

Volume 11 Number 6

GAS and ELECTRIC NEWS

Cashill

Published by
The Rochester Gas & Electric Corporation

DECEMBER, 1923



Christmas Morning



Seasons Greetings -

From Mr. W. K. Van-
derbilt a Member of
Our Executive Board

I am glad of this opportunity to tell you all that I am personally much interested in your Company and those who are helping to make it a success.

Sincerely yours,

W. K. Vanderbilt

GAS AND ELECTRIC NEWS

Vol. 11

December, 1923

No. 6

The New 48-Inch Gas Transmission

WILLIAM N. WHITNEY

In the following article, Mr. Whitney tells briefly some of the interesting features of the new 48-inch pipe line recently constructed from West Station to East Station. This job presented problems and difficulties, characteristic of this industry but its efficient handling by Company men verifies the Management's confidence in their ability to do it as efficiently as an outside concern.

THE new water gas plant which was put in operation at West Station on November 1st, has several unusual and unique features. In a standard layout the generating set is relatively close to its relief holder, but in this instance the new set is on the west bank of the Genesee river and the existing relief holder is on the East side of the river, a distance of some 1900 feet away. There are many strong reasons for the West Stations location. The most evident saving by this site is the economy in coke handling by a conveyor system directly from the coal gas plant to the water gas generator.

To carry the gas as it is made from the set to the relief holder the pipe line must be of sufficient size so that the gas is not throttled in its flow and does not create excessive back pressure at the machine. With the ultimate generating capacity of the West Station site in mind, the design called for a pipe line 48 inches in diameter. The length of this 48-inch pipe line as built is approximately 750 feet on the west side of the river, 650 feet across the pipe bridge and 500 feet from the pipe bridge to the relief holder.

Cast iron pipe was used for under-

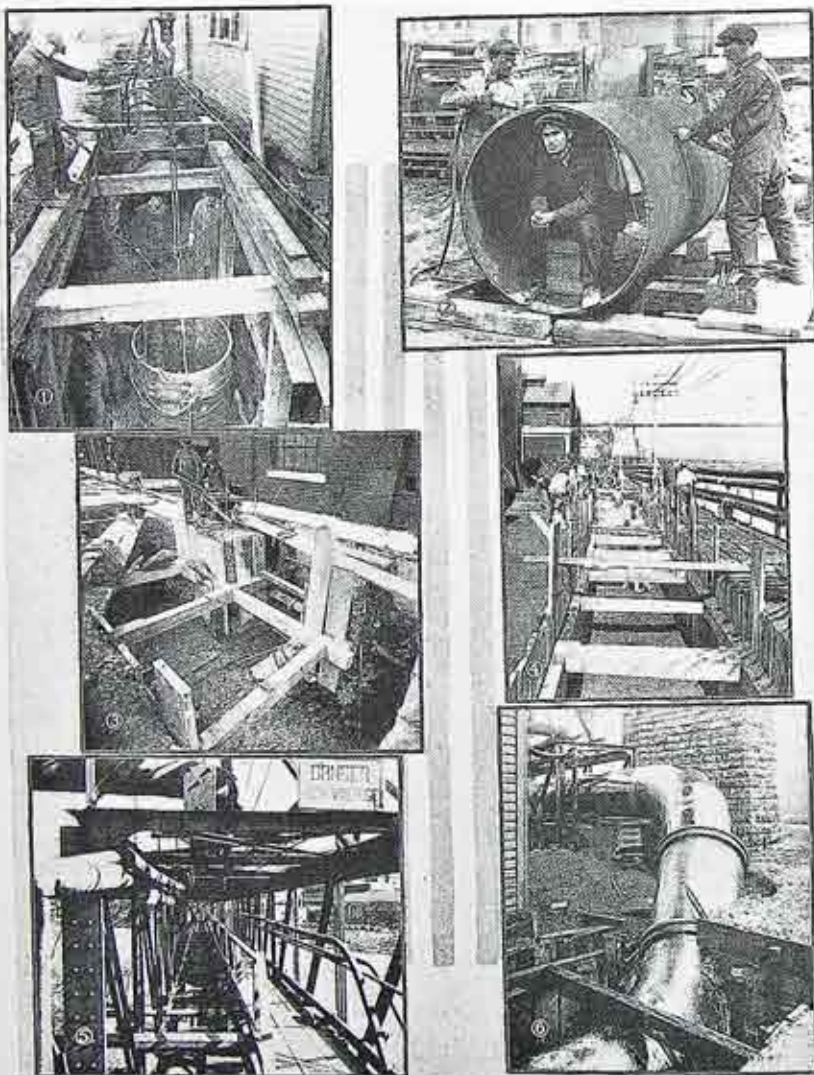
ground and steel pipe above ground. The cast iron pipe was made according to American Gas Association specifications by the U. S. Cast Iron Company of Pittsburgh, Pa. It came in standard 12-foot lengths, bell and spigot type. This pipe is $1\frac{1}{4}$ inches thick and each length weighs about four tons. The steel pipe was fabricated in the shops of the Steere Engineering Company of Detroit, Mich., and was made from 5/16 inch sheet steel, rolled and electrically welded in the shop. The field welding was expedited by the use of a slip joint designed and built by the Steere Engineering Company. This is similar to the bell and spigot type and allows of easy alignment of heavy lengths of steel pipe. The special steel shapes and fittings required at the condenser, washbox and relief holder were also supplied by the Steere Engineering Company.

The most unusual fitting of all is shown in figure No. 8.

Four 48-inch Cast Iron valves are installed on this pipe line—three at the condenser near the set and one at the relief holder. These flanged gate valves with rising stems weigh four tons each and were supplied by the

Western Gas Construction Company. Actual trench excavation started at East Station March 6 and the entire pipe line was completed early in the summer. We were able to do considerable work without the necessity for

shoring before the frost left the ground but later it became necessary to stay the trench as shown in Numbers 3 and 4. Chain falls suspended from a breast derrick were used in handling and lowering the pipe into place.



Typical Views of the 48-in. Pipe Line Construction

1—Installing a Drip at East Station. 2—Section of 48-in. Pipe. 3—Obstacles Encountered at West Station. 4—Shoring Used in Soft Ground. 5—Pipe Bridge with Expansion Rollers. 6—Pipe Bend at East End of Bridge.

Bearing blocks, shims, and wedges were used as indicated in Number 1 & 3. The joints were made up of yarn and lead wool carefully calked in place by pneumatic tools. Each joint contains about 140 lbs. of lead and 3 lbs. of yarn.

These pneumatic tools are now a regular part of Company equipment they saved much unnecessary time, and labor and needless inconvenience on this particular job. These caulking hammers, pavement breaking tools and trench digging equipment did much to speed the progress of the work and maintain a certain well defined uniformity of workmanship always to be desired.

To handle the condensation in this gas line four drips were provided, one near the condenser at the set, one at each end of the bridge and one old drip at the relief holder. The new drips were made by extending the outlet from a 48-inch tee downward to a depth of 9 feet. A small steam piston pump was mounted above ground for pumping the drips at regular intervals. The pipe was carefully graded so that all moisture and condensations would drain to these pumps.

In cold weather the temperature of this line may fall to zero and in summer it may be well above 100° Fahrenheit. Accordingly, special attention was given the possible expansion of this long line. Several 45 degree bends were used in the underground pipe and on the long steel pipe span across

the river a special expansion joint as shown in figure Number 9 was built. This expansion joint provides for a maximum movement of nine inches. Expansion rollers were provided on the

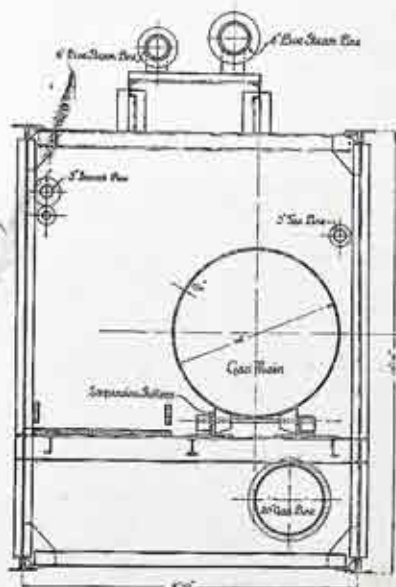


Fig. 2—Section of Bridge Showing Bearing of 48-in. Pipe on the Expansion Rollers.

bridge so that no undue strain is put on the bridge or pipe line when movement due to temperature changes takes place.

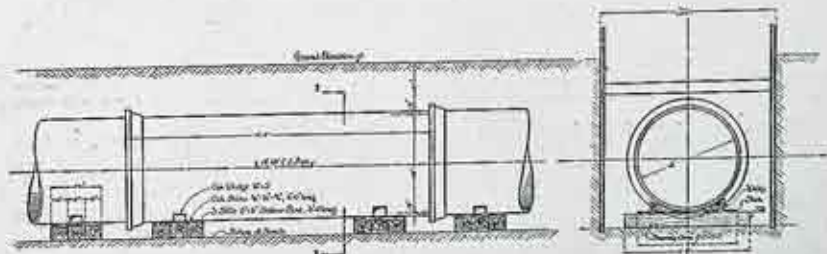


Fig. 3—Elevation and Section of Cast Iron Pipe in the Trench.

