# THE PEOPE'S WEEKLY PAGE OF ELECTRICAL NEWS

Published Each Tuesday



#### Here is a Friend for Summer Days Cost of Electricity is Made Clear to



Electricity working through the five articles shown above makes a very happy mer servant. A motor, a portable amp, a toaster, a percolator and an iron will do a great deal towards family comort in the course of a day.

The first public telegraph office was opened on Seventh street, Washington, D. C., April 1, 1845.

Nearly 10,000 incandescent lamps are equired to illuminate the world's largest deamship, the Imperator,

Customer.

with Manda lamps. CURRENT CAN BE SAVED

It is Just as Possible to Economics with It as it is with Any Other Commodity Used in the Honsehold.

"Look at that, sir!" exlaimed the frate sousewife as she threw the electric light sill on the cashier's deak. "You have charged me with with nineteen kilowatts and there isn't a kilowatt in the house and never has been. We use only metal filament lamps, a toaster, a flatiron and an electric fan. The very idea-"

"My dear madam," smiled Mr. Croaby, cashler of the Omaha Electric Light & Power Co., "nineteen kilowatts is the total amount of electricity you have used during the monta. We sell a portion of the current measured by your meter at 12 cents and the rest at 6 cents per kilowatt-hour, the kilowatt-hour being unit of measure corresponding to the pound by which you buy your rugar an salt. Measured by the kilowatt-hour i costs six-tenths of a cent per hour for the first eighteen hours' use of each six the cost is but one-half, or three-tenths of a cent per hour. In other words, w have charged 12 cents for nine of the nineteen units you have used, and e cents for the other ten units, making a total of \$1.08, plus 60 cents, or \$1.68, on which we allow a discount of 5 per cent if paid in ten days.

"Oh," interrupted madam, "I see-

Economy is Possible. But she didn't really see, 'The kilowatt was just as much of a mystery as ever. It is really a surprise to most users of electricity to learn that they are buying the current in known quantities and that economy in its use will make it go twice as far at half the cost. All the work in the house can be done with the aid of electricity. It will cook, sweep, wash, iron and lighten the labor of the housekeeper, as well as give light and heat, All this is easily understood and it is just as easy to solve the puzzle of the electric

"In the case of electric service we use another unit, similar to the horse power n kind but not in quantity. This unit is called, just for want of a better name, watt.' Thus, on an electric toaster. for instance, there may be seen a little plate on which is marked '590 watts. which means that the toaster takes 500 watts of electricity to heat it properly There are 746 watts in a horse power.) But we do not pay for watts any more than we did for horse power in the above example. It is work or energy that costs money. Thus we establish another unit similar to the horse powerhour and call it a 'wotthour,' which means the quantity of energy developed by a wait in one hour. Thus the 600watt toaster would consume 500 watt-

Convenient Measure.

"When we consider large quantities and Canada will be in operation next September. of electric current, it is convenient to se a larger unit than the watt. The one chosen is called the 'kilowatt,' which is merged metals. chosen is called the 'kilowatt,' which is simply 1,000 watts. Similarly, the 'kilowatt-hour' is equal to 1,000 watthours. The electric light companies charge for their electrical energy by the kilowatthour, so this unit is very important. As all small lamps and apparatus are rated in watts, we will calculate their energy consumption first in watthours, and then divide by 1,000 to bring this to kilowatt-watted in the calling for assistance until the very moment of complete submergence of the vessel. This generating plant will be used only in emergencies.

hours by the price in cents charged per kilowatt-hour, the answer being the amount of the bill in cents.

"The number of hours a day that these lamps are in use varies, of course, with the season of the year and with the family requirements. As an average case, suppose that the kitchen tamp is used three hours a day for thirty days a month. A sixteen-candle power carbon lamp takes fifty watts. In one hour it consumes fifty watthours of electrical consumes fifty watthours of electrical energy. In three hours (that is, one day) it uses up fifty times three, or 150 watthours. In thirty days, or one month, the amount consumed is 150 times thirty, or 4,500 watthours. Dividing the watthours by 1,000, to obtain the number of kilowatthours, it is apparent that in one month the kitchen lamp uses four and one-fourth kilowatthours of electricity, which, at the rate of 10 cents a kilowatthour, would cost 45 cents.

"If Mazda lamps were used the total ceeded in shooting them.

Two applications for electric heating are used in connection with drafting work. One is the use of a portable combination heater and fan, ordinarily employed by hairdressers to dry their customer's hair after washing, to dry the link on tracings. This "wrinkite" shortens the time required to complete the tracing, as the freshly inked lines must be dry before T-square or triangle can be moved over the tracing. The other idea is to dry blueprints by going over them with an electric flatiron; and the flatiron is also useful to straighten out tracings and prints that have been rolled or folded.

