#### PLUMBING AS A FINE ART

Application of the Oraft Takes on New Aspect in the Home

BATH ROOM ITS PLACE FOR EXHIBITION

Expression of the Graces and Beauty Modern Appliances and Fittings Limited Only by the Patron's Purse.

Flumbing has undergone an evolution during the past few years. From a luxury it grew to be a necessity, and from a necessity it has passed to an art. A few years ago when a new house was planned, any dark little room was considered good enough for a bath room, and the builder figured that the cheapest material would be ample to answer all requirements. When the American people began to acquire wealth, and later to devise ways and means of spending it in the erection of fine residences and otherwise, some of them had a surplus which they found necessary to dispose of after the building plans had been carried out. Every way of adding to the luxury of the home surroundings had been devised, it was believed, but at length a happy thought struck some indi-vidual, and he confided to his friends that he was going to invest some of his surplus wealth to fitting up a better bath room. The plan did not meet with approval, but when it was carried out and the friends were invited to view the handiwork of the plumber they, too, became interested, and there was born from an old industry a new one, but along different lines.

Original plans have been elaborated on from day to day until now a man can spend any amount that he may desire upon his bath. The limit is only fixed by the corpulence of his pecket book. probably not generally known that there are single bath rooms in the city of Omaha on which \$1,500 or \$1,500 have been spent for the fixtures alone, and there is at least one residence in the city in which about \$16,000 was paid for the plumbing done at the time the building was put Of course these cases are few and far between, but even one instance may be made to show what can be done by the home builder in the plumbing line when he takes a notion to spread himself.

#### Advance During a Decade,

It is said by those who are supposed to know that there is no line in which so much advance has been made as in the line of plumbing and home sanitation during the past decade. It was only a few years ago that such things as marble wash stands and solid porcelain bath tubs weighing 500 to 1,000 pounds were unknown. The tubs in those days were made of iron, unfinished, as were also the other bath room fixtures. They were very prone to rust. and, coming in contact with water almost all the time in a very short while after their installation they presented anything but a pleasing aspect.

Strictly up-to-date bath room furniture now includes at least six principal pieces; namely, the bath tub proper, the sitz tub, the foot tub, the lavatory, the closet and the shower bath. All of the pieces with the exception of the closet are in a single apartment, but the closet is in an ad-Light is admitted to the room through stained glass windows made in the Gothic ready for the first bath in the new home indeed presents a pleasing appearance. In one of the catalogues, which is de-

signed to call attention to the art of modern bathing, the publishers have this to by bathing in a porcelain enameled tub us by indulging in the popular pastime of surf bathing. You will so much enjoy using in your own home a pure white inviting bath tub, with an overhead shower, that the pleasure you derive from ocean bathing will be relegated to a secondary position in your list of enjoyments."

#### Details of Installation.

As described by a plumber, the modern The bath room direct to the main sewer sewer through the bath room and on up butside of the house are generally of tiling, and inside are extra heavy iron piping. In large buildings the Durham system is in use, which consists of iron pipes throughout and screw fittings. Each fixture is trapped as close to the fixture as possible, and each trap is ventilated into a system of galvanized wrought iron pipes. These are connected either with the main vents or run directly through the roof. ... Water pipes, of course, are connected with the city mains. Everything in the system is connected with the hot water tank, with the exception of the closet. Usually the water supply to each fixture is controlled by stop cocks, and these, as a rule, are located in the cellar.

In the finest class of work what is called return circulation pipes are installed for hot water. Through these pipes the hot water is constantly passing through the tank, and hot water is secured the instant the faucet is turned. In the fixtures nothware and marble. Plain cast iron ware is a thing of the past, so far as nice work is concerned.

Of course the cost of installing a fine set of bath room furniture varies according to the quality of material used, but for the very serva-rable, up-to-date fixtures. with everything complete, the average cost of fitting up a nice bath room is estimated at from \$200 up to as high as \$1,500, and even higher if the very finest material is

sanitation in his home nowadays takes as avenue.

NAKER HAD

why judges of good

much pride in the display of his bath room, or rooms, as the case may be, to his friends as he does in that of his parior Each appointment is called to the atten tion of the visitor in showing him through the house, and the fine points of each is discussed. There are partisans who stand for each manufacturer's line.

