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Been Cited for Contempt. Judge Scutt of the district court of this

fore the supreme court on December 7 to

show cause why he has failed to carry out the mandate of that court in the case of

this county. In that case L. D. Hoimes of this city appeared for one of the creditors

yceterday give his version as follows: "My transaction as judge of the court re-specting said matter has gone into the pub-lic records of my court and is known perhaps

Electricity's Tremendous Strides in the Street Railways of the Wor'd. Origin and Development of the Trolley System and More Recent

Methods of Applying the

size and canacity of those employed for ring-ing electric bells and similar work. This occurred fifteen years after Divenport an-nounced his ideas. In 1875 the present trol-ley system was first seriously considered and an attempt was made to operate a trol-ley by George F. Green of Kalamazoo, Mich., who, like Davenport and Farmer, was a poor incchanic studying scientific problems prin-cipally for entertainment and his own personal gratification. His invention was neces-sarily crude, but it has been affirmed by the courts to have been the foundation of the present trolley system, and it is generally acknowledged that the Michigan inventor is entitled to the credit of making the disalthough he has enjoyed scarcely any other reward. BIRTH OF THE TROLLEY.

Kearney involving about \$1,900. The case was brought against the company about one year ago by Charles E. Wilking for personal CAUGHT MANY TAX SHIRKERS Details of Case Out of Which He Has TWO SIDES TO THE QUESTION MARVEL OF PRESENT AGE the danger of accidents to persons crossing and also the difficulty in designing a rail that would hold all the current that would be were asked, and yesterlay a verdict in Tax Department Gets People Who Have required to operate the road. The officials of the company, however, decided to base their confidence on the one man who thought it was possible to build a road as proposed, and Interstate Commonse Commission's Decision favor of the defendant was rendered. as a Eubject for Discussion. the first experiment was so successful that the company decided to equip a large por-tion of its road in the same manner, as it PROGRESS BY LEAPS AND BCUNDS was proven that there was greater efficiency of service at less cost than when the road was operated by sterm. DEBATE ON BRIDGE ARBITRARY DECISION OBJECTIONS TO THE TROLLEY. Commercial Club People Believe it <text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text> The great objection to electric roads has Wrong and Railroad Men Think been the overhead trolley on account of the liability of the wires to break and endanger No Other Conclusion climber. The construction of an electric railing from the start and would never have allowed is successed in the durit of an previous of the commission might result in their beam migh BIRTH OF THE TROLLEY. In 1883 the next step was taken when the step was taken the step was taken was too far shead of the step was too far shead of the two supporting takes on which are the was too far shead of the wester many takes the step was too far shead of the wester many too we step was too far shead of the was too far shead of the wester many too we step was too far shead of the was too far shead of the wester many too we step was too far shead of the wester many too we step was too far shead of the wester many too we step was too far shead of the wester many too we step was too far shead of the wester m

Hitherto hirked. POOL OF IMMIGRATION TRAFFIC. Steamship Lines and Trank Railroads Make an Agreement. NEW YORK, Nov. 19.—Representatives of all the principal transatiantic steamship lines met in this city and formed an immigration pool. A joint ogreement regarding immigrant tickets in this country was signed.

Assessors' Rolls This Year Contain the Dickinson Paper company, Judge Scott Property Never Before Listed_ Real Estate Totals More

COMBINE MACHINERY AND BROOMS.

Blue Barrel Brigade to Be Reinforced their demand was according to law and they Next Senson. The problem of street sweeping and clean. Ceeds of said sale, as determined by the de-

ing during the exposition is circady receiv-ing some consideration from city officials. to pay to the creditors the amounts found tog some consideration from city officials. City Engineer Recovater has been making some general investigation of the subject due under said decree, and that the amount due under said decree, and that the amount due under said decree, and that the amount these crimes. STOCKMEN LOSE THEIR CASH.

TOPEKA, Kan., Nov. 19.-The Santa Fe and has decided that sometime during the benefit of said paper company, as shown by railroad has for some time been arranging to winter the Board of Public Works will ad-

ELLIS HAS A BAD RECORD

judicial district has been cited to appear be- One of Eennett Eurglass Proves an Excellent Capture.

