THE SCRANTON TRIBUNE --- MONDAY MORNING. AUGUST 26, 1893.



PERSIA OF TODAY.

Rev. J. W. Abraham's Lecture at the Baptist Church.

Last night the Rev. Joel W. Abra-ham delivered his lecture on "The Po-litical, Social and Religious Life of the Persiaus," at the Baptist taber-the Persiaus," at the Baptist tabernacle. He is a fluent speaker. His re-marks, which were most interesting and instructive, were listened to with much attention by a large congrega-

tion. His lecture was much improved by This fecture was much improved by the numerous views from the magic lantern. The illustrated lecture gave the hearers a good idea of Persian life. The reverend gentleman also delivered an able sermon from the same pulpit at the morning service.

THE CARPET HOLDER.

A Manufactory to Be Built on Upper

A plant for the manufactory of the new carpet holder patented by Henry New carpet holder patented by Henry W. Morgan and M. F. Sullivan will probably be erected in the neighbor-hood of the silk mill. A number of local business men have invested capital in business men have invested capital in the concern and the carpet holder will be "pushed" to its full worth. A large number of orders have al-

be "pushed" to its full worth. A large number of orders have al-ready been taken. To fill these the firm will put up a number of foot power machines. The patentees will devote their immediate attention to the busi-mess.

A Gospel Meeting.

A Gospel meeting. The Gospel meeting formerly held on Monday night-at the residence of J. M. Nicol has been moved to the hall in the old Leader building. No. 22 Salem avenue, where it will be held in the future. The meeting tonight will be conducted by Rev. W. T. MacArthur, of Scranton. of Scranton.

NEWS IN BRIEF.

The deed for the ground on upper telmont street to be occupied by the Belmont street to be occupied by the new shoe manufactory is ready for the

signatures. 'eddy" Dunham, who was reported been murdered, is safe and to hike

sound in Pittston. Mrs. F. T. Gelder, daughter Leona and son, Harold, spent several days last week at the home of the former's mother, Mrs. John Blake, of Bethany, Mrs. Robert Troote, of Tonypandy, Rhodda Valley, Wales, is visiting her son, Arthur Larke, of Belmont street, and her daughter, Mrs. J. Jenkins, of Church street.

Miss Harriet Berry has returned from a week's visit in Waymart. Saturday Miss Mary A. Durkin, of South Side, Scranton, entered as a novitiate in St. Rose convent. F. B. Gardner and W. M. Clark, of Unmedia more in this alty Satur-

Honesdale, were in this city Satur-

day, G. A. Grant, of Utica, N. Y., was a business visitor in Carbondale, Satur-

day. Frederick F. Forbes, formerly editor of the Evening Herald, has purchased the one-third interest in that paper formerly held by G. B. Sampson. Mr. Forbes will again assume editorial con-trol of the paper.

ness next month. Moon changes in his wagon shops on Bel-

M. D. Flaherty, of Scranton, was in 1 this city Saturday. A young man named Bernard Flan-nery was arrested Saturday by Dotec-tive Moran. He is charged with steal-ing a box of carpenter's tools. Columbia Hose company and the Mozart band are to head the parade at Susquehanna on fireman's day. About 1.500 persons attended the pic-nic at Farview Saturday of the St

nic at Farview Saturday of the St. Aloysius society of Pittston. Delaware and Hudson engines Nos.

the latter's sister is lying dangerously ll with pneumonia

ill with pneumonia. J. A. Kearney, of Archbald, was a visitor in this city Saturday. Mrs. Ralph (Giles, of White Oak Pond, is visiting her sister, Mrs. M. O. Abbey, of Terrace street. Miss Lydia Wood, of Cemetery street, is visiting friends at Tompkins-ville.

The Father Mathew society, of Arch-bald, will pienic at Farview today. Johnnie Mack, the famous circus clown, is in this city. He is selling

Soap. Miss Lillian Jones, of Church street, will take an advanced course at the Millersville State Normal school. Miss May Davis' of Wayne, Neb., is visiting Mr. and Mrs. John P. Jones. Miss Jean Howison, of Perth, Scot-land, who will lecture here Tuesday on Robert Burns, is at the Hotel American. American. plied science.

