

THE FIELD OF ELECTRICITY

Trial of the Third Rail Electric System on a Steam Railroad.

RESULTS OF A THIRTEEN-MILE RUN

Speed, Comfort and Economy Marked Features of the Trial-Niagara Falls Power-Other Electrical Developments.

An official test of the third rail electric system on a steam railroad was made on the 10th inst. on the New Haven road between Hartford and New Britain, Conn., and the results are regarded as foreshadowing a revolution in railroad motive power.

The third rail system is not a new thing, having been in successful operation on Chicago elevated roads for several years. Its practicability was not in question.

The experiments were begun three years ago on the Nantasket Beach road, which was selected because it was on a level track.

It was this discovery that it is possible to run a trolley on a level track, that led to the third rail system on Berlin to Hartford.

The present use of 600 volts, 100 more than in the overhead trolley system, is in the current, it is exposed, a shock cannot be gotten from it without touching the third rail and one of the running rails.

The electric power machinery is contained in a spacious power house, which has been erected at Berlin, a few yards from the main line running from New Haven to Hartford.

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When the current is generated it goes underneath the floor over cables of solid copper, well insulated, to a dynamo.

From behind the switchboard four copper cables, each about one inch in diameter, run underground and are connected to the third rail in front of the power house.

The third rail has to be continuous in order that the electricity shall have a continuous passage; if it had breaks there would be no circuit, and if there is no circuit there is no electricity.

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ARCHITECTS IN CONFERENCE

Preliminary Plans Harmonize So Well that Few Changes Will Be Required.

SKETCHES OF EXPOSITION BUILDINGS

Design of Structures Along Renaissance Lines, Comparing Favorably with Buildings at Other Expositions.

The first conference of the architects of the main buildings of the Transmississippi Exposition, which was held Thursday, was a most pleasing surprise to those concerned.

The duties and powers of the Women's Board, the Department of Promotion was brought up by a letter from the secretary, Mrs. F. M. Ford.

The regular meeting of the Central Labor union was held last night at the Hotel Sherman.

The committee appointed to adjust the differences among brewers reported that it had arranged a meeting to be held today with the Brewers' association.

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LAIRD-SCHOBERS GALA DAY

Today, Besides 98c Bargains, Every Pair Ladies' \$5, \$6, \$7 Turans and Weils \$2.50.

OUR OWN MAKE \$2.50 A PAIR

Choice of Ladies' Fine Shoes, Whether \$5, \$6 or \$7, Any Style \$2.50. Cheapest Shoe We Make Sells for \$5 Everywhere.

At this world-beating shoe sale thousands of pairs of medium priced shoes have been virtually given away.

Today we will give you all, or any, of our ladies' finest turns and weils for \$2.50, not a pair but a pair every where in this country for \$5, \$6 and \$7, because we make no cheaper grades.

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At the matinee tomorrow, when the Paiges will open for eight nights at Boyd's, they have decided upon "Shadows of Life" as the bill.

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About those Shirts

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Which we put on sale Saturday morning in two lots at 50 cents and 75 cents each:—

They are no job lots. They are straight, regular goods. They are not old chestnuts revived. They are the very latest styles. They are perfect in every way. They are cut full length and full size. They are not damaged by fire, water or smoke. We will exchange them if they don't suit.

We will sell only three to each buyer and your money is returnable on demand.

For the rest look in our corner show window—where some of the shirts are displayed. A sale like this has never occurred in Omaha before and in all likelihood never will again. Sale commences Saturday morning at eight o'clock.

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ONE CITIZEN WITH A KICK COMING. Says Omaha's Street Car Service is Behind the Times. OMAHA, May 21.—To the Editor of The Bee: We, the dear people and citizens of Omaha, living within the city limits, north of Ames and Cass streets, have been suffering for some time past from the change of location of the Transmississippi Exposition grounds from Miller park to the present place. We have built up hopes, expecting permanent improvements that would have given us good roads, street cars, lighting, etc., but, alas, they seem to be all gone for some time to come.

The writer is a commercial missionary traveling from the Atlantic to the Pacific twice a year, and quite observing as to the progress of the city, the people are disappointed through your paper, if consistent and agreeable.

Our street car system, in his opinion, as a city of about 150,000, is not up to the times. For instance, on the Twenty-fourth street line our company give transfers to passengers in America, compelling them to walk three long blocks, carrying bundles, packages and babies, in order to make connection at Ames avenue. It is a hard matter for the residents to understand why the cars stop three blocks away while they have all the poles set to take the wires.

As to the system of transfers, passengers are required to get off on the Twenty-fourth and Ames avenue and walk three long blocks to the Twenty-fourth street line. At the depot you must take a certain line to get transfers. Seeing this, many of us, as well as to home people, when they know it is one company that owns all the lines.

Such things do not occur only in one city, but they occur in many cities. For instance, Kansas City, Denver, Salt Lake, Minneapolis and St. Paul. In fact, we are in a matter for us to raise the question of street car service and system of transfers, all of which can be shown by personal visits to places named.

It is to be hoped that Wm. Gentlemen, at 1911 1/2th and Cass will soil Eggs on low price, the position as he does now—5 cents a dozen. He is headquarter for "Country Butter, Berries and all kinds of Vegetables."

Teeth extracted without the slightest pain. Teeth cleaned, 25c. Fulling, 50c. Gold teeth, \$7.50. Pure Gold, \$1.49. Teeth filled, \$1.00. Parodontia, \$5.00. Painless Crown, \$5.00. Extracting, 50c. Bridging, \$5.00 per tooth.

BAILEY The Dentist, 34 West Union St. Thirteen Years Experience.

The Treatment That Cures. Catarrh and all ailments that break down the health of men and women. Electricity in all forms—Consultation free at office or by letter.

SHEPARD MEDICAL INSTITUTE, 311, 312 and 313 N. Y. Life Bldg. OMAHA.

DUFFY'S PURE MALT WHISKEY. All Druggists.

SK (Sparkling Kolofra) The Drink That Quenches Thirst.

DRINKENNESS. It is given without the knowledge of the patient in coffee, tea or articles of food, in a moderate dose of an alcoholic drink.

There are 4,500,000 goats in Spain. It is estimated that since he came to the throne Emperor William has killed 25,372 head of game.

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AWARDED Highest Honors—World's Fair. DR. CREAM. A pure Grape Cream of Tartar Powder. Free from Ammonia, Alum or any other adulterant. 40 Years the Standard.

Stanship Tickets. I am agent for all first-class transatlantic lines. I sell tickets to and from all points in Europe. No one can furnish you such tickets cheaper than I can.

A Quick Move. Between Omaha and Chicago on the Sping train of the Northwestern Line at 4:45 p. m. and 6:30 p. m. daily. Each arriving at Chicago in time for the famous dinner at the Hotel Sherman.

Rock Island Route. City ticket and freight office, 1323 Farnam street.

Notice to the Public. On and after May 1st, the city ticket and freight office of the Rock Island Route will be located at 1323 Farnam street, southeast corner of Fourteenth street.

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