SEVENTY-FIVE HUNDRED NEW NAMES Ackerman against Ackerman, appealed from THIEF AND MURDERER IN JAIL HERE

Wisconsin Officials Give the Local Police the History of a Man Who Has Committed

PUTTING IN SAFETY APPLIANCES. Statement as to Ronds Complying with the Law. WASHINGTON, Nov. 19—The Interstate Commerce commission desires to correct the New York Central and the Chicago, Bur-lington & Quincy railroads are fully equipred with safety appliances. Out of 426 roads that bays reported to the commission in the mat-

for the crook and that he has served sentences for grand larceny in the state penitentiary of Michigan. Little is known as yet of Fernley. The pilce find that previous to arrest the men had been in Omaha about the court, as the proceedings before me in for that regard were not stayed. I adjudged that of three weeks, and were probably connected with a couple of burglaries committed in Omaha during that time, and investigations

campany inaugurated a conduit trolley road. was abandoned early in 1885, as it could not be operated with economy.

The credit of the first electric street pill way that deserves the name belongs to the city of Richmond Va., where Frank J. Sprague in that year began the work of transforming the Union Passenger railway from a declared that much of the work he did on that road was done in the face of what seemed to him at the time certain failure, but he persevered, and his grim determination and great versatility flually turned defeat into victory and brought him honors and wealth. Today the equipment wou'd not be accepted in a lumber camp, but at that time it was admitted by everybody to be far in advance of all former attempts. Sprague's successful operation of the Richmond road led others to adopt electricity upon a larger The West End company of Boston scale. was the first large concern to signify its be-lief in the practicability of the system by ordering a complete equipment. From this point interest was shown everywhere, but esecially throughout the west, and every tow n the northwest was seen clamoring for the

trolley. LESSENING THE COST.

The efforts of all the practical men inter ested in the operation of electric street railways have been directed to lessening the cost of operation. In track construction the rails have been made heavier than the sections in use on steam roads, and great care has been given to bonding, there being many patents issued on devices whose object is to prevent the escape of electric current into the earth on its way back to the power house, which has resulted in the continuous rail in which the ends of the rai's are welded together, either by electricity or joined by the cast weiding process. When the originators of these processes first brought them to the no tice of the street railway men they were considered impracticable because it had been customary for the steam roads to leave spaces between the rails to allow for contraction and expansion, and this practice has been followed in street rallway work. As street railway rails are almost entirely covered by the pavement and the steam road ralls are come inches above the ground, it has been demonstrated that in the former case there is comparatively little expansion or contraction, but there is great economy as the loss of current is minimized. Some reads bond the rail sections in addition to welding them. rail sections in addition to weight them. Much thought and work have been given to the development of motors and to con-trollers which regulate the admission of current to the motors. The series parallel controller is the highest type. THIRD RAIL SYSTEM.

It was not long before it was discovered that there was a limit to the distance over which power could be transmitted and give perfect results, so that long roads found it necessary to build more than one power house, the additional houses being located

at convenient distances along the line of the road. The three-phase system of transmission enabled companies with many miles c road to make one power house do the work of several. By this method the current was generated by ordinary dynamos, a por-tion of it was used to supply as much of the line as it was capable of doing with economy, while the remainder was raised by means of transformers and transmitted by heavy cables to the end of the first sec-tion, where enough to supply the next sec-tion was connected with stepdown transformers, which reduced to the voltage d for operating the line. In 1 third rail system which was on the electric railway at 1892 quired in the

World's Fair first made its appearance. The first large installation was that of the The first targe installation was that of the Metropolitau Elevated railway of Chicago, which was followed by the Lake Street Elevated road. When the Consolidated road of New England decided to try the experi-ment of equipping its Nantasket Beach branch with electricity, because its patrons demanded better service and the highest efficiency that could be obtained from steam was already utilized, a special overhead wire was used, which gave way to the third.

means of double reduction gearing, the main-ccg wheel. These reduction gears are duplicated on each motor, being aranged symmet-

rically on each side. The highest output of these machines will be 300 horse power, corresponding to about 285 apparent kilowatts or about 235 amperes per phone at a pressure of 500 volts. The pinions are made of aluminum bronze, the larger spur wheels of cast steel and the driving cog wheels are made of cost steel which has also been wrought. The repitch and are machine-cut on the skew, so as to secure an easy running and no side pressure. The driving cogwheels are made as large as possible, in order to get good grip of the teeth in the rack, and ittle wear from friction as possible. The driver's cab is enclosed and is constructed f wood, on account of the cold. The Jungfrau locomotive is the most powerful cog so far.

