught a man stooping over the back of my prescription desk. dresmed that I got hold of him and turned his face up. I saw his face but did not recognize him in my dream My daughter, who is also my beakeeper, was away on her yosatton, and I had a young man named Thomas acting in her

"Sunday morning I came down to the drug store to help him straighten out the cash, which had got in a snarl. During the afternoon I was consulting with Law-yer Mark Reynolds about some papers which he had drawn up for me, when I the Grug Lair an impulse to go down to go down to the stoire, tall and, 'I must wrong with the safe,' 'Ob,' nouschise:

"Then I told him about my dreams and he laughed at me, but nothing would do but I must go down to the story. On the way I met Mr. Louis Goven, and h wanted to stop and talk for a minute, but somehow I couldn't. I found the front door locked. I opened it, and just as I entered I saw a man's head over the top of the counter. I thought it was Mr omas, the clerk, so I said: 'Hello, Lou, what are you doing here?" He made no answer. I said: What did you lock what are you doing here?" He made no answer. I said: 'What did you lock yourself in for?" Still no reply. I went back and tound a man crouching behind the counter with his hands full of money ust in the attitude I had seen In my I turned him around, and there was the same face I had seen. I was so aken aback that I didn't know what to lo, and she man broke away from me. Revnolds caught him, and with the ssistance of some gentlemen who were passing by he was secured. "He was my own hostler, Charles

Williams, whom I had n my employ for two years. He declared that he and my bookkeeper were in 'collogue,' and that the bookkeeper had given him the com bination, and that they were to divide up. That is an infamous attempt to run the reputation of a good honest young man. The safe was on the quarter turn, and a man didn't need to know the combination to get it open. I went on Thomas' bond myself when he was arrested on suspicion. Williams was taken to jail yesterday. All the money stolen, \$211.67 in cash, and about \$100 in notes, was recovered and all right. The marve though, will be my wonderful impression of the event. I'm not a prophet nor the son of a prophet, and never have taken any stock in mediums or astrologists, who, according to their advertisements foretell the past, present and future.'

Denmark Spooks on the Rampage The Medium and Daybreak contains the following from the pen of H. L. Han-sen. of Kjoge, Denmark: The haunted house in Ny Tolbodgade is, perhaps, destined to act a similar, if not superior part as a matter of sensation, as was the case some years ago with the well known ouse in Laxegade, where 'the devil was loose. There, if we are correct, the haunting only lasted for some days; but in Ny Toldbodgade it has now gone on for months, goes on till this day, and the story of the little boy, amusing himself by chiming the door-beils and then running away, is now unanimously de clared to be apochryphal. Almost every evening and every night the family in the said house are troubled with strange sounds, partly in the rooms, partly on the staircase. Knockings are heard in the walls, loud scratchings apparently issuing from the same; pieces of furn two iron chairs, which stand on the land ng, are literally flung up and down stairs, etc. The inhabitant of the house 1 goodly situated merchant, Norwegian birth. Several witnesses have been resent, among them people of indisput able veracity, who most positively con-firm the truth of these mystical phenomena. A high policeman has on one oc casion been present and heard various sounds mentioned, and he himself saw one of the iron chairs being hurled down stairs by an invisible power. He was accompanied by a spiritualist. This person invoked the 'spirits' and made them manifest their presence through various sounds, knocking, scratching, etc. The policeman set watchmen around the house and myestigated personally the different phenomena without iscovering any natural cause whatever. He then sent the said 'spirit-conjurer' off together with all present, and how he himself communicated with the 'spirits' and got their answers through knocking, etc. The Norwegian gentleman tell horrible things of what he has witnessed

One night came suddenly a large and

heavy iron stand from an adjoining room, floating through mid-air into his and his wife's bedroom. He arose, and moved with some difficulty the

curious night-bird back to its place. Both his wife and two children witnessed this occurrence. What here has been told will, of course, seem highly incredible to the readers, but we repeat that fully reliable eye-witnesses have given con-firmatory report as to the facts. The hauntings have caused quite a rumor, and are discussed everywhere and by everybody. It is said that circumstantial precautions will be arranged for fully penetrating into this mystery.