Manufactory to Be Built on Upper Belmont Street. A plant for the manufactory of the Misses Lizzle, Mary and Katle Burns, of Scranton, are guests of Miss Maggie Timmons, of South Main At the present time Tesla is devoting himself to the working out of another

great invention, but this time in the de-partment of mechanical engineering, known as the oscillator, from which im-

the weight of the ordinary engine of the same power. In the oscillator the pis-ton travels its path to and fro 100 times

a second, or oftener, if required. In one form of the oscillator two pistons are used that go out and in the opposite nue. Miss Lizzie Morrison, of Railroad street, is visiting friends at Crystal ends of the cylinder at the same time, thus balancing their motion and re-Lake.

Miss Maggie Murray has returned

John Hadley, of Scranton, was in this city Saturday. John Hadley, of Clifford, shook hands with friends in this city Satur-

day. John E. Roach, of the Electric City.

John Hampest, of Hornelsville, N. Y., is visiting in this city.

Y., is visiting in this city. Miss Marian Crane spent Sunday with Miss Anna Wells, of Green Ridge. Mr. and Mrs. W. A. Pentland, of Washington, D. C., are the guests of Mr. and Mrs. J. E. Burr. Mr. and Mrs. J. E. Burr. Mr. and Mrs. Joanlel C. Burgess scent Sunday at Old Force.

spent Sunday at Old Forge. William Turner is on the sick list. Mr. and Mrs. George J. Benton spent any.

Sunday with the former's parents, at Afton, N. Y. Mr. and Mrs. John James and two children, of Hyde Park, are visiting Mr. and Mrs. James Bell, on Dundaff

Percy F. Lloyd spent Sunday with L A. Bassett, of Lincoln avenue.

EDISON'S CHIEF RIVAL.

Glimpses at the Personality and Projects of Nikola Tesla, the New Wizard of

Electrical Science.

From the Times-Herald. Nikola Tesla is today the most intersting personality in the department of electrical investigation and engineer-ing invention in the world. Forbes will again assume editorial con-rol of the paper. H. B. Jadwin will retire from busi-less next month. onth. is making important is wagon shops on Bel-ble of-had in it a touch of the tragic.

M. D. Flaherty, of Scranton, was in lie attention afresh to the character and achievements of this wonderful and still youthful inventor. It is natural that the world should look with wonder on its great inventors.

What they do often has the appearance of being the work of an especial "cre-ative faculty." They seem to be men who have made rather than merely formed something. In an age like the

vised and brought into use the epoch-marking motor for multiphase alternat-ing currents, thus dispensing both with commutator and brushes. Tesla was engaged about this time contemperaneously with Professor Fer-raris, an independent inventor, in per-fecting the demonstration of the enor-mously important principle of the ro-tary field motor—a new system of electric dilstribution and transmission of power by means of alternating cur-rents.

An Important Invention.

Ilis Experiments with Light.

acts, the mood of which is sombre, the tone heavy, the action limited, but the influence of which is strangely allur-ing and fascinating, as the play is done on the Lyceum stage. Though the av-erage auditor may complain that the melancholy atmosphere of the drama is deepened by tedious movement and extreme length, the play has been most popular with Sir Henry's great follow-ing, the patronage filling the theater at every performance. It were difficult to define the charm of the play, for charm there certainly is. There is a weird mysticism about it all that com-ports with the legendary character of the story, and in the scenic work the artists of the theater have succeeded marvelously well in preserving the mys-terious suggestiveness of the half-su-pernatural. Much is gained, too, from the costumes and color schemes de-signed by Burne-Jones, the pre-Ra-phaelite robes and draperies, the soft tones and neutral thits, with here and there a florid or vivid emphasis, seem-ing to fit well with that dim, sheadowy epoch of wonder and enchantment fa-miliar to most of us through Tenny-son's idyls, though it was not from the estimation the older source, that Co-The various Tesla patents having been acquired by the Westinghouse Electric company, they began at once to be put to uses in many ways, to the inestima-ble advantage of the world's growing mechanical industries. In the year 1890, Mr. Tesla, severing his connection with Mr. Tesla, severing his connection with the Westinghouse company, devoted himself to the study of alternating cur-rents of high frequencies and very high potencies. His lecture on "Expe-riments With Alternating Currents," delivered before the American Insti-tute of Electrical Engineers, and short-ly after repeated before similar bodies in London and in Paris, and elsewhere in the summer of 1891, marked a fresh era in the evolution of electrical ap-plied science. son's idyls, though it was not from these, but the older source, that Co-myns Carr drew his inspiration.

