

People's Weekly Electrical Page

WIRELESS TO SPAN GLOBE

United States Government Making Arrangements for It.

RADIUS OF PLANT 3,000 MILES

With System Working Washington Will Be in Touch with All Our Possessions at All Times.

Crackling and sputtering with life, the navy's new wireless station at Arlington, Va.—the most powerful plant in the world—recently flung from its lofty spires the first message which signalled an important step in the building of a globe-girdling wireless system which will keep every ship of the United States navy and every insular possession within instant communication of the capital.

Down in the sound-proof operating room, windowless and protected by double doors, some of the navy's most experienced operators, directed by Lieutenant Woodworth, sent out the first flashes.

"N. A. X., N. A. X.," the call for Colon, 1,785 miles away, was sent hurtling through the ether. At intervals the instruments sparked off "N. A. R.," the call for Key West, 95 miles off. No official messages were sent, but the results of the test were noted at all stations on the Atlantic coast, as well as Key West and Colon and reports on the trials will be made.

Radius of Plant.
The radius of the new plant will be about 3,000 miles. This range, probably the acme of wireless operations, will be attained gradually and it may be weeks before the big plant is "tuned up" to its highest efficiency. Communication with the Pacific coast will be attempted only at night for the present, but later on throughout the day the secretary of the navy at his desk at Washington will be within instantaneous communication with Key West, Guantanamo, Colon, the naval coaling stations, the winter maneuver grounds and all Atlantic stations.

When the plant is working perfectly and the chain of stations is completed, Washington will be in touch with Hawaii, Samoa, Guam, the Philippines and Pearl harbor. The completed system will cost about \$1,000,000. The sea is then no longer will be a wilderness for the American navy.

New Electrical Development.
The Society for Electrical Development, Incorporated, held a big meeting in New York City recently, to discuss plans for educating the American public to a better knowledge of electricity and its uses. Members from all over the country attended, and much enthusiasm was manifested.

In Chinese Republic.
An American consul at Shanghai, China, states that there can be no doubt that there will be a great deal of progress in the use of the telephone and electric light in China in the near future, for the Chinese are quickly learning to appreciate the telephone and electric light as modern necessities.

Hair Washed, Dried and Combed Within Very Short Period

"If it wasn't for getting this hair of mine dry, I would have fluffy hair all the time," is the plaint of many a woman who has found her hair to be the greatest trial of her toilet.

Many women have found the electric hair dryer relieves them from all the trouble incident to washing the hair. The air blown upon the hair by one of these dryers very quickly takes out all the dampness and leaves the hair ready to be done up with all the good qualities which a quick dry gives it.

The hair dryer here shown is a very simple affair designed for easy handling.



THE ELECTRIC HAIR DRYER.

The heating element is located in the barrel of the blower. Instantaneously upon connection with the lighting socket there may be had a strong blast of either hot or cold air. The temperature of the outgoing air is very easily controlled by a touch.

Some Persons Are of Opinion Broom Will Go Into Discard

In the interest of public health the broom and the house cat must go the way of the common drinking cup and the roller towel. Hereafter no house should be cleaned except by a vacuum cleaner, and the family cat must go to, even though the house is overrun with mice. As for beating rugs or shaking dust cloths from open windows, this is a reckless practice fraught with gravest danger to one's innocent neighbors. These are some of the progressive views aired at a meeting of the public health committee of the New York County Medical society. The vacuum process is without doubt the most scientific and sanitary and thorough method ever devised.

It remains only for the public at large to realize that the same advancement has been made in the method of cleaning a house as in the method of lighting it or the method of obtaining water. Both of these last mentioned advances has been for a long time considered to be of the most vital importance to the health and happiness of a household. It will soon be as old fashioned to wield the broom and dustcloth to scatter dust and germs into the air we breathe as it is to carry our drinking water from an open well.

ELECTRIC CABINET AT SHOW

Omaha Product Considered One of Best Manufactured.

INVENTED BY OMAHA DEALER

List of Several Advantages It Has Over Other Cabinets, Including the Footlight Benefits and Neatness.

