THE OMAHA SUNDAY BEE: OCTOBER 14, 1906.

Events in Field of Electricity

Advance of Electric Locomotive, HE substitution of electric for on the New York Central railable owing to the vast amount of track Syracuse two years ago.

nomical and in every way more desirable been exceeded by 40 per cent. power of electricity.

A feature of the trial was the case with which the locomotive pulled the cars. There were eight of the heavy Pullmans used for apparent.

motor to the axle.

This economy of power makes possible last few years has created"a new employthe high speed and its maintenance immediately after starting. It is never necesstandstill. The motorman controls a subsidiary current which puts the motor trol is practically automatic.

The total normal horse-power of the electric rolling stock, when the initial zone is in working order early in November will reach 129,400, and the total weight of the cars and locomotives will be 12,680 tons. There will be twenty-three new passenger three grade crossings will be eliminated, twenty-two miles of territory will be in-

pension of business whatever.

competition, the National Telephone company's system having considerably more steam power for terminal work than double the number of telephone stations served by the municipal system. For road is nearing realization. Trial some time past the latter system has been trips of electric locomotives on at a standstill, it says, and lately its custhe New York City terminal were made a tomers have begun to decrease in number. few days ago, with satisfactory results. A comparison of the actual results of the The conditions of the test were not favor- Brighton municipal system with the plans and estimates on which the business was reconstruction going on at that terminal. founded show that where the estimate pro-Novertheless the demonstration confirmed vided for 2,000 subscribers and public station the opinions formed at the first trial at lines at a total cost, allowing for 600 partly completed spare lines, of \$213,400, the actual

Experienced operating officials and engl- capital expenditure was, as noted above, neers regard this test as the initial stop in, and the system actually contained 514 what will be a revolution in our methods subscribers and public lines. According to of travel and of transporting the country's the estimate the present system, including commerce. In their ominion steam is al- all the extension stations and other exready passing as the motive power for tras and allowing for 000 "spares," should ratiroads, and it soon must be superseded have been built for about \$185,000. In proby the newer, more energetic, more eco- portion to business done the estimate has

Advertising by Electricity

New York is said to be the most brilliantly illuminated city in the world. Figlong distance travel attached to the train. uses recently compiled show that it con-The engine worked as smoothly as if only sumes four times the amount of electric pulling its own weight. There was no noise current used by the greater city of London, whatever. A passenger would scarcely and it far outdistances all other cities of know that the train was in motion but for Europe of America. While this is due in the flitting panorama of rall fences and tel. a large part to the generous use of elecegraph poles. The running was as smooth tricity for street and building illumination. as cotting through fresh cheepe with a an important factor also is the tremendous knife, until the train came to a "crossover" growth in the use of the current to talk south of Fifty-sixth street, where there business at night. The number of signs was 1,000 feet of "dead" or unelectrified rail. that make the night sky of New York Over this gap the train had to skate by its luminous has increased fully 60 per cent. own momentum, and the loss of traction according to the city authorities, within was immediately perceptible. The instant the last year. Over the twenty-two square the electric contact was resumed the stend- miles in Manhattan Island there are some incas of the motion and its eveness became 3,000 electric signs of all sizes and da-

scriptions. To make up their glaring talk Locomotive No. 3105, like, the other and to voice with illumination signs and thirty-four which are to take the place windows that formerly lay dark and dead. of the engine driven by steam, has no less than 100,000 lights are set sparkling double the horse-power of the largest loco- each night all over the island. To supply motive on the road today. Each of the with current the signs of New York the thirty-five has been tested up to eighty- generating plant of a good sized town would nine miles an hour, and the movement has be continuously required. To make up the been so steady and even that a brimming largest illuminated sign in the world only giass of water could be carried in the cab 1,200 electric lamps of four candlepower without spilling a drop. So perfect is the each are used. When it is considered that control that a train running a mile a min- the initial letter of this sign is sixty feet ute can be stopped a little more than its high and a corresponding width, while the own length and get under full speed in the other letters stand fully fifty feet high. same space. It can attain the maximum one marvels at the power that enables a speed in less than one-third the time of little over 100 tiny bulbs to outline a letter the steam locomotive. There is no gear- several hundred feet in alt and visible a ing as in the ordinary electric car. The score of miles away. The maintenance of power is transmitted directly from the the great array of electric signs that have sprung up all over New York within the

ment-that of the "signjack." These men, trained to climb and swing at startling elesary to reverse to bring the train to a vations, man the cornices of the metropolitan skyscraper, in bad winds and bad weather, and pursue the constant work of current into operation, so that the con- replacing the electric bulbs that are growing dim.