While every scene is beautiful, but one of the six throws off the religious dimness of effect which is one of the barely comprehended spells put upon us by the representation. This excep-tion is the bright, flower-gladdened vision of the Whitethorn Wood, into which the not yet errant queen comes a-Maying, preceded down the winding, bosky path by the white-robed maidens who are so radiant a part of her suite. mensely important results are antici-pated. If successful, this new mechan-ical contrivance is a combination of the steam engine and the dynamo, by which, it is said, an engine of a given power can be made about one-fortleth he weight of the ordinary angine of the who are so radiant a part of her suite. Fitly enough in this scene occurs the only line of comedy in the play, the one opportunity for pert emotion to re-lieve itself with a laugh. And it is a simple bit, too. Dagonet, introduced as the queen's fool, and as a young man runs into the clade from the man, runs into the glade from the right slope, and, trembling in mock fear, implores the ladies to save him, lieving the apparatus from the rapid for he is sore pressed. Guinevere asks: "What, hath some beast pusued thee?" and he, looking over his shoulder as he

shock of vibration. Just how revolutionary this new step in both steam and electrical engineer and he, looking over his shoulder as he crouches, answers, as if still apprehen-sive: "Aye, truth, a most sweet beast, yet fearsome, too," Whereupon one of the ladles, the dark Charissant (admir-ably pictured by Miss Allsa Craig, Eling is destined to be is not yet wholly certain. But in view of what is already as good as certain that electric-ity is destined, and that before long, to take the place chiefly of steam in len Terry's daughter) thinks it well that the knights be called to the protection of the ladles; but Guinevere shames rallway and other traction, in the opin-ion of the most competent to judge, its importance can hardly be overstated. The problem, the worst to be met, has been to devise the best type of engine for driving the simplest and most eco-nomical form of drama of accura their fears and demands of Dagonet to describe what manner of beast it was affrighted him. "What form hath it?" And Dagonet, with great solemnity, re-sponded: "Well, to be plain, yet modest withal, and not too curious, it is in all binors banned like a modest." nomical form of dynamo. Of course, until the problem has been completely withal, and not too curious, it is in all things shaped like a woman," following which there is laughter and Dagonet runs on mirthfully to inform the com-pany that "a maid who had tended a herd of swine" had flung a garland about his neck and sworn "a most vii-lainous oath that she loved me well." This little episode is quickly over and the play returned to its serious mood, deepening rapidly into pathos and the guif of flooding tragedy. It need not be pretended that the author has risen to that beautiful plane of sentiment and passion and poetry that has given worked out there remain some things about it which the wary inventor "keeps to himself and scarcely tells to Some of Mr. Tesla's most brilliant experiments of startling beauty have had to do with phenomena of light and heat as produced by electrostatic forces acting between charged molecules or atoms. As described by Mr. Marten, perfecting a generator that would give him currents of several thousand alter-nations per second, and inventing his disruptive coil, he has created electroand passion and poetry that has given imperishable worth to the Idyls of the King, nor that we do not lose much of static conditions that have already modified many accepted notions about the deep compasionate quality that lies between the queen's sin and that soulelectricity. For one thing, it has been supposed that one or two thousand volts' potential would surely kill, but awakening when her thought is Arthur's, "nor Launcelot's nor anoth-er's;" nor that we miss nothing of the holy grief which should attend the no-Mr. Tesla has been seen receiving through his hands currents of a poble Passing of Arthur: but the work has been well done by the poet-dramat-ist, and what he has omitted from his lines the art of the theater has sup-plied to intensify interest in the play. tential of more than 200,000 volts, vibrating 1,000,000 times a second, and manifesting themselves in dazzling streams of light. An actual flame in this way produced by intense white-ness that does not consume anything. "bursting from the ends of an induc