> system. FARMER AND HIS ACHIEVEMENTS. The recent meeting of the American In-

titute of Electrical Engineers at Elliot, Me. id double honor to the memory of the varied chievements of Prof. Farmer, whose death ook place in Chicago while visiting the

he meeting was held on the fiftieth anni-creary of his entering upon the field of elecrereary of his entering upon the field of elec-rical work, in which he achieved such varied in the one-fare rate to Kansas City for the distinction. As previously stated, to Prof. Farmer belongs the distinction of being the lines. He takes the stand that if the railinventor and builder of the first passenger-carrying electric railway apparatus. He was also the first to use electricity as an il- sport the games would soon become so well uminant for residences. The most promi- attended that they would prove to be neat feature of the meeting was sources of profit to the railroad companies, the display of the experimental ap-paratus of Prof. Farmer, which were hereafter do everything in its power to ze-supplied by his daughter, Miss Sarah cure low rates for foct ball games between J. Farmer, who lives at the old teams representing state universities. J. Farmer, who lives at the old homestead, and by the Smithsorian insti-

tute which possesses a motor and car which were first exhibited fifty years ago. Prof. Dolbear, in his memorial eddress, summed up Prof. Farmer's achievements as follows: At 26 he built an electrical road; at 28 he improved the telegraph; at 30 he in-vented and constructed a fire alarm system with water power driven dynamos; at 35 he discovered the means of duplex and quad-ruple telegraphs; at 36 he invented a way of depositing aluminum electrolytically, and at 39 he lit his parlor at Salem with incandescent lamps; at 44 he greatly improved thermo-electric generators; at 46 he was the first to invent the modern dynamo with self-

exciting field; at 48 he lit a house in Cam-bridge, Mass., with forty incandescent lamps in multiple circuit, and all properly selfregulating. Prof. Dolbest also expresses belief that there was good reason for credit ing him with the introduction of the conlenser into telegraph work.

Nansen Makes a Denial

MILWAUKEE, Wis., Nov. 19.-Dr. Fridtjof Nansen, who delivered a lecture here last night, when shown the Associated Press dis-patch from Christiania saying that arrange-men's for his next Arretic irip have been completed, said there was no truth in the story. He says he has no plans for the future, has not decided if he will make another trip and has not authorized mak-ing arrangements such as are said to be under way in Christiania, Norway. Dr. Nansen's health is giving way under the strain of his lectures and he says that in the future he will not take part in any demonstrations. night, when shown the Associated Press dis-

demonstrations.

Pleads Guilty to Embezzlement.

CHICAGO, Nov. 19.-George Bogart, ex. city clerk of Evanston, today pleaded guilty to having embezzied the funds of that city. to having embezzied the funds of that city. After testimony had been heard regarding the nature and amount of the defalcation the case was continued until December 3, when sentence will be pronounced. Hogart's embezziement was \$5,591. Mayor Dyche of the city of Evanaton feetified that the ab-sonding clerk had turned over to him prop-erty valued at \$12,600. This fact, it is said, will be made the basis of a strong ploa for clemency in behalf of Bogart. ment of equipping its Nantasket Beach branch with electricity, because its patrons demanded better service and the highest efficiency that could be obtained from steam was already utilized, a special overhead wire was used, which gave way to the third, rail system. Electrical engineers, with one exception, demonstrated to their satisfaction that the plan would prove a failure on the surface for various reasons, smong them

polats are unreasonably high.

SANTA FE WILL MAKE THE RATE. Old Officers and Directors Re-elected.