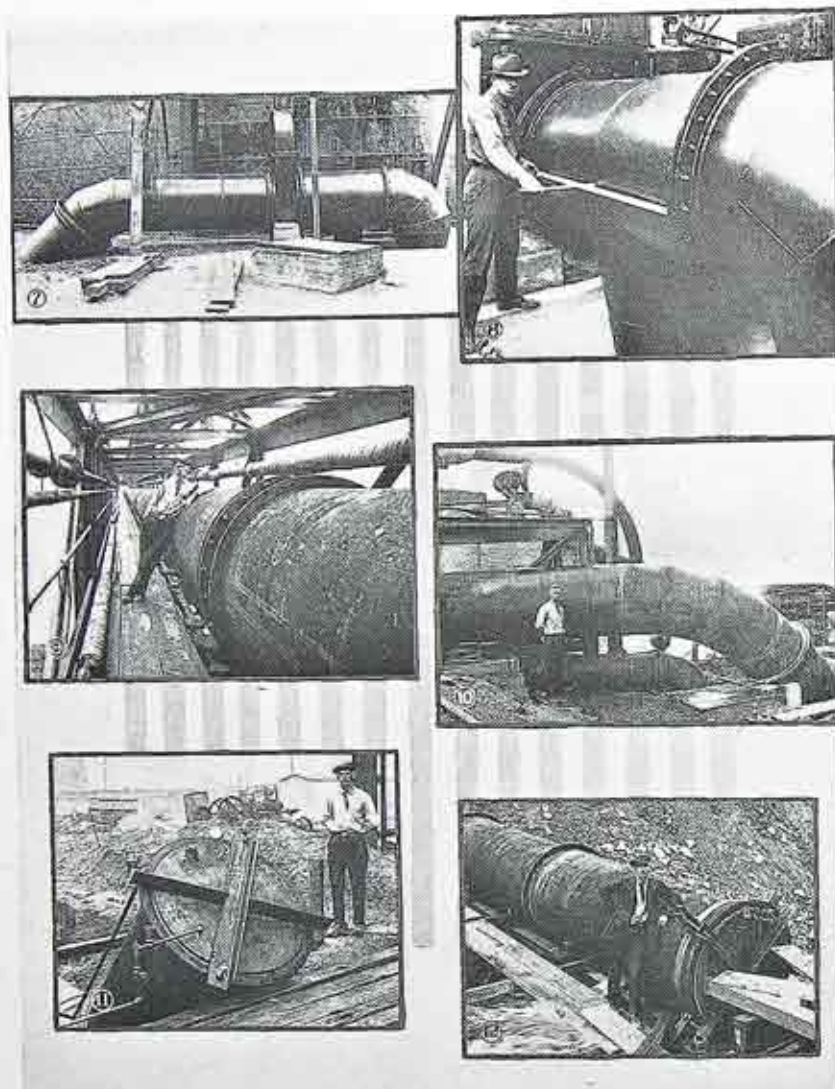


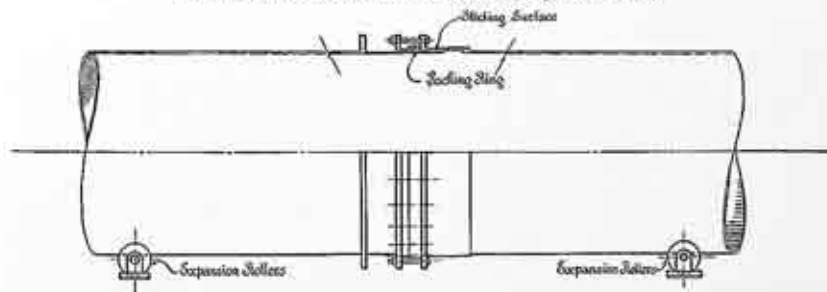
Fig. 4: Typical Views of the 48-inch Pipe Line Construction: 7—48-inch Valve Pipe Construction to Relief Holder. 8—Unusual Fitting at Relief Holder. 9—Expansion Joint at Middle of Bridge. 10—Pipe Bend at West End of Bridge. 11 & 12—Blank Ends Used for Testing Pipe.

This forty-eight inch line is by far the largest diameter pipe line to be installed in Rochester or vicinity. Early in the season considerable thought was given to the advisability of securing for this job some construction men from New York who had had special experience in pipe

work of this size. However, it was decided to carry on the work with the company's own forces and accordingly it was divided between the Gas Street and the General Construction Departments. The actual construction was ably handled under the direction of Mr. Walter Van Epps of the

Gas Street Department and Messrs. large size of the pipe and the local Bond, Klink and Doane of the General Construction Department. The problems encountered made for a very interesting construction job.

Fig. 4: Sketch showing Construction of Expansion Joint



Company Bowling League Launched

OCTOBER 25th marked the opening of the Gas and Electric Bowling League, enough men having been signed up to form four teams. The men in this league are all Company employees of various Andrews Street departments and their initial enthusiasm indicates a healthy interest in this fine sport.

Among the features of "opening night" may be mentioned the astounding sharpshooting of one "Si" Perkins and the wonderful staying powers of Jack Logan. "Bullet" Cahill and "Cannon Ball" Curtis, (these nicknames may be taken literally, bowleggorically speaking) are apparently trying to see which can break the most pins this season and "Lorry" Pierce says, "If I ever get out of the 150 class, watch me."

The standing of the teams and individual averages earned thus far is given below:

	Won	Lost
Gas	4	2
Electric	4	2
Distribution	2	4
Coke	2	4

INDIVIDUAL AVERAGES

Name	Games	Average	Total
Fichtner	6	191	1146

Winterroth	6	182.1	1095
Haines	2	172	344
Curtis	6	171.4	1030
Cahill	6	161.2	968
Wilhams	6	160.5	965
Delaney	6	155.3	933
Pierce	6	153.2	917
Millbrandt	6	150.5	905
Dutton	3	150	450
Vogler	3	146.2	440
Casey	2	145	290
Shaver	3	143.2	431
Kling	6	142.4	856
Perkins	3	133.1	400
Harned	6	133	798
Spall	6	132.5	797
Bruman	3	130.1	391
Davis	3	129.1	388
Jennejohn	6	128.2	770
Gysel	3	128	384
Palmer	6	125.3	753
Logan	3	116	348

The games in this league are held every Thursday evening at the alleys of Carbonneau & Heinze on State St. just across from the car barns of the New York State Railways. Drop in some bowling night, and see your fellow employees in action. Admission is free, and according to Carl Winterroth, it is well worth the money.

Vulcan Hotel Ranges at the Colonnade Cafeteria

BERT B. YEOMANS

THE Colonnade Company, 50 Main Street West, located on the seventh floor of the Duffy Powers Company Building, purchased recently from this Company through its local manager, Mr. C. E. Wilson, four sections of No. 1751 Vulcan Red Hot Top Hotel Ranges and two No. 762 Vulcan Bake Ovens. These appliances displace all coal equipment in the kitchen. This Company has its main offices in Cleveland and cafeterias in Buffalo, Cincinnati, Detroit, Louisville, Newark, N. J., New York City and Pittsburgh.

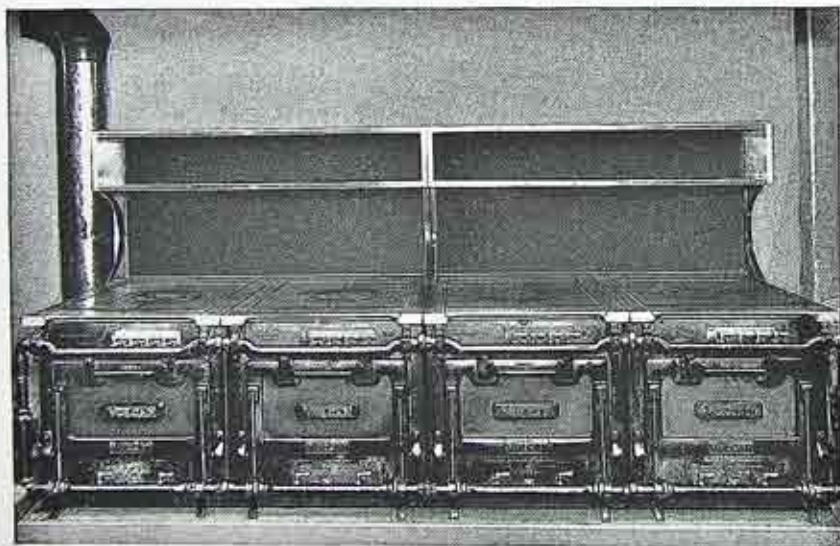
Gas in this particular instance is the ideal fuel due to the kitchen's location which is on the seventh floor of the Duffy Powers Building. In the use of gas, the cost of coal delivered to the seventh floor and also the removal of ashes are eliminated. The

very valuable floor space, formerly used for coal storage and ash cans, is available for other use.

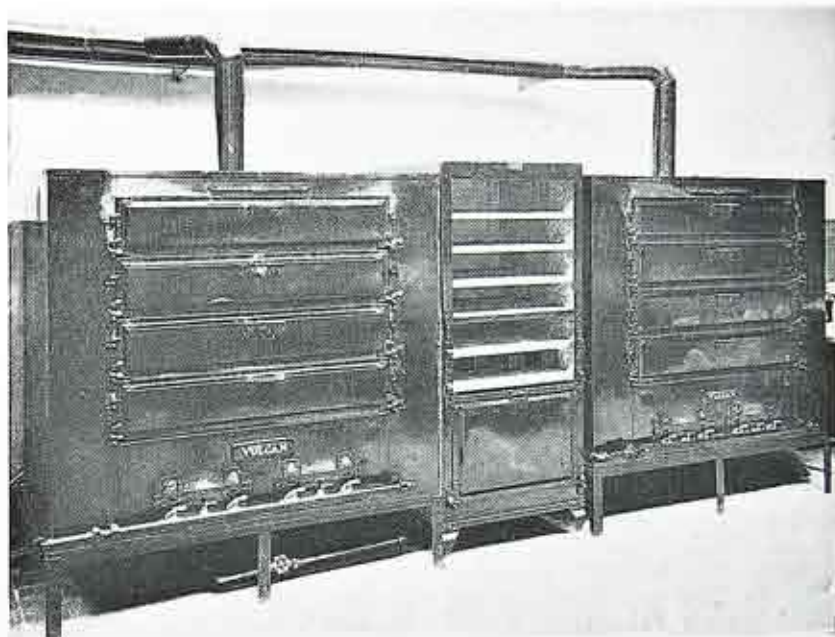
This change-over to gas will reduce repair bills to a minimum and will also save investment in ash cans. These ranges have been in operation for a period of six weeks and have proved very satisfactory to Mr. Wilson, both as to cost of operation and service rendered.

