The First Electrical Show

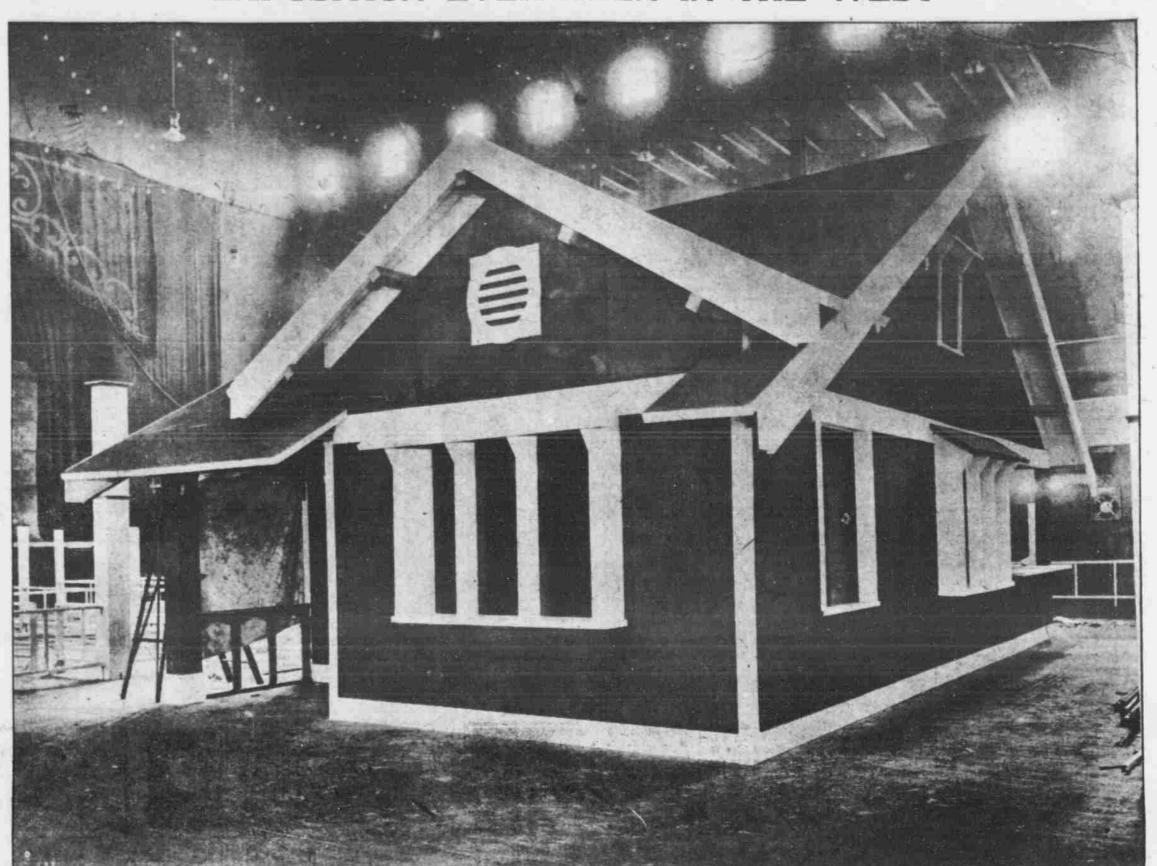
THE PEOPLE OF OMAHA TO WITNESS THE MOST MODERN AND BEAUTIFUL

EXPOSITION EVER SEEN IN THE WEST

Electricity is rapidly becoming the universal servant of the human race, performing more and more of the tasks that were formerly performed by other methods. Electricity was first employed to convey telegraph messages, then came the electric light and the telephone. In rapid succession came the motor, the phonograph, the automobile, and various kinds of mechanical devices which were formerly propelled by steam. It is safe to say that we are only in the A. B. C. of the electrical world as yet and fifty years from now we will be surrounded by electrical conveniences that are even at present not dreamed of.

The electrical show which opens in the Auditorium next Monday evening, May 4th, will vividly illustrate the wonderful strides that are being made by inventors of electrical appliances. The people of Omaha and vicinity are fortunate in having brought right to their home town the most modern and beautiful exposition ever given in the west. The lighting scheme alone will be worth going miles to see, while the booths will be filled with all sorts of electrical devices and machinery. Competent attendants will be in charge of each booth capable of demonstrating to the spectators the workings of the exhibits on dis-

In the electrical cottage visitors to the show will see cooking, sewing, washing and ironing performed by electric power. The cottage will also have in operation every electrical device used in the home all the way from the bathroom to the parlor. Passing on around the show, spectators will behold the heavy machinery



exhibited in which electrical power performs the work of steam in drilling and hoisting. They will see many beautiful devices in decorative lighting for both exterior and interior; they will see the inside mechanism of the two great telephone systems now in operation in Omaha, They, will see adding machines and cash registers, and renovating machines all manipulated by the wonderful current we call electricity. They will see the different styles and designs in burglar and fire alarm bells; office fixtures, electroliers, street lamps, pocket lamps, hair driers and massage instruments and the wonderful X-ray which has enabled surgeons to perform operations that were impossible before the discovery of this marvelous light. In short this electrical show will be a liberal education, to the people who visit it, along the line of electrical improvements and inventions.