Charm of Golden Rod

In the night, as the aging but still splendid moon sailed among the lightly floating cloudlets, turning their white stations in the entire electric sone: thirty- simplicity to luxurious violaceous hues, which vanished from one cloud to another even as one looked-when the north creased from two to four tracks, sixteen wind that had been chilling earth met miles from three to four tracks and the and retreated slowly before the returning reduction in the degrees of curvature by southwest-when warnings of rain, in improvements will be 345 degrees-nearly gray fields of thin vapor, spread over the a full circle-an achievement which rall- eastern sky-when an ominous spirit road engineers regard as remarkable in seemed to possess the heavens and lay view of the fact that the regular traffic claim to earth and care naught for manof the road has suffered only a slight in- it was then that one wandered as by a terference and that there has been no sus- / compelling urgs abroad in the fields, to find there the deepening charm of fall, The work of electric installation has always most mysterious in night. For been stupendous. Three years have been then it is that subtler modes of the phyconsumed in it. In that time, in the work sical senses are stimulated; and while

of initial excavation, 5,000,000 cubic yards imagination soars the further, the less stone and earth have been removed, that sight apprehends, and leads the mind An average force of 8,000 men was kept beyond the clouds and moon and stars constantly at work in the zone of electri- with a rapt freedom-such other effects



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THIS WEEK.

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Drissing 1075

quar-

Tables



stations have been built and the road has been shortened nearly a mile by improvements in alignment. Eight power plants, said to be the most perfectly equipped in the country, will be used. The electric engines which will haul the new steel trains will have speed ranging from forty to eighty miles an hour.

The portion of the road which has now been equipped with electric power is known by the officials as the "initial zone." This includes the Park avenue tune nel, and much better handling of traffic is expected by the doing away of much away with,

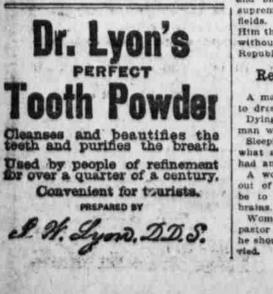
Wakefield to the Grand Central station. All in-coming and out-going trains will The of the road by the cut at Marble Hill, where nearly a mile has been saved.

nounced is that the old system of having the trains run on the left track as far as Spuyten Duyvil has been ended. The change was made a few days ago, and the trains now run on the right track as far as Mott Haven. Within a month, it Amen! s expected, the signals will be fixed that trains will not have to cross over at all to the left tracks and will run direct to the station on the usual right track.

While the New York Central will oprate its trains by electricity in November, and do away with smoke and dust, it will be handicapped for about six months, as the electrifying of the New York, New Haven & Hartford's system is not completed, and will not be for about that

Manicipal Telephones.

uickly followed the lead of Glasgow, says the Electrical Review, in selling to the instmistor general the telephone system satablished a few years ago. The total agreed on is \$245,000. The postmaster genaral originally offered \$216,000, that offer being based on an expert valuation of the plant. The postmaster general, however, was induced to raise his offer, which lets off the Brighton corporation with a relatively small has in actual cash. Like that Glasgow, the Electrical Review says. the corporation of Brighton .has lost the



fication. Thirty-three grade crossings are as the intensifying of hearing and have been abolished, six new passenger, smell, so that many a sound or scent unrecognized by day make theraselves nocturnally vivid; and one never knows how much touch tells him until he treads field paths and forest trails by night. Touch is indeed the one sense common to all. the other senses. Something it is that touches responsive nerves that makes sight and hearing and smelling and tasting-all may be resolved into this one. The one brain receives and records all by the mystery of touch.

