# THE OMAHA DAILY BEE: MONDAY, DECEMBER 17, 1894.

### WHAT IS KNOWN OF POMPEH HINDU MAGIC OUTCLASSED this is not as curious as a feat performed in another laboratory not long since. A number of metal plates were laid out on a THE GROWTH OF THE MATCH nical work is also imperfect. the A FORCED S table as though in preparation for a dinner Roman buildings, though of an inferior and Roman buildings, though of an inferior and often coarse style, are made of superior ma-rerial, such as marble or the fine lime-stone called travertine; and the workman-ship is better. The basilica, the temple of Apollo, and probably the temple of Jupiter, the oldest portions of the forum, the so-called "school," the Stabian baths, the large theater, the colonnades of the triangular forum the barracks of the triangular to table as though in preparation for a dinner party. Then some people were asked to seat themselves at the table, and no sconer had they done so than the plates suddenly began to jump into the sir. Nothing could have been more startling and there was a general and instantaneous stampede. Then it was disclosed that each plate had been faild directly above where a coll was placed under the table. Review of the Results of Excavations in Wonder-Moving Feat: that Sober Scientists Less Than Ninety Years Since the First the Buried City. Perform. Was Made. HALF OF THE WHOLE CITY DUG OUT MARVELS OF THE ELECTRIC WAND OVE OF THE BEST GIFTS OF GENIUS der the table \$250,000 WORTH OF GOODS forum, the barracks of the gladiators, the History Preserved for Eighteen Centuries Following is an idea obtained from the above: One of the persons present suggested that church contribution boxes could be made Dancing Plates and Nails and Flying Rings palestra, the outer portion of the porta ma-Matches Produced in Such Vast Quantities -Prof. Mann, the Greatest Living -A Lamp that Burns Under Waterrina and the inner portion of the other gates all belong to the public edifices of the prethat the Individual Match Costs Next Authority, Describes the The Magical Hoop and Testa's on this plan with curious results. Such a box has been made, and it is simply impossito Nothing-Patience, Ingenu-Roman period. To the early time of the Roman colony belong the baths near the Discoveries. Flory Hand. ON SALE AT ity and Skill. ble to get money to stay in it. forum, the small theater, the amplitheater, the temple of the Capitoline divinities and pecially have no liking for it and fly cut in The city of Pompeli already existed in the (Copyrighted, 1894, by McClure.) a surprising manne sixth century, B. C., as is proved by the the other public buildings were built in the the inner portion of the porta marina Any one of our m down electrical scien-**A BIG SACRIFICE.** THE DANCING NAIL. Few people waste a thought about a match. tists could, by departing from the dignity Merely a little commonplace, everyday trifle remains of its oldest public building, the The same principle which governed the later Roman style. of his calling, launch out as a professional above was applied in another direction during an exhibition which was given by the Frank-Doric temple. But the date of the first of a thing, made of wood or wax, tipped with ANCIENT PAINTINGS. foundation of the city is quite unknown, says Prof. Mann in the London Dally News. It was inhabited by the Oscans, a race whose language is imperfectly known through some inscriptions. The name of Pompeii is derived from a word belonging to this ancient language is the pro-Roman period, consists in imitations of There are no figures or pictures in this style. The second style, belonging to the magician and make a fortune on the stage. latent flame, wherewith they kindle fires and Nikola Yesla, Edison, Prof. Elihu Thomson lin institute of Philadelphia some time ago In the middle of the hall stood a plain pine light the soothing pipe or comforting cigar. THE GREAT FORCED SALE of Household Furniture announced in and many other earnest workers surpass in It does its humble work and is contemptu table and on it was a handful of ordinary tenpenny nails. The nails lay in a heap and their laboratory experiments anything done Sunday's papers is now on at The People's Furniture and Carpet ously cast aside. And yet the match, says behind the footlights. No Hindoo jug-Company's establishment, and such a veritable feast of bargains has selthe Pittsburg Dispatch, is an evolution replooked as though some workmen had thrown It looked as though some workmen had thrown them there. Spectators were busy watching other things and the nails were passed with a glance. However, the eyes of one old lady and gentleman nearly popped out of their heads when happening to book at the nails the latter all got up on end, heads up, and gler can do more in the gentle art of mystidom been seen in this city. On account of being over stocked every sinfrom a word belonging to this ancient lanresentative of much human patience, in time of the Roman republic, consists in painted imitation of marble, and also in fying than the electrician. His apparatus is guage, the word "pompe," or "five." The genuity, and skill, and is one of the best gle piece of furniture, carpets and stoves and all the crockery has been simple and his results are amusing enough realistic, not fantastic, pictures with archigifts sought out and elaborated by human city was wrested from its original inhabitants greatly reduced in price. Do not delay, but come at once. Remember, by the Samnites, when they advanced from the monitains to the coast in should be access in the same state of the same st to sound a recall. genius for the banefaction of the race. When "The succulent worm awaketh the early bird." Thomas A. Edison several years ago had Prometheus stole the sacred fire from Olymthe mountains to the coast in about the year the mountains to the coast in about the year style, that of the Roman imperial period, 429 B. C. The Oscans and Samnites together, till about 50 A. D., is ornamental decoration ander the influence of the neighboring Greek in the Egyptian taste, distinguished by pure a small motor which ran without any ap- actually bowed and scraped to the astonished