The Colonnade Cafeteria serves hundreds of people daily. Its food is excellent and the prices are moderate, making it very popular with its many patrons. The kitchen is equipped with the latest modern appliances and the management invites its patrons to inspect it at any time.

As it was necessary to make this change-over from coal to gas without



Vulcan Red Hot Top Hotel Ranges in use at the Colonnade Cafeteria



Two Vulcan Bake Ovens which are proving so satisfactory at the Colonnade

interfering with service in any manner, it might be interesting to say a word about how it was done. As the only available gas supply was in the basement, it was necessary to carry a 2½-inch fuel line to the seventh floor. In order to make this installation it was necessary to run it across the basement of Duffy Powers Company to a point beside the elevators. Through the kindness of the plumbers who had previously run a water line up to the sixth floor, we were able to follow this pipe which saved the cutting of extra holes through the var-

ious floors. Mr. A. W. Ackerman, Store Manager, co-operated and permitted us to run this piping during business hours with the understanding that we were at no time to interfere with customers. This was done without a complaint, and I feel that our men who did this work should be highly commended. This piping was finished Saturday and the change over of ranges and bake ovens was completed on Sunday ready for use Monday morning without any interruption to service.

Pulverized Fuel Boiler Tests

THE pulverized fuel boiler at Station 3 is showing very good test results. Combustion Engineer Spellman, and operators DeWitt, Pasgrove and Keller are co-operating to increase the efficiency of this modern equipment for steam generation.

During the first test which lasted from November 20 to 24, an average efficiency of 77% was maintained with a correspondingly high evaporation rate. The second test, it is expected, will show even better results.

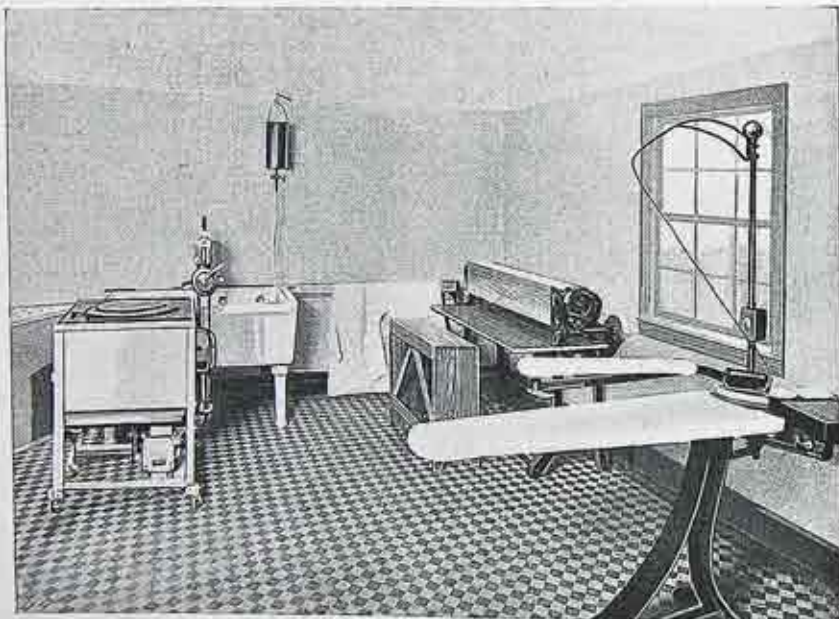
Food for thought concerning Electric Washing Machines

EMPLLOYEES of the Company because of their familiarity with its wonderful modern electric operating plants more often associate electric energy with its gigantic engineering feats or accomplishments. There is, however, a more humble sphere where its usefulness is none the less appreciated; that sphere is the home. Last month we told of the wonderful service provided, through electricity, by the electric cleaner which has gained such popularity of recent years. The electric washing machine is of equal importance in the race for service in the home and we shall say a few words for it.

The electric washer gives an excellent account of itself in thousands of homes. Last year a census of such machines showed that there are over

three million of them used in the United States. Is it any wonder, then, that Mondays have ceased being days of drudgery for housewives and have now become perfectly enjoyable average days of the week. Their alleged former 'blueness' has given over to the rosy hues of better health, more optimism, pleasanter, more enjoyable and more efficient work. Monday is now a 'regular' day, thanks to electricity.

The woman of the house takes great pride in looking after the washable clothing or fabrics required for the needs of her family unit, often making many of them and quite generally washing them with her own hands, at least those more or less destructible garments, children's clothing, linens or lingers dear to feminine hearts. Is it any wonder



A Fine Modern Home Laundry fortified against fatigue by a Battery of Electric Current Consuming Devices. Is your Laundry as attractive as this one?

then, that mothers should scold when such articles receive anything but the best of attention in the process of laundering. This is why the tried-and-true family washwoman and laundress was so long considered such a prize, also why mother herself often persisted in buckling in on Monday morning and overdoing, in a frantic effort to conserve such portions of the family wardrobe as required weekly attention. Steam baths may be beneficial, but the kind received over a tub of boiling clothes on Monday is not the sort to drive away the furrows of care, and it is problematical whether mothers and wives ever saved anything thereby at all commensurate with their efforts when the destructiveness to health and spirits of old-time washdays is considered.

We did not, however, start out to flag the hardships of old-fashioned washdays, they are well known, so let us mention some of the many benefits that come to users of modern electric washing machines. The entire process of washing is simplified by them. After the hot water has been run into the cylinder of the machine, the lid is clamped down and the conveniently located electric switch turned on. The machine then begins to do your washing. It doesn't use its contents roughly as the old washboards used to do when grinding out the family wash, but gently lifts them and rolls them and coaxes out the dirt, it uses diplomacy rather than force, but it does it nevertheless to the satisfaction of the most particular laundress. Then, as the cleansing process continues, the dirt drops to the bottom of the cylinder and finally is caught in the sediment zone which keeps the water dirt-free at all times and obviates the old-time frequency of changing. This is a simple story but it tells about all there is to the process—electric washing machines cleanse the finest lingerie with the least possible friction or destruction. In like manner they wash your heavy

blankets or other cumbersome articles with the same dexterity, and while the little kilowatts are performing the task very gracefully, mother may occupy her time to good advantage along other lines. Of course, the electric wringer helps complete the work so simply begun, and a week's washing may be done in an hour at a cost of about one and three-fourths cents. Pretty soft for mother nowadays, isn't it.

Modern electric washers are made exceptionally durable, are mounted on large casters that permits of easy movements from tub to tub in the laundry and are finished to successfully combat any possibility of rusting. They are as easy to keep clean as an ordinary porcelain bath tub and drain themselves also without the necessity of tipping.

The electric motors on modern washing machines are proved units, generally with noiseless worm gear reduction features, the gears running in oil which obviates the necessity for hand oiling or numerous grease cups. The operating levers are easy of control and very accessible and throughout the mechanism of these machines great attention has been paid by manufacturers to the element of personal safety. They are built to give a lifetime of service, are electrically protected against overloads, are economical to operate, savers of time, labor and money, and insure longer usefulness to the linens, lingerie, and lives of those who own them. They may be paid for with money they save while being used.

We believe that electric washers are among the greatest appliances ever produced for the home, but of course electricity does not stop there, it goes merrily on to other wonderful appliances. It delights in making them work for you that your time and money may be spent on still other essential home requirements. Next month we shall speak of the electric ironer as an asset to the home.

Customer Profit Sharing

WILLIAM C. GOSNELL

THE constant growth of Rochester and the corresponding growth of the Rochester Gas and Electric Corporation calls for the continuous investment of new capital in the properties that it may be able to supply the growing demands for service. This same condition prevails in every growing community, making it necessary for the public utility companies who would keep abreast of the times to obtain funds for extensions, enlargements and improvements at frequent intervals. This means organizations serving growing communities have securities for sale.

The purpose of the "customer-ownership" movement is to offer securities to the customers of the company and to other local residents so that the people of the communities served may be given the opportunity to become profit-sharing partners in the business. Thus the money that must be paid for the use of capital, instead of being paid to "outside" capital is paid to "home" capital. It remains right in the community to continue to work for the good of the community instead of being sent abroad. It is conservatively estimated that over 1,500,000 investors have purchased and now own the securities of electric light and power companies. More than \$300,000,000 of public funds in the hands of life insurance companies and \$1,700,000,000 of bank funds are invested in these properties. Thus it is evident that the general investing public holds public utility investments in high esteem.

Under the customer-ownership plan the people of a community invest their money in property at home where the character of the management and the business is known. Instead of going into spec-

ulative schemes or to build up some outside business, the money of the people goes into the development of the community where they live and the earnings from the investment stay at home. Thus the people have a direct financial interest in a company that serves them, a reliable and satisfactory investment, and good utility service made so by skillful, economical management of the property by men who have put their lives into the business and know how to run it.

In an address before the 45th Convention of the National Electric Light Association at Atlantic City some weeks since Mr. Haley Fiske, President of the Metropolitan Life Insurance Company, said in part that "Life Insurance Companies do not speculate. They make investments to keep.

"The development of American commerce, the opening of new territory, the inter-communication which is the chief element of modern civilization were largely produced by life insurance funds. There can be no doubt that light and power distribution is a most important element in our life. In following out our principles of investment, there should be a promising future for capital investments in light and power companies.

"I am here to advocate that these investments shall be studied by the management of life insurance companies, for a great service to community life can be rendered by furnishing needed capital on the principle and practices I have described."

Such statements show that the most conservative of all business organizations, viz., Life Insurance Companies, consider that public utility securities contain all the necessary elements of safety.