By the way of entertainment the Electrical Trades Association, under whose auspices the show is given, will furnish fine music-both instrumental and vocal-and vaudeville attractions. Dimick's Orchestra will play every afternoon and evening; in the evening the Elk's Quartette will sing and Professor Charles H. Keefer will render a few fine selections on the piano. The "Teddy Brothers" of Omaha will give an acrobatic performance every evening and Onetta, the electrical dancer from Chicago, will give her famous, fire dance every night at 9:30.

The show will open Monday evening at 7 o'clock and will be open thereafter from 2 to 5.30 and every evening from 7 to

AT THE AUDITORIUM. X DON'T FAIL TO ATTEND EARLY IN THE WEEK

Services Performed for Man Every Day Show Its Usefulness.

BUSY WIRES AND MOTORS IN CITY

All Manner of Things for Expediting Business of the World Are Achieved by the Application of the Current.

daily to equal the entire population of Omaha; and not contended with that, its office boys into private offices and then for recreation keeps telephone bells ringing twenty-four hours a day over the entire

And the amount of actual power which things is so small that with the elevators. a direct lift required of the invisible force. taken out, all the things electricty does in business life of Omaha would require only the lights on iwenty-four-hour circuits could not get much headway.

electric lights for each home. Electric Alarms Come Eurly.

One of the first uses in business to which electricity were put after the Morse telegraph instruments were invented, was the electric burgiar alarm, which is simply a telegraph instrument, the alarm always and still wants to get out of bed in the kindly to turn on more steam without per- basement and the drills quickly penetrate being given by breaking or connecting a circuit just as in telegraphy. From the where the contact of two little pieces of has a score. Promptly at 5 o'clock by the tricity is put and which segures comfort ing thrown from the track. A little motor cut electric button and summoning the copper when the sash was raised, set a regulator over her desk, she connects the in the summer is the operation of the comes out in a work car, is attached to porter, his safety during the journey havbell to ringing, the great and complex sysuntil it is almost impossible for a business starts a score of patrons to saying unnoly anything. It stands out in marked con- quickly cuts down the steel. tem of burgiar alarms has been perfected bouse to feel at all safe without the electrical protection and the watchman report

Around the vaults of the banks there is a way that they cannot be kept from peris carefully "weighed" by a delicate inof one of the wires will make the "load" when he answered. All others growl out a lighter and the machine registers the "W-c-l-l." scene. The electrical protection is said to perhaps the greatest conveniences is the be perfect by the bankers. They are satisfied that no one days tamper with their vaults, and if one of the officers is in the

ELECTRICITY IN BUSINESS dentally, he is immediately confronted by is in private within a few minutes after electric fan revolving something like 2,000 MAN'S NEEDS WELL SERVED

chinery of the factories, all the elevators, points in the building so often that fire

street are lamp in front of every home in trical "tab" on the police. The telephone patched in time for the Corn Show. Omaha, Council Bluffs, South Omaha, Beb- company notifies the headquarters if an lu most business houses there is also a son, and then furnish a number of ordinary officer fails to report or if he reports from system of private telephones which con- steel in place a workman no longer turns

things as they feel their whiskers grow trast to the old fans suspended from the to be called so early. The calling of patrone at 5 o'clock in the morning is a thanksuch a net work of wires, arranged in such less job which the telephone company has undertaken, but which is a great convenforming their duty. The electricity in them lence. There is a record at one central office where a subscriber was called early atrument at "headquarters." The breaking at his request and he thanked the operator

trouble. A watchman is sent at once, and Never has the telephone been put to so if he does not return, an emergency call is many uses in the business world as within sout to the police station and a wagon the past three years. Some entire lines of load of officers will be quickly on the railroad are now operated by telephone, but

Uses of the Telephone.

Private Watchmen Watched.

to a watchman and he falls to report at the berth or make appointments with friends carried about with less trouble than an stations in the building, trouble ensues, in all parts of the city or in other hotels, old kerosene lamp. and there will soon be an officer knocking. The telephone at the modern hotels has at the door of the factory or entering with simply made it impossible for anyone to a pass key and waking the thoughtless be uncomfortable or be inconvenienced.