A reasonable objection, from the standpoint of poetic adequacy, may be urged against the final scene, in which Arthur (come as the queen's companion against the tyranny of Mordred, who "bursting from the ends of an induc-tion coil as though it were a bush on holy ground," with such vibrations as can be maintained by a potential of 2,000,000 volts. Mr. Tesla expects some day to clothe himself in a robe of lamagainst the tyranny of diordred, who sits the throne in the belief of the king's death) is slain in the great hall of Camelot by a sword thrust in a feeble combat with Mordred. You feel that the catastrophe is not equal to the cobent fire that will be altogether harm-less. Indeed, such currents as he now uses, he says, would keep a naked man warm at the north pole; and as for the possible curative uses of such currents. A Serviceable Suit for gency of events nor to the sublimity formed something. In an age like the present, when so much of the world's industries depend upon mechanical uses of nature's forces, the inventor becomes of that "true lord of all" whose soul should pass from the bruit of horrid A Good Wool Suit for battle, not from the chamber clash Another of the ideas which Tesla is duelling swords. working out is that of the transmission of intelligence, and perhaps of power. A Nobby Dress Suit for Irving is somewhat far from the shores of youth to satisfy one's ideal of Pendragon's son, the goodliest knight of all the world, and he is scarcely at pains in his makeup to hide the imprint of past maturity; but the spiritual and across wide spaces without the use of 2 Pair Knee Pants for any connecting wire. This, of course, is not any experiment of trying to "do something by means of nothing." It is entirely scientific; it is an effort to essential quality of his interpretation is entirely scientific; it is an effort to utilize the earth itself as an electric conductor. It is an attempt to get at the law of those earth currents of electrical force in a way to devise some mthod of getting the mastery of them, and of bringing parallel currents, though widely separated in space, into "resonating" relations with each other, the an electric current being turned "a conductive currents of electrical force in a way to devise some mthod of getting the mastery of them, and of bringing parallel currents, though widely separated in space, into Miss Terry has been seldom better sulted to a part than she is to Guin-To Do Away with Wires. evere, though the role is not, justly speaking, equal either to her artistic or her dramatic dimensions. But Guin-As Mr. Tesla himself has said: "In evere is distinctly in her vein, notwith-standing she is remembered as the Beatrice par excellence and has within her wit a veritable sprite of comedy. The strictly critical may have much to concerns the welfare of all. 1 mean the transmission of intelligible signals, or, say in disparagement of "King Ar-thur," but I do not hesitate to commend it heartily to lovers of the poetic drama as one of the gost interesting of the Lyceum productions, all points being taken into account.



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one of the greatest of public benefac-24 and 71 had a slight collision in the yard Saturday morning. The most se-rious damage was the wrecking of the the saving economics-saving in time

Benjamin Brockman and family, of Wilkes-Barre, spent Sunday at the home of C. P. Hallock, on Gilbert

street Rev. and Mrs. George A. Place have

returned from Ocean Grove. Mrs. John Ulmer is visiting Wayne county friends and relatives. Miss Nellie Duggan, of Providence.

is the guest of Miss Ella Harte, of Dundaff street. Joseph Hoole has left for Derby, where he will spend a week's vacation. Misses Kate 'Manley and Maggie Dean, of Dunmore, are visiting rela-

Dean, of Dumbere, are visiting reac-tives in this city. Mrs. William Roberts and Mrs. James McAndelle, of Belmont street, have left for Carterville, Ill., where



Came on my leg after typhoid fever, and pieces of the bone came out. Rheumatism joined the scrofuls to put me in misery. Hood's Sarsaparilla proved just the medi-cine; relieved me of pain, gave me a good appetite and I laid aside my crutch and cane. Having taken 10 bottles

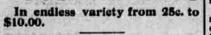
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pilot on No. 71, Miss Jennie Tuch, of Waymart, spent Sunday in this city. Sunday in this city. Miss Lizzle Merrick, of New York city, is a guest at the home, of P. H. Murray, on South Main street. Miss Lizzle Merrick, of New York imited. Should this simply be prema-turely exhausted the calamity would be beyond calculation. Engineering invention, if it can, must devise methods for its most economical utilization and

expenditure. Are these other forces of nature still lying dormant or being let run on to waste-powers that are wanted in help-ing out the tremendous tasks which the eager workers of the world are having

in hand? There is Niagara, with its seemingly almost infinite power, run-ning to waste. Who can by searching find out nature's secret methods and fit the apt contrivance to the natural law the apt contrivance to the natural law so that that and other similar wasting forces may come into play along with the other working forces of this "in-dustrial age?"

These are some of the questions which nobody has studied more deeply or with more surprising success than Nikola Tesla.

Tesla Is a Genius.