A Regular New-fashioned Christmas

A NOVELECTRIC AS TOLD TO

HELEN A. SMITH

"WE have decided to spend Christmas at home this year. At least, I decided. It has been the time-honored custom in our family to accept one of the invitations to journey miles into the country for the holidays. Understand I don't object to the country as an institution and there are many people who like to live there or thereabouts. But I am not one of those people, at least, until I can have electricity in my country home.

I'm not used to wood stoves and when at Grandmother's always am drafted to use them. I walk miles across big kitchens. When it is finally time to eat I am too worn out to enjoy anything. So as I said I have decided to be comfortable, at home, this Christmas.

No doubt, I'm getting old, but after last year I declared that never again would anybody get me out of my convenient home for any holiday. Let me tell you about that.

Last year we had agreed to have an electrical Christmas and all the important presents were things that we had wanted for ages but never got for ourselves. The children gave their Dad a thing-a-bob to light his cigar. Thank Heaven for that—now I can keep matches in the house. I got him a drink mixer—I do like egg nogs before going to bed.

Grandmother wanted one of those round heaters. She says she doesn't

enjoy the heat unless she can see where it comes from. We also gave her a heating pad to keep her feet warm. The children, of course, had electrically operated toys. Friend husband sent the poor kids to bed early for a week so that he could be sure that all the signals operated on the trains and that the little range actually cooked food. He had a wonderful time.

As for myself there was one particular spot in the living room that cried aloud for one particular lamp, so I went down and bought my own present. It's a beauty with the bottom part like a vase. The light's so soft and pretty.

We left all these things but

the toys and started on the trip. Those stupid children of mine would not be convinced that the location had anything to do with running trains. We were greeted by a heavy snow storm and Grandmother, poor thing, almost froze. Everything was wrong. The kitchen seemed larger than ever and the fire slower. The terrible infants were reluctantly persuaded that it would take electricity to make their world go around that day and were as a result very much upset. Our main support did his best to keep up the family's morale, but even he faltered.

Now you know why I am saying that we have decided to spend Christmas at home this year. (I hope I get an electric ironer.)"



It's Nice to be home Christmas Morning

GAS and ELECTRIC NEWS

ROCHESTER GAS & ELECTRIC CORPORATION
34 Clinton Ave. N., Rochester, N. Y.

FLOYD MASON :: :: :: :: Editor
Employment and Claim Department

Department Correspondence Staff

EDWARD A. ROESER :: Industrial Sales
JOSEPH P. MACSWEENEY :: Domestic Sales
C. KARLTON MILLER :: Electric Generation
HENRY A. DAVIS :: Electric Distribution
WILLIAM H. EARLE :: Gas Manufacture
WADSWORTH C. SYKES :: Gas Distribution
FREDERICK H. PATTERSON :: Auditing
HOWARD HARDING :: Engineering
RAYMOND FLAHERTY :: Electric Construction
GEORGE B. HISTED :: General Construction
MISS FLORENCE FREER, *Household Suggestion*
(Home Economics Bureau, Chamber of Commerce)

Material may be copied provided credit is given

Vol. 11 December, 1923 No. 6

No man who is unsuccessful at home can be a true success anywhere else. The place to be popular first of all is where one lives. The next place is where one works. —Selected

Christmas Reflections

FOR the past few weeks Grandma has been busy knitting, mother and sister have been fashioning wonderful bits of "fancy work," there seems to have been a contagious inclination on the part of all members of the household to come in evenings well loaded with bundles, a particular closet door has been kept locked and otherwise enshrouded in an air of mystery, father has received numerous appeals for checks and has generally "come across" with rather unwonted gracefulness, and the children have been openly voicing their faith in a very munificent Santa Claus. What does it all mean? Well, we guess everybody knows that it is Christmas again and that these manifestations are but signs of the times.

But the home is only one sphere where unusual activity and Christmas atmosphere prevails. It is evi-

dent on bill boards and electric signs, in stores and show windows, in newspaper and magazine advertisements and stories, as well as in hundreds of other places, where the printed word and colorful appeals to our artistic sense, make us aware of the nearness of this most universally celebrated holiday.

One may have Christmas in his heart, of course, without all these external reminders, nevertheless, who is there who will not agree that they increase the ardor of our holiday spirit. Perhaps a small boy would fully appreciate a circus held in an open lot with no "big top," no tinsel and no fine trappings, fancy wagons, or bright lights, but we doubt it. And just as a circus is more alluring at night, when the lights are on, so is a Christmas tree around which the entire family gathers on Christmas morning—more attractive when its many ornaments are scintillating with the reflected lights from electric lamps.

Electricity provides a better and safer way than candles to illuminate Christmas trees, and makes possible many types of Christmas toys of an educational character. It also plays an important daily role nowadays throughout the entire home. It "peps" up the general household spirit on dark days and during the long winter nights. Electric appliances and devices also greatly simplify the otherwise racking burden which the holiday season places upon the women of the home generally and, finally, electricity offers an endless vehicle for the utilization of a broad selection of practical Christmas gifts which the entire household may enjoy the year 'round. Thus, it helps to spread the Christmas spirit over the entire year.

Illumination provided one of the outstanding features in the setting of the first Christmas day, nearly 2,000 years ago when the Star of

Bethlehem pointed the way to a humble manger. Today, we believe, electricity points the way to more enjoyable and happier homes, homes in which darkness and drudgery may be satisfactorily eliminated. By doing this, then, does it not exemplify the precepts of the one whose birthday we celebrate at Christmas, one who is sometimes called the Light of the World.

We wish you all a very Merry Christmas.

Playing on the Scrub

OVER the grave of Dr. David T. Hanson, physician, soldier, athlete, who fell trying to serve a French comrade on the battlefield, college mates have erected a monument which bears this simple inscription:

"He played four years on the scrub. He never quit."

If one possesses even rudimentary knowledge of college football, he must know the great qualities required of one who plays on the scrub for four years and never quits. With no hope of personal glory, with no chance to pose on the front line, with no publicity and no glamor, he plugged along, working on a team that merely helped, by contrast, to disclose the glory of the regulars.

Yet, if there were no scrub, how would the varsity get its practice? How would it learn to face its opponent if it never faced a strong scrub? And how shall there be a scrub, unless eleven men are willing to be unknown, obscure heroes?

There are a bunch of us playing on the scrub. Most of us never will get into the big game. Fate or something else decrees that we remain in the squad that gives the "big team" its real training, and makes it quick and efficient and masterful. Fame will never trumpet the names of most of us. But the fact there is no renown in it does not signify that the men on

the scrub are useless or insignificant. The real progress of the world is made by these pluggers, who day in and day out dismiss hopes for fame, and get down to the disagreeable task and hard work of the greater good for the greater number. —Exchange

Stoop a Little

BEN FRANKLIN was a tall youth, and none too humble. He entered the home of Cotton Mather one day and bumped his head against a ceiling beam. Said Mather, with significant inflection, "Stoop a little as you go through life, Benjamin, it will save you many a hard knock." Franklin took the hint. He became one of the most humble seekers after the knowledge of how to live. Out of that humility came his strength.

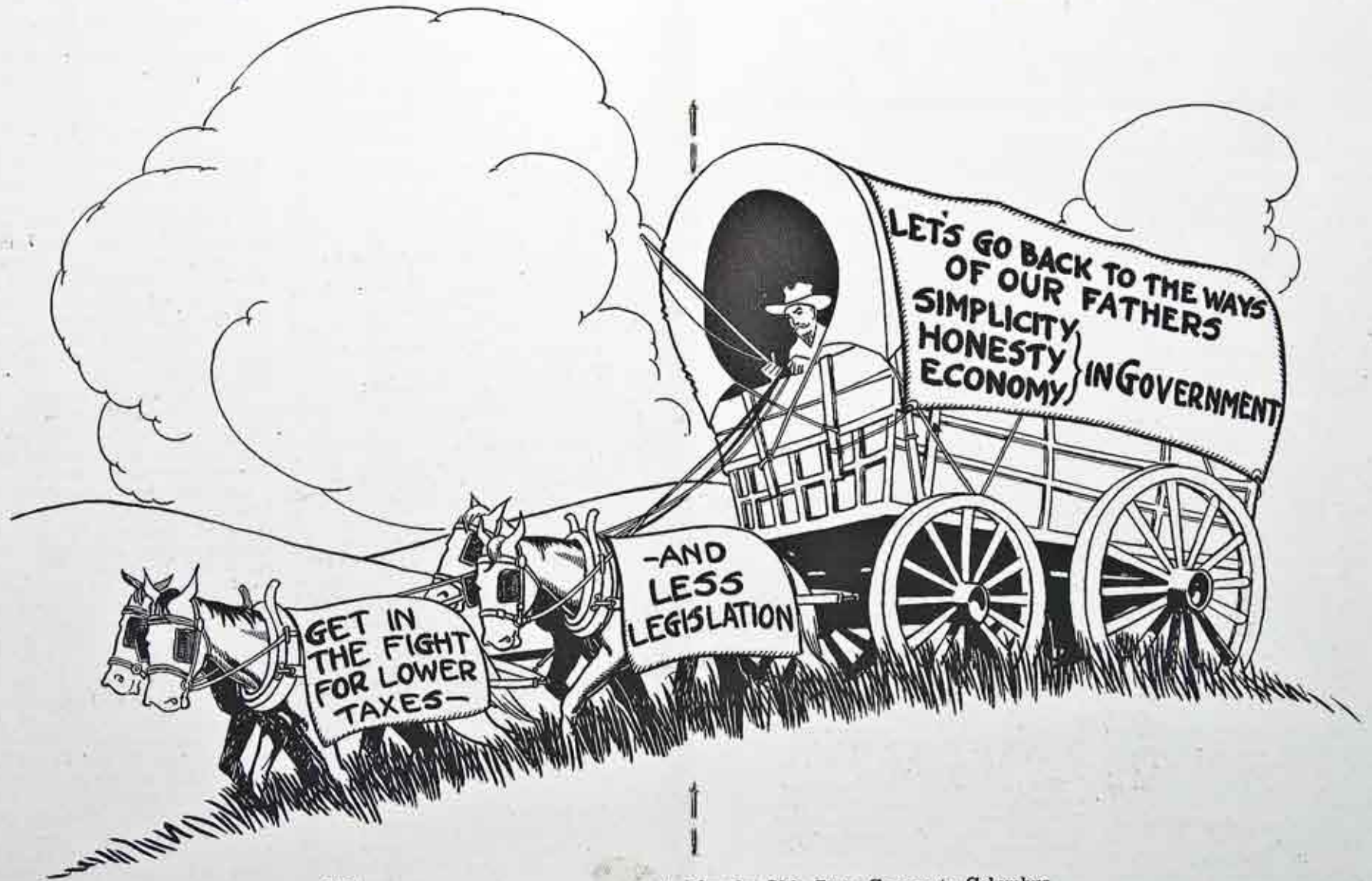
Rudyard Kipling wrote a poem called "Recessional". It did not seem good to him. He threw it in the wastebasket whence it was rescued by his wife and given to the world.