Plumbers Expect Busy Year. Plumbers of Omaha generally are an-

ticipating a good business during the coming season. Everything points to a great year from the building point of view, and there is no anticipation of labor troubles such as have interfered with the carrying out of building plans in the past. It is said that the plumbing business in the east at the present time is very dull, due principally to labor difficulties. On this account representatives of eastern manufacturers are thick in the western territory. They have been coming to Omaha in large numbers during the spring and are making strenuous efforts to dispose of their output in the western field. This fact indicates favorable prices on material to our home dealers. One reason of the eastern invasion of manufacturers is that the factories have overestimated the demand for their goods in the east, and consequently seem to be overstocked, and they are now trying to discose of their overplus in the western market. It is said that when business with them is flourishing in the eastern field their salesmen rarely come west, and most of the business is transacted through correspondence.

One bad feature of the eastern situaers have seen fit to enter the field as comman to make anything out of it. This has in the act of giving up its heat. occurred in several large contracts which present situation.

#### ELECTRICAL WORK IN OMAHA

Western Electrical Company President Says it is Done Cheaper Than Ever.

The Western Electrical company is the argest, oldest and nest equipped electrical is placed in the cellar or basement. There has probably performed nine-tenths of the heating is divided, the two-pipe system and largest electric light wiring and construc- the one-pipe system. The most frequently tion work that has been done in the city used is the two-pipe system, in which one of Omaha and has done the great majority of furnishing and installing electric light from the top of the boiler, and, after havplants in the territory tributary to Omaha. trical materials to contractors and consum- quired to supply their lateral branches and ers, the installation of electric light and the vertical risers to the radiators. A true power plants, the wiring of buildings for electric light, heat and power, electric bells all water of condensation is returned to the and annunctators and interior telephone botler through the steam pipe, against the systems. It is the district manager of the course of the steam. Northern Electrical Manufacturing company, one of the largest manufacturers of class of machinery.

past fifteen years has electric light ma- they will overcome these cold currents. terial required in the building of houses formed with a view of advancing the price of all kinds of material and of all classes joining apartment with a door between, of electrical construction work. These cases are connected with the outer combinations did succeed in stifling comstained glass windows made in the Gothic petition and in keeping the prices abnor-style, and large plate mirrors adorn the maily high. Combination after combina-The floor is of the finest tiling, tion has recently failed, and within the leading from the top of the cases to regand is covered with a rug of the finest last two weeks the biggest combination of All of the metal is nickel plated them all, the rubber-covered wire combinaand stands out from the wall, termed ex- tion, has fallen to pieces and rubber-covposed plumbing. Side lights are fastened ered wire, heretofore the most staple artito the wall, and when everything is made cle in the line and the one that enters the apartment where it is to be enjoyed tracts, has been reduced in price from 35 to 50 per cent. This grade of wire is today selling for 20 per cent below the jobbera' cost of a month ago.

Any person contemplating the building of "The condition of health, cleanliness a house at this time can put in his elecand happiness may be as readily obtained trical equipment at least 25 per cent cheaper today than he could a year ago on account of the reduced cost of material that enters into the work. In addition to this, he can save considerable more on account of the fact that within the last month or two many "electrical wiremen" have been drawn to the city of Omaha on account of the alluring statements made in the various publications stating that there is a great building boom in Omaha, so that these so-called "wiremen" have gone into system of plumbing includes a sewer from the electrical construction business. These men are looking for wiring contracts, and In the street. The piping runs from the if they can make a day's wages or less they are willing to do a job of house wiring, through the roof of the house. This acts in fact, there are many cases in which as a ventilator for the sewer. The sewers they would be willing to do the job at less than cost.

The competition in Omaha among the electrical contractors is so great that builders can afford to fully equip their buildings with the very latest approved electrical appliances at abnormal low cost.

Notwithstanding the competition that exists in the electrical construction business in Omaha, there are still reliable conservative concerns doing business that are willing to do first-class high grade work, using the best of material and appliances, at most reasonable prices.

### OVER HUNDRED NEW HOMES

This Number Erected or Projected in Omaha Since Pirst of the

Year.

