THE OMAHA DAILY BEE: TUESDAY OCTOBER 18, 1881

TAKE THE

ELECTRICITY. The Marvelons Electrical Exhibition at Paris

Correspondence of the Chicago Tribune

LONDON, Eng, Sept. 29. — Franklin, whon in London, lived on Craven street, in a house opposite my win-dows. During his early boyhood, in 1716, the city of London enacted that overy one of its householders should, between the hours of 6 and 11 in the events have out a light before his evening, hang out a light before his dwelling. Now the thoroughfares of light," which was made by the com-mittee dispatched to Paris two years ago by the conservative London gas companies, which had for threequarters of a century enjoyed a most

valuable monopoly. In the lovely Vale of Chamouny, last summer, I witnessed a most sublime display of zigzag lightning around the snow-clad peaks of Mt. Blanc. At

THE RECOTRICAL EXHIBITION IN PARIS I saw this same terrible force of From the outset the studious and methodical has excelled in this new

jection of the wants of humanity. The science, as is illustrated by the historienthusiastic French, charmed by the cal apparatus of Gauss, Weber, Stemexcellencies of electricity, have made heil, and Ohns. Quite naturally they her empress in republican Paris. have used electricity more as applied However postical or fairy-like the to warfare and teaching. Prominently propresies of hopeful inventors may have seemed, all they have promised concerning electricity, and more, will be realized in the immediate futhre. Already electricity carries voice and the railway system of Alsace and Lorthought around the globe, warns us of raine. coming fires, insures safe railway-travel, lights our homes and streets, hibits of Austria, especially that made and blows up our enemy's ships. As by the State Raiiway Company. the result of patient years of toil in LEVEL CROSSING ARE MADE PERFECTLY

laboratories throughout the civilized world, these inventions and discove-ries, gathered together in a focus, will enable the scientists and inventors to

THE PALAIS DE L'INDUSTRIE.

On the roof of the building are placed two Maxim arc' lights with reflectors, which make the approach through the silvered trees of the Champs Elysees light as day. The Palais is 660 feet long and 160 feet wide. It has a high, arched glass roof, and galleries divided into thirty train. or more rooms. The main entrances. staircases, and corridors are brighly lighted with arc lamps, made by Sie-mens, Werdomann & Fyfe, The grand nave is brilliantly illuminated with scores of electric lights pendent from every available point, which are searching as the meridian sun. Yet the general effect is very pleasing. Forty familiar Brush lights, driven by a single engine, lighted up one end of the building. In the centre of the great hall stands a tall lighthouse, provided with a revolving electric light, Fresnel's lenses, and red, blue, green, purple, and orange glasses, which shad everywhere processional patches of colored light. At the base more important than all other elecof the lighthouse is an artificial pond, surrounded by turf and flowers, in which M. Trouve gayly rides in his electrical boat. Its screw is driven by for the storage of force. His accua small-electro-motor. machines patterned by Grammes, by felt-the whole being immersed Siemens, Brush, and others. Through- in a weak solution of sulphuric acid. hum of the machines, the ringing of weighing about fifty pounds. When electrical bells and gongs, the rustle attached to a dynamo-electric machine, and chatter of thousands of visitors, run by steam, gas, wind, or water, and the intense light and sparkle of electricity make the whole scene one of SINGULAR ENCITEMENT AND BEAUTY. The exhibits of the French occupy one-half of the hall, those of foreign nations the other half-graceful fes-toons of the tri-color and other bright flags designating the national sections. Our hearts first turned to the starsand stripes, where we found a neat ex-hibit of delicate mechanism, in charge of a pleasant gentleman, who seized upon the position to acquire a fluency in the French language for further use in a western college. Great Britain and Germany occupy about equal extent; then, in order of siza of exhibit, come Belgium, the seeks, and that is what we have to size of exhibit, come Belgium, the United States, Austria, Russia, Sweden and Norway, Italy, Spain, Switzerland, Holland, and Donmark. Lacquered jars for cells and insulators are exhibited by Japan. The objects exhibited are divided into many classes; but the public seem chiefly interested in telegraphy, electric light and the application of electricity as a motor power. The exhibit of the three firms of Siemens in England, Germany, and France is greater than that of great energy in this new field of discovery is most noticeable. They show electromotor of all sizes, some very small, apparatus for lights; for telegraph-ing, whether aorial, subterranean, or submarine; also for cable-laying. A fine collection of sections of cables illustrates abbinarine; also for cable-laying: A fine collection of sections of cables illustrates THE OREAT IMPROVEMENTS MADE over the experimental Anglo-French cable laid in 1850. A specimen of the latter, incruated with shells, after twenty-five years' submorsion, with the core still perfect, picked up by s fishing-boat, is of peculiar interest. Here is a Murhead's cable, which first indication and steel telegraph poles. The method of working the lock and block system on railways is clearly shown. Of interest are Spottiswood's great induction-coils, Bright's first atter, Sir William Thompson's unique electrometers and nautical appliances, and the historical collections. What the acorn is to to the oak is a homely looking pile and crown of cups that Volta originally made, and which are almost unnoticed under a glass case. A brougham has fitted to it a dial A brougham has fitted to if a dial which enables its occupant to signal the coachman as follows: "Straight on; right; left; go fast; slow; stop; get down; home." The distance run is also recorded. Two railway carriages have Achard's electrical brakes at-tached. The French exhibit comprehensively electrical instruments, and the use of

