

Wainwright

DOMESTIC ENGINEERING

PLUMBING . HEATING . LIGHTING . VENTILATING

Whole No. 298.

32-42 Dearborn Street, Chicago, Saturday, August 27, 1898.

Vol. XII. No. 9



ST. PAUL'S M. E. CHURCH, NEW YORK CITY.

R. H. Robertson, Architect

Baker, Smith & Co., Heating Contractors

HEATED WITH **AMERICAN RADIATORS** MADE BY

AMERICAN RADIATOR COMPANY

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Thing in buying Radiators is to get the value of your money by securing the best goods produced. We can give them to you. Write us.

Holland Radiator Company
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Works: Bremen, Ind.

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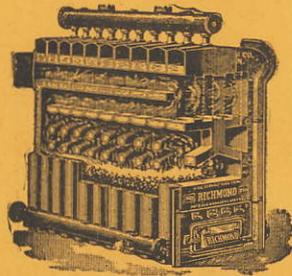
RADIATORS

STEEL TUBULAR AND FIRE BOX

BOILERS

Titusville Iron Co., 36 Dearborn Street, Chicago

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Makers
of...

RICHMOND

Boilers—Furnaces

NEW YORK OFFICE
85 CENTRE STREET

WORKS
NORWICH, CONNECTICUT



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MCCANN'S Backwater Valve

prevents the flooding of cellars by water backing up through the basement or area drains. Can be set in place in five minutes without breaking the sewer or basement floor. The simplest, cheapest and best valve on the market. Ask your jobber for it, or write

ANDREW McCANN
CHICAGO, ILL.

Radiators, radiator valves and steam specialties always at lowest ruling prices

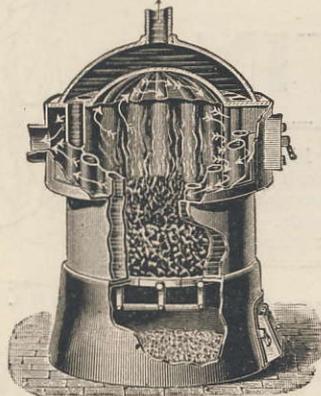
When wanting positive air valves, write me for prices



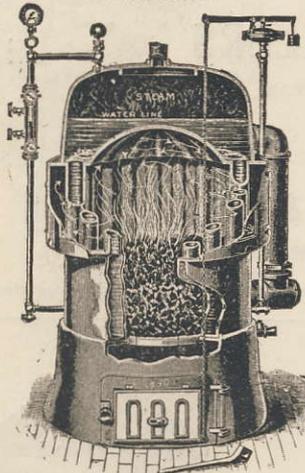
FRED D. JOHNSON, 80 CENTRE STREET
NEW YORK

THE ORIGINAL AND BEST

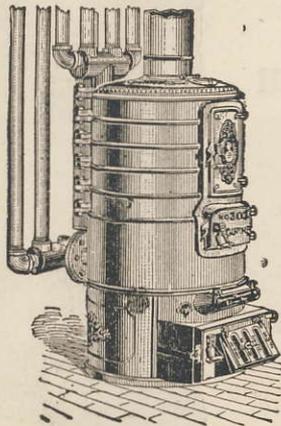
1898



Doric Hot Water Heater, Sectional View



Doric Seamless Tubular Steam Boiler Sectional View



Gurney Hot Water Heater, "300 Series"

Hot Water Heaters
Steam Boilers
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Made on Honor. Sold on Merit. For Efficiency, Durability and Economy they are unsurpassed. Send for latest serial catalogues

Sold only through the trade

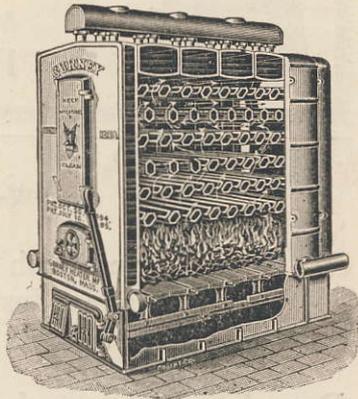


Gurney Safety Water Tube Steam Boiler

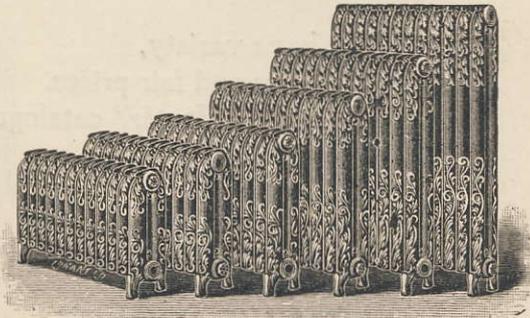
Gurney
Heater
Mfg. Co.

74 Franklin Street
Cor. Arch, BOSTON
MASS.

NEW YORK OFFICE
48 Centre Street
New York City



Bright Idea Safety Water Tube Hot Water Heater, Sectional View



Duet Radiators, for Hot Water and Steam



◆◆ BULLETIN ◆◆

This week it is Nickel-Plated Basin Supply Pipes, with and without Air Chambers, which we offer at low figures. We do not quote prices in Trade Papers, so drop us a line or Phone Main 1882 for them and on other goods. We carry the Ideal Low Down Combination and Centrifugal Traps, also Glauber Brass Goods in stock

Office & Show
rooms: 24, 26,
28 and 30 Mil
waukee Ave.
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Sanitary & Specialty & Manufacturing & Company
Long Dist. Phone Main 1882. H. Verbeek, Pres. J. H. Brouwer, Secy.

Stock Rooms:
55 and 57 N.
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The.....
FLORAL CITY BOILERS

Hot Water and Steam

Honest Ratings and Prices.
Write for Catalogue and Prices.

**Monroe Foundry &
Furnace Co...Monroe, Mich.**



Why not push a
good line of Instantaneous
Water Heaters

People will buy when they see them

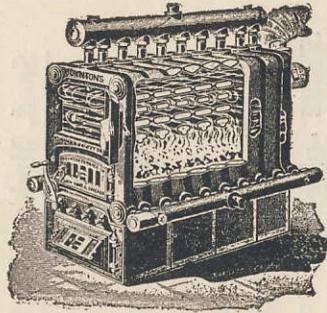
We have variety,
efficiency and fair prices.
Write for "Heater" catalogue



**DAYTON SUPPLY
COMPANY**

DAYTON, OHIO.

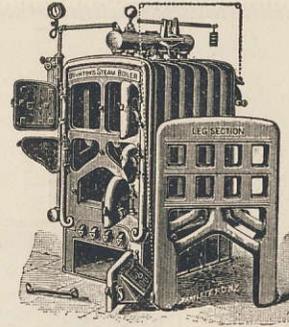




Water Heater

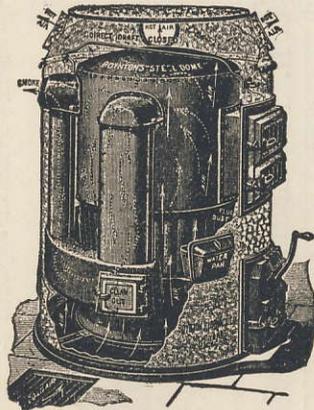
WE ARE MAILING TO THE TRADE

Our new CATALOGUES and DISCOUNT SHEETS for 1898



Steam Heater

If you have not received them send us your address. Our ratings and heating capacities are fully guaranteed—our castings sound and strong—joints perfect. We sell to the trade only, and give prompt shipments and satisfactory service in every way



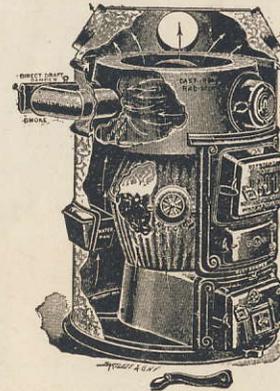
Coal and Wood Furnace



THE BOYNTON FURNACE COMPANY

207-209 WATER ST.
NEW YORK CITY.