One hundred and ten new dwelling have been erected or set under way in Omaha since January 1. Twenty-eight cost \$1,000 or less; fifty-seven, \$2,000; thirteen, \$3,000. ing is used but procelain enameled iron and twelve, more than \$3,000. So far during April building operations have been authorized costing \$87.785, whereas the whole month last year brought but \$52,040 worth. For last month the gain in local building over last year was 67 per cent, greater in proportion than any other city in the coun-

try except five. Permits have been issued to W. T. Graham for three houses, two to cost \$2,000 each, at 2805 North Twenty-fourth street and 2011 Pinckney, and one at 2525 Blondo. John Safarik has obtained a permit for a A man who has the proper regard for \$1,500 house at Twenty-seventh and Capitol

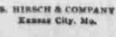
QUAKER

MAID RYE ITS MELLOWNESS! ITS PURITY!

IT LEADS!

ITS BOQUET! At all lending bars, cafes and drug

stores



#### HEATING MODERN HOUSES

the Cold.

INGENUITY CONDUCES TO COMFORT

Buildings and Supplying Fresh Air Have Nearly Been Supplanted.

Modern heating is done by three principal systems and ventilating by two. In heatng, steam is generally conceded to be the leading means for conveying the heat of coal into the rooms of buildings, and there spreading it to gain an even temperature. The hot water system is a close second to steam, and the hot air system brings up the rear of the procession. In ventilating, generally speaking, the fan system takes the lead and the indirect radiation system. follows. Sometimes the two systems are combined, which is said to be the protection of ventilation, and sometimes the indirect system is modified and called direct-indirect.
The same is true of the heating systems.
There is what is called the combinations. system, which implies heating with hot water and air.

A modern steam heating apparatus comprises three essentials: A boiler in which steam is made; the piping, by which steam tion is that in some cases the manufactur- is conveyed from boiler to radiators and water of condensation returned from radipetitors in the letting of building contracts, ators to boiler; the radiators which diffuse and have in this way walked off with the the required heat from the steam and in business without permitting the middle which the steam is condensed into water

The operation of this apparatus is indihave been awarded of late, and seems to cated in the enumeration of the parts and be the only discouraging feature of the the process is continued indefinitely, the steam rising to radiators through pipes, where it is condensed into water, and returning to the boller, as water, by its own

Radiating surface is also divided into two classes, direct and indirect. Direct radiaelectrical apparatus in the world, and is tion is placed within the apartment it is in position to name factory prices on this intended to warm, against the most exposed and coldest wall, as there is always a cur-Mr. G. W. Johnston, president of the rent of cold air falling from windows and Western Electrical company, at 1212 Far- the outer walls of a building, and radiators

Indirect surface is hung in the basemen been as cheap as it is today. A few years or cellar, enclosed in a galvanized iron ago various electrical combinations were case, or one made of matched boards and preferable, as they radiate least heat. air by suitable ducts, leading from the bottom of the cases, and communicate with the apartments to be warmed by tin pipes isters in the rooms, In operation the radiators warm fresh air from the outside and deliver it where required.

other with the top of the boiler, so that the boiler and pipes there will be a continual circulation, and this is the under-

The principle of hot air heating is too well known to need description. The heat is distributed by the cold air which comes in contact with the surface of the furnace apartments to be warmed.

altogether for dwellings.

#### Ventilating Systems.

Ventilation is nearly akin to heating. In the direct indirect system the cold air is brought in from the outside through ducts usually placed beneath the radiators. As the cold air flows in the temperature of the apartment falls, and an automatic device connected with the shutter which regiates the aperture closes, and as the temperature of the apartment rises it opens, thus keeping the temperature at any given point desired. The working of the direct system has already been explained. The fan system is used principally in large buildings, and fans are now made of simost all sizes, some of them large enough so that a team of horses might be driven through them without touching the sides These fans are of two styles, one to draw the fresh air into the apartment and the other to blow vitlated air out. They are run by electric motors and by small gasoline engines directly attached.

