THE UMAHA SUNDAY DEE: MAY 2, 1909.

# Johnston Electric Company

Formerly Western Electrical Company

411-413 South Tenth Street. Telephones-Bell, Douglas 456; Ind. A-2456.

## The only change is in the name!

Forget the "al"---Remember Johnston **Omaha's Oldest and Largest Electrical Supply House.** 

In a period of over twenty years we have established a reputation for fair dealing and honest prices. Let us figure the electric light wiring for your residence, store or warehouse.

### **Expert work!**

**Quick Service!** 

## **Reasonable Prices!**

'One of the latest and most importan

work done is the effort to accurately and

efficiently dispatch trains by telephon

and this is gradually meeting with consid

erable success. There are many difficul

#### **Examples of Our Recent Work:**

NEW BRANDEIS BUILDING HANSON'S CAFE BEAUTIFUL HOTEL LOYAL STREHLOW FLATS MILLER PARK PAVILION

YORK, NEB., COURT HOUSE and POSTOFFICE SOUTH OMÁHA HIGH SCHOOL OMAHA HIGH SCHOOL OMAHA VIEW SCHOOL NATIONAL CORN SHOW

JOHN DEERE PLOW CO'S WAREHOUSE FAIRBANKS-MORSE CO'S. WAREHOUSE C. & N. W. NEW FREIGHT HOUSE INTERNATIONAL HARVESTER CO. MRS. W. B. MILLARD'S RESIDENCE

DR. MILLER'S RESIDENCE W. A. PAXTON, Jr., RESIDENCE G. W. JOHNSTON'S RESIDENCE FORT CROOK DOUGLAS COUNTY DETENTION HOME

ELECTRICAL PLANTS---Bennett's Store; Thompson Hotel Co., Lincoln; University of Nebraska, Lincoln; Pender, York and numerous other plants throughout the state.

Visit our booth at the Electrical Show, May 6th to 15th, inclusive, where we will have numerous interesting electrical effects.

## Johnston Electric Company

G. W. Johnston, President.

ELECTRICITY ON THE TRAIN stacks beiched forth their black and dirt, now but one stack is

Many Uses to Which the Current Has Been Put.

cripple, which has to hobble along on one SAFETY AND COMFORT SECURED

Devices for Signaling, Lighting and Otherwise Controlling Operation of Trains Are Many and Are Being Improved.

'Although the use of electricity in the

operation of railroad trains has added im-

mensely to the safety and efficiency with

said Dr. Frederick Millner of the electrical

and repair shops.

which can go twice as far. The alternating current was the first to be discovered and power. This is seen daily on the streets of is the natural state, and the direct current Omaha in the way the large cars the Omaha & Council Bluffs Street Railwas evolved from the alternating. way company are lifted up the steep

Better Block Signals.

grades of the city. "Before a great many years the block "With the harnessing of streams and the establishment of water signals will be operated by alternating curwhich trains are handled, the use of that rent, and they will then be much more power plants in the mountains, the heavy great power in railroading is still in its efficient and less expensive. This will be hauls of the mountains will in time be infancy and undreamed wonders will be done as nore power plants are made by electrical locomotives. I underworked out within the next few years," available. It is impossible to estimate the stand the Milwaukee is now building two future of the alternating current, for it is immense power plants of 30,000-horse power department of the Union Pacific, who has the current as it occurs in nature. The each to use in crossing the mountains of been making advanced experiments in all direct current is an alternating current its new line to the Pacific coast. lines to increase the use of electricity, both from which one leg has been out off. Re-

#### Telephoning from Trains, "Communication between trains by vary, they found how to make the direct current ing frequencies is but a matter of a short "While much has been accomplished to they at once began to manufacture direct time. Telephoning from moving trains

can a steam incomotive of equal horse-

in handling trains and also in construction searches began with batteries and when

## To be sure! We've a space at the "Electrical Show"

## Hear the "Electrical Orchestra'

The "Electrical Orchestra is the world's masterpiece among automatic musical insturments. It's a marvelous combination of piano, organ, pipes, cymbals, drums, etc.-in fact, a virtual seven piece orchestra-gives ravishing music-yet runs by a motor. A product of The Rudolph Wurlitzer Co., the world's largest automatic music makers. We are their foremost western agency.

#### Hear the new "Auxetaphone"

The newest "Victor" talking, singing and playing triumph-a phonograph, but you wouldn't know it-sounds so real. We've supplied one each to the Hotel Henshaw and Hanson's Cafe. Tone most superb-a large volume of it-brings out music without that "phonographic rasp." Machine shown costs \$500.

Then, too, our Mandolin Quartette Piano is worth Hearing. You're real welcome.



an immense amount of work in far better users of celetricity have been satisfied with the distance to covered by this conshape than has been done by the direct the direct current. All electricity existing trivance is not necessarily great, as it will current. The alternating current is the in nature and even lightning is nothing but be simply the distance from the train to natural current, the mighty power walking high frequency, high voltage, alternating the ground. on two legs, while the direct current is a

current of great motive force and power. "The use of electricity in the various "The electric locomotive will replace the railroad shops has worked wonders in the leg, and consequently is looking for a place steam monster in many localities, for it saving of expense and also in doing away to lay down and rest or to run to earth, has many advantages over its steam with the danger to life and limb. The The alternating current, on the other hand, brother. An electric locomotive can haul principal advantage is in doing away with

is a strong giant, with two good legs, a heavier train up a steeper grade than the miles and miles of belting and shaft-

BERT LEBRON. LeBron Electrical Works.

MANGUM,

lead of the Firm of Mangum & Co., Op

ad to

with

trains are brought into large cities by telephonic operation of trains will displace electrical locomotives. Most trains will soon the telegraph, but these are being gradually the lighted by electricity from dynamos overcome. The Illinois Central is fast put situated in the baggage cars. The cookting into practical use the telephone ing in the dining cars will soon be done

tem has been done away with.

**Phones** 

Independent A-1548

Night, Webster 2532

that is over the most modern of furnaces.

The belts were also conveyors of dirt and

this objectionable feature of the old sys-

operating its trains and the Union Pacific by electricity and the trains will be heated is now operating the stretch between North by electricity. The unevenness of tem- Platie and Sidney by telephones. The sucperature in the sleeping cars will be done cess of these experiments is so great that away with, for a thermostadt will keep an plans are being laid to use the telephone even temperature in every berth. more and more. "Signal systems are now being made so

"It will not be a long time until all ties and prejudices to be overcome befor

seen, and

Advance in Signaling.

efficient when operated by electricity that "The possibilities of wireless telegraphy trains may be required to travel at a ceras an adjunct to the block signal systems tain speed, this keeping the trains a ceris still in the making, but great corporatain distance apart and thus governing the tions are continuously experimenting with speed of the trains. With the advance in ope device after another to secure the ut- the use of the alternating current much most safety for passengers and equipment. more can be done in the way of control o The trend of everything on the Harriman lines is toward smoothness, safety and



108-10-12 N. 11th St.



W. R. Bramblett & Co. 1311 Howard Street OMAHA

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