electricity as applied in their several arrogant, able, presuming, peacocky electricity as applied in their several governmental departments Field telegraphy and night-signaling, tor-pedo motors and novel instruments— one by which six operators send print-el messages over a single wire—all in-terest large groups of visitors. The amount or steam used by the locomo-tive and traction power is treated by a fine dynamometer placed in a full size fine dynamometer placed in a full-size car. I was much interested by paign while Conkling was making but

THE ARDUOUS EXPERIMANTS

one - opposed the motion, but just be-fore it was put Gen. Garfield came to the front and made his famous plea made by M. Felix, of Semaire, as apthis mighty metropolis and the bridges over the Thames are brilliantly illu-minated with electricity, which the great philespher dremfrom the clouds. This has happened in the face of the inteuded uncomplimentary report, "Neither gas nor sunlight, but moon-light," which was made by the com-mittee dispatched to Paris two years of Angiers, and supplies Rochelle with of Angiers, and supplies Rochelle with water. By it elevators and forging-hammers are worked and hauling done; and the thunderbolt will doubtless tunnel the chalk under the sea her tunnel the chalk under the sea be-tween Calais and Dover. Small mo-noticed the affair, we were curious tors noiselessly drive machines for about the contents of the card, and sewing, embroidery, and fret-work. On every hand are seen great varieties of telephones, microphones, photo-phones, and electric clocks. circumstances. He found the card. From the outset the studious and

Upon it was the single sentence, with no address or signature; "Is the dark horse putting himself

forward?" The occurrance made a marked impression upon us at the time, and since then we have narrated it upon several occasions. We tell the story again only because it is being pro sented in a distorted light by several contemporaries.

> Down the Missouri-Chicago Tribune,

We were once in Sioux City. was our first visit to the west. By

a most unlucky chance a steamboat hove in sight; she was bound for Omaha; no steamboat had come down stream for many weeks, and it was arare

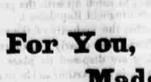
carried which seems likely to revolu-tionize the world. For five cents a handsome Siemens electrical transcar takes you at a speed of ten miles per hour from the Place de la Concorde to as a barrier across the carriage way. ever, we began to get into difficulties; By another device the conductor noti- finally we stuck hard and fast on a fies the passengers; by the ringing of mountain of a mud bank. Then came an electric bell, of the near approach endless puffings, backings' ringing of of a station, and its name appears in every car. Thus a traveler can sleep with confidence that the bell will arouse him in time to leave the phasized oaths, for which the United