The cost of installing a modern heating system is furnished by John Rowe & Co., as follows: Hot water system for a six to twelve-room house ranges from \$300 to \$750, according to the style of fittings; steam system from \$225 to \$600 for a six to twelve-

room house. Like other departments of building there has been a wonderful advance in the art of heating and ventilating during the last few years. Radiators, being most in view, have been elaborated perhaps more than any other portion of the apparatus. These are now made in various styles and shapes. If you have a low window where you desire to stand your radiator that is easily arranged. The radiator is built so that it extends upward on both sides of the window and is low in the middle. If you desire to stand it at the foot of your stairs it is mide in sections graduated to fit, the top of each section coming just even with the top of

If you desire a radiator for your dining closet fitted into the center of it with a door which closes and opens similar to an oven door. In this closet you can place glass and also leaded glass is as low now such dishes as are desired to be kept warm as ever before. and no matter when the lord and master

Steam, Hot Water an! Hot Air to Combat

Old Methods of Warming Homes and

Features of Steam Installation. In a properly arranged apparatus the boiler is of ample capacity to supply radiating surface with steam for ten or tweive consecutive hours without attention, and construction company in this vicinity. It are two principal systems into which steam or more steam pipes are taken vertically ing attained the proper height, are carried Its lines include the furnishing of elec- herizontally in the various directions reone-pipe system has no return pipe and

nam street, states that at no time in the should, so far as possible, be placed where

Hot Water and Hot Air.

piping, the radiators and an expansion tank. The pipes consist of flow and redensity at 29.1 degrees Fahrenheit, and any excess of heat causes it to expand. Consequently a given volume at 200 degrees duced at the bottom of a vessel containing water at the lower temperature, the If the vessel be arranged in the than with modern apparatus. form of a pipe connected at one end with the bottom of the boiler, and at the circuit is formed, and the water fills lying principle of hot water heating. The heat is distributed by the water constantly striving to regain its equilibrium, which

is disturbed by the heat under the boiler.

Steam heating apparatus is generally used for business blocks, club houses, cipally for dwellings, and hot air almost

## Western Electrical Company 1212 FARNAM STREET, OMAHA.

Electric Light Wiring

Complete Installations of ELECTRIC LIGHT PLANTS, DYNAMOS, ENGINES, BOILER WIRING, INTER-COMMUNICATING TELEPHONE SYSTEM, ETC.

SPECIAL ATTENTION GIVEN TO Electric Wiring in Residences, Warehouses, Retail and Wholesale Stores, Factories, Etc.

QUICK REPAIRS TO Electric Bells, Gas Lighting and House Work.

Following are a few of our

#### Omaha Contracts:

Dynamos, Engines, Etc.:

The Iler Grand Hotel, The Bemis Omaha Bag Co.

The Willow Springs Distillery

The Bennett Company The Omaha Bee Building Company

The Omaka High School The Kimball Laundry.

#### Electric Light Wiring:

The Omaha Club

The Sacred Heart Church The Omaka Public Library

The Douglas County Hospital

The Omaha High School The F. P. Kirkendall Shoe Co.

The Omaha Daily News

The Barnard Apartments

#### The Residences of

Hon. C. F. Manderson Hon. Frank Murphy Hon, C. W. Lyman

#### Hon. George A. Joslyn.

Interior & Office Private 'Phones: U. S. Supply Company Boston Store Omaha News Company Klopp, Bartlett - Printers Haywood Bros. Shoe Company, J. J. Deright & Company.

# Western Electrical Company

1212 FARNAM STREET.

TELEPHONE 456.

who have served their purpose, and served means the use of considerable more paint it well, when none better were in sight, are for buildings, as well as attractive signs. passing. In a few more years, it is beleved by those who are interested in the building activity, which means more work matter, the stove will be entirely super- in our line, than ever before. Material of seded by other methods. However, there all kinds is down where it belong of: A heater or hot water boiler, the has as yet been no method devised which equals the baseburner for cheapness of days to come. We are always glad to operation, but the American people do not turn pipes, divided into mains, branches demand price alone, they desire ease of risers. Water is at its greatest operation and comfort as well. In twentyfive years the fireside will be the grate in the parlor or lounging room of the family, which will be retained for its appearance weighs less than at 140 degrees, and if of comfort. Steam pipes, however artisticwater at a higher temperature be intro- ally elaborated upon, will never be made to yield that feeling of warmth which the fire within the grate gives off, no matter not water will ascend to the top of the if the room may be a few degrees cooler

#### PLATE GLASS FOR THE HOME

One of the Newer Moves in the Way of Making Residences More Attractive.