So in the night woods and fields one comes into the characterizing spell of autumn. It is then found to be resolved into atmosphere. The air, laden with all switching. When the electric trains are that nature is doing in preparation for used all switching engines will be done the winter slests, bears the epitome of the year; and the marvel of scent makes

The plans, which will go into effect the the revelation thereof. Now it is that fore part of November, allow for the use one walks through wood roads and feels of electric locomotives on all trains of the the narrow currents of warmth stream New York Central from Highbridge and out from secret hoards of earth heat: now the rich odors of wild grayes over the bowery tangle of bushes exhilarates stop at these points to change engines. the night wanderer; now in the open the change will be made in two min- fragrances of the free flowers of the fields utes. This loss of time is more than in multitudinous wealth fill the quick olmade up, it is said, by the shortening factory nerves and convey to the brain the sumptuous glory of this culminating season of life. All the earth is now alive Another feature which the officials an- to feed the soul of men with an indefinable sense of the divinity that it in all

its fruits and flowers expresses, and is meant to express. If there be a word of the season, it is abounding, ongoing life, the glory of God, world without end.

And this is what is so fortunately set forth in rhythmic beauty by Carruth's profoundly spiritual stanza:

A hase on the far horizon, An infinite tender sky, The ripe, rich tint of the cornfields, And the wild geese sailing high: And all ever upland and lowland The charm of the golden-rod. Some of us call it Autumn, And others call it God. The charm of the golden rod! That is

it-yet this noble and splendid flower, so profusely spent in our part of earth, but

but the conspicuous standard-oes rer The Brighton (England) municipality has of the glory of God in autumn. The poet nuckly followed the lead of Glasgow, suys identifies them because they are one. You You cannot tap a single root of herb or tree of the earth that does not say the same thing. If in the night there be that sincapital expenditure to the end of March guiar pervasion and penetration of the last was 3263,590, and the purchase price spell of autumn, yet in the sunlight the magnificence is present in the overpowering magic of sight. Our eyes receive, as an inner sight responds, the glory of the one spirit of life. Rich is the feast of color and power to which we answer; the purple and lavender and white asters, the snake-heads in the marshes, the superb bronzes and browns of ripening furns, and the intense tones of sumachs and cornels and blackberry vines, all echo the royal

supremacy of the master bloom of the fields. It is one great tone of worship of Him that hath been, is, and shall be, world without end, Ameni-Springfield (Mass.) Republican.

Reflections of a Bachelor

A man has to be awful rich to be able o dress well when his wife does. Dying must seem absolutely painless to a

ann who has run for an office. Sleeping cars are fine places to find out what a sweet thing sleep could be if you had any chance to get it.

A woman gets a good deal of comfort out of thinking how dangerous it would be to her children's morals if they had

Women are pretty sure to like their new he should marry because he is already mar- stopping one evening to water his horse came home of his own accord.



Pedestal Table

-ft. Extension

14

anteed seat and back, covered in good quality imita-tion leather. You can see at a glance that this chair is easily a \$9 value. Special at Hartman's

known all over the temperate zone north.

Tersely Some

> schools of the city the other day Ser and the second seco teacher. The young woman who had charge of the class had become exasperated to the

last degree by the mischievous tricks of some of the boys. She was at the point where hysterics were to be safely predicted if some relief did not come. She looked up from her book and saw one of the largest girls in the class

crouched in an ungainly attitude over her desk. Her feet were stretched over into the sisle, and, worst of all, she was chewing gum. It was the last straw. The teacher sprang to her feet and snapped out

"Maria, sit up. Take that gum out of your mouth and put your feet in." The shout of laughter from the pupils cleared the atmosphere, and the rest of the seasion was one of the pleasantest of the term.-Philadelphia Press.

-Their Bible Names.

before a little cabin, outside of which

doing all right, and set out on his rounds put the resolution in force. Told Tales again. Nothing, as it happened, was said about the forgotten telegram. "And at the end of the week this tele- been too constant a frequenter of the club, and very unpopular.

APD

CABPETS

SPECIAL

ALES THIS

WEEK.

BIG SAVING

HARTMAN

Special 110

Chair, at --

Exactly like cut. Sad-

\$50 Worth

speak to de gen'leman!"