EXPLAINING THE LIGHT BILL smaller, because fewer units would be charged at 12 cents, and the total amount of electricity used would be about out in half. This would more than offset the little expense for equipping the house

> "Assuming that the same amount of light were used-that is, the same total candic-power, for the mame number of hours-the cost for current would be about one-third. A forty watt Mazda tamp will give a light of thirty-two candle-power, and one of these tamps can easily be identified by the "40w" which appears on a little printed tag pasted on the globe near the screw plug-and so for lamps of other wattages. As a rule, when these lamps are employed, more illumination is obtained than when carbon lamps are used. The light is also so much lighter and more pleasing, its intensity being softened in many cases by the use of frosted lamps or light-diffusing globes The following table shows a worked-out example using Masda lamps of somewhat higher total illumination than the carbon lamps. The saving in cost and the increase in illumination are obvious.

nape mps Used	Day uru a Day	month	tal Com er Month
Kitchen 20-c-p.,	3 76	2,230	.189
Dining rm. 1 4-c-p., 60-w.	2 120	3.6	.20
Living rm.2 22-c-p.,	2 100	4.800	.400
Bathr'm1 30-c-p.,	2 80	1.6	,126
Bedr'm1 32-c-p.,	1 40	1,200	.101
B'sem't 2 20-c-p.,	14 m	5 1.125	.0946
Corridor1 20-c-p., 26-w.	16 12.	6 0.376	.031
Stairs1 20-c-p.,	16 12.	0.376	.031
Hall1 20-c-p., 26-w.	2 10	1,500	.133
Porch1 30-c-p.,	1 60	1.2	.101
Totale 15 lamps	637	6 19,125	1.60

#### ELECTRICAL NOTES.

Electric ovens are coming into use in the city bakeshops.

Huntington avenue, Boston, will be made a great white way. Dust on electric light globes robs them of their light-giving efficiency.

The White House kitchen has every modern electrical convenience. Electric illumination is now a feature of nearly every celebration or exposition watthours in two hours, 1,500 in three hours, and so on.

It is proposed to harness the Ohio river near Louisville to generate electrical power.

Electro-magnets are being installed by

used only in omergencies.

Ho Ho

Money and time by getting your lighting fixtures from us. Call us up and we will send a man out to figure with you, or come to our salesroom and make your own selection.

The Electric Shop

WOLFE ELECTRIC COMPANY

Est. 1874.

1810 Farnam. Tyler 1414.

BENNETT ELECTRIC CO SAFE AND RELIABLE WIRING It PAYS To PLEASE

Omaha Electrical Works Electric Elevator Repairs

Westinghouse Motors 108-12 W. 11th St. Phone Bong, 1181



## Proper Use of the Telephone Did it ever occur to you that you might not be using your telephone the right way? If you do not you cheat yourself and those to whom you are talking.

Do you speak side-ways, speak above, speak below, speak six inches away from the mouthpiece of your telephone transmitter?

### Speak Slowly

You should talk directly into the telephonenot simply at it, with your lips about one inch from the mouthpiece, and speak in a slow, even tone—no louder than you would face to face.

Half the art of tele-phoning is in deliberate speech. Speak in an ordinary conversational tone, but slowly and distinctly, and you can be heard much more easily.

There's a right and a wrong way to telephone.



Electricity has come so useful in the household that no home is considered modern unless it is equipped with electric conven-

If you have any to sell you can rapidly sell them by using this

# \$30--Vacuum Cleaners--\$30--Burgess-Granden Co.

#### BRIEF CITY NEWS

Barcophagus. Lighting Pixtures, Burgess-Granden Co. Maye Root Frint It -- Now Beacon Press. Pidelity Storage & Van G. -- Doug. 1516. Held for Keeping Gambling Devices-A. F. Burth and James Cunningham of ourt on a charge of keeping gambling sevices and bound over to the district

McVann Goes on Vacation-E. J. Mc vonn, manager of the traffic bureau of the Commercial club, has started for his vacation of two weeks. He will spend must of his time in South Dakots in the Back Hills country.

Must Support Pamily-O. K. Straum

#### BUSINESS MEN TO CONFER

Iron Out of Doors

All Summer Long

Ironing in summer becomes enjoyable, healthful exercise, if

you use an Electric Flat Iron. It can be used in any room or

out on the porch, if you wish, if your home is wired for electric

light. This is only one of the many conveniences and economies

possible to those using electricity. Electricity in the home

saves time and labor for you, enables you to do better work in

Consider these advantages in

having your home wired now

Electricity in the home saves half the labor of housework by

enabling you to use labor-saving devices. You can prepare

tasty meals in cool comfort if you use Electrical Appliances.

Electric Washing Machines and Flat Irons will enable you to

dispose of the largest washing quickly and with little effort.

Electric lighting is cool, safe and convenient, and best of all. it is the most economical illuminant. On July first the rate for

electric lighting was reduced from 14c to 12c per kilowatt hour

Write or telephone today

Omaha Electric Light & Power Co.

6c per killowatt hour. Ask for full particulars.

for the first 30 hours use. After the first 30 hours the rate is

less time and with far less effort.