44-46 DEARBORN ST.
CHICAGO.

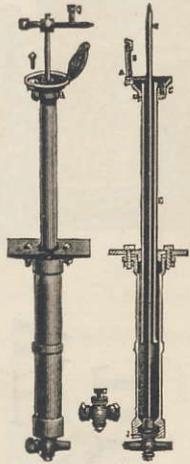


Soft and Hard Coal Furnace

PEERLESS CURB BOXES

FOR WATER OR GAS ARE

Sand, Mud and Water Tight



We also make
Improved Buffalo
Boxes, and a
General Line of
Plumbers' Iron
Ware

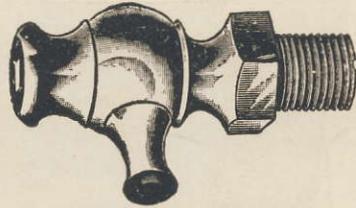
THE PEERLESS IS CHEAPEST IN THE END

It Will Pay to
Correspond
with Us

THE FLUSH TANK CO.
AURORA, ILL.

SUCCESSORS TO THE AURORA IRON WORKS

My specialties are Radiator Air Valves, both wood wheel and loose key, pet cocks brass ferrules, etc. I sell only to jobbers. Prices on application.



C. H. Muckenhirn, 134 E. Larned Street
DETROIT, MICH.

THE X RAYS, Their Production and application, by Frederick Strange Kolle, M. D., Radiographer to the Methodist Episcopal Hospital, member of the King's County Medical Society, the Brooklyn Pathological Society, the Long Island College Hospital, and King's County Alumni Association of Brooklyn, N. Y. A new book of 250 pages, bound in handsome cloth. It contains fifty illustrations, of which there are twelve full-page half-tone engravings. This work will be gratefully appreciated by every Physician, Student, Engineer, Electrician, Scientist, Professional Man and progressive reader. Price \$1, postpaid. Address orders to LACONIC PUBLISHING COMPANY, 123 Liberty Street, New York.

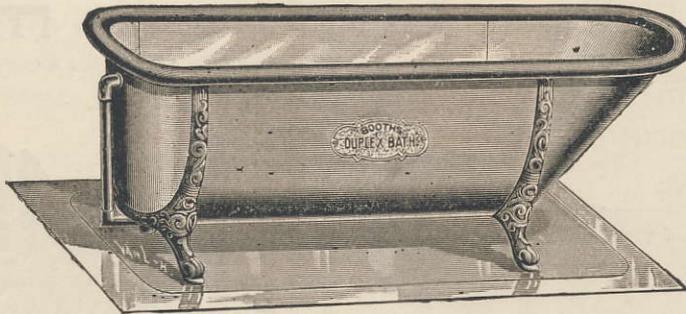
"Domestic Engineering"

Has a field of its own.

THAT'S WHY Advertisers Get RESULTS

BOOTH'S "DUPLIX" BATHS

ONLY ORIGINAL MANUFACTURERS



(Steel Clad. Copper Lined.)

LOW IN PRICE. HIGH IN QUALITY.

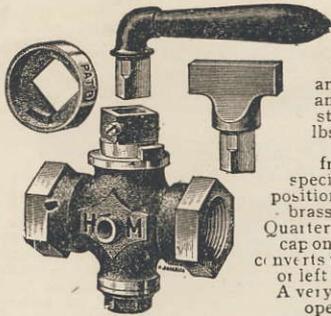
CORRESPONDENCE SOLICITED

STEEL BATH MFG. CO.

DETROIT, MICH.

If you **want** a really

First-class Stop Cock, use the
H. M. PAT. RIGHT AND LEFT



Tested and guaranteed to stand 200 lbs. pres. Made from our special composition of red brass metal. Quarter turn of cap on square converts to right or left at will. A very simple operation.

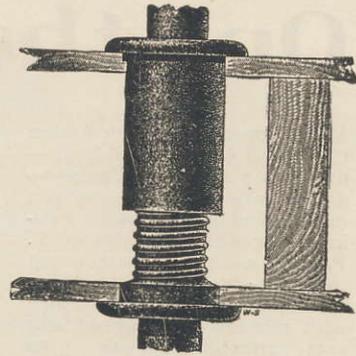
THEY DO NOT LEAK OR STICK

Manufactured only by  Every cock contains our brand **H. M.**

H. Mueller Mfg. Co. Decatur, Ill.

THIS IS A GOOD PLACE FOR YOUR AD. 

SEE! "IT SPEAKS FOR ITSELF."



VOSBURGH
PATENT ADJUSTABLE

Floor Thimble

and Ceiling Plate Combined

N. O. NELSON MFG. CO.
ST. LOUIS, MO.

SOLE MANUFACTURERS

Problem for the Jobber

If I buy an article at 35-10-10-5 per cent discount, what discount from list must I sell it for to make 20 per cent? To reach the answer requires a complicated mathematical calculation, yet it is very important that you should know 

Belden's Discount ..Book..

gives this information for each discount from 10-10 per cent to 85 per cent, and at a glance tells you the profit to sell at to realize 10 per cent, 15 per cent, 20 per cent, 25 per cent or 30 per cent profit on any discount between the extremes mentioned. It gives these profits in two ways, either on selling price or cost price. It also gives equivalents and nets of various combinations of discounts  Sent by mail postpaid on receipt of \$1.00

Domestic Engineering
32-42 Dearborn Street, Chicago, Ill.



Telephone Main 1576

JURGENS
BROS. CO.

Electrotypers
and
Stereotypers.

Half-Tone
Zinc & Wood Engravers.

148-154 Monroe St.
Chicago.



One that'll work

This deep Seal Syphon Action Combined Hopper and Trap—to operate with Low Tank—no uncertainty about it—one you can depend upon—has the well-known wearing qualities of T. P. Co.'s ware—guaranteed not to craze—it's a beauty, too—tastefully embossed—made with roll top—with or without seat attachment—ask your jobber for price—incidentally it might be mentioned that this company was the first to make a perfect working syphon hopper to go with low tank—and that it continues to make the very best fixture of this type—that's truth.

Trenton Potteries Co.

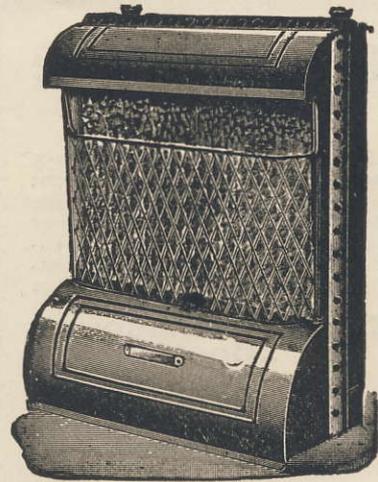
TRENTON
NEW JERSEY



CLOSET PULLS WITH CHAIN ATTACHED
READY FOR USE

THIS PATENT CAP WILL NOT PULL OFF

THE SMITH & EGGE MFG. CO.
BRIDGEPORT, CONN.



Natural Gas of
Supplies all kinds

PITTSBURGH SUPPLY CO. Ltd.