Kansas City Gets Excursion Figure for a Foot Ball Game. The proposition to make a one-fare rate to Omina for Thanksgiving day on account of fices at Cincinnati yesterday. The old board of the Nebraska-Iowa foot ball game has been lost by a vote of the roads in the Western wheel locomotive which has been constructed lost by a vote of the roads in the Western organized and re-elected the old officers: so far. It has a tractive effort of 14,500 Passenger association, but according to some president. E. P. Bacon; vice president and pounds. It will work on the three-phase well pested passenger men the end of the general manager. W. W. Peabody; secretary. movement to secure the rate is not yet. A

similar proposition for a one-fare rate to Kan sas City on Thanksgiving day on account of the Missouri-Kansas game was turned down by the reads in the Western Passenger assoclation. General Passenger Agent Black of the Santa Fe, however, has come to the res-World's fair. Elliot was the residence of cue of the foot tall enthusiasts. In a strong the professor at the time of his death and letter sent to Chairman Caldwell of the through sleeper from Chicago to Jacksonville Western Passenger association yesterday Mr. sonville. Union Pacific has returned from Chicago. great The Union Pacific and Northwestern

traffic men who attended the Shelton reunion of live stock men and railroaders have returned to this city. No change has occurred in the westbound old teams representing state universities. nstl- Copies of this letter ware received by the

Omaha passenger men yesterday and set them to thinking. As a result of the clear cut statement made by General Passenger Agent Black it is probable that one of the Omaha railroads will inform the Western Passenger association that it also proposes to kick over the traces on the proposition for a one-fare rate to this city for the Thanksgiving day game, and put such a rate into effect, the other roads in the association to the contrary, notwithstanding. This will certainly bo done if the Wesleyan-This Carlisle Indian game is arranged for this city, and it may be done for any game that Wesleyan may secure here on that date.

Trying to Settle Mail Contract. General Manager Savin of the Omaha

Kansas City & Eastern and of the Omaha & St. Louis railroad, and F. D. Norton, superintendent of the United States mail service for Missouri, are at present engaged negotiations looking toward the carrying of mail between Trenton, Mo., and Pattonsburg, Mo., on the new railroad. It is prob-able that a contract for such service will be made within a few days. The railroad official is at present holding out for a higher bid than the government has offered for the Up to this time the mail work. Up to this time the mail between these two points has been carried by an

antiquated stagecoach, and the passing away of that form of the mail service is regarded as an epoch-making event in the history of the porthern part of Missouri.

Secretary Howard in the City. Clarence H. Howard of St. Louis, secretary

of the Safety Car Heating and Lighting company, is in the city accompanied by Mrs. Howard. The system of car heating em-

ployed by the company he represents is that of hot water circulation and direct steam with regulating devices. The lighting system is the Pintsch compressed oil and gas method, which is now in use on 76,000 rall-road cars in America and Europe. It was through the courtesy of Segretary Howard that the parade committee of the Knights of Ak-Sar-Ben this year obtained several valua-

trators.

Through Sleeper to Jacksonville.

Railway Notes and Personals.

Soldiers from Illinois.

ointed by Governor Tanner, and these

Read "Simon Dile" to the Sunday Bee

Carrier Pigeons for Alaska.

favorable to an affirmative reply.

f the

being very good.

constant supervision of the succets make necessary. His idea is that the decired results can be most economically obtained by cleaning the suburban streets with ma-CINCINNATI, Nov. 19.- The annual meeting of the Baltimore & Ohio Southwestern

chinery tous allowing the concentration of stockholders was held at the company's ofdirectors was re-elected, and after the adjournment of the stockholders meeting organized and re-elected the old officers ASPHALT PRICES GO UP AGAIN.

Bids Opened by Board of Public Works Show a Reaction. Edward Bruce; assistant secretary, F. E. Tracy; treasurer, W. E. Jones.