# NOTE THESE LOW PRICES.

Chamber Suits	19.75	Worth \$40,00	Art Squaces \$	1.98	Worth \$1.50
Folding Beds	17.80	Worth \$35.00	Smyrna Rugs	1.24	\$1.50 Worth \$4.25
Chiffoniers	7.15	Worth \$16.00	Misfit Ingrains	5.65	Worth \$14.00
	13.25	Worth \$30,00	Iron Beds.	6.75	Worth \$15.00
Extension Tables	4.95	Worth \$11.50	Hall Racks	5.90	Worth \$14.00
China Closets	14,90	Worth \$30,00	0.1.0.1	6.50	Worth \$13.00
Kitchen Chairs	.24	Worth 50c	Center Tables	1.65	Worth \$4.50
Pictures	.39	Worth \$1.25	Reading and the second s	4,75	Worth \$60.00
Mattresses	2.40	Worth \$6.00	West and the second second	4.90	Worth \$12.00
Pillows.	.98	Worth #2.00	A11 11 1	3.75	Worth \$8,50
Blankets	1.25	Worth #3.00	The second of the contraction of the second s	2.50	Worth \$25.00
Lace Curtains	1.18	Worth \$3.50	Oak Heaters	6.75	Worth \$14.75
Portieres	2.90	Worth \$7.50	Ranges	9.75	Worth \$22.00
Baussels Carpet	.59	Worth \$1.25	Wire Springs	.89	Worth \$2.50
Ingrain Carpet	.29	Worth 60c	Dinner Sets	6.75	Worth \$14.50
Linoleum	.39	Worth \$1.10	STREET, STREET	4.90	\$14.50 Worth \$12.50



soon was wrestling with the beef. He was getting along nicely when suddenly something happened. About the same time that Mr. Milligan or-dered his supper Che Varille, the Frenchman who runs the shooting gallery next to the restaurant, had also got into trouble. A B B shot had become lodged in the barrel of one and steel. For 400 years, from the time it made its appearance during the fourteenth century, the clumsy and ill-smelling tinder box, with its assortment of steel, flint and subhur-tipped "spunks," was the mainstay made its appearance during the fourteenth century, the clumsy and ill-smelling tinder box, with its assortment of steel, flint and sulphur-tipped "spunks," was the mainstay of thy forefathers when they wanted to start a fire. It was the discovery of phosphorus in 1673 by Brand of Hamburg that set human fired. And this was what happened: Just as Milligan took a large bite o fhis steak a rifle ball came tearing through the restaurant wall, whizzed past the face of a woman who was eating lunch in a "box," and, crossing the room, lodged in Milligan's right arm. The bullet had glanced from the shooting cullery floor and mass and the secure as many as more the room, so the face of a solution of the shooting the room, lodged in Milligan's right arm. The bullet had glanced from the shooting cullery floor and mass as many as more the shooting the secure as many as more the shooting the shoo ingenuity at work searching for improvement on the old order of things. The first efforts, though not gropings in the dark altogether, were far enough from successful. Phosphorus was soon found to be both inconvenient and dangerous. One of the earliest schemes for its utilization was to rub a piece of it between gallery floor and passed into the adjoining droschke to secure as many as were neces sary. Meantime a German couple appeared. Their building, and had attempted to go through two folds of coarse paper and allow the sparl of fire so produced to fall upon a "spunk." Mr. Milligan, but in this it failed, The bulkt entered Milligan's right biceps papers, of course, were all right. The Ger-and ranged upward toward the shoulder. The man bridegroom took possession of the Amerclumsy and ranged upward toward the shoulder. The wound bled freely. Milligan was taken to his apartments in a lodging house and Drs. Steele and Rockman were called. They so unred the bullet and dressed the wound. methods was that phosphorus fell into disuse. It was another chemical discovery about the beginning of the present century that gave an impetus to invention, and finally led to launched upon the sea of married life the passports had been found, and the Americans IFYOU MARRY IN GERMANY. again took the chairs and were finally made man and wife, to the satisfaction of the legal Obstacles American Couples Meet Over the Obstacles American Couples Meet Over the Rhine. It is often almost impossible for an Ameri-can to secure the papers necessary to make a European marriage valid, especially in Ger-many, writes a correspondent of the New many, writes a correspondent of the New who spoke the English tongue, shake hands who spoke the English tongue, shake hands with their five hundred friends and catch the to wait until they can repair to some less in- first train for Egypt. usking superfluous questions. When the quisitive land, where a priest or legal funccontracting parties are themselves Europeans the formalities are probably formidable enough, for besides the actual marriage married, but also to be born and to die in the enough, for besides the actual marriage papers there are settlement papers and vari-ous maliminary documents to be drawn up. But if you are an American, of course you are a suspicious character, and ycu will find it even doubly difficult to marry the girl of your choice. You must first prove your right to live and breathe and have your being, and your bride must prove her right is expected there to come into the world and go out of it armed to the teeth with docubeing, and your bride must prove her right to live and breathe and have her being, and ments. If they fail in one case, one can have no standing in the community, must be a sort of a man without a country; in the other your father and your mother and your bride's father and your bride's mother must also prove that they were born in due time and have lived irreproachably ever after; and in case, one may by that time safely have a standing in heaven, but is likely to have no case they no longer exercise the functions resting place in earth. of living, breathing, and having their being, Still, in spite of the sometimes incon-venient thoroughness of these continental it must be shown that they ceased to do so in a sober and godlike manner. All this and much more must be set forth in a quod erat. methods, one can't help but find them ad-mirable in many respects. It certainly seems demonstrandum fashion by means of docu-ments before you will be allowed to bend a little more fitting that one should the betrothal of Hans to Lischen from the lips of the good pastor as he publishes the your neck to the conjugal voke. The truth of these remarks was illustrated bans from the pulpit rather than that one should read it in some gossipy column of a a few weeks ago in Berlin, when the happiness of two young Americans hung for a long time in the balance, until German aushould read it in some gossipy column of a newspaper. The infinite amount of pains necessary to the the knot must impress those tied with the inexpediency of untying it. Then, too, Illinois is a long way off. The difficulty of assuming even the most natural responsibilities should have a tendency to make neople aspecials their same tity. thorities finally consented to let them join hands and hearts. The young man was an Egyptologist, and found it necessary Egypt at a certain time. He hoped to take his bride with him, but almost make people appreciate their sanctity.