Pittsburgh, Pa.
231 Water Street

Write for Catalogue

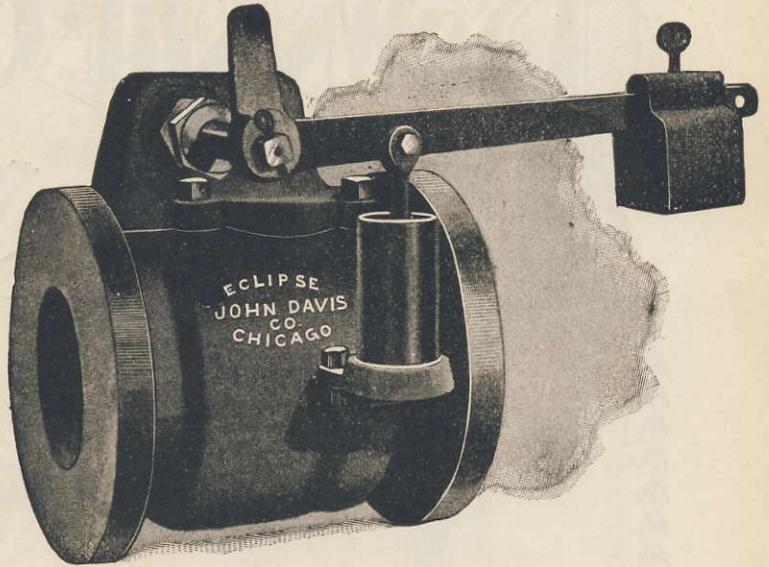
The Eclipse Pneumatic Back Pressure Valve

This valve is a two seated valve and is provided with an air cushion which prevents any hammering and makes it an absolutely noiseless valve. The valve can be used on either a horizontal or vertical pipe. Please state when ordering which is wanted. Compare this list with other makes of noiseless valves.

We make NIPPLES out of A. M. BYERS & CO.'S Full Weight Wrought Iron Pipe. All threads are clean cut and perfect. Ends reamed. We furnish them in any length and in sizes one-eighth to sixteen inch in diameter. Our prices are as low as any. Give us a sample order.

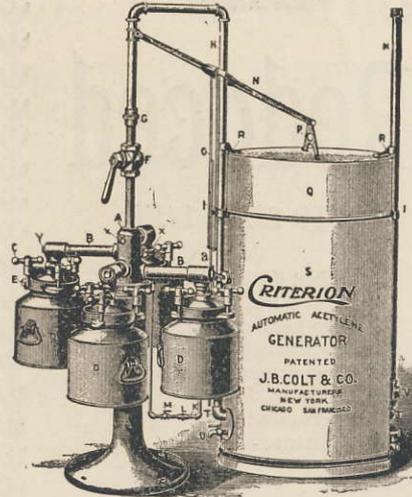
Manufacturers of Steam Heating and Plumbing Goods, Full-Weight Wrought Iron Pipe, Blue Blood Packing.

Complete catalogue and prices upon application.



The John Davis Co. 51 to 79 Michigan Street **Chicago, Ill.**

"Seein' things at night."—Eugene Field.



The Criterion Acetylene Gas Generator...

Furnishes a better, whiter light at a less cost than any other means of artificial lighting. Generators for all purposes from \$15.00 up. An opportunity for live agents. Write for information and mention DOMESTIC ENGINEERING.

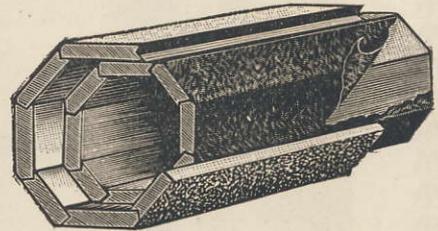
J. B. COLT & CO., Dept. B8
3 to 7 W. 29th St., New York

A. Wyckoff & Son

MANUFACTURERS OF

PATENT STEAM-PIPE CASING

...For...
Underground Steam pipes

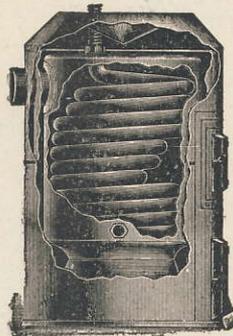


Two staves removed to show the lining between the inside and outside staves.

• ◦ •

111 EAST CHEMUNG PLACE
ELMIRA, N. Y.

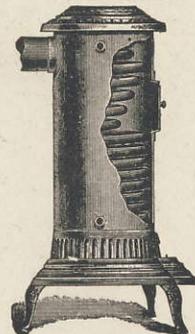
The Combination Hot Water Heater



For heating Houses,
Stores, Conservator
ies and Bath Rooms



The combination of hot
air and hot water can be
used, or hot water alone
Send for price list : : : :



The National Pipe Bending Co.

117 Lloyd St., New Haven, Conn.

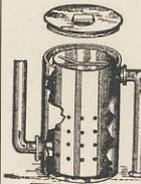
THE WHEELER MANUFACTURING COMPANY.

501-507 WEST 50TH STREET.

NEW YORK CITY.

PATENTED
ALIGNUM

TRADE MARK
FIRE PROOF AND SANITARY MATERIAL

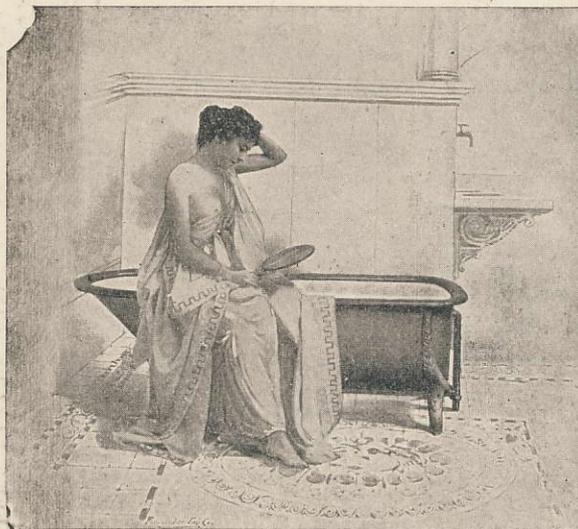


THE SIEBEN COMBINATION

GREASE AND WATER TRAP—

Prevents stoppage of
waste pipes. The BEST basin, uri-
nal, laundry, bath and grease trap
on the market. Cannot be sy-
phoned; saves vent pipes. Made
in lead, brass and iron, enameled.
Sold by supply houses. Send for
circulars and pricelists. The Sieben
Trap and Specialty Co., Kansas
City, Mo.

The Lady and the Bath



The lady who came from the Hub,
Wished to bathe in a Walker-made tub,
She returned from the bath
With a good hearty laugh,
And a look that gave Cupid a rub.

WALKER'S



TUB

is made from the best material
that can be obtained : : : : : :

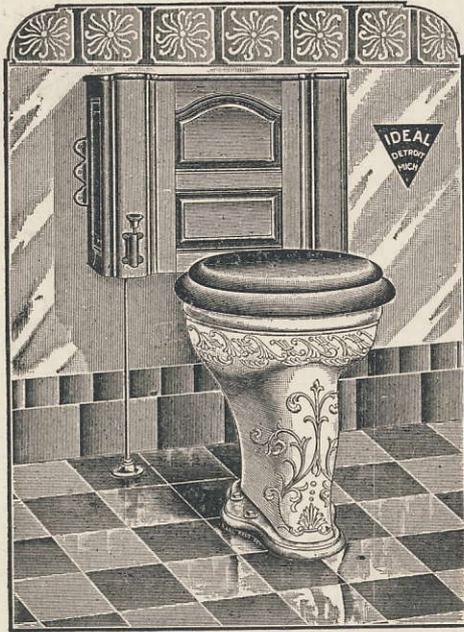
Our **STEEL ENCASED
COPPER LINED** Tubs

are finished in delicate shades of
Green Enamel and Gold on the
outside, and shine like burnished
silver on the inside : : : : : :

James Walker and Son

-- Manufacturers --

43 Jefferson Avenue, 129-133 Larned Street, West, . . DETROIT, MICH.



Patents Pending

IDEAL

Low Tank Closet Combinations

Occupies less space than any other
Low Down on the market

Simple in construction

Nothing to get out of order

Roughs in at twelve (12) inches

Can also furnish bowls to rough
in at seventeen (17) inches

Write for full particulars



Ideal Manfg. Company

Detroit
Michigan

Cleanliness is Health

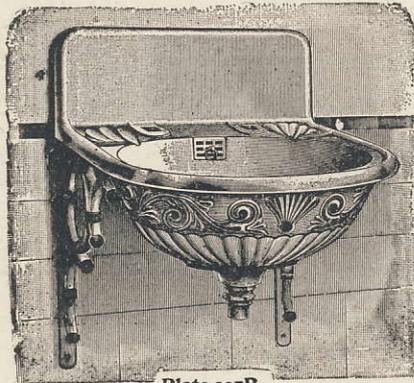


Plate 207B

Your work demands it
and it is best secured by
recommending your
customers to use our
Cast Iron & Porcelain
Enameled

Baths, Lavatories and Closets

They are modern in
style, perfect in finish,
and reasonable in cost.
At most jobbers

Dawes & Myler, New Brighton, Pa.