which were opened by the Board of Public said Lehmann, and that any action of the Works yesterday afternoon, indicate a court respecting the matter then before the ATLANTA, Nov. 19.-Important arrangeelight advance on the figures at which pre-ceding contracts have been let. While it in the matter until he was sufficiently rements have just been completed by the Centr) of Georgia railway for the running of a ceding contracts have that this district, which covered, that in the estimation of his pays was not expected that this district, which covered, that in the estimation of his pays is new paying, would be caved at prices sicilan, whose opinics in the matter ranks as low as those bid on streets where the as high as the coinion of any physician west as here was already in and a differ- of the Mississippi river, the same could be robbed of \$110. Kittle Owens, Hazel Dean robbed of \$110. Kittle Owens, Hazel Dean for the for the accommodation of winter travel to the south. This will be the first through Pullman sleeping car line ever operated for winter tourist travel between Chicago and Jackent classification was used, the figures oub-mitted are relatively higher than those at which a number of contracts have been let this year. The apparent indication 's sid Lehmann was in such precari-that the competition between the various ous condition physically, said Holmes that the competition between the various persisted in taving an order issued ous condition taving an order issued General Manager Edward Dickinson of the

that the competition between the various ous condition physically, said Holmes contractors has reactionary stage persisted in taving an order issued and that the tendency is to raise prices to on said Lehmann, as receiver, to a more profitable basis. The following bids such on extent that the court asked said were submitted for paving the district with Holmes if he proposed or would follow a

changes which are thought advisable in the specifications and blds on this contract will

INSPECTING THE FIELD OF SHILOH Electrical Construction Increases.

City Electrician Schurig says that there Marking the Places Occupied by s more electrical construction going on in

> being Peraccident.

Building Permits.

The Omaha and Grant' Smelting and Refining company has been granted permits for the erection of two additions to its plant at Seventh and Case streets. One is a brick carpenter shop, which will cost about \$1,200. and the other a one and one-half story brick to cost \$2,200

SAN FRANCISCO, Nov. 19.-A carrier pigeon fancier of shis city has given the The Danish Lutheran Church society he taken out a permit for some repairs and alterations on its property at 2217 North United States government eight pairs of his Twenty-sixth street.

Minnenpolis Alderman Convicted

MINNEAPOLIS, Nov. 19 .- The jury in the trial of Alderman Durnam, charged with soliciting a bribe of \$10,000 from a contract, ing firm, found a verdict of suilty this morning. This is the first conviction in the aldermanic boodling cases.

tion in the matter it was against Council Bluffs and not against Omaha."
If we see the set of the streets and spared to keep the streets in a cleanly and creditable condition. This will be a difficult matter in view of the crowla which will court upon said Lehmann; and it then being reported to the court that the sold Leh-mann was dangerously sick and any order mann was dangerously sick and any order | Matt Rogers fell victim to the wiles of a made respecting that matter would jecoardize | Matt Rogers fell victim to the wiles of a his life in his then condition. I ordered the couple of bad women, who give the names

his life in his then condition, I ordered the attorneys representing certain interests in of Bertha Lewis and Annie Casey. the blue barrel brigade in the business dis-trict. from him, if such he the fact, a sworn state-ment regarding the matter, and bring into court such sworn statement for the guidance of the court in the premises. Thereapon the attorneys did in due time present to the court The bids for paving Half-Howard street, from Thirty-sixth to Thirty-eighth streets.

"This, in brief, is a statement of the facts in the case, as I remember them, and I think

my memory is correct." SAYS IT WAS HEART DISEASE.

Defense in Shryock Insurance Suit Eu-

ters a Novel Plea. A somewhat peculiar defense is being made by Cella V. Shryock to recover \$5,000 insurance on her husband's life. The insurance company is pleading that it is not liable under an allaged condition in the insurance contract, which released them in the event that the insured's death is partially brought about from heart disease in con-

jurction with injuries sustained in an

It appears that at the time Shryock sus-tained his injuries in Cass county he was suffering from a heart trouble. The loss of blood resulting from his injury so weakened his heart that he died. The defense is now introducing testimony to show that the inвигалсе

This case has been on trial since Tuesday

Little Hope for Boyd.

S. L. Boyd, city milk inspector, who was badly injured in a runaway near Twentieth the strike numbered thirty. Since and Center streets Thursday and who was later removed to the Presbyterian hospital. was reported to the Presbyterian hospital, operation was performed at the hospital last evening in hopes of saving his life. The pa-tient, however, passed a bad night, and there is little hope entertained of his re-

Winter against each of the prisoners

Rogeri met them on the street and the trio adjourned to 1015 Davenport street, where a large quantity of beer was consumed. When the women had departed Rogers missed \$6. F. B. Johnson, a stockman from Spokane Wash., also h.d an experience Thursday Thursday night very similar to Rogers'. He called at the house of Kittie Owens and was relieved of a wold watch and chain valued at \$50. Stella Green has been arrested for the theft. A search warrant has been issued in an effort to locate the property. A charge of grand larceny will be lodged sgainet the Green woman.

and Addie Frazer were arreated for the crime. Russell positively identified the Dean woman as the one who had taken his money. There are at present five cases pending against the Owens woman for larceny from the person and she has been arrested times innumerable for similar offenses, in each of which she succeeded in evading the law.