F. W. Judson, secretary and manager of the Midland Glass and Paint company, in speaking of his company's business, says: "We have been in business for about four years, and we estimate the amount of glass and paint being sold from Omaha at the being heated and thereupon rising through present time is about five times greater the pipes arranged to carry it into the than four years ago. Very little glass or paint is now shipped into this territory from eastern points, as Kansas City, Omaha and Minneapolis jobbers practically large residences, etc. Hot water prin- supply goods of this character for the west-

ern country. "We carry an immense stock of plate glass, window glass, imported Belgium picture giass, colored and white ornamental glass, skylight glass, floor glass, mirrors, bevel plates and also manufacture leaded art glass. We carry also a complete stock of paints, varnishes, brushes, linseed oil, lead and general painters' supplies. We are western distributors for Patton's sunproof paint, which is widely known throughout

"More plate glass is used at present than ever before, especially in residence work. This is due to the fact that plate glass is much cheaper than heretofore, and is also made in thicknesses that will permit it to be used in light residence sash. The small difference in the cost of the glass required in an ordinary residence between plate and mon window glass is remarkable, and a great many more people would use plate glass if they took the time to figure out the difference and had their attention called to the great improvement that plate glass makes in a residence. No other material that can be used in the erection of a building will improve it more and add more to its

Not as much colored glass is made or used nowadays as formerly, and fancy glass is used almost altogether in white. The manufacturers of these goods get out about every other year a new pattern. Mirrors are now made in Omaha and beveling is also done here. We also manufacture leaded art glass, having one of the best equipped factories in this section. Our factory has been running about a year and before that time all work of that kind was shipped from the east. We now have working for us about thirty-two men in this department alone. We also handle quite extensively at the present time prism glass, which is used to throw daylight into the interior of buildings. It is of great advantage and has been used during the past few years in great quantities throughout the east. Wire glass is also one of the room you should get one with a warming new ideas that is meeting with big success and has the endorsement of all of the leading insurance companies. The price of art

"Much paint has to be furnished in this comes home the woman of the house can serve his dinner on hot plates. They are also made round to fit alcoves of any shape and in all sizes.

Stoves Belong to Past Age.

The old system of heating with stoves has seen its day, and like all old veterans ance of the building, which, of course,

"We think this year will witness more looks as if it would remain so for some have the trade call on us and visit our warehouse and factory, as glass and paint is becoming a more important factor in buildings, and there is much of interest that the general trade are not acquainted with that we would be glad to enlighten

#### them on if they will call here." NEW COMPANY WELL EQUIPPED Nebraska Electric and Fixture Company is Ready to Do All

Sorts of Work.

The Nebraska Electric and Fixture company, Thirteenth and Harney streets, is to be congratulated upon now being in a position to take up general electrical construction for lighting and power for everything, such as residences, business houses and installing of isolated electric lighting and power plants, as well as the construction of lighting plants for small towns. Its business was started one year ago and has been a big success. It carries a full line of electrical supplies and gas and electric fixtures. E. J. Sullivan is secretary and treasurer of the company and his associates are all young men and hustlers. The principal reason for the company's being able to take care of any of the class of work mentioned is that E. F. Schurig, formerly city electrician for nine years, and who has been at Beatrice for the last year, has returned and accepted the management of the construction and engineering departments. Mr. Schurig came to Omaha fifteen years ago to install the electrical and steam plant in the New York Life building and has remained in the west ever since. The fixture department is under the management of Wilbur L. Burgess, who, with long practical experience, has learned to combine common sense in the mode of lighting, with artistic and graceful designs, at prices which one can afford to have really nice fixtures. Mr. Burgess will be pleased to advise with anyone on lighting schemes. Having made a special study of the subject of light, he can give valuable suggestions to anyone needing his as-

EVIDENCE IN PLAIN SIGHT Drives About the City Disclose the Prosperity Omaha is Now

Enjoying.