But who is this deep prier into na-ture's mysteries, this wonder-working magician? Where did he come from? How came he here? And how came he to be what he is, to do the things which already made his name so fahave mous

In the first place, this Nikola Tesla, though plainly enough a man of genlus, is no magician. He is no mere vision-ary. He is no child of luck. His achievements have been no accidents. He is one of the most logical of men. He has not jumped to conclusions. Ev-ery perceptive faculty has been alert; but so have all other co-ordinate faculties of the mind benn alive and alert, each faculty instant in the doing of its own part toward the wanted and waited

or result. President Jordan, of the Leland Stan-President Jordan, of the Leland Stan-ford university, is right in insisting as he does in a recent strikingly just arti-cle in one of the educational reviews that "genius" should be taken as the "model in education." The man of true genius, when he does the things at which men wonder and admire, has no lazy fibre in his brain. All the facul-ties work-work, at their best. And they work at their best because they.

ties work—work at their best. And they work at their best because they work suitably and all together. But Nikola Tesia—in America he is one of our "immigrants," as Ericsson was, as Agassiz was, and some other such people whose names and services, the world will not soon let die. Tesia is now 38 years of age. He is by birth a Slav. His boyhood home was in the borderiand of Eastern Austria, where Slav and Turk have so often struggled for the mastery. He was born in Smil-jan, in the province of Lika. His fa-ther was a clergyman of the Greek church, who had hoped to have his son succeed him in the sacred office. His Education.

His Education.

the one electric current being turned to the other.

connection with the resonance effects and the problem of transmission of energy over a single conductor. I would say a few words on a problem which constantly fills my thoughts, and which

perhaps, even power, to any distance without the use of wires. I am daily becoming more and more convinced of the practicability of the scheme: and

though I know full well that the major-ity of scientific men will not believe that such results can be practically and immediately realized, yet I think that all consider the developments of recent years by a number of workers to have been such as to encourage though and experiment in this direction. My conviction has grown so strong that I no longer look upon this plan of en-ergy or intelligence transmission as a mere theoretical possibility, but as a serious problem in electrical engineer-ing which must be carried out some day. The idea of transmitting intelligence without wire is the natural outcome of The the most recent results of electrical in-vestigations." Some enthusiasts, he says, have expressed the belief that telephoning to any distance by induc-tion through air is possible; for him-self, he cannot stretch his imagination so far, but he declares his firm belief that it is practicable to disturb by means of powerful machines the elec-trostatic condition of the earth, and thus transmit intelligible signais, and

thus transmit intelligible signals, and perhaps power. We need not be fright-ened, he says, by the idea of distance. To the weary wanderer counting the mile posts the earth may appear very large; to the astronomer it appears very small. So, Tesla thinks, it may seem to the electrician. The "big earth," as we call it, contains a certain capacity of electricity; let the electri-cians of the world find out how to meas-ure that capacity, and then, reasoning solidly from one point to another, find

solidly from one point to another, find out how to convert the "art and mys-tery" into the art and mastery of it,

tery" into the art and mastery of it, for the world's everyday uses. Nikola Tesla is a man of a most in-teresting personality. Through his in-ventions he has begun to do the work of millions of workmen, so helping on immensely the possible achievements of the great world's industries in order to the growing comfort and happiness of mankind. This man, of whom Amer-is now so proud, is not without honor in the region of his birth. The Order of the Eagle has just been conferred upon him by the prince of Montenegro, as previously the Order of St. Sava had been given him by the king of Servia.

IRVING'S KING ARTHUR.

The New Play of the Great English Actor Reviewed by an Accomplished Critic-It

Coming Season.

From Barron's London Letter. When Sir Henry Irving shall begin his season in the United States in the fail one play of his repertory will be the Arthurian romance by J. Comyns Carr which had its orbinal produc-tion at the Lyceum theater in January of this year. "King Arthur" is a nobly written drams in a prologue and four



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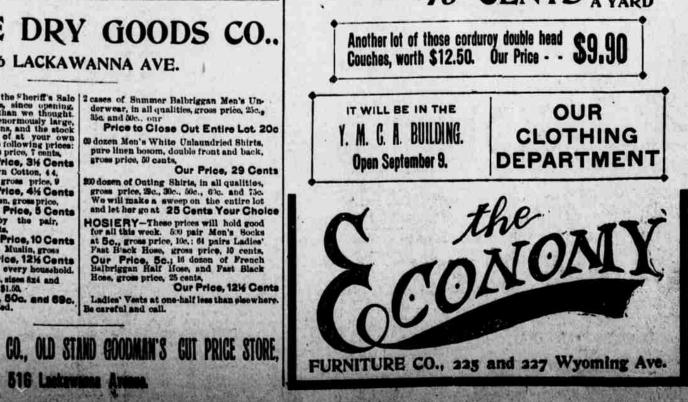
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