umns and the beams are generally of gray tufa stone, coated with white or colored stucco; marble is rarely found. The tech-

Sulla, a nephew of the then dictator. The figure subjects in the paintings of rompen city was presently named Cornelia Veneria Pompeianorum, after the family name of the Pompeli was well and entirely paved in its earliest days and well provided with drinking water. The Oscan and Latin inscriptions engraved or painted in red color generally relate to elections; a few are ande-'graffite'' or scratcher inscriptions show that they are individual effusions, the expression of good wishes, THE SPINNING EGG.

the mention of games, verses, etc. A numher of wooden tablets coated with wax and inscribed, which were found in the house of the banker, L. Caecilius Jucum-dus, have now been deciphered in the Naples museum, and are mostly receipts. The few fragments of the ancient Doric temple on the triangular forum show that it greatly resembled the famous temples of Paestum and Selinus. The temple was already destroyed in the early days of stopped moving and fell down upon its side. Now, wonderful as this seemed, it is a very Pompell, and a shabby sanctuary erected simple phenomenon, easily produced, and an every day occurrence in the laboratory. The

### Should Work floth Ways.

pouncements of games; what can be

iphered of the

in its place.

defense.

acdiles and other public officers, also many priests, priestesses, ministers and magis-trates. Pompeli was built on the point of an ancient stream of lava, running toward the sea, close to the then full-flowing River Sarnus. The city was the natural southeast-sern port of the plain themate which the Chicago Tribune: His Wife-George, you ern port of the plain through which the liver flowed. The sea was then not more than are becoming a confirmed smoker. Suburbanite-My dear, I am compelled 1,500 feet distant from the city, the river serving as a harbor. On the banks of the river stood a small suburb of the city. From ide in the smoking car so much that I often have to light a cigar in self-defense. Same Suburbanite (a few hours later)--Amanda, you smell frightfully of raw onions. busy port were exported not only the produce of the country in the interior, but also the products of the plain itself, namely, His Wife-My dear, Bridget frequently eats wine and vegetables. The lava was cut into millstones, which formed a large article of export in the second century B. C., but later

### RELIGIOUS.

on this source of profit ceased to be culti-vated, and millstones were even imported into Pompeil from abroad. The harbor town of the Tennessee Methodist. grew more and more wealthy, from the fact that the Roman aristocracy, attracted by its beautiful situation and fine climate, began to settle in the environs. The inhabitants of Pompeli at that time numbered probably 30,503

Bible society for 1893 was larger than the year preceding by \$55,000, and reached the goodly sum of \$1,161,000.

Rhode Island will celebrate the fortieth anniversary of his episcopate December 4. He is now more than 82 years old.

(men and women) laboring in South America. is 330, representing seventeen missionary societies, and reporting about 20,000 communicants.

In New Mexico the woman's executive committee of Home Missions has more schools than all the government and other denominational, including Roman Catholic, schools combined.

mans. In the years 342 B. C. and 290 B. C. the Samnite wars led to the subjection of Pompeli by Rome. The city was drawn into the Roman confederacy, during which it pre-served its independence as to home affairs. It was only in the year 80 B. C. when the Samnites were conquered by Rome, that Pom-peli became entirely Romanized, being then Sulla, a nephew of the then dictator. The city was presently named Country of veterans under P.

wires. Motors now run and depend for their driving power on the electrical excitation the atmosphere. They may be far removed from the appliance generating the power and set work away merrily. Nesla will and yet work away merrily. Nesla will hold a lamp in his hand, stand in the mid-dle of a large room, away from all wires or metallic connections, and the lamp will glow and send forth a radiance not to be equalled. What could be more magical than this?

