

Public Utilities



Wonderful Growth Since Invention Thirty Years Ago.

Nebraska Telephone Company Has 25,000 Phones in Operation in Omaha and Suburbs-Constantly Increasing.

Of all the great public service enterprises that have been of immense benefit to the development of civilization in this country, as well as other countries, no one has been so far-reaching in its scope as the tele-

ander Graham Bell invented this instrument, he, little more than those associated with him, realized the future of this invention or probably little thought of its

effect on the development of the country. The telephone was first exhibited to the public at the Centennial exposition in 1878. At that time an enthusiastic friend of the inventor prophesied that in 1900 there would

CHAS. E. FANNING

OMAHA, NEB.

Agent Purington Vitrified Paving Block-Galesburg, Ill.

The Magic City Barrel Co.

Dealers in all kind of SECOND HAND BARRELS AND

BOXES. Also jobbers of all standard sizes new slack

barsels. We can furnish you a package suitable for

319-21-23-25 North 25th Street, South Omaha, Neb.

GEORGE ZIMMER, Sr.

FLORIST

CUT FLOWERS

HE ROWLEY ARTIFICIAL LEG

Designs on Short Notice

5223 North 23d Street,

Cut Flowers and All

Kinds of Floral

Flowers Fresh

Every Day From

Greenhouses

5425 N. 24th Street.

Work.

501-2-3 Boyd Thea're Bldg.

Omaha, Neb.

any purpose you may name.

Plants and Flowers

Telephone Webster 1333,

A. Donoghue

FLORIST

型型

1607 Farnam Street

Phones-Bell, Douglas 1001;

Independent A-1001.

Centracter of Public Works

MODEL PLANT IS IN OMAHA The Nebraska Telephone company, a system here consists of five exchanges. These wires run in bunches of twenty or Douglas, Harney, Webster, Florence and more in absolutely water tight cables, that a subscriber on any other exchange drop of moisture within this cable would can reach any one in Omaha, Council cause instant trouble and cause one con-Bluffs or any of the suburbs.

> Omaha's first telephone directory was put out July 10, 1879. This consisted of a single through the underground passage way into sheet of paper containing less than forty names. This directory contained the names an individual telephone or a party line. of Omaha's ploneers, some of them still in active business life.

Those who are acquainted with the teleplicated machinery that is required to furnish telephone service to a city the size mase of 40,000 wires coming into the cenoperator and then back again through

TELEPHONE OF BIG SERVICE be 100,000 telephones in this country. This another pair of wires on to the person who prophecy, at the time, was considered by receives the message, or who has explained many to be preposterous, but the result has to him the complicated, but instantaneous been more marvelous than the most opti- working of the apparatus that is necessary mistic thought it possibly could be, and to- to get instant communication between a day there are more than 5,000,000 Bell tele- local subscriber and a distant city, begins phones in use in the United States and to realize the enormity of the enterprise. Complicated Network.

Every telephone instrument in Omaha is branch of the Bell system, has more than entered into the exchange by two twisted 25,000 telephones now in use in Omaha. The wires running to the central switch-board. Benson, all these being inter-connecting so These cables are moisture proof, for any versation to jump from one line to another. Each of the 40,000 pairs of wires coming the Eighteenth street exchange, represents

Shortly after entering the building these cables are "fanned out," which means that the wires are separated and run into the phone only through the use of their office or home instrument, little realize the comother outside causes may be avoided. Each circuit is run through carbon connections of Omaha, but to one who has seen the so that a stronger force than the ordinary mass of 40,000 wires coming into the central station, or who tries to follow the so that any charge too heavy for the message through the various tables in its switch-board, for which the message must twisting and turning until it reaches the ultimately come, is by this means thrown into the ground before it can do any harm. All of the wires from the rack to the easement are run to the second floor where there is another or an intermediate dis-

tributing rack, where the paired wires are connected with relays which supply a third wire for each telephone, these three wires being used in connecting with the second system by which the central communicates with subscribers. The exchange room where the connec-

ions are made is a mass of switch-boards. A constant murmur fills tols room as one must realize when it is understood that 200,000 calls are made through the switchboard every day in the year. Before every three or four feet of switch-board space a girl sits, constantly on the alert for calls oming in to her section. With her hands she is constantly manipulating the plugs, placing them in the "jacks," and listening to the calls from other subscribers at the