In talking with John Grant, vice president and general manager of the Bitulithic company, he makes the statement that from driving around the city several hours each day he realizes probably as much a any one else what an unusually large number of residence, costing from \$3,000 to \$5,000, are being erected. They are not confined to any particular section, but are going up in all parts of the city.

These building operations affect his business materially, as they have to have side walks, and he says that in the past month he has taken orders for between 80,000 and 40,000 feet of cement sidewalks, which are now being constructed. He says that the price of cement is away down, being just a trifle higher than brick. His company has just taken a contract

the streets of the city. He says that one of the best evidences to him of the prosperity of Omaha is the fact that his own business shows an increase of 25 per cent

from the city for the asphalt repairs on

Dickinson Stays with Baxter.

# Glass and Paints

We are headquarters for Plate Glass, Window Glass, Ornamental Glass, Mirrors, Etc.

We Manufacture Leaded Art Glass for Residences and

We are western distributors of Patton's Sun Proof paints, and carry an immense stock of paints, oils, varnishes, brushes, shingle stains and painter's sundries. You are invited to call at our CITY RETAIL SALESROOM, when we will be glad to show you our goods, furnish color cards and prices. We do not put the paint on but can refer you to reliable parties who do this work. It will pay you to visit us before buying.

## Midland Glass & Paint Co..

1608-10-12 Harney St. (Opp. Bennetts) Tel. 791-734.

## FEW FIREPROOF BUILDINGS

(Continued from Page Twenty-one.) nearly uniform, and this new form of con- the low price of property. It is a fortunate

specifications in the future. An excellent type of the modern methods f fireproof construction is in the now materials are very low. Lumber, Portland building South Omaha public library. The cement, plastering materials, structural contract calls for an absolutely fireproof iron and steel, hardware and all manufacstructure, and it is being built under that ecification, barring only the doors and windows, which of necessity must have more or less wood about them. The Omaha Auditorium will also be a practically fireproof structure, and will be fitted with all the latest materials entering into fireproo-

Even the establishment of tanks on the tops of mercantile houses operates to very materially reduce the insurance rates, and while these tanks are regarded as architectural monstrosities, they are very effective adjuncts to fire protection, and are so regarded by the insurance underwriters.

MATERIAL IS MUCH CHEAPER

A. Sunderland Points Out One the Advantages of the Pres-

J. A. Sunderland of Sunderland Bros. company, who deal extensively in building necessities and supplies, in speaking of the outlook for the coming season, says:

"That the present activity in building i the result of necessity and not of specula tion is shown in the fact that almost all the down town building is for tenants already under contract, or for institutions that require new and enlarged quarters for their own use. The building of cottages and more pretentious residences is largely for the occupancy of owners, and notwithstanding the great number of new houses being erected there is a demand from rent-

into vogue, population has been steadily but slowly increasing

"This spring there is an extraordinary influx of people who have been attracted by Omaha's opportunities for business and struction will enter largely into building circumstance that at the time when what may be comparatively called a building boom is in sight, the prices of building tures of iron are much below the level of prices of two or three years ago, offering special advantages in low cost of build-

> ings. "This promises to be a year of great prosperity locally to mechanics, laborers, dealers and investors in the building line, and nothing can prevent it if everybody will pursue the even tenor of his way and co-operate to this end

#### BURGLARS WORK AT WATERLOO Enter Depot and Scatter Tickets, but

Get Little or Nothing of

WATERLOO, Neb., April 16.(Special.)-Burglars entered the depot at this place last night, but so far as could be discovered this morning nothing was secured of value. The tickets were scattered over the Entrance was affected by breaking a window light out and raising the win

### Involuntary Bankruptcy.

The creditors of Leonard D. Baldwin and Herbert D. Baldwin, doing business as partners under the name of Baidwin Brox., hardware dealers at Plainview, Pierce county, have filed a petition in the United States district court, asking that they be declared bankrupt. The petitioning creditors are the Marion Stove Works company, Marion, Ind.; Excelsion Stove Works, Quincy, Ill.; Majestic Manufacturing Company of St. Louis: Ohio Whip company of Osborn, O. The total amount of their claims aggregates \$622.76. The petition more accurately than many citizens the act of bankruptcy in December last and at estate and stock of merchandise to other preferred creditors without regard to the