GIRLS MIXED UP THE SCHOOLS

listers from South Dakota Ask for L. J. Binke's Arrest.

Bertha and Albena Nikel, sisters, hailing from a small town in South Dakota, have secured a warrant in police court for the arrest of L. J. Blake. It is charged that Blake obtained \$69 from the young girls under false pretenses.

The girls say they came to Omaha about fortnight ago in order to take a course in the Omaha Commercial college. They had a catalogue in their possession issued by the school named named, and showing it to a stranger whom they met were directed by mistake to the school conducted by Blake near Sixtcenth and Capital avenue. The Nikels say they showed the catalogue to Blake, and that he assured them that his was the school in which they were in quest. As the girls do not speak very good English and are somewhat unsophisticated, they reby the Masonic Accident Insurance Associa-tion of Iowa in the suit brought against it by Cella V. Shryock to recover \$5,000 in-course of studies. Later they found the wrong school had been entered, and as other things were not as per agreement, they demanded their money back. The g Blake refused to make restitution The girls say warrant for his arrest was accordingly sworn

TWO MINERS FATALLY BEATES.

Trouble Supposed to He Outgrowth of Recent Strike.

but

ST. LOUIS, Nov. 19 .- A special to the Post-Dispatch from Mascoutah, III., sava: Martin Bartholomy and George Rochl were jury of itself would not have caused death and is contending therefore that it should not be held liable for the amount of in-twenty masked men on the night shift of twenty masked men on the night shift of six miners at the Kolb coal pit near here. and will probably occupy a day or two more. Both of the fatally injured men have families. Blocdhounds will be secured, the au-

thorities say, to ferret out the guilty ones. only one fifth as large a force of men has been at work. President Kolb says he will leave no stone unturned to find the assail-ants and to bring them to justice. It is not ants and to bring them to justice. It is not definitely known what caused the attack, but it is supposed to be an outgrowth of miners' strike.

NASHVILLE, Tenn., Nov. 19.-Advice Omaha at this time than there has been for from Savannah, Tenn., near the battlefield of Shiloh, state that Colonel Cornelius Codle, Major D. W. Reed, Colonel R. F. Looney and General D. C. Buell, constituting the Na-tional Shiloh Battlefield commission, have years. Permits are constantly being taken out for new plants and additions to old ones, and so much new work is being put in that the electrician is kept on a continual hustle to keep up with his inspections. The new alternating current are lamps are being reached that place and are now engaged in an inspection of the battle ground. They are largely introduced for interior lighting in the down town business establishments, and for this purpose they are found to be decidedly ccompanied by the Illinois commission, ap superior to those previously in use. mark the places in the park occupied by Illi-nois troops. The Ninth, Twelfth Fourteenth, Thirty-fourth, Forty-first, Forty-eighth, Fifmits for the installation of forty alternating current arc lamps were issued last month and this month's record will show nearly an runty-fourth, Foiry-first, poly-first, pri-ty-fith, Filty-seventh and Sixty-first regi-ments of Illinois infantry, and battalions B and D. First Illinois artillery, are repre-sented by special commissioners. The na-tional commissioners and attendants will re-main at the battlefield about a week. equal number.

freight rate situation. The supplement is-sued on Wednesday still stands, as no further supplement has yet appeared. Whether it will be allowed to go into effect on Satur-day is an open question, with the chances

Robert R. Ritchle, formerly general agent Northwestern in this city, and general agent of the same company for the Pacific coast, is in the city. He has been in at Chicago headquarters and will go on to San Francisco. He is looking well and says that he thoroughly enjoys life on the Pacific coast. He reports eastbound business from the coast, both freight and passenger, as be received at a future date.