Gladstone was a great Prime Minister of one of the greatest empires of the world. Yet he said "No one knows how like a worm I feel when I face the House of Commons." His honest humility sounds a lot like Lincoln's famous comment. "I did not control events, but events controlled me."

As we read the records of the past we find that the giants of old were humble. Moses deprecated the idea that he was fit to lead his people out of slavery. "I cannot talk," he said. Jeremiah protested against the mission that faced him. He said, "I am but a child." While one whose goodness is the perpetual inspiration of the world said, "Why callest thou me good, there is none good save God."

Pride is the weakest thing in the world and humility the strongest. Power is born in a sense of personal inadequacy. Stoop a little as you go through life, it will save hard knocks and earn large rewards. Selected

WATCH FOR THE WAGON!



This movement and wagons were started by the Ohio State Grange to Columbus, en route to Washington, December 5, 1923



Some Excellent Holiday Candies and Confections

HOLIDAY candies which will delight every member of the family can be made very simply at home. Candies may be prepared two or three weeks in advance of any occasion and packed away in tightly covered tin boxes or glass jars until ready for use.

A delightful box which will be appreciated by the person who is not allowed much sugar in his diet can be arranged with salted nuts and gaily colored Turkish pastes, divided with cardboard partitions and attractively tied up.

The children will be delighted with sandpails filled with delicious popcorn balls, chocolate-covered animal crackers, or lollipops. Paper cups may be covered with bright paper and a handle of ribbon or string, make a satisfactory substitute for the sandpails, when filled with pure harmless candies.

A candy thermometer will greatly assist the housewife, as the temperature to which the various candies should be boiled, is probably more important than any one other feature of candymaking. If it is not possible to have a thermometer, the cold water test is a very satisfactory substitute.

You will enjoy trying the accompanying recipes:—

Chocolate Dipping

Shave dipping chocolate and melt over hot, not boiling water. Beat the melted chocolate until it feels slightly cooler than the hand. Put the bonbon or the candy to be coated on the end of a fork or a candy dipper and dip it into the chocolate, lift it out, drain and place on

oiled paper in a cool place. The temperature of the room should be about 65 degrees F. Beat the chocolate after each dipping. If the chocolate becomes too cool, it may be reheated.

Caramels

1 c sugar
3/8 c glucose or corn sirup
1 c cream
1/4 c butter (may be omitted)
1/2 tsp. vanilla

Mix sugar, the glucose, the butter and one-half of the cream. Stir over heat until mixture boils. Add remainder of the cream. Boil it to 122 degrees C., stirring frequently and remove it from the fire when it begins to go to 123 degrees C. Beat in the vanilla. Pour into well-buttered shallow pans, cool and cut in squares.

Variations

Nut Caramels: Add 3/4 c of chopped nut meats.
Chocolate Caramels: Add one square of melted chocolate.

Parisian Sweets

1 lb. figs
1 lb. dates
1 lb. Eng. walnuts
Confectioners' sugar
Pick over and remove stems from figs and stones from dates. Mix fruit with walnut meats and force through a meat chopper. Work, using the hands, on a board dredged with confectioners' sugar for dredging board and pin. Shape with small round cutter, first dipped in sugar, or cut with sharp knife in 3/4 inch squares. Roll each piece in confectioners' sugar and shake to remove superfluous sugar. Pack in layers in a tin box, putting paper between each layer. These confections may be used at dinner in place of bonbons or ginger chips. A combination of nut meats (walnut, almond and filbert) may be used in equal proportions.

Spiced Raisins

1 c raisins
1-1/2 c sugar
1 c water
1-1/2 tsp cinnamon
1/4 tsp. ginger
Ground cloves—1/2 tsp

Sugar for rolling raisins

Make a syrup of sugar, water and spices, cooking until mixture spins a thread. Add raisins and cook slowly ten minutes, stirring occasionally to keep mixture from burning. Remove raisins, drain and roll in sugar. Have each well coated with sugar, add spice if the flavor is desired; it is added to sugar in which raisins are rolled.

Turkish Delight

1 ounce gelatine
1/2 c cold water
1 bl. granulated sugar
Juice one orange
Juice one lemon
1 tbsp rum

1/2 c boiling water
Grated rind one orange
Red coloring
1/2 c chopped nut meats

Break gelatine in pieces, add cold water, cover and let soak two hours. Put sugar and boiling water in saucepan, bring to boiling point, add gelatine and let simmer twenty minutes. Add flavorings and coloring, strain add nut meats and turn into a bread pan (first rinsed with cold water) to one inch in depth. Let stand until cold, remove to board, cut in cubes and roll in confectioners' sugar. The rum and nut meats may be omitted.

Turkish Mint Paste

3 tbsp. granulated gelatine
1/2 c cold water
2 c sugar
1/2 c cold water
2 tbsp lemon juice
4 tbsp Creme de Menthe
Few grains salt
Green coloring

Soak gelatine in water twenty minutes. Put sugar and water in saucepan, bring to boiling point, add gelatine and let simmer twenty minutes. Remove from fire, add remaining ingredients and color green. Turn into pan (first rinsed in cold water) to one inch in thickness. Cool remove to board, cut in cubes and roll in confectioners' sugar.

Salted Almonds

Put one cup almonds in saucepan, cover with boiling water and let stand six minutes. Drain and remove skins. Put one third cup olive oil in omelet pan, and when hot put in one third of the nuts and fry until delicately browned, stirring constantly. Remove to pan lined with soft paper, taking up as little oil as possible, and sprinkle with salt; repeat until all are fried.

Apricot Candies

Dried apricots, 3/4 cup
Cocoanut, 3/4 cupful
Grated lemon rind, 1 tsp.
Lemon juice, 1 tbsp
Nut meats, 1/2 cupful
Grated orange rind, 1/2 tsp.

Wash apricots thoroughly and put through the food chopper with the cocoanut and nuts. Add lemon juice, orange rind and lemon rind. Knead well. Roll out on a sugared board to a quarter inch in thickness. Cut into squares and sprinkle with confectioners' sugar. Yield: sixty squares.

Bitter Sweets

Melt bitter sweet chocolate, made from half bitter chocolate and half sweet chocolate. Beat well. Into this dip nuts or sweet fruits and place on oiled paper to dry.

Candied Orange Peel

Soak orange peel in cold water over night. Drain it. Put in a sauce pan, cover it with water and cook it until tender. Drain it, reserving the water in which it was cooked for making sirup. Remove the white part from the orange peel. Make a sirup using equal parts orange water and sugar. Cover with the sirup, the orange peel and cook slowly until it is transparent. Remove the orange peel and drain it. Dip in granulated sugar and store in a covered jar.

Stray Thoughts

Ruskin says we can live without pictures but we can't live as well.

When you put flowers in water, remove the leaves which come below the water line, and the flowers will stay fresh much longer.

It is no longer a mark of hospitality to overload the table.

Good magazines stored in the attic do no one any good. If passed on while still reasonably fresh, two families can benefit.

The Jam Closet is just full of Christmas presents. All the little jars need is a tissue paper wrapper and a bit of bright ribbon.

The Childhood shows the man—As morning shows the day—Milton.

Apartment Furniture

Massive furniture completely dwarfs small rooms. A few good willow chairs are much better and cheaper than are heavy, stuffy ones. One big wing-arm chair covered with linen, chintz or dull toned corduroy is the only big chair that most living rooms of apartments of ordinary size need. A willow chair with a basket pocket for sewing materials or magazines, maybe a willow rocker, a few straight chairs and possibly a comfortable couch, are enough for a pleasant room. Windsor or rush-bottom chairs are the best for a simple diningroom. The small bedrooms should, of course, be papered or painted in some plain, soft color. Gay chintzes in furnishings may be used to brighten the rooms. It is well to use these small rooms only for sleeping and dressing.

Apartment halls are generally long, narrow and uninteresting, and are not the place for furniture. A hall may stand a small table near the front door, a tile for umbrellas, and a mirror, but that's all. Above all, knickknacks, and all useless articles should be left out of small apartments.



Elec. Generation and Distribution



Operating Notes, Installations and Extensions

THE new turbine room at Station Three which houses the new unit No. 7, is receiving a coat of paint and being made, in general, very presentable. This space which was formerly occupied by the storage batteries, makes a fine turbine room, affording plenty of room around the new unit, and is also well lighted and accessible from the main turbine floor. The arrangement of the condenser pit, together with removable floor slabs and an overhead traveling crane makes for maximum accessibility to the turbine for repairs at any time.

One of the large 5000 K. V. A. lowering transformers at Station 35 has been moved several feet. The Edison Rotary transformers will be moved next and work will then commence on extending the new 11,000-volt bus structure.

Station 37 (Lincoln Park) is now about ready for operation, and as soon as work is finished on the two tie line switches at Station 35, it will be cut in on the system through the latter station.