The Devil Seen at Las? Pittsburg Dispatch: One man in this country is hourly expecting the destruction of the world. His name is Franz Keiner, and he lives at Allentown. Franz Reiner, and he lives at Allentown. Franz is a man of more than ordinary intelli-gence, and has been employed for more than a quarter of a century in working about breweries, at gardening and at other kinds of labor that would enable him to gastain the large and at him to sustain the large number of child-His story, as told in the presence of at

least twenty other reputable persons, is one of the strangest on record. About a year ago he was employed in leveling off the estate of a man named Barshlager, in West Liberty. On a bright summer morning he went out to rake a section of this place. He worked along, according to his own testimony, until 9 o'clock in the morning. At that hour, as he was fixing up a pile of fallen rails, he was startled by a sulphurous smell and the apperance of an individual he had not known before. Mr. Kelner's description of this individual is better than the statement of any chronicler, said he "I was working peacefully away when the apparition came. It was first clothed in flames of a color unknown to ine. Out of these came a voice saying to me: 'Franz, follow me.' Wher in my stupefied condition I made no endeavor to carry his request into effect a change came over the individual. All super-natural evidences vanished, and for monatural evidences vanished and for mo-ments it revealed itself to me as being perfectly natural. It could not, how-which at hist histered me. When I approached closer I found that this emanated from one of the feet and head of the indefinable thing. Upon close scrutiny I ascertained that though its garments varied with the moment they disappeared at the apex and extremity mentioned. I was induced by this fact almost come in contact with the thing, and learned that however zealou was the endeavor of the spirit, his ap parel was consumed at one foot and at the head by fire. As often as this occurred a cloven foot and horns were dis closen. In desperation I asked him what he wanted of me. He replied, "Thy he wanted of me. He replied, 'Thy soul,' extending while doing so a hand, the palm of which was nearly filled with

"In anguish I cried out, 'Are you the devil?' and he answered 'Yes.' Dropping on my knees I prayed to heaven for him to depart. When I finished my appeal he said: 'I will go if you promise to meet me again.' Rather than endure his presence I gave my consent, asking him when he would come again. He re-plied: 'Soon, and to tell you that the world will be destroyed.' He thought to embrace me as he uttered these words I fled and fell prostrate at least two miles outside of the woods. Since that ime the demon has haunted me and I believe he will come again."
The men employed at Nussen's malt

nouse, on the Brownsville road, say that Mr. Kelner has told them of this daily for the past year, and warned them t the earth. One of them told the re porter that Mr. Keiner had induced him to go off one night and dig for gold, saying that a spirit had come to him and tolhim where the potent stuff could be found. All night they had labored, the person in question being the first to give up, saying that ashes were more numer ous than nuggets of wealth. When lately questioned by the reporter, as to whether he actually underwent the ex-periences related, Mr Kelner said: "! will raise three fingers to heaven an swear it is true. I marked the day and date of the appearance of his satanic in weich he appeared io me. I am expecting him every hour, and am pre-pared to ward off his approach by things known to myself, but not to be revealed.

A Presentiment. Cincinnati Enquirer: While in com pany with a number of neighbors who had gathered at a country funeral, and were intending to convey the remains to were intending to convey the remains the village of Patterson, O., for burial the daughter of the deceased lady, who had just arrived from her home in Indiana, broke upon the silence of the oc casion with the statement that the death of her mother had come to her in a preentiment the night before she received the telegram announcing it. She had been unusually sad all day, and she could not shake from her mind the impression that she was going to have trouble. She attended to her work with a heavy heart and received visitors in a formal, listless manner. Thus the day dragged on and dusk arrived. She was sitting alone at last in her room, and wondering when her husband would return. All at once her little son came running

to her and sat down by her side. He was pratting gleefully, when her mother's form, slothed in a dark shroud slowly passed in from another room, and ap proaching the child threw her arms about him and before the daughter could over come her bewilderment the sable had vanished. The young lady knew that her mother was not within 100 miles of home and she at once imagined that she would soon hear some-thing explanatory. When she recovered the telegram announcing her mother' death it was just what she expected, an after she arrived at the side of her mother's corpse the very shroud resembled what the shadow had worn in the presentiment. The relatives were much impressed with the statement and regarded the incident as remarkable

PLANS OF THE LOCAL CIRCLE.

The \*Course of Reading for 1887-8 -How and When to Begin-How Great Results Can be Accomplished.

Among all the educational movements of the present day none have become more widely known or accomplished better results than the Chautauqua literary and scientific circle. This organization aims to promote hab-

its of reading and study, in nature, art, science and in secular and sacred literature, in connection with the routine of daily life; to give college graduates a review of the college course; to secure for those whose educational advantages have been limited the college student's general outlook upon the world and life, and to develop the habit of close, connected, persistent thinking.

It proposes to encourage individual study in lines and by text-books which shall be indicated: by local circles for mutual help and encouragement in such studies, by summer courses of lectures and "students' sessions" at Chautauqua and by written reports and examina-

It is for busy people who left school years ago, and who desire to pursue some systematic course of instruction.