DOMESTIC ENGINEERING

PLUMBING . HEATING . LIGHTING . VENTILATING

WHOLE NO. 298.

SATURDAY, AUGUST 27, 1898.

VOL. XII. NO. 9

THE "METAL WORKER" AND NET PRICES.

THE retail plumbing trade of the country is now being awakened to the injustice which is being done the plumbing trade by the publication of net prices in the *Metal Worker* of New York City, and we are in receipt of the following resolutions passed by the Cleveland Master Plumbers' Association.

Resolved, That it is the sense of the Cleveland Association of Master Plumbers that no trade paper shall publish lists and discounts or net prices, as it is detrimental to the interests of the trade, and

Resolved, That a copy of these resolutions be sent to all trade papers.

The editor of the *Metal Worker* is not yet satisfied that his course, in publishing net prices, is distasteful to the manufacturers, jobbers and retailers engaged in the plumbing trade of the United States, and, regardless of the protests which have come from all sections of the country and from all branches of the trade, he is continuing to publish list prices with discounts. In the issue of the *Metal Worker* for August 13 there appears an article upon "the cast iron soil-pipe market," which publishes the price list of cast iron soil-pipe and fittings, adopted June 15, 1896, and gives a statement as to discounts which are given to the plumbing trade. This article will undoubtedly call forth additional protests from the trade.

From J. D. Abraham, Standard Brass Works,
Duncannon, Pa.

The publication, by trade journals, of net prices, is detrimental to the business interests of manufacturers, jobbers and retailers.

From James B. Clow & Sons, Chicago.

We have always believed that it is detrimental to the trade, but, if we were advertising at the present time, we would not place an advertisement in a paper that published trade prices.

From a Brass Manufacturing House.

Referring to the question of net prices being published in the *Metal Worker*, we have received the following letter from a company manufacturing brass goods:

"We find that the *Metal Worker* has again made quotations, in their July 23rd issue, on range boilers, speaking of the pool existing, and giving other details. We have recently taken our advertisement from this paper. The continuation of such bad practice will certainly gain the enmity of not only all the manufacturers, but jobbers and the general plumbing trade, also. We hope you will be successful in stopping this practice."

From the Ahrens & Ott Manufacturing Co.,
Louisville, Ky.

The prices which the *Metal Worker* has been publishing, and which purport to be market prices on soil pipe and fittings, are clearly wrong and misleading. Instead, therefore, of accomplishing any good for their subscribers by keeping them posted, they are simply misleading them and causing them unnecessary trouble.

We strongly condemn the policy of publishing trade prices in a journal which may fall into the hands of any and everyone, and we are satisfied that the *Metal Worker* is making no friends for itself by doing so.

From Dawes & Myler, New Brighton, Pa.

We regret very much to notice the disposition of the *Metal Worker*, which, in our opinion, is very detrimental to the jobber and manufacturer of plumbers' supplies, this being further evidenced by their publication, August 13, of list and discounts on soil pipe and fittings. We are not advertisers with these people, therefore we do not feel that we could write personally and criticize their action. Were we advertisers with them, there would be but one course that we could pursue, since they persist in a policy that cannot do anyone any good, but on the other hand can only work injury to their customers.

From the Milner & Kettig Company, Birmingham, Ala.

It is difficult for us to find words strong enough to condemn the practice of the *Metal Worker* in publishing list prices and

discounts on plumbing goods. We are very much opposed to any paper that adopts such methods.

We understand that this system of publishing wholesale prices and discounts was started years ago by the *Iron Age*. The latter began by publishing the prices of all kinds of metals, such as iron, lead, etc., and gradually extended the system until they now cover everything in the hardware line. The *Metal Worker*, being a branch of the *Iron Age*, is now devoting its particular attention to the plumbing supply business. They are now carrying out the same system adopted by the *Iron Age*, and we predict that in a short time the *Metal Worker* will have a complete price list and discounts on all kinds of staple plumbers' goods. In other words, the plumbing business is drifting into the same channels in which the hardware business is now being conducted.

We have heard much of "yellow journalism" conducted by newspapers, and it seems that we will have an era of "yellow journalism" conducted by the trade papers. This kind of business should be condemned by every merchant and manufacturer in the United States, no matter what line of business they are in.

BUSINESS CHANGES.

Red Oak, Iowa.—A. M. Lull has bought a half interest in the plumbing business of A. M. Briggs.

Boone, Iowa.—The Weinhart Heating Company have moved into new quarters in the Arie building.

Taylorville, Ill.—T. B. Kraft is going to move his store to John Colegrove's building on West Main Cross street.

Bridgeport, Conn.—Taylor & Nichols, plumbers, have dissolved partnership. The business will be continued by Wm. D. Nichols.

Bowling Green, Ky.—Cowell & Rabold, plumbers, have dissolved partnership, Mr. Rabold retiring. Mr. Cowell will continue the business and will pay all outstanding accounts.

Stillwater, Minn.—The partnership between William J. Hemsch and Oscar M. Acker, plumbers, is discontinued, and William J. Hemsch will continue the business at 118 East Chestnut street, and pay all debts of the late firm.

TRADE TOPICS TERSELY TOLD.

BY DENT YATES, KANSAS CITY.

Trade in Mexico.

The strike is over in Kansas City, and journeymen plumbers looking for jobs are plentiful. Most of the boys are fairly well dressed, but none of the journeymen are in the same class, as dressers, with J. C. McGee, called "Jim" for short. Jim called, yesterday, dressed to kill; he was sporting a diamond pin which he screws into his shirt with 14 inch gas pliers; his trousers were creased, and the rest of his raiment was a symphony. Jim had been working down in the city of Mexico, where the wages are \$7.50 per day (Mexican money) for journeymen plumbers, and everybody feels rich until they try to buy something with their money. Jim says the climate there is too hot to live with and not hot enough to melt solder without some assistance, so he jumped the country. Jim says there are one hundred and fifty American plumbers in the city of Mexico; he says the plumbing is mostly on the good old-fashioned lead pipe and lots of swipe order. American plumbing specialties are being used, Wolff's, Mott's and Cooper's mostly. He says a mechanic can get a job there, now and then, but he would better have money enough to travel in and out of the country, as it is a rough country to be "broke" in.

* * * *

The Omaha Trade.

Omaha has an exposition which is a credit to her people and a show well worth seeing. The writer has just returned from there, and among the many beautiful and instructive sights, none was more edifying than the courtesy shown each other and the harmony which exists between the local jobbers of Omaha, the Crane-Churchill Company and the U. S. Supply Company. In Kansas City you could not get these people within shouting distance, and one of them won't lend the other an elbow. But in Omaha—talk about sociability! why, Mr. Bush, of the Crane-Churchill Company, and Mr. Lewis, of the same firm, and Johnnie Rahm, of the U. S. Supply Company, all left their business cares for two hours, and took the sanitary enthusiast who writes these lines over to the trough, introduced him to a beverage

called "high ball," took him up to the Omaha club to dine, and John Hancock Swartz, Crane's city man, was along, too. They are doing a good business in Omaha, and they pull together in a way that it would be a grand thing for the Omaha plumbers to do.

* * * *

"Uncle John."