Could Christopher Columbus have visited Chicago exposition he would have found his trick of making an egg stand on end very much improved by aid of electricity. In on of the exhibits was a large egg on end upon a table. Visitors wondered what made apon a table. Visitors wondered what made that egg stand on end. Then it was discov-ered that the egg was not standing, but whirling-whirling with such rapidity that it seemed to stand still. Suddenly the egg

THE FLYING RING.

w onions, and I've been eating one in self-

"Sam" Jones has become one of the editors The Christian Endeavor societies of Australia number 1,020, with a membership of

The income of the British and Foreign Bishop Thomas March Clark (Episcopal) of

The number of Protestant missionaries

parent electrical connection. It stood upon couple. The table was surrounded in an instant by astonished people, before whom the nails paired off and danced and waitzed. Some fell on their sides, but immediately got up and bowed an apology. Coils beneath the table did it all. The head of the nails, containing nore bulk than the points, sustained more repulsive action and consequently got farthest away from the coil, which in its turn was regulated from another part of the room.

NIKOLA TESLA'S EXPPERIMENTS. Mr. Tesla, in the course of a recent evening lecture, requested that the lights be turned off. It was done, and then the audince saw a truly magic sight. There stood he electrician with a small lamp in his and and his hand above his head. Rays of hand and his hand above his head. Rays of unequaled beauty came from the lamp and spread down over the body of the man. The imp was a simple affair and no wires connected it with a hidden source of supply. was as if the lamp of Aladdin had been rubbed

and beautiful jewels were gleaming forth. This was followed by another and even more startling experiment. Again the room was darkened. The lecturer became invisible ) the expectant spectators and then a human hand, plain and distinct, a hand of fire, reached out from the darkness and, all transparent, was seen waving aloft, while shooting ut from it were sparks and streams of light In exposition of these seeming wonders le me give Mr. Tesla's own words:

EXPLAINS THE WONDERS.

"When two conducting bodies are insulated and electrified we say that an electrostatic cree is acting between them. This force manifests itself in attractions, repulsions and stresses in the bodies and space or medium egg belonged to Nikola Yesla, and is at pres ent in his laboratory in New York City. In-side the egg were arranged several coils of without. So great may be the strain exerted in the air that it may break down, and we white, and these were acted upon by several other coils near by, but unconnected by any mechanical process with the egg itself. observe sparks or bundles of light or stream-ers, as they are called. These streamers form abundantly when the force through the air is rapidly varying. I will illustrate this ac-THE ALTERNATING CURRENT.

When the alternating current of electricity tion in a novel experiment in which I will employ an induction coil. The coil is con-tained in a trough of oil and is placed under as it is called, began to be understood several years ago, it was noticed that very peculiar phenomena were attendant on its action. he table. The two ends of the secondary When, for instance, a peculiarly wound coil of wire was placed near another coil that vire of the coil pass through two column of hard rubber which protrude to some height above the table. Attached to one wire runwas traversed by an alternating cur-rent, a repulsive action took place and the colls were driven away from each ing through the hard rubber is a large sphere f sheet brass.

other. Under other conditions attractions re-sulted. By manipulating the coils a serie "I now set the coil to work and approach the free terminal with a metallic object held of attractions and repulsions were produced and thus it became possible to get any num-ber of strange effects, one of them being the in my hand, this simply to avoid burns. As I pproach the metallic, object to a distance of eight or ten inches a torrent of furious sparks breaks forth from the and of the secondary apparently causeless whirling of the egg. Another is the action of a bunch of keys, wire which passes through the rubber col-umn. The sparks cease when the metal in which, thrown upon the table in place of the egg, whirls so rapidly that its form is undisinguishable. A copper plate or a copper ring is affected precisely the same as the coil when placed near an alternating current coil. my hand touches the wire. My arm is now traversed by a powerful electric current, vi-brating at the rate of 1,600,000 times a second All around me the electrostatic force makes itself felt, and the air molecules and par-It will be driven away or attracted. How easy, then, for the electrician to turn ticles of dust flying about are acted upon and are hammering violently against my body. nagician and mystify an audience. A simple coil underneath a table will create more mys-tery for the uninitiated than a spiritualistic seance. The intervening wood of the table cuts no figure in the general calculation. The alternative current less calculation. So great is the agitation of the particles that when the lights are turned out you may see streams of feeble light appear on some parts of my body. "I can make these streams of light visible The alternating current is a great leveler.

It cares for nothing. A coll traversed by the vill create all around it an electrical metallic objec atmosphere that will penetrate wood, glass, or anything else of the same nature. Prof. Elihu Thomson of Lynn, Mass., has perone of the terminals as before, and approaching my free hand to the brass sphere which is connected to the other terminal of the coll. formed a number of experiments which show the great possibilities for amusing which may As the hand is approached the air and the sphere, or in the immediate neighborhood, is more viclently agitated, and you see streams of light break forth from my Perhaps the most wonderful trick of all is finger tips and from the whole hand." the one in which the current overcomes the force of gravity. A short, stout column of wood stands on the laboratory table. Near THEODORE WATERS.