It is for high school and college graduates, for people who never entered either high school or college, for merchants, mechanics, apprentices, mothers, busy and for people of leisure and wealth who do not know what to do with their time Many college graduates, ministers, law-

yers, physicians, and accomplished ladies are taking the course. They find the re quired books entertaining and useful, giving them a pleasant review of studies ng ago laid aside. Several of the members are over eighty years of age; com paratively few are under eighty. More that sixty thousand names are en rolled in this so-called "People's Col-

lege." Although not a college at all, it has put educational influence, atmos-phere, and ambition into the homes of the people, which will lead many thousands of youth to seek the education which colleges and universities supply. Beginning in a small way some four-teen years ago, the society has spread in

all directions, until now the great ma-jority of intelligent people are more or less familiar with the chautauqua movement, and while some hesitate to commi themselves to so large an enterprise as a few year's course of systematic reading, still many thousands of busy men and women have profited by wisdom and the disinterested labor of the founders of chautauqua. The circle has received the hearty endorsement of Wilham Cullen Bryant, Bishop Simpson, Dr. Mark Hop-kins, President Seelge, of Amhurst, Dr. Lyman Abbott, and other leading educators of America.

All members of the circle, as well as others who may wish to know something of the course of reading, will be interested in following outline of studies for 1887-8.

History of the United States. By Edward Everett Hale, D. D.
American Literature. By Prof. H. A Beers, A. M., of Yale university.
Physiology and Hygiene. By Dr. M.
P. Hattield. Philosophy of the Plan of Salvation By J. B. Walker, LL.D.

Readings from Washington Irving.
Classic German Course in English. By
Dr. W. C. Wilkinson.
History of the Mediæval Church. By
J. F. Hurst D. D. LL.D. Readings in The Chautauquan.

series of papers on the following sub 1. American industries: The Manufacture of Salt, Flour, Glass, Pottery; Oil Producing and Refining, Car Works, Electric Lights, Ship-Building, and

Cloth-Making. 2. Questions of Public Interest: What are Pure Politics? Civil Service Reform, Co-operation, Municipal Government, Duties of Citizenship, Monopolies, The Apprentice System.

Current Literature: American, two papers; English, two papers; French, one one paper; Russian, one paper; Italian, 4. Homes of American Authors: New

4. Homes of American Authors: New England Authors, New York and Vicin-ity, The South, The West. 5. Botany: 6. History and Literature of the Far East, 7. Great Events of the Middle Ages; 8. Life and Manners; 9. Health Papers; 10. Out-of-Door sports;

11: Sunday Readings.
The course embraces simple, entertain and modern history and litera-ture, in physical mental and moral science, and in all matters that pertain to a life-physical, intellectual, industrial, domestic, social, political and re-ligious. It is unsectarian and unsectional, promoting good fellowship and fraternity, inspiring help to the home, the church, and the state. All are alike

welcome to its fellowship.

Four years ago the movement gamed an organized existence in Omaha by the formation of the "Omaha C. L. S. C." The members of the class of 1887 are now numbered among the list of graduates, but they will long remember the pleas ant hours spent at the Chautauqua round table, at their homes, and at memorial and other special services. Some '87s will read the after course and keep up their connection with the local circle. The piaces of others will be filled by

THE CHAUTAUOUA CIRCLE.

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PLANS OF THE LOCAL CIRCLE.

The CHAUTAUOUA CIRCLE.

new readers, and these, with the classes of 1888, 1889 and 1890 will continue the organization. An effort will be made to have the coming year more successful than any that have gone before. The year's reading will be gin the 1st of October. Before that time a meeting will be called for organization. The cost of books and the magazine for the year will be \$6.50. All gazine for the year will be \$6.50. All readers are urged to send in early orders the work promptly, and follow through the work promptly, and follow through the year the reading recommended for each particular week. To fall behind at the start is a source of discouragement

which is not sufficiently appreciated.

Those wishing further information, or desiring to order books with the circle, are invited to communicate with the president, Mr. H. F. Bundy, Room 25, Omaha National bank building.

### EDUCATIONAL.

The only chair of sanitary engineering said to exist has just been established at the Imperial university of Japan.

Dr. Mary Taylor Bissell, sister of the president of Vassar, is interested in the project of a college of phyvical training for girls, and, though nothing is definitely concluded, the outlook is fanorable.

though nothing is definitely concluded, the outlook is fauorable.