I met John Rowe, a man who has done as much for the upbuilding of our craft as any living western man, and a wonderful example of energy and virility. Think of a man in our line who has passed the allotted age of three score and ten, and who is not only able to sit up and eat, but able to stand up and scrap with any and all comers; and then, brethren, think of a man who has staid on earth that long, kept pace with the trade from the antediluvian days of round iron joints and hand-made traps, to the present age of perfection and price cutting, who has paid his bills, raised a family and always done the best business in town, both in Davenport, where I first knew him, and in Omaha today. It would be very hard to convince any sane person that John Rowe had no right to be in business. I am no meddler in the affairs of plumbers in other towns; it is more than we can do in Kansas City to keep our association members lined up, but I do sincerely hope that the plumbers of Omaha will do as the jobbers do—take a high ball together, and get John Rowe in the game, too. In the words of Patrick Henry (I don't know whether John Rowe did Pat's plumbing or not):

"If this be treason, make the most of it."

* * * *

I see by your paper that John C. Febiger, Jr., of New Orleans, La., has sued the plumbers. Mr. Febiger is the "upholstered millingitary" gentleman who is so hard for a traveling man to approach that it is almost necessary to sleep on his door-mat all night to see him next day—at least that is what one of the boys told me. I am truly sorry that Mr. Febiger, Jr., has busted the protocol and has gotten so all-fired good that a ten per cent margin is a deadly insult to his Annapolis-trained finer instincts. Now, Feb, old boy, be good and get back into your box. Lawsuits are a lottery, and the Railway and Mill Supply people ought to know better than to buck lotteries—it

wouldn't be professional courtesy, you know. Feb, you will find yourself out a whole lot of time and grief, and you will have no earthly show getting money out of plumbers that have been more sinned against by you than they have ever sinned, I'll guarantee. Now, Febbie, stop posing and try to make ten per cent on some of your contracts. If you want to fight, why don't you go and be an immune? it is not so far from New Orleans to Cuba, and you will keep in any climate. Now, don't get mad at me, Febbie, old boy, will you?

* * * *

An Indiana Subject.

Does any other of the brethren of our craft get fifteen or twenty letters every week from plumbers, fitters, helpers, and boss plumbers, asking for jobs, for information, for sympathy and for various other commodities, which are very scarce just now? Now that is one of the troubles that the sanitist who writes these lines, labors under. If the good people would only enclose stamps I would answer all the letters. I answer the stamped ones and pass up the stampless ones usually, but I reversed the rule the other day to accommodate a pin-headed cuss, who hails from La Fayette, Indiana, and thinks he is a heating engineer. Maybe he is; he said he worked in a foundry part of the time and it is pretty warm there. Well, anyhow, I answered the stampless smart Aleck's letter as politely as I knew how, regretting the impossibility of putting him to work at present, and merely suggested that he enclose stamps when he writes strangers. What does he do but write a letter, in which he tries to be real cutting and waxes indignant at my suggestion. Won't some of the Wallace boys hunt this little wart up and explain to him that I am only a one-hoss plumber and a piece of a heating man, and that I am not the inquiry department of the Ladies' Home Journal?

Mayersville, Pa.—A. L. Fahs is a new plumber at 904 George street.

NEWS FROM TRADE CENTERS.

IN CHICAGO.

Robert Ferris, a plumber at 6150 Morgan street, suicided, last week, by cutting his throat. No reason is known.

Added to his ordinary troubles, Thomas Gilmore, the West Madison street plumber, has been sued by Mrs. Bessie Fitzgerald. It seems Mrs. Fitzgerald was riding down Warren avenue on a bicycle and claims Mr. Gilmore was driving rapidly along the wrong side of the street without lights on his vehicle. She collided with him and broke her collar bone, and now sues for \$20,000 to heal her wounded frame.

John P. Ahrens, western manager of the Schlemmer Company, Cincinnati, O., is visiting the Chicago trade and will remain here several weeks visiting people in the interest of the O. S. fittings. A reduction has been made in these fittings, which Mr. Ahrens believes will secure him some large orders. He has taken an office at 161 and 163 Randolph street, corner LaSalle street.

The Journeymen Plumbers' Association had its annual outing at Monon Park last Sunday, and they enjoyed a pleasant time. Among the more familiar faces were those of D. J. Rock, John Sanders, John Denniston, J. M. McDermott, D. J. Tierney, P. K. Clayton, Wm. Marofske and E. C. Wagner. Among the salesmen was noticed the smiling countenance of P. J. Madden, who is always at home in the company of plumbers, as in former years he was a member of the craft and has earned the right to be called a brother chip. A game of baseball with the master plumbers' association was a failure, as only two innings were played when a dispute arose and the umpire quit the game in disgust, and the game ended. The bicycle race was hotly contested and was won by Ed. Smith. The other sports were won as follows:

1. 100-yard dash. Michael White: It was a silver loving cup donated by the J. L. Mott Iron Works, to be won three consecutive times before final ownership.

2. 100-yard dash. Won by Bob Coulter. Prize, a tool bag.

3. 100-yard dash for fat men weighing 200 pounds or over. Won by George P. Gubbin. Prize, a silk umbrella, donated by Greisheimer.

4. 50 yard dash for plumbers' wives. The

name of the lady who came in first is unknown. The prize was a center table donated by Spiegel. The second prize was won by Mrs. Opel and it was a Kelly shower ring, donated by Thos. Kelly & Bros.

5. 100-yard dash for steamfitters and juniors. The prize was won by Ed. Clark, and it was two boxes of cigars donated by M. J. Rose.

6. 100-yard dash for plumbers only. Won by J. Reidy. Prize, tool bag.

7. Old men's jump, for plumbers over 50 years. Won by Joe Alcock. Prize, a hat, donated by A. Gering.

Another feature of the entertainment was a cake walk, held in the dancing pavilion and the cake was won by Mr. Cunningham. A voting contest was held for the most popular journeyman plumber on the grounds. Five cents a vote was charged and the winner was Ben Abbott, who secured a prize of a tool bag and kit of tools, donated by the Master Plumbers' Association.

At 7 o'clock the first train returned to the city and brought most of the pleasure seekers. The balance came in later.

A New Ordinance.

The Chicago Master Plumbers' Association has all ready to present to the Common Council, upon the return of its members from the seashore or mountains, a new ordinance governing plumbers and plumbing. The proposed ordinance is as follows:

SECTION 1. No person, firm or corporation shall engage in or work at the trade or conduct the business of plumbing in the City of Chicago, who shall not have and maintain an established place of business in connection with such trade, or business, and who shall not have obtained a license therefor from the City of Chicago as provided hereinafter: *Provided* that any person who shall be the holder of a certificate of competency as to his skill in the art of plumbing, as provided by the ordinances of the City of Chicago and by the statutes of the State of Illinois, or an apprentice, may work at said trade or calling while in the employ of a person or firm regularly engaged in the plumbing business and holding a Master Plumber's license granted by said City of Chicago.

SECTION 2. No license for the trade or business of plumbing shall be issued to any

person who shall not have attained the age of twenty-one years, and shall not have an established place of business for such trade or calling, and who shall not be the holder of a certificate of competency as a master plumber, as provided by the ordinance of the City of Chicago and the statutes of the State of Illinois.

SECTION 3.—Every person desiring such license shall file with the City Clerk an application in writing, giving his full name, and the name of any firm of which he may be a member, and the name of each member of such firm, and the location of his place of business to be covered by the license applied for. Every such person shall, with such application, file with the City Clerk a bond, signed by two or more sureties, to be approved by the City Clerk, in the sum of three thousand dollars, conditioned that the applicant shall indemnify and save harmless the City of Chicago from all accidents and damages which may be caused by any negligence in the execution or protection of any street work he may do under and by virtue of his license, if issued. And said license may be revoked by the Mayor if he does not conform to all lawful requirements and regulations of the City pertaining to the business of plumbing in accordance with the ordinances of the City, and with the rules and regulations of the department of public works and with the department of health. The City Clerk shall notify the Commissioner of Health of the filing of such applications and bonds.