pus it wasn't in the form of a lucifer match that he did so, or his punishment from Jove might have been even more terrible than it was, because its usefulness to upstart man would have been so much more formidable. Long ages had to pass and the nineteenth century after Christ be well on its way before the match, as we see it today, was even thought of. Trifle as it is, few things have had more thought and ingenuity ex-pended on their production. In Great Britain alone, during the first ninety inflammatory part of the matches, the ma-terial composing the stem, etc. As an industry the manufacture of matches

thing impressive about figures to the average mind, and a few statistics will carry weight. Just to take one of the largest English factories tories for example. Ordinary wooden matches are turned out of that establishment yearly at the rate of 2,509,000 gross boxes. Each box contains from nintey to 100 indi-viduals. If any one has the curiosity to figure out what this amounts to he will find means a great total of 36,000,000,000 these wooden splinters, each one of which is a tiny magazine of fire and potential agent of mighty mischief. The same factory produces "safety" matches to the amount of about one-seventh of the ordinary matches— i. c., about 5,000,000,000 in the year. It also produces about 52,000 gross boxes of yeauvians, while wax yestas are poured out at the sets of 95 000 000 it the rate of 25,000,000 a day, or 10,500,000, and the face of callocation a day, of location, ood annually. This is all very imposing, and is calculated to inspire increased respect for the match. For the vestas produced by that one factory three tons of wax are used every working day, meaning a total of some 759 ons in the year. Cotton to the amount of 250 tons is also annually required to produce these little effects. The same factory's annual consumption of vitreous phosphorus is thirty tons or more, while the number of persons employed is in the neighborhood of London 2,000. Now, in the neighborhood of London 2,000. Now, in the neighborhood of London alone there are about a dozen factories of varying sizes, so that from facts like these one can begin to have a faint conception of what the match making of the world really means. The total annual value of English match manufacture has been estimated a: from f1,500,000 to f2,000,000, and England is not the greatest producer of matches.

The man who grumbles because he must rise betimes of a cold, frosty morning and light a fire for the household while it is yet dark should thank his stars that, unlike the ancient Roman similarly situated, he does not need to spend his strength rubbing io-gether two pieces of hard wood until the spark comes. He has no such trouble in starting a fire as many a better man than he among his forbears has had with a flint

The long and the last of such

this century, considerably more than 100 patents have been applied for, having reference wholly or in part to the improvements or noveities in machinery for the manufac-ture of matches, and during the same period at least as many more patents were applied for with reference to the composition of the

has very imposing proportions. There is sime-

on the mural paintings are very easily distinguished from the red tint which, in some unexplained way, overspreads a great portion ter of a judge, have joined the Salvation of the wall paintings when these have come army, and are living in the army barracks in contact with the ashes. The manner in which Herculaneum was buried was very different, for there the pumice and ashes do not lie in regular strata, as in Pompeli, but are mixed together in a sort of muddy paste, which, hardened into stone during the course of time, makes excavation difficult. After the catastrophe the upper stories in the houses in Pompeli protruded above the ashes, showing where the city lay. Digging on a large scale then took place, and build-ing material and valuable objects were carried ing material and valuable objects were carried away. All the marble, except a very few fragments, was removed in ancient times. Later on the remaining upper stories of the houses were destroyed by time, as very little of them has been found. In 72 A. D. most of the inhabitants escaped. It has been calcu-lated that only 2,000 of the 30,000 were billed on the store but how far the further killed on the spot, but how far the fugitives were able to run is not known; the fact is that many of them were overtaken and buried by the falling ashes at a place on the banks of the Sarno, not far from the city, for in 1880 and 1881 many skeletons, together with many valuable objects now kept in the Naples museum, were found there.

Dictator Sulla, and the goddess of whom he was a special devotee, and who then became,

as the Venue Pompeiana, the tutelary divinity

of the city., At the same time a suburb was founded, probably by the citizens who had

been driven out in favor of the Roman vet-

erans, which was named Pagus Felix, after the by-name of the dictator, and later, in

The descriptions which have been found at Pompeii show that many state offices existed

in pre-Roman times. There was a Komben-nion, national assembly or senate, it is not known which; a medix or medix tutix, the

chief of the city; a koalsstur or quaestor, who was probably intrusted with the city treas-

ury; and two aldili, aediles, employed in the

making of roads. Under the Romans, after 80 B. C., there were the usual decuriones,

It will be remembered that the volcanic

mountain on the slopes of which Pompeli stood reawoke, after ages of inactivity, in the year 63 A. D., when many buildings

were damaged or destroyed. Traces of the earthquake that happened then are still to be

seen in the excavated city. Then, in 79 A. D., came the awful eruption which, while the

people were still repairing the damage done in 63, buried the city to a depth of more

than six feet, in small pumice stones, and,

some time later, with a rain of ashes to a similar depth. Those pumice stones and

ashes were not red hot, as is generally be-lieved, as the wood has been found seemingly

carbonized, has only been thus changed by chemical processes. Traces of real burning

30,000

honor of Augustus, Pagus Augustus Felix,

### UNCOVERING THE CITY.

Though the existence of Pompeii under the fields that then covered it was discovered as early as 1594, the city has only been reg-ularly excavated since 1748, and till then crusade. year 1825 only the public buildings round the Forum, the theater and the street of the tombs had been laid open to the view. The present reasonable and scientific mode of present reasonable and scientific mode of excavation was begun by Prof. Florelli in 1861, and continued by Prof. Ruggleri, who has only just resigned his office in conse-quence of his advanced age. At present nearly the half of the whole city is ex-cavated and the circle of its walls deter-mined. It is probable that the still unex-module that the still unexabout \$7,000. cavated part will not contain many public buildings, perhaps a few temples and baths, others

but if the present slow rate of excavation be continued it will take another fifty or sixty years to lay the whole city bare. The shape of Pompeil is nearly oval; the city walls follow the slopes of the lava hill on is built, only crossing that hill at the part