States language is so eminently adapt-ed. We tried to lift the boat with Spain, like Russia and Italy, easily perm its herself to be outrun by other stilts; these were two immense poles nations in even the science of elec-tricity. The Spanish pavilion is eseight inches in diameter; they were stuck is the mud one at each bow; pulpecially rich in the flags of the twelve leys and ropes were attached to them old Kingdoms which were united un- and the steam-windlass set in motion old Kingdoms which were united un-der the scepter of Ferdinand and Isa-bella. Apparatus 100 years old for frictional electricity and manuarity for creaking beat was lifted fully three bella. Apparatus 100 years old for frictional electricity, and manuscripts from the Dutch and Italian libraries, no use however, for the higher the show that other savants preceded bow was lefted out of the water, the Franklin and Faraday. Electricity as applied to aerial navigation is demon-strated by Mr. Tissandier, who pro-pels an electrical ballon between the deeper would the stern sink in the mud. Other experiments were tried, but still we made no headway. When at last we got the stern afloat galleries. The little white car, with the bow got stuck, and when after imits tiny tail and screw, driven by a mense labor and infinit swearing, we | small motor, soars not unlike a dove, got both stem and stern free, she but lacks the dove's adaptability. But stuck in the mud in the middle. Then we spent unnumbered hours backing, and turning, aud running our bow into the bank, or tangling our stern in THE FAURE BLECTRIC small electro-motor. One side of the building is occupied which was invented twenty years ago, it, and then we ran on a snag or sawwith boilers and steam and gas en-gines working swiftly a total of 2,000 It is simply made-a single cell con-horse power, which drive in front a long battalion of dynamo-electrical with red oxide of lead, and separated by falt-the whole heing imported the botton ont of the unfortunate boat. Then we had to commence caulking. At last, after six days out the hall are hundreds of miles of A dozen or more plates are used in a conducting wire. The low musical single battery of rectangular shape, hove in sight, and what a blessed sight motive power is concentrated in the battery, which can be sold like any other commodity, transported to and used at any desirable point. By such accumulators we shall be able to run Hannibal swore everlasting ennity to Rome, so we vowed eternal antipathy to the "Big Muddy," and have kept our eath. T. O. Lignid Gold. Dan'l Plank, of Brooklyn, Tioga county, mi es for a bottle of THOMAS' ECLECTURC OIL, which effected the wonderful cure of a crooked limb in six applications; it moved a state of Savarry and the set of Savary and the set of Savary accumulators we shall be and to run sewing machines, tricycles, vehicles, omnibuses, horse cars, and doubtless the steam railway, ships, and great manufacturing establishments. Thus Dan'l Plank, of Brooklyn, Tioga county, Pa., describes it thus: "I rode thirty mi'es for a bottle of THOMAS' ECLECTUC OLL, which effected the wonderful cure of a crooked limb in six applications; it proved worth more than gold to me." I7eodl w the wasted forces of Niagara, the cataracts of the Swiss Alps, and the tor-nado with millions of horse power, can be utilized. Eventually, every-where, dealers in electrical force can sell." No wonder the illustrious sci-entist, Sir William Thompson, said concerning Faure's discovery, "It is the realization of the most ardently and unceasingly felt scientific aspira-tion of my life." CHARLES E. BOLTON.



THE OLD DATES THE REAL TO ESDAY OF THERE IS AND

As yellow as a lemon. t that jaun dice has set in. d liver has turned like the The poor,



Whose complexion betrays some humiliating imperfec-tion, whose mirror tells you that you are Tanned, Sallow or have Eruptions, Redness, Roughness or unwholesome

ing tints, the artificiality of which no observer can detect, and which soon becomes per-manent if the Maguolia Balm is judiciously used.