SECTION 4. Any person having the qualifications set forth in Sections 1 and 2 of this ordinance, and having complied with the requirements of Section 3 of this ordinance, shall receive from the Mayor or the City of Chicago a license to engage in the trade or business of plumbing upon the payment of a fee hereinafter provided. Every such license shall expire on the thirtieth day of April after its issuance. The fee to be paid for each such license issued during any month of any year, shall be considered a license for the year ending on the thirtieth day of April following, shall be thirty dollars for each and every place of business maintained by such person for the trade or business of plumbing. And no person, firm or corporation shall have or keep open any office or place for taking orders for plumbing or display any signs advertising any office or place for taking such orders

unless a license shall have been issued for carrying on the trade or business of plumbing at such office or place, as provided in this ordinance.

SECTION 5. Any person or persons who shall perform any plumbing work without first having obtained a license as herein provided for, shall be fined, upon conviction, not less than fifty nor more than one hundred dollars for each and every offense.

SECTION 6. Plumbing, within the meaning of this ordinance, is the placing and connecting of pipe or pipes, for the conducting of water, to or from any bathtub, washstand, water closet, sink, stove, heater and tank, laundry, tray, roof tank, or any vessel or appliance that is connected or designed to be connected, to the water or sewer system of the City of Chicago; also the setting, placing or regulating of any plumbing fixtures attached to such connections with said water or sewer system.

SECTION 7. When two or more persons are co-partners, or members of a corporation, the license shall issue in the name of some member of the firm or corporation who shall be the holder of a certificate of competency as a master plumber, and such license shall be valid and in force for such firm or corporation only during the time such licensee shall be a bona fide member of such firm or corporation and actively engaged in carrying on the business of plumbing for said firm or corporation, and no license shall be transferable.

SECTION 8. Any change of the firm name or location of the business of the licensee must be promptly reported to the Commissioner of Health and the City Clerk, and the license shall be posted in a conspicuous manner at the place of business of the licensee.

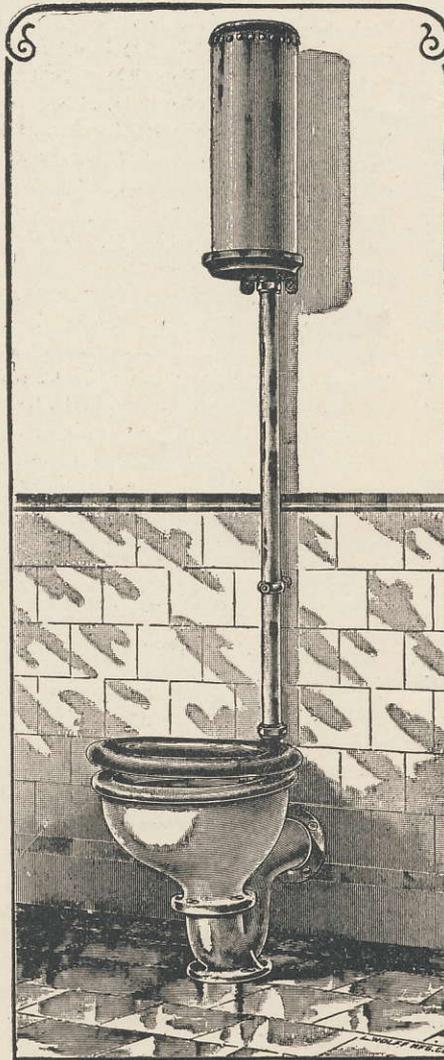
SECTION 9. All licensed plumbers shall be held responsible for all acts of their agents or employes done by virtue of his or their said license.

SECTION 10. Sections 1415 to 1421, inclusive, of Chapter 50, Article 1, of the Revised Code of Chicago, 1897, are hereby specifically repealed, and all other ordinances of the City of Chicago, or parts of the same, in conflict with this act, are hereby repealed.

SECTION 11. This ordinance shall take effect and be in force from and after its passage and publication.

L. WOLFF Manufacturing Company

PLUMBING GOODS



Wolff's Enamelled Iron Automatic Water Closets.

We are now making these closets as shown in this advertisement, also in Round and Oval Flush Rim Hoppers, Front Washout and Siphon Jet, also Hoppers with the valve below Frost Line.

Will be pleased to send illustrated circular upon application.



GENERAL OFFICES
93 W. Lake Street

SHOW ROOMS:
91 Dearborn Street

CHICAGO

BRANCH: Denver, Colo.

IN ST. LOUIS.

The July issue of the official directory of the Trans-Mississippi League of Master Plumbers, organized early in the year has just been received here. The states of Colorado, Kansas, Missouri, Nebraska, New Mexico and Wyoming are now covered by the organization. M. J. Ward, of the executive committee, stated today that fully 90 per cent of the plumbers of the states mentioned are now members.

The officers are as follows:

President—Wm. Bellamy, Omaha.
 First Vice-President—W. T. Crean, Denver.
 Second Vice-President—
 Secretary—G. K. Black, Omaha.
 Treasurer—Henry Goss, Kansas City.

These and M. J. Ward, of St. Louis, constitute the executive committee.

J. T. Bradley & Co. have secured the contract for new steam heating apparatus for the building of the Bank of De Soto, at De Soto, Mo., which is being remodeled.

The Modern Heating Company have secured the contract for the heating of the Newberry residence.

I. B. Moore, representing the Ashcroft Manufacturing Company, was among the week's visitors.

R. T. Crane, Jr., of the Crane Company, Chicago, paid a visit to St. Louis on Saturday last.

W. Whittaker, of the L. M. Rumsey Manufacturing Company, visited relatives at Springfield, Mo., over Sunday.

There's a stack of good plumbers from the outside in town this week. Here's a few of them: Henry Herold, of Herold & Sons, Plattsmouth, Neb.; Mr. Jenkins, of the City Plumbing Company, of Murphysboro, Ill.; Mr. Mansill, of Mansill Bros., Cisco, Tex.; J. B. Twellmeyer, Yazoo City, Miss.; J. H. Mulligan, Vicksburg, Miss.; R. T. Connell, St. Joseph, Mo.; F. J. Butler, of F. J. Butler & Co., Greenville, Miss., and Mr. Lillard, of Lillard & Co., Decatur, Tex.

An item from Belleville, Ill., states that the plumbers' union will be permanently organized this evening.

L. F. Ostrander, than whom no better nor more favorably known man has ever circulated among the Illinois plumbers, has returned from the east feeling much recruited in health and has accepted the position with the N. O. Nelson Manufacturing Company

as representative for them in Northern Illinois, Indiana and part of Iowa. He is now posting up. Mr. Ostrander formerly covered the same territory for the Ahrens & Ott Manufacturing Company.

IN SAN FRANCISCO AND THE WEST.

There are no large steam or hot water heating contracts flying around at present in San Francisco, although the factories and shops are quite busy with small work. There are, however, some good sized contracts in sight to be let in the near future, and the indications are for a good fall business in San Francisco.

The contract for plumbing and heating the Preston Industrial school, at Waterman, Cal., was let August 22. It will be quite a fair sized job. We will publish the results of the bidding later.

Through some mistake in advertising the contracts for the Ukiah insane asylum, at Ukiah, Cal., the contracts that were let are declared void, and bids are to be readvertised for, to be opened September 3.

Holbrook, Merrill & Stetson, San Francisco, are quite busy on small jobs, but expect some large work later.

J. G. Grannis, San Francisco, has completed the job at Rosenberg Brothers' dried fruit factory, the placing of new boilers, motors, shafting, etc.

The plumbing work on the Masonic Widows' and Orphans' Home at Decoto, Cal., will cost \$2,000. H. C. Holmquist, a plumber at Redwood City, Cal., has the contract.

The office of plumbing inspector has been created at Tacoma, Wash.

The plans of D. D. Neer, of Portland, Oregon, have been accepted for the new court house at the Dalles, Oregon. The building is not to cost more than \$40,000.