The Meadville theological seminary has conferred the degree of bachelor of arts upon Miss Marion Murdock, pastor of the Humboldt (Kas.) Unitarian church. She is thirty-six years of age.

The terms of the draft charter for a new the state of the state of the state.

university, to be named the Albert university of London, and designed to include a district of fifteen miles' radius from Somerset house, have been agreed upon by the councils of University and King's colleges.

councils of University and King's colleges.

The Hungarian anatomist, Prof. Louis Arabyi, died recently at the age of seventy-five. He became a professor of pathological anatomy in the university of Pesth as early as 1884, and wrote a number of worke on topo\_raphical and descriptive anasomy, as well as one on "Typoplastik."

Apropos of the present general move to introduce into schools the steady of alcohol in its relation to physiology, let us suggest a wider application of the notion. According to a wide-spread doctrine, most diseases are due to the presence of germs. Let children, then, be taught all about ferments and microbes, schyzomycetes and bacteria.

The public free library has come to stay

The public free library has come to stay with us. It will soon be reckoned as necessary for public education as the common school, and will be as generously supported from the general funds, where individual generosity has not endowed them. They will greatly enlarge and improve the reading of the community, broaden the general intelligence and quicken the inventive spirit of our active and intelligent nation.

Miss Marian E. Sheldon, daughter of W.

of our active and intelligent nation.

Miss Marian E. Sheldon, daughter of W. E. Sheldon, has recently admitted to the girl school of which she is principal in Adabezar Turkey, the first Molsem girl who ever entered the lists for a regular education. Miss Sheldon began teaching in the language after being in the country five months. She has translated two American text books into the Armenian. Adabazar, where she is located is 100 miles east of Constantinople. The Turkish government of the province has, through the agency of Miss Sheldon become much interested in the education of girls.

A special meeting of the board of trustees

much interested in the education of girls.

A special meeting of the board of trustees of Princeton college has just been held at Princeton to accept and put into operation a number of additional fellowships. At the last meeting of the board the whole system of instruction and study at Princeton was so shaped as to give practical effect to President McCosh's long cherished views in respect to a typical American university. The system in short, involves the introduction either in the undergraduates or post-graduate course of all the branches taught in any of the universities of the world, but without undue disturbance of the time honored curriculum.

## RELIGIOUS.

Sam Jones receives \$500 for three day s' work at Round Lake, N. Y., during which time he preached nine round sermons. The summer school of christian philosophy is holding sessions this year at Key Eas New Jersey, from August 16 to August 25.

Russia will celebrate the 600th anniversary of the introduction of christianity by the bar-tism of the Grand Duke Viadimir on July 15, Bishop Perry of Iowa, has been chosen by the Church of England Provincial Synod at Hailfrx to the vacant bishopric of North

Bishop Walker, of the Episcopal church, since going to Dakota one and a half years ago, has built eleven new churches. He re-ports his church as prospering.

The general synod of American Lutherans has condemned the "International Sabbath School Lessons" because they do not recognize the church festivals of that denomina-

Fourteen thousand openly professed Protestants belong to the sixty Protestant organizations in Spain. It is just eighteen years since the first Protestant chapel was

The national association of local preachers of the Methodist Episcopal church will hold its thirtieth annual session in Harrisburg, Pa., September 17-20, in the Ridge Ayenus

Pa., September 17-20, in the Ridge Avenue Methodist Episcopal church.
Over \$100,000 has been contributed by Catholics over the country to make needed repairs on church property in Charleston, South Carolina, damaged by the earthquake. There was \$7,229,36 raised in New York city and \$4,507.77 in Brook.yn.

BENTONVILLE, Ark., August 12.—Same Jones and his brother John have caused to be made a definite postponement for a meeting at Eim Springs, twelve miles south of this place, on Friday, September 9. This will occasion the assembling of one of the largest crowds ever seen in Northern Arlargest crowds ever seen in Northern Ar

Some of the newspapers having spoken of the Order of Deaconesses as having been recently revived by a prominent clerzyman in New York state. Bishop A. Cleveland Coxe makes in a Buffalo paper the following Coxe makes in a bullato paper the following statement, with reference to the subject; "Deaconesses," he says, "have been in charge of the Church Home in this city, Buffalo, for many years, and are recognized by the cannons as an institution of the church. The order exists among the French Protestants and the Lutherans of Germany. They have long existed in Long Island and other discovers. dioceses. Thirty years ago, the writer, then a clergyman in Baltimore, took an active part in the establishment of deaconesses there, and Mrs. Tyler, a lady of family and culture, was the first deaconess ordained by the bishop of Maryland, at that time."