

THE PEOPLE'S WEEKLY PAGE OF ELECTRICAL NEWS

Published Each Tuesday

Any Player Roll For Any Player Piano

The Hospe collection of player piano rolls is unexcelled in the west for choice of pieces. You can get any piano selection that you want, from the familiar pieces of olden days to the popular song and cabaret numbers of the present day.

ANY ROLL YOU WANT—WHEN YOU WANT IT.

A. HOSPE CO.

DOUGLAS STREET.

The duck lays an egg without making any noise.

The hen makes a lot of racket about the little task.

You may admire the duck for its quiet ways, but you buy the eggs the hen lays, for you know that the hen lays eggs—the noisy fowl keeps you aware of the fact all the time, and you naturally ask for the goods that you hear of often.

So, you see, it pays to advertise, even if you be a hen.

The house wired for electricity is the one that gives the tenant entire satisfaction

If your house does not have electricity let us move you at once into one that does. We give complete satisfaction in our moving, and dispatch work with care to every article and without damage to the most fragile piece of furniture.

Moving, Storing and Packing
Modern Equipment

Store your goods with us this summer in
Fireproof, Ratproof and Dirtproof Vaults

The Best Storage in the West.

Omaha Van & Storage Company

WHAT PUZZLING KILOWATT IS

Average Citizen Knows About the Water Meter, but Not Watt Meter.

DR. WHEELER GIVES DEFINITION

"Electricity is Tabloid of Energy" and is Only Form that Can Be Stored and Used When Wanted.

What is there about a kilowatt-hour that so mystifies the average citizen, or about a kilowatt-hour that reduces him to a state of incoherence, asks the Electrical News. The gas meter has long been an object of suspicion, but in spite of its innate depravity men assume to understand it and occasionally dispute its verdict. But a watt meter! How often have you heard one of the hundreds of thousands of users of electric current casually tell another how much each kilowatt-hour is costing him? He knows in New York that 1,000 cubic feet of gas costs him 30 cents. He knows how much a week he pays his maid, but he doesn't know how much an hour he is paying that other servant—electricity—and he doesn't know how he can check up the question, whether he is getting what he pays for. At best he knows that his electric light bills are about so much a month.

Electricity has often been called the universal servant. It is more than that. It is the tabloid of energy. It is the most refined and condensed form of energy, and, therefore, is available to be applied to more different things than any other form of energy.

It is the best disciplined energy because it moves in an orderly fashion and with lightning-like rapidity. Dr. Schuyler Skates Wheeler has said that the difference in the motion of those two first cousins, heat and electricity, is the difference between a panic-stricken mob in a fire and the fire drill in a public school by means of which a building is emptied of hundreds of students in less than five minutes.

Dr. Wheeler is responsible, too, for the expression, "Electricity is the tabloid of energy." It is as easy to handle, he says, as extract of beef. Just add hot water and serve in the first case. Just turn a switch and be served in a second. It is the only form of energy that can be stored in practical quantity and used when wanted. Heat, for instance, is rapidly dissipated.

You can't get horse-power without starting an engine, or a horse, but you can keep kilowatts in a storage battery by converting them into chemical energy and hold them in a glass jar for a long period of time with little deterioration. Why is the public, which spends \$3,000,000,000 a year, directly and indirectly, on electric machinery and a like amount on current, so devastatingly ignorant of the most simple fundamental facts in regard to it?

Vacuum Cleaner Put to Odd Work by Man in Southern Town

A contractor in Richmond was the other day perplexed as to how to get two wires through a three-eighths inch gaspipe for a new post light. The pipe had three bends in it and could not be disconnected.

A friend suggested to him that he get a vacuum cleaner on the job. When the cleaner was brought the two took a piece of string and made a ball of the string nearly as large as the opening in the pipe. Leaving the balance of the string attached they inserted the ball in one end of the pipe and put the smallest nozzle on the cleaner hose to the other end and sucked it through. The entire operation took about two minutes, and, of course, after they had a string through the pipe they were able to draw the wires after it without any further trouble. By this method they did in less than five minutes what a man had already tried to do by hand for the best part of a whole day.

Telephone Wire in Quantity So Large it Really Astounds

There are 7,000,000 telephone stations in this country united by the Bell system, and the amount of wire made use of will total at 12,000,000 miles. Some idea of what this total means may be grasped when it is calculated that this length of wire could be stretched 7,000 times between Omaha and New York, could be wrapped around the earth 500 times, and that it would make fifty separate lines from the earth to the moon; but there would not be half enough wire to reach from the earth to our nearest planetary neighbor, Venus.