W. A. Julian who for several years conducted the Julian Plumbing Company at San Diego, Cal., has moved to Los Angeles, Cal., where he is engaged in the same line of work.

W. W. Montague & Co., San Francisco, expect business to be rushing before a great while, although business is very good now, but jobs are small and scarcely worth mentioning. Their business has been better this season than for five years past.

Ickleheimer Bros., San Francisco, have enlarged their plumbing department, and now have plenty of space for workshops and storage. This firm is doing a good business and is growing right along.

THE WHOLESALERS.

News of the Manufacturing and Jobbing, Plumbing and Heating Trade.

OF INTEREST TO PLUMBING TRADE.

Haydenville Still Unsold.

The assignees of the Haydenville Manufacturing Company are still in possession of the company's plant, both of the efforts to organize companies by A. S. Hills and Joel Hayden, reference to which has been made heretofore in these columns, not having reached a decisive purchasing point.

Increasing Business.

William Heap, Muskegon, Mich., was in Chicago this week and reports a very great improvement in the outlook for business in his factory. Several carload orders have been received since peace was reached, and Mr. Heap has been obliged to add buildings to his plant in order to carry on his rapidly increasing business.

Carried by Chicago Jobbers.

The McCann back water valve, made by Andrew McCann, Calumet avenue and Forty-seventh street, this city, is now to be obtained of the following Chicago jobbers: John Hardin, 4539 Cottage Grove avenue; Sanitary Specialty Manufacturing Company, 26 Milwaukee avenue; Weil Brothers, 38 West Randolph street, and Walcott-Webster Manufacturing Company, 15 North Clinton street.

Trade in South Africa.

In view of the fact that considerable plumbing and steamfitting supplies are being sent from this country to South Africa, it may be well to consider briefly the South African industrial and art exhibition, which is to be held at Grahamstown, this year and next, as a means of increasing trade in these two lines. The president of the exhibition is His Excellency, Sir Alfred Milner, K. G.

C. M. G., K. C. B., governor of Cape Colony, and Her Majesty's High Commissioner in South Africa. The exposition will open December 15, 1898 and close January 21, 1899, and exhibits from the United States will be welcome. Exhibits from this country will be brought into any port in the colony in bond, carriage free, which will not be subject to duty unless they are sold. It is expected the steamship companies will carry exhibits from this country at reduced rates. For further particulars as to exhibits, application should be made to the Western Export Bureau, 185 Dearborn street, Room 32, Chicago.

Central Supply Meeting.

The next meeting of the Central Supply Association will be the annual meeting and will be held at Omaha, September 13. The "Shriners" of the United States will hold their festivities there September 13, 14 and 15, and an especially low rate of fare is being made by the railroads, and every member of the association should avail himself of this special rate and attend the meeting. We are informed by those who have attended the Omaha exposition that it is one of the very best expositions of the kind ever held in the United States, in some respects even going ahead of the World's Fair, and in its general result being only second to it. The special rate made by the railroad companies can be obtained from any local ticket office and is good for trains leaving various points September 10 and 11 and returning until September 21. The Chicago members will go by the Chicago & Northwestern railway, the officers of which have always treated the association particularly well. A special car will be furnished the members and every effort will be made to make the trip thoroughly enjoyable. Members from other cities who wish to accompany the Chicago members will be welcomed in their special car. In Omaha the local members are working as a unit to make the occasion a memorable one.

Happenings of General Interest to the Wholesale Heating Trade.

Their Annual Convention.

The national convention of stationary engineers will be held in Pittsburg, Pa., September 6.

Have the Frontier Valves.

The Frontier Iron Works, Detroit, Mich., inform us that the new quarters for the officers' military post at Fort Hancock, N. Y., will have Frontier radiator valves on all radiators.

Smead System Defective.

In Bristol, Conn., in the Federal Hill school, the Smead system of heating has proved defective and the company which put it in has been obliged to make it good and remove its defects.

The O. S. Fitting.

We are advised by the New York office of the Schlemmer Company that the O. S. distributing circuit and Temple vent fittings can be had in any part of this country or in any foreign country, as stocks of assorted sizes are placed in all principal cities. In Canada the Gurney Foundry Company, Toronto, and the Gurney-Macy Company, of Montreal, will be the distributors.

Business Improving in Chicago.

There is every evidence there is going to be a good fall trade in the plumbing and heating business. More building permits have been taken out in Chicago in July and August thus far than were issued during the entire summer of 1897. Jobbers nearly all report a distinct improvement in city trade, and manufacturers located in Chicago report themselves as being quite busy.

Improving Business.

Secretary Dunn, of the Laidlaw-Dunn-Gordon Company, of Cincinnati, manufacturers of steam pumps and factory supplies, reports that business is better with them than it has been for the past three years. Other members of trades collateral with the plumbing and heating trades in Cincinnati, make a similar report, and claim the outlook is all that could be asked.

The Influence of a Fad.

A very marked change in the installation of heating boilers is noticeable in the Chicago trade this year. Fire box boilers have been called for to fully twice as great an extent as in any previous year, and the regular house heating boiler trade has suffered in consequence of the introduction of this type of boiler for heating purposes. One firm, who sold in 1897 about fifty boilers of this type for house heating purposes in the Chicago market, has sold so far this year

over one hundred and fifty, and other firms report the same increase in quantity. The larger manufacturers of cast iron house heating boilers now find it necessary to be prepared to quote prices and deliver fire-box boilers as well. This is thought by some dealers to be purely a fad which will outgrow itself and its origin is explained by the fact that a manufacturer of tubular boilers introduced a cheap fire-box boiler into the market last year, and that this competition called forth from other makers boilers of a type to meet it, and as a result the use of the fire-box boiler has grown considerably. It is one of those things in the heating trade which may be a permanent departure from previous custom or it may only be noticed for a year or so and then drop back to the use of heating boilers of the regular types.

Heating Exhibits at Paris Exposition.

Manufacturers of heating apparatus who are looking for foreign markets may find the Paris exposition of 1900 a good opportunity to forward their export business. The following is the classification of exhibits in Class 73, under the head of "Apparatus and Processes of Heating and Ventilation."

1. Systems of heating and ventilation.

Heating by steam, hot water, hot air, and by their combination.

Processes of distribution and preparation of steam, hot water, hot air, applied separately or in conjunction.

Natural ventilation. Ventilation by openings or by mechanical means and their combination.

Plans and methods of heating and ventilation of buildings, public buildings, manufactories, dwellings.

2. Accessories.

Grates, generators peculiar to divers systems of heating.

Surfaces of transmission of heat of all systems and of all dimensions. Steam or hot water stoves. Steam or hot air batteries. Pipes for heating. Hot air furnaces.

Ventilators and displacers of air. Chimneys or openings. Processes for the direct renewal of air in heated or ventilated places.

3. Apparatus of domestic heating.

Preparation and cooking of food.

Fixed or movable stoves and chimneys.

Appliances for heating with mineral oil and gas.

Steam kitchen. Kitchen ranges of all systems.

Mixed stoves used for two purposes at once—for cooking food and heating dwellings. Stoves peculiar to certain food industries. Stoves with fixed and movable appliances used for the preparation of food and of drinks for many.

Ventilators put in action by wind or by differences of temperature.

Sanitary improvements of kitchens and small apartments by means of ventilation.

4. Accessories for heating and ventilating.

Instruments of measure and control; thermometers; thermometers regulating at a distance; pyrometers; anemometers; manometers for the measure of weak gaseous pressure and the water level in the circulation; steam gauges; registering apparatus of all kinds.

Apparatus for regulation and distribution; regulators of temperature; regulators of draught; regulators of pressure; automatic purifiers of condensed water and air; special faucets for heating apparatus.

5. *Accessories of chimney-building.*

Blowers. Radiators for heat and openings for ventilation. Grates and chimney backs. Metallic covering for heating apparatus. Special piping. Chimney pots and smoke consumers.