where it rests against Mount Vesuvius. Pompeli was laid out on a fixed plan. The two principal streets, Stradi di Mercurio and hey shall not prevail." oreign missions has received \$17,500 through Stradi di Nola, crossed it from north to south and from west to east. The side streets run the State department at Washington from Spain as indemnity for the loss of property crosswire to these two, and only slightly deviate from the straight line at certain points. The city wall is preserved in its northern part and other injury inflicted upon its work at Pouape, one of the Caroline Islands, by the and a great portion of its southern course, but on the west and at the west corner of Spanish authorities a few years ago. Bishop W. B. W. Howe of the Protestant Episcopal diocese of South Carolina dRed at his home in Charleston Sunday afternoon.

but on the west and at the west corner of its southern course it was already pulled down in ancient times, and its place occupied by houses. The wall has eight gates, to which distinguishing names have been given. Bishop Howe was disabled by paralysis about two years ago, and at the diocesan conven two years ago, and at the first Rev. Ellison tion in the spring of 1893 Rev. Ellison Capera was elected assistant bishop and has since been the acting bishop. By bishop The public buildings that are being found are situated in two great groups-one around the Forum, and the other near the Stabian gate. But the public baths are distributed irregularly all over the city. The most im-pertant houses have been named according to very different reasons, some after distinsince been the acting bishop. By bishop Howe's death Rev. Mr. Capers becomes the bishop of the diocese.

guished persons who have witnessed their excavation, for example, "House of the Gran I Duke of Tuscany;" others after subjects of art found therein, as the "House of the Faun," and others again after their supposed proprietors, as the "House of Sallust." it is well to take notice of these names, as it is guished persons who have witnessed their banking operations and experience. ander them that the guides point out the under them that the guides point out the buildings. A more reasonable method of taming is that from the bronze seals dis-novered in the houses, engraved with the frames of the owners, or from inscriptions. A new church has been organized in St.

WHAT THE BUILDINGS PROVE.

A new church has been organized in St. Louis, modeled after the church of the same name in Los Angeles, Cal., which, organized two years ago by a small band, has grown to a membership of 10,000. Belief in a Deity, in the divinity of Christ. or in a future state is not required of its members. Its avowed design is "to meet the social, in-dustrial, intellectual, moral and spiritual demands of such liberal and progressive minds as do not find these demands suffi-ciently met in any of the existing organiza-tions to satisfy the requirements of the present and approaching era." WHAT THE BUILDINGS PROVE. The oldest building in Pompeti is the de-stroyed Doric temple, which belongs to the sixtle century, B. C. The city wall is also extremely ancient, but even an approximate date cannot be determined. The rest of the buildings belong to two distinct groups, according as they were built, before or after the founding of the Roman colony in 80 B. C. The pre-Roman edifices are artistically C. The pre-Roman edifices are artistically the best. They were built under the direct influence of Greek culture, and show the pure, beautiful forms of the Doric, Ionic and Corinthian styles. Especially remarkable is the spirited style of the Corinthian cap-tals, built of no costly material. The colpresent and approaching era."

bles. Trial size, 25 conts. All druggists.

Judson and Lamson, of wealthy Cleveland, O., families, the former the daugh-ter of a judge, have joined the Salvation in that city be got out of the alternating current.

All formalities attending the retirement of Dr. Talmage as pastor of the Brooklyn Tabernacle have been observed, and the severance of his relation, which has existed for years, is now complete.

Bishop Hott and his party of missionaries salled from New York Thursday for Liver-pool on their way to Frectown on the west coast of A'r ca, the headquarters of the United by is a copper ring a trifle larger than the olumn. is a coll traversed by an alternating current Now, strange as it may seem, it is im-Brethren mission. The Congregational Home Missionary se

possible to keep that ring on that column. Place it there and it will fly off the moment clety reports that for the past seven months the income has been \$61,349 in advance of you take your hand away. Throw it on, it will balance itself in midair around the column until the electricity overcomes the that of last year, and that \$21,000 of this has been in contributions. The permanent fund of the Board of Re-

force of gravity, and then it will fly away as before. The repulse action has taken place lief of the Preabyterian church has been growing from year to year until it reached at the end of the last fiscal year the handand forced the ring away from the imme-diate neighborhood of the concealed coll. some sum of \$1.386.776.74. The effect is really magical. The ring can Woman's work in India has made great

be made to stay near the coil in one wayby taking advantage of the attractive action progress. There are now 711 women missionaries-foreign and Eurasian-in India. These have access to 40,513 zeranas, and You may stand on the ring edge, as it were, on the projecting core of such a coil, have 62,414 girl pupils in the mission schools. and the attraction at this spot will hold it firmly.