Girls Require Rest. On account of the rapidity of the calls during the "rush" hours, each one of the girls is given a rest period of fifteen minutes during each two hours of work. When the subscriber takes down his re-

ceiver a small electric lamp, which represents his instrument on the board of the operator to whom he is connected, lights up. The girl reaches for a pair of cords and places the plug of one of them into the proper jack to connect her with the subber. Then she asks for the number change she puts the other plug cord into the proper jack that represents this telephone and presses a lever. The lever rings the second telephone, the one which is to receive the message. By the working of the signal light she can tell when the called receiver is taken down and when the conversation is over. When both receivers are hung up she takes out both the plugs and they do service again in connecting two others. If the subscriber imagines that he is causing the central operator any great discomfort when he jangles up and down on the receiver he is much mistaken, for it never reaches her only as the flashing of a tiny light.

For every ten or twelve girls there is an napector who walks along behind them continually, supervising, watching, helping and working to insure patrons immediate service. There are in the employ of the company nearly 400 girls, of which number about 200 are at work in the Douglas exchange on regular lines and sixty on toll

Rest Room for the Girls. The girls have the use of a big locker

room and a rest room, which is well supplied with periodical reading matter. A dining room with covered tables is provided where they can eat lunch. Tea or coffee is kept hot and sold for a nominal There is a hospital room wel equipped for emergencies. The exchange room itself is ventilated

with a special apparatus which sucks air in from above the roof by artificial means and forces it through water vapor to reduce the temperature before it goes into

The operator's busiest time varies accordng to the exchange at which she works. At the Douglas street office, where calls some in almost entirely from business houses, the busiest time comes between \$ and 10 in the morning. About 8,000 calls come in during this one hour. At the other exchanges, which serve residence telephones, the maximum hour comes in the evening between 7 and 8. This is the time then the wires are used for "visiting. The Webster exchange gets about 3,800 calls during this hour and the Harney about \$,500. By means of this vast and complex machine all the wonders of modern telephoning are made possible. There is no doubt in anyone's mind nowadays as to the convenience of having a telephone in the home and the absolute necessity of it in a busi-

KEELEY INSTITUTE A SUCCESS Omaha Institution Gets Patients from All Over Country-Has Been in

City Ten Years. Since moving to Omaha, more than ten years ago, the Keeley Institute, which formerly was located at Blair, has been actively engaged in assisting the liquor victim to gain back his self control. The people who come to the institute for

treatment come from all over the country. even from the two sea coasts. The number of patients treated would be alarming were this fact not remembered. The yearly average varies from 150 to 300 patients. The institute accommodates about forty patients at a time.

Her Tongue Stepped Upon. "Why, dear," queried a mother of her small daughter, who was crying, "what's the matter?" My t-teeth stepped on my tongue, sobbed the little miss

A Bachelor's Reflections. All things get further ahead of him who The easiest things to result doing are those that won't cause you any harm. A man would rather drink and smoke his money up and a woman dress it up than eat it up. **Hot Weather**

A Gas Range A Gas Water Heater

By cooking with Gas you can save the price of a Gas Range in a few months.

Heat your water with a Gas Water Heater enjoy real comfort.

Our representative will gladly bring you one of our 1910 Catalogues, or we will mail you one on request

Omaha Gas Company

LONG DISTANCE TELEPHONE

WATCH US GROW

Five hundred thousand people in Nebraska use the Bell telephone every day, because it is the only telephone that gives satisfactory and universal service.



Omaha's Census in 1950 Should Show 300,000 People

Our Census in 1950 Will Show 75,009 Bell Telephones in Use in Omaha

WE GROW FASTER THAN THE POPULATION

Four years ago Omaha had about 110,000 people, and the present census is likely to show about 130,000; four years ago there were 10,000 Bell telephones in Omaha, and now there are 25,000.



OUR GROWTH IS CONFINED TO NO LOCALITY

Like a mighty spider web our lines have extended over the state, reaching hundreds of new subscribers every month. Our growth in Omaha for the last four years has averaged more than a dozen telephones a

Reaches All the People Everywhere All the Time.

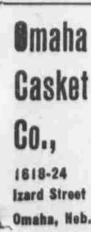
One System. Universal Service. One Policy.



Nebraska Telephone Company

Every Bell Telephone is a Long Distance Station





J. A. SIMONES, Manager Phone Douglas 1106