Telephone as an Alarm Clock. morning, he may have a telephone girl call sonal danger, him. Ask information to put your number in the 5 o'clock column, where she probably

Arriving in Omaha and going to

list of all who are entitled to enter the may call up a friend in his room in Chi- ever adapted to these purposes. No belibanking rooms after hours or on holidays. cago: then, while dressing, he can order a from a steam engine would whirl a fan

of every floor, there are "stations." In change" is a marvel of business economy. Electricity guards \$15,000,000 in cash in some stores it is necessary for a watchman One of the first houses to install the private Omaha banks; more than \$500,000 worth of to ring up at a station every fifteen min- branch exchange was the Union Pacific slik in the department stores; \$1,000,000 utes. He must do this in rotation, requiring railroad headquarters. Exactly eightyworth of diamonds and jewelry, and while that he go from one station to another all four telephones in the different apartments on this vigit incidentally lifts enough peo- night long, and giving notice when he of the Union Pacific company may be ple in the elevators of the city one floor ceases his rounds for half an hour in the reached by calling the one number, Douglas middle of the night, to eat a lunch and 234. Anyone can remember one number. drink a cup of coffee. in other houses a Remember "33" and access is gained to busy fingers fill teeth, cuts hair, call 1.906 half hour "ring up" is required. Should any department of the Union Pacific Railburglars enter a store thus protected. It road company in Omaha in two minutes. would be necessary for them to keep ring. This same service is offered by all proing up at the stations in all parts of the gressive business houses of Omaha. From building while they were getting their her home a woman may call any depart-"loot" together or they would have the ment of a retail store. If she is acit requires for electricity to do all these entire emergency force at the police station quainted with a clerk in the department, calling to awake or release a chloroformed she may get the clerk of whom she dewatchman. Buildings patroled by watch sires to buy and give her order. Then she men who report by electricity could not can be connected with another department have very bad fires. Besides the automatic and may give an entire order to those a few hundred horsepower. All the ma- springlers, the watchman must pass the clerks with whom she trades every day.

"house telephone.

Other motors which are operated with so little electricity that a score of horsepower In the big business houses and many of would run all in the city are the drills All over the big buildings, on each end the smaller ones, the "private branch ex- and small machinery and tools about a whirls an electric fan.

Such a system of telephones has just been installed in the city hall. By hair-clipping machine which will our a vertica ten years ago, the electrician says, and everything which electricity can now. The police report system is much the remembering the single number, a sub- horse's back in any style. From requiring he probably would have been sent to the do for the people of Omaha, is done with same as the watchman system, every scriber may talk to Mayor Dahlman half a day to a day a total of 14.000 horsepower, which includes patrolman ringing in at intervals of half or the chief of police, inquire whether "hair out" it is now done in a few minutes, until become educated to the possibilities the running of the street cars and electric an hour, the report going to the central there is hope of securing assist- and the horses enjoy the riberations of the fluid, and when the wireless meslights. Reduced to electric light, the horse- office of the Nebraska Telephone company, ance aid from the Associated Charities or electric machine as companied to the hair sugar was discovered, or invented. Marconi power used by Omaha would run a large which has the contract for keeping elec- whether the bules in the pavement will be pulls of the hand machines

As an Aid to Comfort.

bank and should set off an alarm acci- the hotels, a guest is assigned to a room and old with the whiring blades of a powerful turned off.

dentally, he is immediately confronted by is in private within a few minutes after electric fan revolving something like 2,900 dinner which will be on the table waiting for an air washer; no steam nor water Electricity an Agent of Ever-Present for Europe, and Mr. Man then reaches More than 100 watchmen in Omaha or be sent to a room. Once in the dining motor would ever permit of running an wholesale houses, retail stores and factories room the guest may have a small iron box electric fan first in a hospital ward, then are kept awake every night by the business looking arrangement set on the table and in an office and finally keeping the cook like report system, and if anything happens through it may reserve theater tickers, a cool in the kitchen-and the whole thing

Services of Many Motors.

dentist's workshop. Hanging down over a dentist's chair a small motor inside a bronze ball about the size of an ordinary position. But with the little moter he gets everything pertaining to electricity was From holsting an elevator in the Union industries of the whole world." station, which will lift three tons of peo- This emphatic statement is made ple, the electric current turns to running Waldemar Michaelsen, city electrician, who a massage machine in a larber shop or has made a study of it and who has writall by a vibrating rubber hand cun with a new uses are being found daily for eleccurrent about as strong as that which trichy and is confident that the next few

Nor is the barber who has an electric places not dreamed of today.