Chinese Christians are conducting an agita-tion against the cruel custom of foot binding. At a gathering in the Central Methodist Epis-A LAMP BURNS UNDER WATER. It is one of the principles of the alter-ating current that when a coll is traversed copal church, Shanghai, numbering 600 perons, a committee was appointed for an active by it, it has the power to induce a curent to flow in another coil, if the latter is

brought within the electric atmosphere of the first coil. Prof Thomson has taken ad-vantage of this fact to produce a very mystifying and very beautiful experiment. You may walk into his laboratory some day The Presbyterian Board of Home Mission reports total receipts for seven months, \$316,670, a gain of \$89,291. Of this \$60,504 is in legacies, \$33,589 in the women's donations. regular church donations have fallen off and behold an incandescent lamp floating around in a jar of water, and connected with

The venerable Dr. Bartol, still living in a dynamo. You may safely lift this lamp out of the water and examine it. The light retirement at his old home in Boston, is almost the only survivor of the famous be extinguished immediately, and writers and thinkers of old days and the you will examine the lamp, a small coil will be found in the base of it. Put the lamp the Transcendental club, which included Alcott, Emerson, Hawthorne, and

back into the water, and it will immediately relight. Yet there is no substance in the Rev. Mr. Watson of Kingston, N. Y., who water to cause the phenomenon. It is pure water, But there is a coil concealed under the table, traversed by a powerful alter-nating current. By means of it a current is inducted in the coil which is secured in the has carried ritualism in his church to the extent of swinging the censer, is in a fair way of losing all his parishioners. But he is obsti-nate and says: "Though they sway the sun on my right hand and the moon on my left, base of the lamp, and the latter is thus lighted. Such an affair used upon the pro-The American Board of Commissioners for

fessional stage would cause the greatest wonderment. The jar filled with water is merely used for effect, for if the lamp is taken out of the water and laid on the table, it will light up just as quickly. Such an exhibition as this ought to cause grave forebodings to be experienced throughout the

trade. BALLS AND PLATES SPINNING.

The queerest aquarium in existence, prob-ably, is owned by Prof. Thomson. For it he uses the same jar and water in which the lamp was exhibited. His fish are differently lamp was exhibited. His fish are differently shaped and constructed from any that ply the sea. In fact, they consist of some small metal balls and a metal plate. Tossed lightly into the water they immediately re-

A story is told of a country clergyman whose finances do not apparently extend to banking operations and experience. Going much deliberation the reverend gentleman came to the conclusion that he could, with-out violation of his conscience, accede to the request. So he took the treasured piece of paper and wrote across the back of it; "I heartily indorse this check." A new church has been to a bank with a check, the clerk handed

plate and spin in on a plvot, not by any me-chanical means, but by surrounding the plate chanical means, but by surrounding the plate and pivot with what appears to be a large hoop attached to a handle. The hoop, how-ever, is really the core of a large electric coil, wire being wrapped round and round it. The repulsion and attraction set up in the hoop causes the metal plate to revolve. If the bunch of keys before mentioned were thrown on the table and within this hoop, it would whirl as rapidly as in the first in-stance. So would the egg.

stance. So would the egg. Prof. Thomson has described how he has laid a common steel file on a table under-neath which a coil was fixed, and caused metal discs to revolve in his hands by merely and is held by a Lon water the discs near to the file. But even values it at \$1,000,000. Oregon Kidney Tea cures all kidney trouholding the discs near to the file.

## Juggler's Tricks.

Cinquevalli, the French juggler, says that Concealed in that column of wood t is hard to tell which is his most difficult trick. "As a usual thing," he goes on, "the easiest trick is the most showy and gets the nost applause, while some very difficult feat will not get a hand,' as we say. For in-stance, the trick of throwing a potato in the air, dividing it with one storke of the knife and then catching the two halves, one on he fork and one on the knife, is perhaps the most difficult, and took me nearly two years to learn. It is so quickly done, however, and apparently so easy, that an audience cannot appreciate it before it is over. Let me pur-posely drop the potate and catch it on the chife blade just as it is only an inch from the floor, and they burst into appluase. It is o unexpected. 'Two others of my most difficult tricks,

balancing a cigar on top of another on my forchead and tossing it from there so that it turns over once and falls point first into a cigar holder in my mouth; the other, twirling a hoop in my right hand with glass of water balanced inside its rim, and passing two balls through it with my left hand, have been watched with stolid indif-ference by an audience that went wild over juggling two plates in the air, one of the simplest tricks."

## OUT OF THE ORDINARY.

Next to rice, wheat is eaten by the greatest number of human beings; and then comes maize.

Considerable experimenting is done in Eng-land at the present time on bamboo bicycles. A wheel complete of this material weighs twenty-two pounds.

There is a negro in Covington, Ga., who s six feet six inches in height. He is now 42 years old, but when 18 years old he was only one inch shorter.

Many razors have been found in the ruins Many razora have been found in the ruins of Pompeii. They are of different shapes, some resembling knives, others being not unlike the razors of the present day. The barber shops of antiquity were also pro-vided with bottles of perfume and boxes of pomatum.

"Treated birch," says a Philadelphia gum. builder, "becomes mahogany of rare beauty, and 'soaked' mapla goes into all 'ebony

danos now. So cleverly is the 'fake' wood phorus in match making. It was not only weighted' that nothing short of borings will poisonous and too inflammable, but the workplanos now. It was not only prove the deception. Maple mahogany is soaked through to a depth of four inches, and will polish even better than the genuine wood." A towering ghost was laid out Saturday night in Benton, which is up in the coal fer

which a colored girl on her way to a store knocked in half by hitling the under lad in the forehead with a stone mug she threw at the apparition. The lad that stood on his shouldars sol shoulders got away unburt, but neither of them will play ghost again.