CHICAGO & NORTH-WESTERN RAILW THE CHICAGO & NORTH WESTERN RAILWAY. Over all of its principal lines, runs each way daily from two to four or more Fast Express Trains. It is the only road west of Chicago that uses the Trains. It is the only road west of Chicago that uses the The Imperial Palace Dining Cars. It is the only road that runs Fullman Sleeping Cars North or Northwest of Chicago. It bas-nearly 3,000 MILES OF ROAD. It forms the following Trank Lines: "Conacti Bauts, Denver & California Line," "Wilnona, Minnesota & Contral Dakyta Line, "Sloux City, Nor, Nobraska & Yankton Line," "Chicago, St. Paul and Minneapolis Line, "Nor, Illinois, Preeport & Dubuque Line," "Milwankee, Green Bay & Lake Superior Line, "Nor, Illinois, Preeport & Dubuque Line," "Milwankee, Green Bay & Lake Superior Line, "Ketts over this road are sold by all Coupon Ticket Agents in the United States and Canadas. Canadas. Remember to ask for Tickets via this road, be sure they read over it, and take none other. BARVIN BUGHITT, Gen'i Manager, Chicago. .. W. II. STENNETT, Gen'i Pass. Agent, Chicago. HARRY P. DUEL, Ticket Agent C. & N. W. Railway, 14th and Pasnham streets. D. E. KIMBALL, Assistant Ticket Agent C. & N. W. Railway, 14th and Pasnham streets J. BELL, Ticket Agent C. & N. W. Railway, U. P. R. R. Depos. BAMES T. CLARK General Agent. Announcement! A large and varled stock of Sta-



TH

AMERICAN ORGAN CO.'S ORGAN

THIS NEW AND CORRECT MAP

Prove. seyond any reasonable question that the

polka dots, imported for this purpose. The intention is to have these vests

Message from Nenator Conkling to Gen. Garfield

Grand Rapids (Mich.) Times

bert coat. They are high cut, double breasted in style, and intended to be From The Eagle of yesterday we ex-

cerpt the following: "The Dayton (Ohio) Journal men-tions a little incident in which seems completed by a neck scarf of exactly the same shade as the vest. The coat to show that Senator Conkling forery so as to disclose about four inches of the vest. The effect is so unlike

The best salve in the world for euts, bruises, sores, ulcers, salt rheum, fever sores, tetter, chapped hands, chillblains, corns and all kinds of skin eruptions. This salve is guartion. I am for Sherman. J. A. GARFIELD.

J. A. GARFIELD. This was pending the great struggle, and just before the mighty tornado which carried Garfield into the presianteed to give perfect satisfaction in

floating brush heaps. We turned 1 72 caulking. At last, after six days and nights of such pleasant experiand nights of such pleasant experi-ences, the church-steeples of Omaha hove in sight, and what a blessed sight they were ! We staggered up to the hotel, went to bed and sledt for forty-eight hours without waking, grateful cases of the stage of the st eight hours without waking, grateful to Providence for having rescued us to Providence for having rescued us that penetrates the Coulinent from the Missou from an awful death in the dirty wa- River to the Pacific Slope. The ters of the Missouri, and, as young Hannibal swore everlasting enmity to

17eod1w

for occasional wear with a black auit,

preferably with a high cut Prince Al-

ilfe. It h

"Great Rock Island Route! EVERY LINE OF ROAD

Axle Grease **NEVER CUMS!**

completed by a Leck scarf of exactly the same shade as the vest. The coat is turned back with masculine coquet-kinds of soreo on Horses and Block, as well as on

Public Markets. Ordince No. 447 passed March 8th, 1881, pre-scribes that, "that portion of Chicage streat, be-tween 15th and 16th streets, and that portion of Fourteenth street, between Howard and Harney streets, shall be and the same are hereby design-ated and set apart as places where shall be lossi-ed and held the public hay markets of the city of Omaha." J. J. L. C. JEWETT, ocl5d6 City Clerk. every case or money refunded. Price, 25c per box. For sale by IsH & McMAHON, Omaha.

'2 Farnham St. Omaha N.

ATTORNEYS AT LAW C. F. Manderson, DA VID CITY, NEB. ATTORNEY - AT - LAW. Special attention giasn to collections in Butle

SIBBETT & FULLER.

SASH, DOORS, BLINDS, MOLDINGS, LIME, CEMENT PLASTER, ETC. STRTATE AGEN: FOR MILWAUKEE CEMENT,COMPANY.

wide. Also lot 5, north side of Farnham street, 6 fee wide. J. J. L. C. JEWEIT, ocks.ot City Clerk.