Among the most interesting of the exhibits at the Made-in-Nebraska show is the electric bath cabinet in the booth display of the Weirich Fixture company. This cabinet is an improvement on all others and it depends upon electricity as the only means of getting its heat.

Many persons believe that a sunbath is the best cure for rheumatism and many other similar complaints and physicians are agreed that the electric bath can do practically as good work as the sun in this respect.

In the arrangement of the electric bath several large candle-power globes are used and the person who takes the bath simply seats himself in the cabinet and turns on a switch. Then the electric current does the rest, and the person soon gets a hot, clean bath, and is given all the benefits of the electric cure.

Weirich Cabinet Uses.
The Weirich cabinet has proved its effectiveness and now does brilliant work. It is in great demand, the local company finding it difficult to fill orders. The cabinet is on exhibition for the entire week at the show and visitors will be shown the exact manner in which it works if they will go to the Weirich booth.

The cabinet is an Omaha product, and was invented by Mr. Weirich. It is substantially and neatly built, and is decorative in addition to useful. A picture of it is shown on this page, giving an interior view, and showing the arrangement of lights. The footlights are an improvement over other cabinets and are considered a great advance in the manufacture of cabinets.

Sign Helps Eleven at Foot Ball When in Use by Aggies

During the foot ball season last November the senior class in engineering at the Iowa State college, Ames, Ia., erected a large electric sign on the roof of the engineering building. This sign was eight feet high and fifty-five feet long, and was completed by the boys in five days.

The sign read "Beat Iowa," and a flasher was constructed which first spelled out the letters, then flashed the entire sign and then repeated with the omission of the first letter, B, so that the final reading of the sign was "Eat Iowa." The framework for the sign was made and set up by the students in mechanical and civil engineering. The electrical engineering students did all the wiring, constructed a flasher and set up a motor and controller for operating it.

The Persistent and Judicious Use of Newspaper Advertising is the Road to Business Success.



Best Vehicle for All Occasions and in All Conditions

This is the season of the year when more trouble is experienced with all forms of transportation which do not depend upon electricity than at any other season. In winter not only is the horse almost helpless whenever snow is deep or roads icy, but whenever the weather is really cold the gasoline vehicle is constantly in danger of freezing its cooling water when the engine is allowed to stand for a short while. Moreover, gasoline machines are difficult to start in cold weather and it often happens that the cylinder must be opened and primed with the ill smelling liquid before an initial explosion can be obtained.

The electric battery is subject to no such troubles, and the electric delivery wagon will make almost the same time on snowy days as in good weather. After all it is the reliability under all possible conditions, which means time and money saved and endless annoyances avoided, and this is only found in the electric vehicle. It is ideal for all conditions that may be imposed upon it.

Electrification of Railways.
The London and Northwestern and the London and Southwestern railway companies are about to carry out an important electrification scheme involving over 150 miles of track in the metropolis. Direct current at 600 volts will be employed, with third and fourth rails, the trains being operated by the multiple-unit system. The scheme includes connection with the entire underground railway system of London.

Wireless to Germany.
The first wireless message sent direct from the United States to Germany was sent on January 17 from Sayville, Long Island, and received at the Nauen tower near Berlin, Germany. The distance is about 3,000 miles. Heretofore it has been necessary to relay wireless messages to Berlin and other points on the European continent.

Lanktree Electrical Co., 308 S. 18th St. Tyler 1011. All kinds of electrical contracting. Get our prices.

Motors, Dynamos and General Repairing, Electrical Machinery and Armature Winding a Specialty. ELECTRIC ELEVATOR REPAIRS POWER WIRING Le Bron Electrical Works Day, Doug. 5176. 213 South 12th St. Expert Electricians and Machinists

SEE BENNETT ELECTRIC CO. FOR SAFE AND RELIABLE WIRING It PAYS TO PLEASE 301 Omaha Nat. Bank Bldg. D 3816.

Electricity has become so useful in the household that no home is considered modern unless it is equipped with electric conveniences. If you have any to sell you can rapidly sell them by using this page.