Plans have been made to care for the lighting of Charlotte and lower Lake Avenue through Station 36 which will eliminate from Station 5 two service lighting circuits, and make the third 20-K.W. circuit from the new substation in the twenty-third ward.

Circuit 356 from the Lincoln Park substation has been cut in temporarily on circuit 359 to relieve circuit No. 329 from Station 35 and permit of better voltage on Thurston Road

and vicinity. All of the Company's new substations, with the exception of Station 38 have been cut in and are functioning at the present time. Six Edison feeders, however, are running already from the one machine which is operating at Swan Street.

The Electric Distribution Department has begun surveying and other preliminary work in connection with the extension of Company service to Mendon, N. Y. This line will be a three-phase, 4150-volt line, with a substation located at Fishers where the Canandaigua line will be tapped.

Mr. Fiedler has recently been working on an extension of the Penfield 4150-volt line which will be constructed soon to distribute Company electrical energy to East Penfield and vicinity.

Mr. Davidson, of the Electric Distribution Department has been in charge of the rearrangement of the Edison feeders on the new street and subway.

Following its policy of protecting its drivers from the elements, the Company has begun the work of placing cabs on the twelve trucks used by the Line and Underground Departments.

The Company is gradually getting rid of its 4-ampere arc circuits and replacing them with 6.6-ampere circuits for street lighting and incandescent lamps in residential districts.

Mr. Gardner, of the Electric Distribution office has completed a set of standard overhead construction drawings, a copy of which will be given to each gang foreman employed by the Company as well as to con-

tractors doing work for it. This series of drawings is the result of painstaking tests and will do much to simplify and accelerate Company construction in this Department. The books of drawings supplied have been bound in aluminum binders and present a very attractive appearance and are constructed durably enough to withstand hard outdoor usage.

The street lights on East Main Street, from University Avenue to Railroad Street were recently changed over from 4 amperes to 6.6 amperes, which will give this section of Rochester's main thoroughfare nearly twice as much lighting as before. This strip was the only section left having the lower amperage, the greater part of Main Street having been changed over some time ago. On North Street, from Main Street to Hartford Street, the lighting system has been changed over as well from 4 amperes to 6.6 amperes.

Mr. George Swarthout was at Mt. Morris recently supervising the in-

stallation of ten iron lamp poles for the 400 candle-power lamps that are to be used there. These lamps are the same type as those used on Main Street, Canandaigua, N. Y. There will be eventually forty-three of these lamps in Mt. Morris. About 900 feet of underground system for lighting has been installed to date. This will be gradually increased with the idea in view of getting all the wiring in the downtown section eventually underground.

Recent installations of Class O lamps are as follows: five on Calumet Street, between Park Avenue and Harvard Street; thirteen on Bedford Street, and eleven on Harding Road.

The Line Dispatchers Office and the Right-of-Way Department are now located in the new headquarters in the Stewart building which the Company purchased some time ago. This new arrangement permits of needed increased space and brings together on the same floor departments which were formerly separated.



Sales



THE Hotel Sagamore has installed a large double deck gas-fired bake oven in its new Bakery.

John Brusse, 301 Lyell Avenue, has installed a Vulcan Bake Oven to supply his two restaurants with baked goods.

The Colonnade Company which operates the excellent Lunch Room on the seventh floor of the Duffy Powers Building, has installed four sections of Vulcan heavy duty hotel range and two large Vulcan bake ovens, dispensing with all coal in its kitchen.

The First M. E. Church has purchased one additional section of

Garland Hotel range for its Parish House.

The Schultz & Smith Company, which operates the beautiful new East Avenue Coffee Shop, has installed two sections of heavy duty Garland range, one combination broiler and toaster, one Vulcan bake oven and one Strite electric toaster.

Mrs. A. P. Bostwick, 91 East Avenue, has installed an additional section of Garland Hotel range.

Peter Benoit, 240 Webster Ave., has installed a Vulcan bake oven in his new Bakery.

The Teal Catering Company, 263 East Avenue, has installed one sec-

tion of Vulcan Hotel range, one Vulcan Bake oven and one Garland broiler.

The New Sea Shell Oyster Parlor and Sea Food House at 410 E. Main Street has installed one section of Garland Hotel range with short order section and cake griddle; also one Garland broiler and toaster.

James Williams, 101½ Bronson Avenue, manufacturer of potato chips, has purchased burners and blower to convert his equipment from coal to gas.

The Y. M. C. A. has purchased for its Main Building and branches six sections of Vulcan Hotel ranges with salamanders.



Gas Distribution



Main Extensions

THE work of installing 4,000 feet of gas main in the Bonesteel tract is well under way. This installation is of great importance to many employees of the Eastman Kodak Company who are building homes there. It is expected that at least thirty homes will be finished this winter and the Company is endeavoring to run the necessary mains and stubs to accommodate them so that their owners may receive service early in the Spring. This tract is located just off Lewiston Avenue, about one mile west of the Kodak Park plant. The service will run directly from the six-inch Lewiston Avenue main.

Approximately 2,000 feet of gas main will soon be installed in the East Avenue Estate tract, a section lying between East Avenue and the site of the Oak Hill Country Club.

Encouraging Progress in Naphthalene Stoppages

The Gas Distribution Department is greatly pleased over the noticeably decreased number of stoppages due to naphthalene in service pipes. During September, 1922, a great many such stoppages had to be relieved. On the contrary, during the same month, this year, very few

cases were reported for attention. This pleasing comparison tends to show that great strides are being made at the Gas Works and Laboratory towards the elimination of this trouble during the colder months.

New Trenching Machine and Pavement Breaker Simplify Installation of Main

SOLID rock was encountered in the necessary excavation work in the Bonesteel tract which offered a severe test to the Company's recently acquired pneumatic pavement breaker and trenching machine.

This device was used in preference to blasting and the results have been very encouraging. The air propelled pavement breaker was unusually successful in breaking through this rock and greatly simplifies and reduces the required labor. It very nicely chisels its way through the rocky trench, digging a clean-cut path and removing only such portions of rock as are absolutely necessary. Blasting, on the contrary, breaks up much more rock and performs the task in a more cumbersome way, making it necessary to handle a greatly increased quantity of stone in digging the same length of trench.



New Business				Statement of Consumers by Departments					
Net increase in Consumers in Year Ending October 31, 1923				Oct. as of October 31st.					
	Oct. 31, 1923	Oct. 31, 1922	Incr.	Oct. 31st.	Gas	Electric	Steam	Total	Incr.
Gas	86,512	83,891	2,621	1913	66133	15772	23	81928	—
Electric	57,403	46,927	10,377	1914	69654	18140	30	87824	5896
Steam	117	108	9	1915	70968	21714	39	92721	4897
				1916	75121	24782	41	99944	7223
				1917	78634	27460	51	106145	6201
				1918	79130	28881	75	108086	1941
				1919	79471	30469	75	110015	1929
				1920	81149	33976	75	115200	5185
				1921	81327	39025	100	120452	5252
				1922	83891	46927	108	130926	10474
				1923	86512	57304	117	143933	13007
	143,933	130,926	13,007						
Net Increase in Consumers by Months				E. B. A. for November, 1923					
	1921	1922	1923	Balance 1st of Month					
Incr. in January	104	489	560		\$10,177.00				
Incr. in February	28	483	672	Dues—Members	\$1,041.69				
Incr. in March	191	649	591	Dues—Company	1,041.69				
Incr. in April	528	931	1029	Fees—Members	26.00				
Incr. in May	611	977	1272	Fees—Company	26.00				
Incr. in June	270	1056	1157	Assmt. No. 56—Members	304.25				
Incr. in July	667	879	1091	Assmt. No. 56—Company	304.25				
Incr. in August	578	935	1046	Misc. Revenue	6.85				
Incr. in September	631	1176	1370	Total Receipts	\$2,750.73				
Incr. in October	780	1271	1659	Total Receipts plus Balance	\$12,927.73				
Incr. in November	738	1186		Disbursements					
Incr. in December	894	1374		Sick Benefits	814.39				
				Acc'd'ts. Off Duty Benefits	103.96				
				Acc'd'ts. On Duty Benefits	93.67				
				Death Benefit No. 56	400.00				
				Medical Examiner's Expense	1.50				
				1 Share of 6% Stock and accrued dividend	101.03				
				Total Payments	1,514.55				
				Balance on Hand	\$11,413.18				
Stock Sales, November, 1923				Membership					
	Subscribers	Shares		Members, October 31, 1923	1280				
November, 1923	84	403		Affiliated, November, 1923	42				
Total to December 1, 1923	908	3948		Terminated, November, 1923	10				
				Gain	32				
				Membership, November 30, 1923	1312				
Miscellaneous Data				Mo. of Oct. 1923					
	Oct. 31, 1923	Oct. 31, 1922	Incr.	\$260,095.20	\$212,704.92				
Miles of Gas Main	556	545	11	K. W. H. Generated—Steam	6,215,010				
Miles of Overhead Line	2828	2361	467	K. W. H. Generated—Hydraulic	7,520,390				
Miles of Undergr'd Cable	1476	1345	131	K. W. H. Purchased	2,711,015				
Miles of Subway Duct	1100	1053	47	M. cu. ft. Coal Gas Made	184,586				
No. of Street Arc Lamps	1415	1487	*72	M. cu. ft. Water Gas Made	125,364				
No. of Street Inc. Lamps	10749	10004	745	Tons Steam Coal Used	16,773				
Total of No. Street Lamps	12164	11491	673	Tons Gas Coal Used	17,053				
No. of Employees	1786	1579	207	Gallons Gas Oil Used	332,453				
				Tons Coke Made	11,941				
				Gallons Bengas Made	117,560				
					63,415				

*Denotes Decrease.

Personals

Mr. W. A. Schell, of the Engineering Department, who served as Captain of Field Artillery during the late war, has recently received a commission of the same grade in the Officers' Reserve Corps.