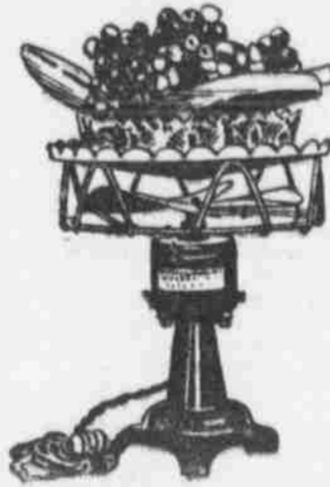
NEW FAN POPULAR IN HOME

Unlike Ordinary Cooler in that it Blows Breeze Upward.

DISH OF FRUIT JUST ABOVE FAN

Nickel Plate is So Constructed that it Holds Securely a Dish of Fruit or a Pot of Flowers.

Here is the sort of fan which you may see adorning the word is used advisedly) the table of restaurants and of home dining rooms this summer.



The idea of this fan is that it is especially useful for a dining table inasmuch as it directs its cooling current towards the higher parts of the room instead of directly at the people seated around the table. The current of air thus created is cooling and pleasing without being annoying because of close range.

The blades of this fan start the air upwards, while a thin sheet of nickel above the blades deflects it outwards towards the room.

The crowning glory of this fan may be a dish of fruit or a pot of flowers. The nickel plate is so constructed that it holds securely anything on that order entrusted to its care.

Electrojokes.
When one has the telephone receiver down, if central turns on the ringing siren a smart shock may be received. Two-year old "Billie" Harvey was not aware of this painful possibility, although she had been in the habit of going to the desk phone and holding extended conversations with real or imaginary people. One day she rushed from the room, wild-eyed and screaming at the top of her voice, "Mamma! mamma! Central bit me!"

The Worst Ever.
"Here's an item," observed Rivers, who was looking over the exchanges, "to the effect that the king of Sweden raises prize dogs on his farm."
"I suppose he uses them," suggested Brooks, "to drive his Stockholm!"
After which the rattle of the typewriter broke out afresh with great violence.

Nearly 90 per cent of the gasoline automobiles have adopted electric self-starters.

MOORE VAPOR LAMP SIMPLE

Light Comes from Electrical Discharge Into Tube of Gas.

DIFFERENT COLORS COME OUT

High Potential of Electric Discharge Brings the Varied Colors with Gases that Are Altered.

The Moore vapor lamp is simple, the light being produced by an electrical discharge in a tube containing attenuated gases. The lamp is really an enlarged Geissler tube, and it was an American, Mr. McFarlane Moore, who first overcame the difficulties of obtaining the Geissler effect on a large scale suitable for commercial lighting. The feature on which the operation of the lamp depends is the maintenance of a constant pressure of gas in the tube. The best results are obtained at a pressure of about 0.1 mm. of mercury, and since during the life of the lamp gas is absorbed by the tube walls it has to be replenished. This is effected by means of an ingenious electrically-controlled valve. When the pressure, owing to absorption, decreases, the conductivity of the gas increases, and the extra current is used in a solenoid to raise a core inside the branch tube where the valve is located. The bottom of the core dips into mercury, and when it is raised the level of the mercury is depressed so as to expose the point of a cone-shaped valve of carbon through which a little gas diffuses into the tube. The pressure being restored to the normal value, the conductivity is diminished, and the normal current allows the core to fall into the mercury again so as to raise the level above the top of the carbon valve. This automatic admission of gas takes place regularly about once a minute, and compensates for the absorption by the glass walls of the lamp tube.

The efficiency of the installation at the Savoy hotel, London, when measured by Prof. Fleming, was found to be from 1.75 to 1.95 watts per candle. This efficiency is considerably less than that of the tungsten lamp, which consumes over one watt per candle, and still less than that of the quartz mercury lamp, which takes only about one-third of a watt per candle; but regard must be had to the even distribution of light obtained in the case of the Moore lamp, and in order to make a fair comparison the latter should be tested against indirect lighting with tungsten or quartz mercury lamps.

The high potential electric discharge gives different colors of light with different gases.

Recovery of Phones in Dayton Flood is Made an Easy Task

A reminder of the severity of flood conditions in Dayton is contained in an advertisement of the Home Telephone company of that city printed in a local paper not long after the water had subsided. "Subscribers of the Home Telephone company," says the appeal, "will confer a favor and greatly facilitate the restoration of telephone service by preserving the telephone instruments in residences, stores or offices. Whenever telephones have been wrecked and torn from their positions we shall greatly appreciate it if you will be good enough to put them aside; our men, with proper credentials, will call for them at the earliest possible moment. Or, if it is convenient for our subscribers or other persons to do so, we shall be very grateful if they will bring such instruments to our office."