Builders Get Its Assistance. Over the city where builders are putting incurably insane

necs with any part of the building. The a drill which makes holes where needed manager of a concern may talk with every for rivers, but from the nearest line of future, the city electrician cares not fore-The telephone company has a system foreman in the hullding, the shipping de- the street railway company he takes a cast, but to bring out a few of the varied curve seats for the family at the electrical which threatens the manufacturers of alarm partment and bookkeepers and direct the current from a feed wire or from the electricity, today Mr. Michaelsen show, and when they go to the show in an clocks. It is obliging to subscribers, and, whole business almost without seeing one tric light company the little motor is cur- follows an average business man through electrically propelled street car the premif a patroft comes home at an early hour of the employes, and then ask the engineer. Tied to the top of the tenth story or to the one day of his average life: the hardened metal.

One of the minor uses to which clee- too high and the cars are in danter of be- has been supplied by pushing the ever presat the touch of her finger to a button she was no artificial breeze which amounted to chine shop grindstone and emery which tem. says Michaelsen. "Arriving at the

sweating mortal in a rear room. The old dirty smoke and coal wagon attachment is reaching there he presses an electric butfans were a highly unsatisfactory piece necessary. The concrete mixer is run by ion and upon informing his wife through about the same current required to keep to look for it by the side of the great admitted-

Service in Life.

MANY USES FOR STRANGE FORCE

Commerce and Industry, Arts and Sciences and Familiar Domestic Duties Bettered by Application of the Current.

period and is becoming more and more a tory are in operation again, propelled by base ball operates machinery and drills household necessity in every-day life. The electric motors, which were formerly propelled by a clumsy many services it performs are wonderful, foot power, the dentist being required to an unthinking users of this invisible fluid move the footpower every time he changed have no idea how lost they would be if a steady power and shute it off or turns suddenly snuffed out and removed from his on at will by pressing a tiny button on life. Without a doubt electricity is today the drill slock which he holds in his hand. the most important factor in the life and

out, pores opened and blackheads removed, which the fuld has been put. He says that years will find the invisible agent in myriad

mastage machine in advance of the modern | In this he calls attention to the wireless was decorated with honorary megals, instead of being sent to a hospital for the

. In Man's Daily Life.

"Mr. Man has been east and arrives in Gmaha in the morning on a train propelled Now and then rails at the switches are by electricity, and on which his every want Union Station he takes an electric ele-

be placed on the finest mahogany desk current flits through the wires on and on with an electric snaving outfit with water without injuring the furniture. It may be with its invisible force, and stops in a heat-d on an electric stove, breakfasts and prises would save to be suspended were it placed at a bedside or on a dining table. Eitchen long enough to cook a meal, then goes to his place of business in his electric not for electricity. It keeps thousands of weary toilers com- upstairs it runs a sewing machine, while automobile," continues the narrator. "Arfortable and feeling fresh when formerly at the same time in a factory it is running riving at his office. Mr. Man finds accum- with more than ordinary favor. The and the fate of nations decided," says Mr. they were overcome by heat and bad air. 500 sewing machines and fronting clothes inted correspondence stamped with an elec- Roentgen rays, the X-rays, have been Michaelsen. "There is not a civilized With electric fans the "air washers" ar- without the danger of burning. Once set trical device showing the hour of receipt. rived and in more than one Omaha bust- the switch for the amount of current The electrical telegraphone is, called into being used for medicinal purposes, but for not use electricity, and in all countries are ness house the air is pulled through a needed to bring the irons to a certain heat play, and into it he discovery of hidden objects, the loca- men working night and day inventing new process which makes it pure and taken and they will become no hotter, nor do to the letters received from which the tion of builds in a man's body. But a new ones for the wonderful fluid, but what out of the building again when it becomes they ever get cool until the current is stenographer can transcribe them at her ray has now been discovered but recently, other great uses it will be put to I hardly

swer, and he sends a telegram to the cor- of skin diseases, cancers and the cauteriarespondent in New York. A reply is re- ing of wounds. celved that the correspondent has sailed him in mid-ocean by wireless message.