Mr. and Mrs. S. A. Graham, of New York, were guests during December at the home of Mr. and Mrs. E. H. Fisher.

Mr. John Reber, of the Garage, is attending night school where he is taking up the study of English. Mr. Reber came to America from Germany only last year but is becoming quite a fluent speaker of our language. Mr. Wm. Leacey has been his tutor up to this time, which accounts for his fine progress to date.

Mr. George Tobin the muse of the Front Street Bengas Station, won a bouncing fifteen-pound turkey for

Thanksgiving which inspired him to dash off a score of verses

which later appeared in the Rochester Journal and Post Express. George is no ordinary poet, and thinks nothing of writing from ten to fifteen verses at one sitting.

Mr. Price Palmer is one of the leading bowlers on the Coke-O team. He is averaging better than 200.

Mr. George Letson recently returned from a hunting expedition in Pennsylvania with a large buck which he shot there.

Miss Roth spent Thanksgiving day with friends at Canandaigua, N. Y., where she enjoyed a very pleasant holiday.

Mr. Edward Krebs, of the Transportation Department, recently suffered the loss of his car through theft. Fortunately for him, however, it was found shortly afterward on Driving Park Avenue bridge, with its Bengas tank empty, no serious injury to it having occurred.

Mr. Jack Logan, of the Line Department, recently assisted Mr. Van Doren, of the Utilities Mutual Insurance Company, in the taking of some photographs showing safe practices and hazards in Line Department Work.

Mr. Worthington, of the Electric Meter Department, has built a new home on the West Side, recently.

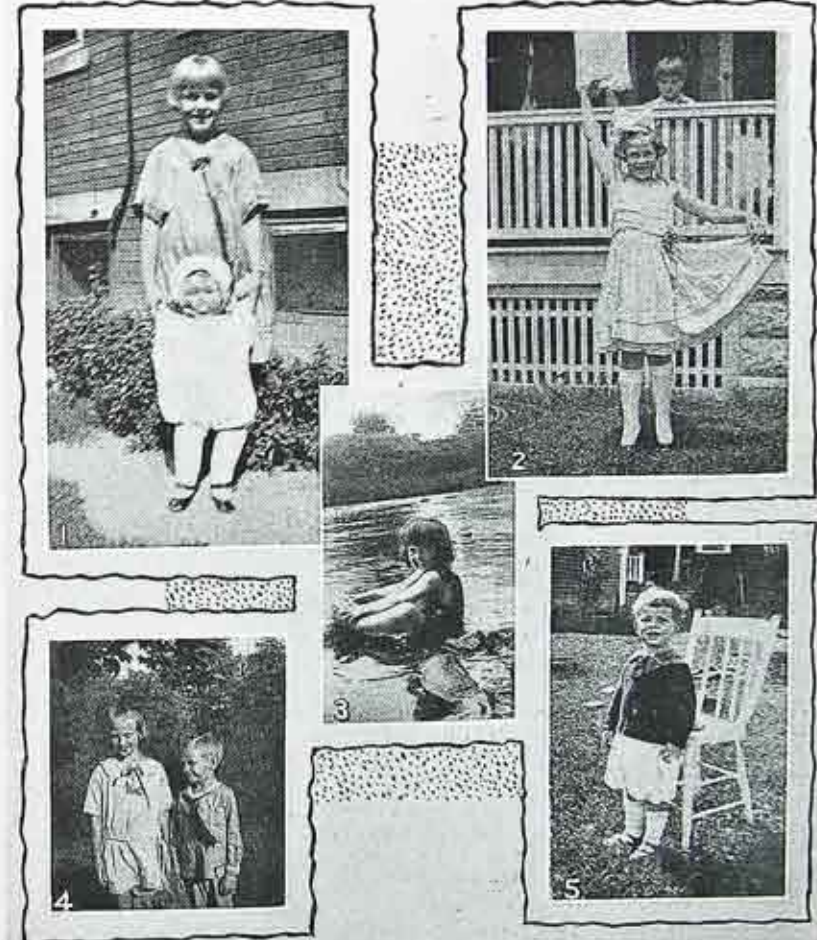


Scene in Highland Park, noted for its "Christmas Trees", which fairly teems with Christmas Atmosphere. Here Skating and Coasting add much to the Holiday Enjoyment of Rochester Boys and Girls.

Miss Alice E. Barth has been transferred from the Appliance Department to the Meter Reading Department, and Mr. Ernest W. Merredew, effective December 8, will be supervisor of the Order Department, having been transferred from the Meter Reading Department.

Mr. and Mrs. Harry Sugden cele-

brated their thirty-fifth wedding anniversary on Thanksgiving day which is surely a wonderful day for such an occasion. This event was also enjoyed by numerous friends of Mr. and Mrs. Sugden who were present. Mr. Sugden is employed as foreman at East Station, and has been with the Company for nearly twenty years.



CHILDREN OF EMPLOYEES

(Send in Snap-shots of Your Little Folks)

1—Gene Lillian Ludlow, 2—Bernice Laura Cahill, 3—Peggy Ann Sullivan, 4—Nelle and Jack Brogan, and 5—Robert M. Pierce.

Mr. C. F. Nichols, of the Electrical Laboratory, who operates Stations 8-XAN and 8-AMM has the honor of being one of the amateur broadcasters of code messages to be heard by Mr. MacMillan from his ship station WNP, in the vicinity of the North Pole. Mr. Nichol's name appeared in a recent number of QST, a radio magazine, among others who have gained this distinction.

Mr. Phillips, of the Mechanics Institute faculty, is conducting educational meetings for employees of the Electric Meter Department each Tuesday from 4 to 5.30 P.M. These meetings which are held at the Electric Laboratory are proving of great interest and help to the forty-five men who attend them weekly.

Messrs Baird, Campbell and McGowan have been making daily trips to Mt. Morris, where they are checking up the condition of Company meters in that town.

Mr. Coleman, of the Telephone Department, is keeping in good physical trim by walking to his home evenings from the Main Office, a distance of about four miles.

Messrs. Frank Hutchinson, Angus MacKay, and hisson, Gordon MacKay, were in attendance at the recent conference of the Boy Scout movement, held at Syracuse. Mr. Hutchinson and Mr. Gordon MacKay were delegates from the Older Boys' section of this fine organization. There were about 2,000 boys at this national meeting where some of the finest speakers to be had in this country were heard daily. One of the most interesting addresses was by Mr. Sherman Rogers, the Industrial correspondent of the Outlook magazine, who is known as the "Lumberjack Orator".

Mr. William Gosnell was the ex-officio manager of the recent drive for funds conducted by the Dewey Avenue Presbyterian Church which succeeded in going fifteen per cent "over the top." Mr. Gosnell is a

trustee of this church and takes an active interest in its varied work, especially the financial responsibilities.

Mr. Fred Cook, of the Motor Department, recently completed a three-tube radio set which is more than realizing his expectations. This is Mr. Cook's third radio set, and he has built all of them himself.

Mr. John Spall has put away his fishing paraphernalia for the season, having decided that the brand of fisherman's luck which local fishing grounds has afforded this Fall is hardly worth bothering with.

Mr. Edward Behan, night man at the Transportation Department, recently built a new home on Dewey Avenue which is being enjoyed by himself and his family.

Mr. George Harris is having his home wired for electricity. His plans include the wiring of the poultry house as well, and he will endeavor to equal the record of Mr. Stein as a poultry expert.

Mr. Stein, of the Garage, is following his practise of last year and is turning on the 75-watt electric lamps in his poultry house at 6 o'clock A. M. to get his "biddies" up early enough to put in a good average day's work. By keeping this house well illuminated on dark days and till seven o'clock evenings, as well, he is able to greatly increase the average production of eggs which are now selling for one dollar per dozen.

Mr. Frank Moore is making numerous trips these days to and from Mt. Morris with his truck. He is hoping that the snow will remain an absent quantity until long after New Years with the exception of a reasonable amount for the requirements of a Merry Christmas for the children.

Mr. Frank Wicks recently purchased a fine flock of winter pullets. Dollars eggs make the possession of a few well-trained birds a paying investment. Mr. Wicks is taking lessons in poultry husbandry of Mr. Stein, and is out to beat his record.

Mr. E. A. Fisher attended the annual convention of the Cornell Alumni Association held at the new Statler Hotel, Buffalo, recently. One of the most interesting trips provided was that to the plant of the Niagara Falls Power Company where three 70,000 H. P. turbines are in process of installation. When present construction work is completed this plant will be the largest hydro-electric installation in the world.

A number of Company employees enjoyed the chicken dinner held at St. Salome's Church, Sea Breeze, on November 27th. On behalf of the church, Mr. Schluter extends its great appreciation of the fine service rendered by the Company for the occasion.

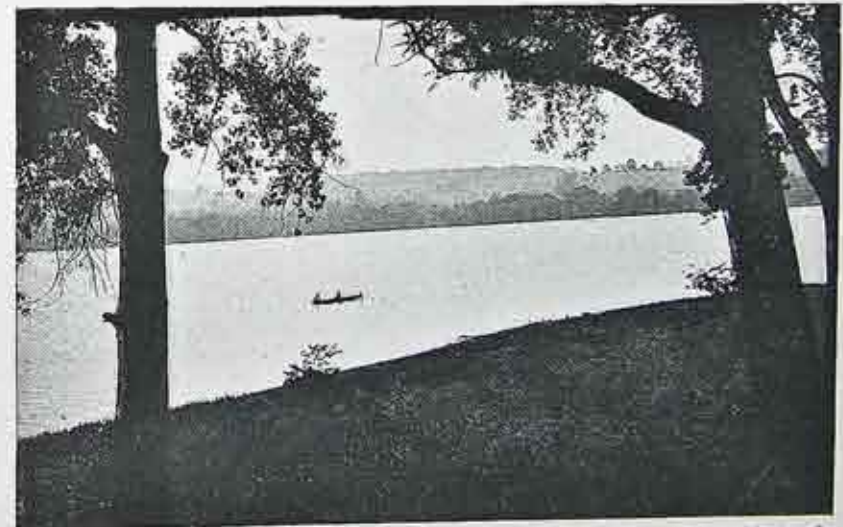
At a recent meeting held in the third election district, a commission was appointed and empowered to confer with this Company in regard to the installation of street lights at Sea Breeze and Point Pleasant. Mr. Schluter, of the Electric Distribution Department was appointed Chairman.