Home Has Become Darker Since it was Cleaned in the Fall

A lady in Cleveland awakened the other evening to the fact that her rooms were apparently much darker and less cheerful than they had been at the beginning of the dark winter season—that is to say just after the fall housecleaning. The change from light to darkness had been so slow as to be perceptible, but she was sure that it had come.

She looked at the room and looked at the lamps, and concluded to work the reformation in the lamps. She brought a damp cloth, carefully removed the shades from the lamps, and while the lamps were still lighted she removed every vestige of dust from the bulbs. She washed or thoroughly dusted each shade before replacing it and then compared the light in the room with what it had formerly been. She was very much pleased with the result and the next day carried out her bright idea on every lamp in the house.

New Light System in Thompson, Belden & Company's Store

A new lighting system has just been installed on the first and second floors of Thompson, Belden & Co. by the Burgess-Granden Co. Large Moonstone lanterns with frosted glass, using 40 and 60 Watt Mazda lamps, have changed the illumination on these two floors to the nearest approach to daylight that has ever been reached by any artificial lighting. Colors are easily distinguished. The millinery department is able to do business as well at night as in broad daylight. Mr. Negale says the only drawback to the new system of lighting is that it makes their basement look like a cellar and their third floor look like an attic. These floors will be changed from the old arc system at once.

Omaha Electrical Works Electric Elevator Repairs and Westinghouse Motors 108-12 N. 11th St. Phone Doug. 1181.



A Telephone

Means security, in placing police, fire department, doctor, druggist and friends within immediate reach at all times.

Daily Half a Million Bell Telephone Calls are "Made in Nebraska."



Bell Lines Reach 668 Nebraska Towns.

Store Lighting



A well lighted store is a well advertised store. There is more to the question of proper store illumination than most merchants imagine. A lighting system that will do for one store will not necessarily do for another where conditions are different.

There is a vast difference between light and illumination.

If you want your place of business to have the proper lighting effect, just put the problem up to us.

BURGESS-GRANDEN CO. 1511 HOWARD ST.

BOTTLED SUNSHINE

Electric Light Bath Cabinet

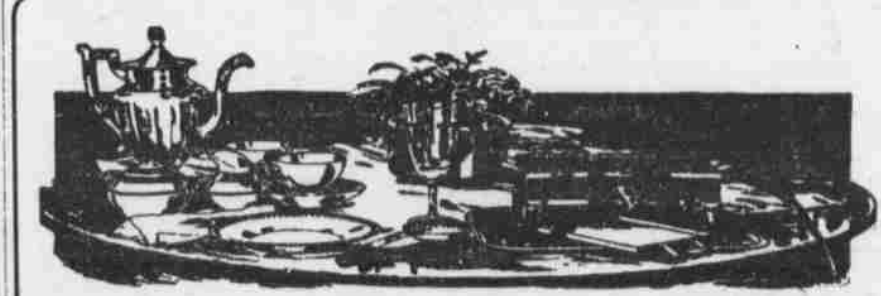
WEIRICH FIXTURE CO.

The bath cabinet that surpasses all others. Heated entirely by electric light it is the nearest approach possible to a pure sun bath.

This cabinet may be seen at the Weirich Booth at the "Made-in-Nebraska" Show.

For sale by

The Weirich Fixture Co.



Every Electric Need

...at the... Electric Shop

This is the age when every modern home is supplied with electrical conveniences—the electric stove, toaster, coffee percolator, iron, motor for the sewing machine, vacuum cleaner, washing machine, etc. No home that wants to save the women drudgery can be without these. They are as much the requirement of the ideal home of today as is the dining room table. If you would be modern you must have electrical conveniences. This shop sells every modern electrical device that is produced. You should have several of these. Visit our display at the Made-in-Nebraska show or come to our store and see what you can buy for a very small price. Start getting electrical devices now, and add to your equipment as you are able.

Every article is rightly priced here

The Electric Shop Wolfe Electric Company

Tyler 1414. 1810 Farnam Street. Wire for us and we will wire for you.