The number thirteen played an ominous part in Alexander III's life. He was the thirteenth emperor since Peter the Great and was thirteen years on the throne. He as-"Swedish safety matches" only has been al-

put his exidizing mixture on the spinits was the red phosphorus (a safe form of phos-phorus) on the box. This process was pat-ented the same year in Eengland. Since then there have been no very important de-partures in the art of match making, though partures machines have been invented and The most costly jewel in the world is The most coatty jewel in the world is owned by the royal house of Germany, be-ing a superb supphire valued at \$16,000,000. The emperor of Austria possesses the most valuable opal, which weighs seventeen ounces and is worth \$250,000. The "Mattam," be-longing to the rajah of Borneo and weighing 367 karats, is said to be the largest while various machines have been invented and various igniting mixtures tried with greater of less success,

called the "Insperial Kimberley." from the famous mines in Africa, weighs 180 karats and is held by a London syndicate, which

From time to time loud outcries were made about the dangers attending the use of phos-be should have a bride to take. For months

he had been trying to bring about this mar-riage, but the requirements of the German disease" is reduced to a minimum by the em-ployment of such preventative means as good gone through the marriage ceremony on

some previous occasion it was necessary to publish the bans weeks beforehand not only in the Berlin papers, but also in the journals of her native ventilation, impregnation of the air of the factory with the vapor of turpentine and the enforcement of absilute cleanliness on the part of the work people. In 1284 atringent American town. Both parties were obliged to secure certificates of the birth and baptism of

themselves and their parents, and to furnish an epitome of the family histories down to date. There is a rumor that testimony was even demanded as to the number of times certain relatives had been vaccinated, and the success of the operation. The young woman's father had died when away from home, and it was rather difficult to satisfy

home, and it was rather difficult to satisfy German authorities as to the manner of his taking off. Finally, all the papers arrived. and the couple repaired one day with their friends and witnesses to the office of the legal functionary in whose hands their hap-piness reposed. The legal functionary, of course, had wit-

piness reposed. The legal functionary, of course, had wit-nesses on his side. The Germans hever trans-act any business except in the presence of withesses. If you quarrel with the guard on

PRATTLE OF THE YOUNGSTERS.

Old Gentleman-Why do you weep? Schoolboy-Another great man is dead-

boo, hoo, hoo!

"Did you know him?" "N-o, but for the text three weeks we'll have to study ourselves blind to answer the teacher's questions about hIm." ...

Teacher-Teddy, I want you to write a composition on a horse. Teddy-I can't, marm. Teacher-Why not?

Teddy-I haven't got any horse to write

Little Girl-Mamma says I must study

grammar this term. Little Boy-Wot's that for? Little Girl-That's so I can laugh when

folks make mistakes.

Teacher-Now, Willie, if your mamma promised you 10 cents and your papa 15 One Peril of Diatagia Livin Mike Milligan, a miner, stepped into the Queen City restaurant shortly before 8 o'clock last evening, says the Helena Independent, and ordered a nice, juicy, plain steak. He

the match as it is today. Berthollet was the chemist, and the discovery was known as "the principle of the oxidation of combustible bodies by chlorates in the presence of strong acids." Making practical application of this principle, Chancel, in 1805, produced his so-called "oxymariate matches," in which strips of wood, tipped with a mixture of chlorate of potash, sugar and gum, were ignited by contact with sulphuric acid. About this time, also, there were numerous nonphos-phoric light producers more or less in vogue, One of these was known as "pyrophorus." was prepared by roasting alum with flour and

honey or sugar, and inflating by exposure to the air. As early as 1780 there were "electro-pneumatla fire producers" in use, in which a jet of hydrogen was inflamed by an electric spark. The Dobersiner "platinum lamp" belonged to a later date, 1823. In this hydrog n gas was ignited by contact with spongy plat-inum. About this time also there were in use in parts of Prussia small glass tubes containing equal parts of phosphorus and sul-phur carefully fused together. Into this Into this

splinters of wood were thrust and then ignited by friction. It was not until 1827 that the real precursor of our present day match appeared. In April of that year John Walker of Stock-

ton-on-Tees invented lucifer matches. or con greve, as they were called, after Sir William Congreve, inventor of the rocket. These congreves consisted of wooden splints or strips of cardboard tipped with a mixture of sul-phide of antimony, chlorate of potash, gum and starch. No phosphorus was used. They were ignited by rubbing on glass or sand-narow

paper. From this time on incessant attempts were made in different places to produce a really practicable and satisfactory friction match. In 1834 wooden friction matches containing

night in Benton, which is up in the coal re-gions. It was a ten-foot stroller in black,

regulations were put in force in German fac-tories. In Denmark and Switzerland the use

was thirteen years on the throne. He as-cended on the 13th of March, 1881, and was born on the 26th (twice thirteen) of Febru-ary. He escaped an attempt on his life on the 13th of March, 1887, and his youngest daughter, the Grand Duchess Oiga, was born on the 13th of June, 1882. "Swedish safety matches" only has been al-lowed. In 1882 the Swiss government forbade the use of any but safety matches. It was in 1855 that Lundstrom of Jonkoping, Sweden, made the first true "safety" matches. He

diamond, and the largest blue-steel diamond,