Figuring on It.
First Young Man—Then you think you may join a school for chauffeurs?
Second Young Man—Uncertain. I'm figuring out the chances for sloping with the daughter of a millionaire in that vocation.

Have a Heart!

Get her a MAYTAG ELECTRIC WASHER, or a VACUUM CLEANER, or an ELECTRIC IRON, or an ELECTRIC FAN. Make her labors lighter.

The Electric Shop

WOLFE ELECTRIC CO.
1810 FARNAM STREET. TYLER 1414

Phone Us at Doug. 6045 and We Will Send a Man With Head of Full of information on Awnings and Pockets Full of Samples

We'll guarantee to get your Awnings and Porch Curtains in place when we say we will.

New stock, full line of patterns. Prices as low as anybody's.

Our prompt service will please you, we know.

Gate City Tent & Awning Co.

Phone Douglas 6045. 314-16 South 12th Street.



A Bell Telephone on Every Desk

Then there is no waiting to use the office telephone—no delay—no wasted energy—no lost motion.

Adequate telephone facilities give any up-to-date business organization the basis for the most efficient and thorough work.

Are Your Telephone facilities adequate to meet your requirements?

NEBRASKA TELEPHONE COMPANY



Pierre Loti Much Awed by Gotham's Sign Lighting Plan

One of the most distinguished writers of the old world, Pierre Loti, has just recorded in the Century, as did Arnold Bennett in Harper's, his night impressions of New York, and in both instances it is upon "sign lighting" that emphasis is laid. Far, near, and everywhere, sentences are written over the city in great letters of fire, last for an instant, disappear, and then reappear. Figures gambol and gesticulate, among which I already have some old acquaintances, as, for example, the goblin who brandishes his colossal tooth brushes.

Seen from here, the city looks infinitely large; as far as the eye can reach, electricity traces zig-zags, palpitates, winks, dazies and, finally, toward the horizon, merges in a diffused glow as of the aurora borealis. Never before has New York seemed to me so unmistakably the capital of modernism; viewed at night from a height like this, it fascinates and frightens."

Vacuum Cleaner in Use to Shampoo Any Cat Rapidly

Vacuum cleaners, already among the most versatile and useful of electrical helps, have shown their adaptability in a new direction. Their success in removing dust and lint from garments of all kinds is well known. It remained for a woman in Brooklyn to employ them in giving dry shampoos to her costly Angora cats.

SEE BENNETT ELECTRIC CO. FOR SAFE AND RELIABLE WIRING. It PAYS TO PLEASE. 301 Omaha Nat. Bank Bldg. D 2614.



IT'S FAN TIME

DON'T SWELTER ON THESE SIZZLING HOT DAYS

YOU DON'T HAVE TO

AN ELECTRIC FAN WILL KEEP YOU COOL

It will swing a cool, refreshing breeze through your office or home and give you all the comfort of sea shore breezes. With an Electric Fan in your office you feel like working—and you do work. It also makes your employes work. They do not feel the heat and they give you results. If you employ several persons, you can get back the price of Electric Fans in a short time in the increased efficiency of your force.

FOR SALE BY ALL DEALERS

Increase in Salary of Telephone Girls Comes at Cleveland

Telephone girls employed by the Bell Telephone company in its Cleveland exchanges were surprised a few days ago when told that the company had raised their wage scale. Change was made also from payment on a monthly basis to a day schedule. The assessment was made by Norman Anderson, superintendent.

The increase will affect about 50 girls, in many cases it will mean another dollar or a dollar and a half in the weekly pay envelope. The aggregate increase will amount to about \$40,000 a year. Minimum wages paid girls in the operation school were raised from \$20 a month to \$24 a month.

German Hello Girls Do Not Reach Up to Plug In Connections

In striking contrast to the vertical panels of the telephone switchboards of the modern American exchange is the horizontal arrangement use in a large exchange in Berlin. The operators sit at both sides of the keyboard and in front of each, at the edge of the board, are the plugs and keys used in operating. While the horizontal board affords a ready surface for the accumulation of dust, it is evident that this is not allowed to gather, the two uniformed employes being shown at work with vacuum cleaners fitted with proper tools for keeping the board dustless.

Omaha Electrical Works Electric Elevator Repairs and Westinghouse Motors 120-12 N. 11th St. Phone Doug. 1101.