Will Unite in Effort to Increase the Crop Yield.

WILL MEET HERE AUGUST 20

South Omaha were arraigned in county Bankers Figure it Would Be an Easy Matter to Increase the Production of the State Many Millions.

Pursuant to a resolution adopted by the State Bankers' association last February, a conference of the representatives of the large bus ness interests of the state is now being called to be held in Omaha at the Commercial club Wednesday, 119 Vinton street, charged with non- August 20. The purpose of the confersupport and abusing his family, was once is to consider ways and means of given ninety days suspended sentence by increasing the grain and live stock proludge Altstadt. The sentence was sus- duction, especially along the lines of plac-

In developing the question of aiding the agricultural matters our association arms to the conclusion that it would be well to unite, if possible, all the business interests of the state in the plan and effort, believing that greater results could thus be attained.

To this end the association passed its resolution hast August, the committee met as stated in January and a conference is to be called bow soon. Representatives of the various businesses industries and railroads are to be invited to attend this conference to consider the plan of a united effort. Before this conference will be laid the results of our investigations during the last two years with possibly some recommendations.

There are in round numbers between

There are in round numbers between 6,00,000 and 7,000,000 acres of corn grown in Nebraska each year. If by improved methods the yield be increased one bushelper acre you have added about 35,000,000 to the profits of the state. If the yield could be increased, say three bushels per acre, the gain to the state would be 50,000,000.

While the methods were being improved so we could raiss one or three bushels

#### Rine Says Council Cannot Cut Main Tax

City Attorney John A. Rine, in an informal opinion to the city commission, says the council is without power to reduce an assessment in a water main district after the assessment is author fixed. The opinion followed the protest of two women who declared the Water board had charged them \$20 a lot for the mains, when, under the ruling of the city council, they ought to have been charged only \$10 per lot. The council the dog. will discuss the matter at its meeting in committee of the whole Monday.

# **HELD FOR FORGING NAME**

For sale by Beaton Drug Co.—Advertisenent.

Why Beaton Drug Co.—Advertisenent.

Why Beaton Drug Co.—Advertisenent.

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over to await the federal grand jury up der bonds of \$1,000.

#### Dog Sentenced to Be Killed is Saved by Plea of Family

without a collar or a tag, was sentenced to death and would have been executed but for city executive elemency Following the order to shoot the rasged little dog a whole family, father, mother and two boys, came into Mayor Dahlman's office and asked for a pardon for

"He's the best dog in this town," said one little boy, whose name is Plummer. "Why, King never done nothing to be

shot for.' "Does he kill the neighbors' chickens?"

"Does he how! at night"

"Well, well suspend sentence," the mayor said, "and Ill tell the judge at

When the mayor had finished his order the money order cashed after forging the suspending the execution of King the name of the owner to it. He waived pre- kids gave a great shout and the parents liminary hearing before United States did not attempt to restrain them. The Commissioner | Danie; on a charge of whole family was so pleased that it was belonging to C. F. Hallard, 2602 North Sherwood and Beaton, fifteen; Gallagher, larceny from the postoffice building and evident King may live and wax fat in Thirtieth street, from Sixteenth and Byrne and Matters, Jr., twelve; Judgen

#### After Maneuvers State Troops May Go to Mexican Border

While it has not been officially announced, there is some likelihood that after the ten-day maneuvers of the state troops, west of Omaha, are over, the participating companies may be ordered to the Mexican border to do patrol duty

#### PETERS AND TATE SAY THE CORN CROP IS ALL RIGHT

Herman B. Peters, proprietor of the Merchants hotel, who has farms in different parts of the state, and Robert Tate, extensive farm owner, have returned from a trip through the state as far west as Grand Island and as far north as Plainview and they report that the castern part of the state is going to the shade. No changes were made in the have a corn crop in spite of the lack of

#### JOY RIDERS TURNED OVER TO JUVENILE AUTHORITIES

Paul Leidy and Dick Hultgren, two of the oys charged with taking an automobile Farnam streets Saturday night, were and Borsheim, seven.

Judge Altstadt. Earl Clark of Florence, who gave the boys a spark plug with which to enable them to start the machine and who went for a ride in the car, was given ninety days' suspended sentence and paroled to Probation Officer Bernstein on good behavior. The other

#### Ak-Sar-Ben Hustlers Still After Members

A gain of twenty-seven members for Ak-Sar-Ben was reported at the meeting of the hustlern' committee at funcheon at the Paxton hotel. This makes a total of 2,075 members hustled since the campaign for membership has been on. The general feeling of the committee was optimistic for the work for the coming week as they expect the weather to be in better shape for talking business to men than it was with the temperature 165 in standing of the various teams on bership hustling. The team of Benferd, Whitney and Miner is still in the lead with 210 members to its credit. The

present standing of the teams is: Benford, Whitney and Miner, 266 Mahaffey, Meyers and Potter, 150 O'Brien, Lord and Preiffer, 139; Erenpfort and Rozicky, forty-six;