Philadelphian inquired their names.

Apostie Paul, an' de uddah's called Epis-

A Harrowing Telegram.

\$5 Cash, \$4 a Month

dren?'

tie Peter."

G OOD humor was restored to a antics of a couple of pickaninnies playing an exclamation of horror-you know she a deal of silent wretchedness. My dear, mured with a perplexed air, couldn't read-she hurried to the office, I am sorry. I am going to function of the problement of the pr by an impatient speech of the pair of boys you've got there. Your chil- message. When he read the message that night at his hotel he was terrified. He "Laws a massy! Mah chillun? 'Deed.

was aghast. What he read was this: dem's mah daughteh's chilluns. Come " 'Another addition, a son; your wife hyah, you boys," she called, sharply, "an' very ill; return at once."

As the boys obeyed the summons the He was like a man in a trance. "Another?" he kept muttering in a 'Clah to goodness, sah, dem chilluns is

right smaht named!" said the old woman. "Then he would read again the ominous Yee see, mah daughteh done got 'ligion message, the strange and horrible mealong ago, an' named dese hyah boys right sage. out de Bible, sah. Dis hyah one's named

"On getting home he was so relieved

you have made me! Uncle Jim wants me to go to the theater with him tonight, "He took the midnight train for home, and you can stay home and mind the baby." "-New York Tribune.

face lighted with joy.

"That changes the question altogether." "The doctor gave the message to the New Year's day that he was giving too joint statchood bill. "That fact puts a new ook, who couldn't read. She forgot to many of his evenings to the club. Ac- light on the matter."

He was talking about a telegram he had Jersey City."-New York Times.

"It is like the young woman's experience. Try The Bee Want Ads for Results -----

"'Ah,' interrupted the first matron, 'but it was a masked ball." -- New York Tribune. A Ready Answer. An Ifishman once met an Englishman The passenger agent of a Jersey road who had an artificial leg. Being of a says that he chanced to be in the ticket sympathetic nature. Pat inquired the cause office at Trenton one day, when a woman

"'Oh, Harold,' she cried, 'how happy dance.'

\$10 Cash, \$8 a Month

Proportionately

Larger Amounts

covered that there was some Irish blood she brought with her. in my body and that it had settled in this leg, so I had it out off." "'Tis a pity it asked the ticket seller. didn't settle in your head," came the quick

"The young woman's eyes shone. Her

Danced Every Dance.

"I know a young man who decided on said Senator Foraker in a discussion of the were they born?"

"was born in Elizabeth and the other in

Twins. of the loss of the limb, whereupon the Eng- came into the station for the purpose of lishman said: "A short time ago I dis- buying half fare tickets for two children

"'Amy,' he said to his wife at dinner, were discussing a certain young woman,

'I know that since our marriage I have and the first said that she was very homely

"'So she did.'

"'Well, then---'

at the ball," he said. "A couple of matrons

"''' 'Can that be?' the second matron mur-

"'Why, yes.' the first insisted. 'She is a

"But at last week's ball," said the

other, 'I understood she danced every

A11

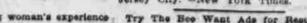
"How old are your children, madam?"

"Only 6, sir."

'Both of them?" "Yes, sir; they're twins."

The agent smiled. Then, after eyeing the youngsters with an expression of incredulity he observed: "Pretty lads. Where

"This one," replied the unwary mother,



-6retort .- Troy Times.

he would go to the club only twice a received.

that he decided not to fire the cook after all.' Reform's Thorny Path.

"There was a drummer." said the night operator, "whose wife presented him with "Reforms are always difficult to start

son while he was out drumming up trade. The doctor got the man's address, with," said Governor Folk of Missouri. and, since his wife was doing none too "New Year's resolutions are no exception to the rule.

well, wrote out a message giving him the news and telling him to return.

Senator Quay used to tell about riding cook, who couldn't read. She forgot to many of his evenings to the club. pastor if they can't disagree as to whom through the mountains of Tennessee and send it, and the next day the drummer cordingly he resolved that throughout 1995 "He stayed a day or two, found his wife month. And that night he proceeded to

dazed voice. 'Impossible!' when everything was explained to him