Mr. H. C. Deffenbaugh recently spent one day in Syracuse in the investigation of rates in operation in that city for electric furnaces.

Mr. Edward L. Wilder attended a meeting in Chicago conducted by the Executive Committee of the National District Heating Association.

One evening recently, a very fine musical program was broadcast from Station W H A M, by the following local entertainers: Mrs. Harry Hollis, contralto; Mr. Norman Prince, tenor; Mr. Karl Baumbach, cellist, and Mr. Frank Henry, pianist. Mrs. Hollis is the wife of Mr. Harry Hollis of West Station, and Messrs Prince and Henry are employees of the Laboratory. The excellent program comprised instrumental and vocal solos and ensembles, and numerous requests for encores indicate the general popularity of the various numbers.

Mr. Clarence Lattimer, of Andrews Street, is the solo pianist at Keith's Family Theatre, on South Avenue. Mr. Lattimer, who is an accomplished pianist, plays the accompaniment to the evening moving picture performance.



Kodak Study in Black and White taken by Mr. Harry Hollis, of West Station, while on his vacation at Conesus Lake

Mr. John B. Allington recently attended a meeting of the Managing Committee of the Industrial Gas Section of the American Gas Association which was held in New York City.

Mr. Howard Stebbins greatly enjoyed a Fall hunting excursion to the Adirondacks. He was accompanied by a party of friends whose prowess as hunters may be seen in the illustration shown on this page. Mr. Stebbins is the last man in the group, standing at the extreme right in the reproduction which also shows some of the deer killed during the one-week stay in camp.

Mr. Edward Herr, of the Addressograph Department, is a lucky fellow so far as raffles are concerned. Not being satisfied with winning a mere duck or chicken, he surprised his friends



Mr. Stebbins (at extreme left) and members of his Hunting Party, and 5 of the Deer they shot at the Adirondacks.

recently by riding home on a snow white steed, the prize offered for the lucky number he drew. Not having a barn, "Eddie" was at a loss to know what to do with his charger, so he finally decided to present him to a neighbor who did have a barn. Some of his friends suggested that he might put a little wood alcohol in the horse's drinking water and blanket him a-la-Spark Plug, and then leave him under the old apple tree for the night, but Edward has a kind heart and decided to find his mount a happy home instead.

Mr. Durfee recently attended the Committee Meeting of the N. E. L. A. which was held at Detroit, and the Wiring Committee meeting of the same organization which took place at New York City.

A card party was held during November at the home of Miss Walker, of the Electric Distribution Department, who resides on Magnolia Street. Eight young women from that Department enjoyed an evening at five hundred, prizes being won by Miss Landerer and Miss Mura.

Messrs. Winterroth and Fiedler, while working on the Penfield line recently, enjoyed an excellent farm dinner one noon which made them ardent enthusiasts of the back to the farm movement. They are going back for another good feed whenever an opportunity offers itself.

Mr. Frank Smith, who recently became a benedict, received a purse of fifty dollars in gold from his associates of the Electric Distribution Department. Mrs. Smith was formerly

Miss Dorothy Elter. After the marriage ceremony which was held in the church of Our Lady of Perpetual Help, Mr. and Mrs. Smith departed on a honeymoon which included visits among friends in the Middle West.

Mr. Harold Sorg, of the Underground Department, has returned to Dansville, N. Y., to take up the the retail shoe business conducted for many years there by his father who has gone on the road for a shoe manufacturing concern.

Mr. V. Weining wishes to express his appreciation for the support given by employees of the Company to the recent anniversary suppers given at the Salem Church, on Franklin Street. Over 260 Company employees bought tickets for this occasion, and partook of the bountiful feast.

Mr. Sydney Alling and Mr. George Fiedler attended the Committee meeting of the N. E. L. A. which was held at Schenectady recently.

Miss Catherine Schlottman, who recently became Mrs. J. Riley, is making her new home at 83 Pearl Street. Mr. Riley is a student at the Rochester Theological Seminary and will soon enter the ministry.

Mr. Fayette Harned is again numbered among the Company's employees, having recently become a member of the staff at the Andrews Street Drafting Department.

Mr. Kenneth Shields spent his vacation at his home, on Genesee Street, and the proof that he enjoyed a fine rest is evidenced by his three-pound increase in weight in two weeks.

Miss Ethel Stanton, of the Telephone Department has announced

her engagement to Mr. Edward Crane, of the Gas Shop.

It takes telephone girls to get lucky numbers, apparently, for Miss Bessie Whitman and Miss Ethel Stanton recently held winning tickets in a recent duck raffle. The birds were delivered in time for the Thanksgiving feast and the two lucky wish-bones now adorn the Andrews Street telephone board.

The little daughter of Mr. and Mrs. Adrian L. Ferland, who was born on October 5, has grown into a bouncing baby. Betty May is her name and she is preparing to hang up her stockings the night before Christmas.

Mr. and Mrs. Lester Lynd recently enjoyed a visit with Mrs. Lynd's parents who reside in Fulton, New York.

Employees of the General Construction and Gas Street Departments

"The Men Who Keep the Wheels Turning" Series



Back Row—F. Debarno, T. Gisairo, D. Debarno, D. White, T. Nobrina, J. Nahsk, L. Spartello, J. Conditto.
Third Row—D. Cosuzzi, M. Brown.
Second Row—Standing on Ground—J. Weeger, F. Narblan, L. White, J. Treve, R. Bell, D. Fell, J. Valentine, M. Rose, J. Shell, P. Mark, G. Mungono.
Front Row—R. Bancroft, G. Ennis, E. Stalliger, R. Bond, W. Van Epps, O. Goffield, S. White, S. Ross, T. Fontana.

FUMES & FLASHES



PRIME ESSENTIAL

Visitor: What caused the Ku Klux Klan wave to recede so quickly in this town?

Native: Laundry strike. No member in good standing would dare to be seen publicly wearing a dirty night shirt!—*Selected.*

PERHAPS HE DID

A motorist found himself almost out of gas in a strange suburb the other day, and only 40 cents in his pocket. He drove into the nearest filling station and gave his order:

"One gallon of gas, please."

The man in the overalls looked over the big car.

"One gallon!" he said. "Whatcher tryin' to do? Wean it?"—*Selected.*

HE DIDN'T MISS ANYTHING

She frowned on him and called him Mr., Because in fun he'd merely Kr.

And then for spite

The following nite

This naughty Mr. Kr. Sr.—*Selected.*

ACUTE

Two students on a train were telling about their abilities to see and hear. The one says: "Do you see that barn over there on the horizon?"

"Yes".

"Can you see that fly walking around on the roof of that barn?"

"No, but I can hear the shingles crack when he steps on them."—*Selected.*

FORCE OF HABIT

"What's all the racket in the barber shop?"

"One of the barbers is shaving himself and trying to talk himself into a massage."—*Selected.*

A DRY JOKE

Whatever else may happen,

Now that the country's dry,

The sailor will have his port,

The farmer will have his rye:

The cotton still has got its gin,

The seacoast has its bar,

And each of us will have a bier,

No matter who we are.—*Selected.*

HE HAD A COME-BACK

One bright sunny afternoon Mr. Wood met Mr. Stone and after greeting him, said: "How is Mrs. Stone and all the little pebbles?"

Mr. Stone answered: "Fine, and how is Mrs. Wood and all the little splinters?"—*Selected.*

SOUNDED DIFFICULT

Down in Texas the short cotton crop forced a large number of country negroes to the cities. One of them applied for a job at one of the large employment agencies.

"There's a job at the Eagle Laundry," said the man behind the desk. "Want it?"

The applicart shifted uneasily from one foot to the other.

"Tell you how it is, boss," he said finally. "I sure does want a job mighty bad, but de fact is, I ain't never washed a eagle."—*Selected.*

WITHOUT LEAVING HOME

Sir: Maybe these fellows with their fifty-dollar radio outfits think they are good when they can get some place two thousand miles away, but I got in at four-thirty last night and got hell without any outfit.—*N. Y. Tribune.*

A ROUGH LETTER

Rosenbaum had recently started in business and among his customers was a man named Cassidy, who wouldn't settle.

Rosenbaum asked his clerk if he had written a letter to Cassidy, and asked to see the letter. After reading this letter, Rosenbaum turned to his clerk and said: "That is no letter to write to him." He then sat down and wrote the following:

"Cassidy: Who ordered those goods off us? You. Who promised to pay in sixty days? You. Who's a dirty loafer? Yours truly, Isadore Rosenbaum."—*Selected.*

ART VS. LIFE

"What makes you think Higgins was lit up last night?"

"Well, I sat next to him at the movies, and when they showed the news-reel he tried to set his watch by a clock in one of the street scenes."—*Life.*

TACT? IT WAS INSPIRATION

Two porters were discussing some new general orders: One inquired what was meant by "courtesy with tact", something which was to be applied to patrons, and this was the answer Sam gave:

"Ah burst into a bathroom one day in a hurry and dere was a lady settin' in de tub. Ah bows an' sez: 'Excuse me, SIR,' and backs out. Now when Ah sed 'Excuse Me,' dat was courtesy, but when Ah sed 'Sir,' dat was tact."—*Selected.*

Progress

A man's life may stagnate as literally as water may stagnate, and just as motion and direction are the remedy for one, so purpose and activity are the remedy for the other.

—John Burroughs





GLISTENING ELECTRIC LAMPS SPREAD
CHRISTMAS CHEER AT BROWNCROFT