"While attending to this correspondence an electrical alarm is turned in, informing him that there is a fire in a portion of the factory. Rushing to the scene of the fire he finds that the flames have been quenched by means of the automatic fire alarm sprinkler system and when the city fire department arrives, summoned by the electrical call system, there is noting to do. Also there is no work for the police summoned by the electric patrol system. Electricity is the greatest agent of the Iu a few minutes the machines in the fac-

After His Day's Work.

is accurately set every day by means of the correct time being telegraphed direct to the clock and the hands being placed in the right position by means of electricity, Mr. Man- sees that it is time to go home to dinner. He talks to his wife over the electic telephone and apprises her that he is starting home, and when he arrives there in his electric cabahe finds dinner ready, the meal having been cooked over an electric stove with electric cooking utensile. Though it is Monday, and wash day Mrs. Man is not tired, as she washed with an electric washing machine. Cooked dishes back-breaking turning of a wringer. All pliances connected with baking dishes, and necessity for walking two or three miles groom at the stables who has an electric telegraph. Had Marconi sprung his in- for dessert Mr. and Mrs. Man have ice to work, for the trolley is ever present, cream frogen in an electric freezer.

"After dinner Mr Man sits down under lactory, for the machines are run by elecfrom an electric clgar lighter, reads the evening paper while Mrs. Man curis her hair with an electric curiling iron and pre- and the telegraph encircles the globe. Ships pares to go to the electric show at the can be reached in mid-ocean by the wire-Auditorium. The evening is chilly and Mr. less telegraph, and look where one may, Man warms alls feet on an electric radiator. the works of electricity are seen on every though in the heat of the day the electric What new inventions will be made in the fan kept his office cool. A messenger, summoned by the electric call service, proises are guarded by the electrical burgiar

Wonders of the Age.

In this narrative, Mr. Michaelsen cails attention to many electrical appliances, ail of which are used by some, some of which are used by all, but many of which, as he says, the average man does not value as he would if their use was suddenly denied. the wireless message, the electric toe Then the concrete workers want to mix vator to the surface, buys the morning cream freezer and the electric printing and wish they had never given the order ceilings and pulled backward and forward cement, sand and crushed rock for a side- paper printed on an electric press, and rides press are not as widely used as some, but by a rope, which was operated by same walk or retaining wall. No steam engine in an electric street car to his home. Upon in this day there are but few homes where the telephone is not used, tewer still where some member of the family has not felt of furniture and served best when a roost power from the wires in the nearest alley an electric speaking tube that he is the the need of sending a telgram, and probably for flies, but the electric fan, operated by and a motor so small that it is necessary lord of the manor, and not a burgiar, is none in Omalita who have not ridden on the electric cars, in every-day life circa sixteen candlepower lamp burning, may cement mixer. From the cement mixer the "Mr. Man goes to his room and shaves tricity has become a necessity, it is no longer a luxury, and many business enter-

known for several years, the ray's not only nation on the face of the globe that does which is known as the violet ray, and know."

"But one letter needs an immediate an- which is used principally for the treatment

Its Aid to Mankind.

Though discovered many hundreds of years ago, electricity has not been put to much every-day use until recently. In the early days the woman of the household | was compelled to get up on frosty mornings, if "hubby" was too sleepy, and gather cobs to build the kitchen fire and cook breakfast for the family. In the hot summer weather she has toiled and sweated over a steaming wash tub and by assiduous rubbing on an old-style wash board has cleansed the clothes and about used herself up. Her work was hard, while the labors of her husband were no lighter. He had to walk to his work, had to propel his machinery by hand or fire up a steam engine, could send no messages home for "Glancing at the clock on the wall, which the want of a telephone or an electrical messenger call service. But today this is

all changed. By the simple pushing of a button the stove is lighted and the house warmed, and the meals cooked on an electric stove. In the summer the gonnecking of a switch starts an electric fan which cools the room, and the pushing of another button starts the washing machine. There is no boiling and stirring of clothes over a redhot range, there is no endless rubbing of garments on a wash board, there is no is done by electricity. There is no more and no fires have to be poked in many a

Telephone wires form a veritable network in the city as well as the country, hand. A complete catalogue of all electrical appliances and uses would be impossible, but some of them, heretofora mentioned, are:

Telegraph, wireless telegraph, telephone, sensenger call boxes and services, police all boxes, fire alarm boxes, sprinkler fire alarm system, automobiles, trolley cars, ocomotives, printing presses, elevators, block system, clocks, lamps, stoves, cooking utensils, shaving sets, curing trons, masrage apparatus, washing machines, ice cream freezers, led freezers, cigar lighters, flour bleachers, milk cleansers, medicinal belts and soles, bed warmers, feet warmers, telegraphone, X-ray, fans and scores of

Electrician Michaelsen well says that 'electricity is the greatest agent of the period," and, in the opinion of this personage generations in the future will look back upon this century and call it the age of electricity," as we today catalogue

he problemete acus of the cast. tion of thre before builteships will be sent through the seas by the unseen agency, In medicine, too, electricity is looked upon | electricity . and battles won, wars settled