6. *Ceramic products.*

Stoves and chimneys in pottery. Decorated pieces. Pottery of all kinds for chimney building. Refractory products for hearths, furnaces, stoves and chimneys.

7. *Accessories for heating.*

Hearth articles. Fire lighters. Cinder separators. Tools for cleaning and keeping in order.

Ferdinand W. Peck, of Chicago, commissioner-general for the United States, will furnish details to intending exhibitors.

PERSONAL.

J. J. Cullen, of Cullen & Stock, St. Louis, is among visitors to the Chicago market this week.

P. F. Welch, a well known plumber, will be a candidate for nomination to the common council in Lowell, Mass.

Oswald Cullington is to serve Lawrence, Mass., as plumbing inspector during the absence of his father, who is on his vacation.

Robert Duncan, plumber at 296 Main street, Paterson, N. J., has been stricken with paralysis, which is the second stroke to which he has been subjected.

John E. Fitzgerald has been appointed plumbing inspector in St. Paul, Minn., in place of Peter A. McQuillan, who has resigned to go into business in Michigan.

Henry Adams, of Washington, chief of the department of heating and ventilating, in the office of the supervising architect of the treasury department, has been visiting Omaha and Sioux City.

Henry Goss, president of the Kansas City Master Plumbers' Association, provided the lead box which was put in the cornerstone of the new agricultural hall in Kansas City, which will be, it is said, the largest auditorium building in the United States.

A. M. Parker, of the Detroit Range Boiler Company, Detroit, Mich., visited the Chi-

cago trade this week and took away with him some good orders, notwithstanding the heat. Mr. Parker is making quite an extended trip among the jobbers of the central states.

Charles Van Dercook, plumbing inspector of Cohoes, N. Y., has been presented with \$100,000 by a sister, Mrs. Emily Brown, who was married some years ago to a sea captain. The latter turned over to his wife a deed to certain lands on the Isthmus of Panama, which, for a time, Mrs. Brown thought worthless. It has developed, however, that the land is worth considerable, as the Isthmus of Panama and Pacific Railway desires to extend its system to Costa Rico, and purchased the land from Mrs. Brown. It is estimated that Mrs. Brown is worth more than \$1,000,000, and she gave Mr. Van Dercook and his sister, Miss Mary Jane Van Dercook, \$100,000 each.

FINANCIAL TROUBLE.

New York City.—The business of Alexander Law, a well known plumber of 228 West One Hundred and Sixteenth street, has passed into the hands of M. A. Lesser, receiver.

St. Louis, Mo.—The Moe & De Voll Incandescent Gas Lighting Company has given a chattel deed of trust for \$4,714.04 in favor of A. S. Newby and eighteen other creditors.

New York City.—On August 17 judgment was entered against Josiah S. Lindsay, plumber, for \$1,712. Mr. Lindsay has been in the plumbing business since 1886 and has done considerable work on large contracts. Three years ago he claimed to be worth \$40,000.

Cleveland, Ohio.—B. L. Rouse, president of the Rouse & Hills Company, has filed a petition in the United States district court to be declared a voluntary bankrupt. The assets are placed at \$60,000 and liabilities are said to be about the same.

New York City.—The failure of the Central Stamping Company, manufacturers of tinware and sheet metal articles, is interesting to the trade only in so far that the well known firm of Lalance & Grosjean was formerly a member of this company, but left the company some time ago.

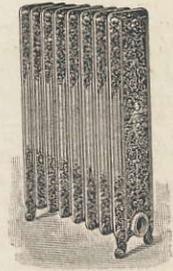
Cincinnati, Ohio.—The Sarran Manufacturing Company, organized to manufacture acetylene gas machines and fixtures, are in

"Better to be sure than to be sorry."

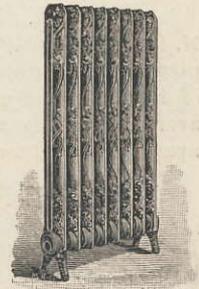
It is not always what you pay
for your boilers and radiators—it is

**what they
pay you**

Advocating the sale of efficient
and durable goods is sure to pay,
and handsomely, in the end. It
is the only certain road to con-
tinued and substantial success.



Italian Flue



National Single Column

AMERICAN RADIATOR COMPANY

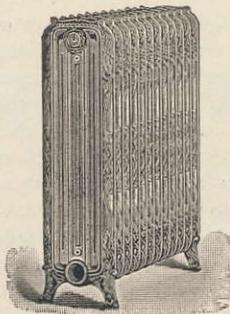
Lake and Dearborn Sts.
CHICAGO

Branches...

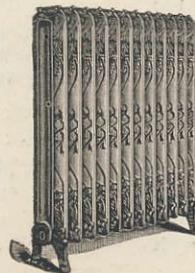
New York, Boston, St. Louis,
Denver, Philadelphia, Minneapolis,
London.



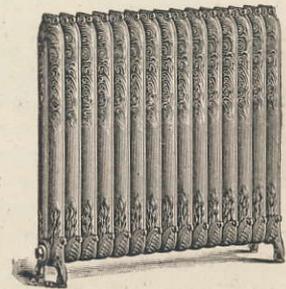
Rococo



National Four Column



National



Perfection

trouble. The stockholders are fighting among themselves. Leon Monteil, one of the stockholders, has filed an application to dissolve the corporation, on the ground that the purposes of the organization were impracticable.

RETAIL TRADE.

Their Annual Picnic.

The annual picnic of the Des Moines Master Plumbers' Association was held August 18 at Greenwood Park.

A Sanitary Test Case.

Jacob Du Bois, a contractor in Jersey City, N. J., has been fined \$50 for failing to file a plan of the plumbing work with the board of health in the building at 65 St. Paul's avenue. This is a test case and will be appealed.

Bad Plumbing in the Schools.

David D. Chandler, health officer of Newark, N. J., has made a report to the board of education as to the sanitary condition of the schools of that city. Out of twenty-six schools examined only four were found to be in a healthy condition. The plumbing in these four schools was reported as being first-class, in the other twenty-two it was said to be bad.

An Ingenious Plumber.

During a recent fire in Huntington, Tenn., Mr. Roberts, a plumber, who has recently settled there from Nashville, seeing that one piece of hose which the fire department had would not get the fire under control, improvised a nozzle which enabled the fire department to use another line of hose and by the use of this improvised piece of fire-fighting apparatus, several important buildings were saved from burning.

A Shocking State of Affairs.

In Oswego, N. Y., a committee from the Outlook club has been investigating the condition of the public schools and finds the most shocking state of affairs. Without going into details it will be only necessary to publish the recommendations of the committee, which are as follows:

1. That the old style vaults should in all cases be replaced by flush closets.
2. All buildings should be supplied with non-absorbant slate urinals.
3. No clothing should be allowed to hang

or be stored in the school rooms. Proper cloak rooms should be provided in all cases.

4. The better ventilation in accordance with modern methods and also better arrangements for the lighting of rooms in some instances by shades and in others perhaps by a change in the style or location of windows.

5. Single seats in all rooms.

6. New flags for several buildings and instruction in the care and preservation of the same.

7. Special attention is directed to the condition of the closets at school building No. 3, these having been used by the laborers engaged on the street improvements.

Finally, we offer it as our opinion that public sentiment already favors better school buildings with the improved, modern conveniences and proper sanitary arrangements even at the peril of an increased tax ratio; and we feel that we do not mislead your honorable body when we say that such at any rate is the sentiment of the women of Oswego nor that we take undue liberty when we pledge you their hearty co-operation in any reasonable effort to compass these much needed school building reforms.

ASSOCIATION NEWS.

New Haven Plumbers' Outing.

Last Wednesday the New Haven Master Plumbers' Association held its third annual outing at Mansfield's grove. This was the largest meeting of the kind the association has held. The day was an ideal one, and a great deal of entertainment was provided for those who attended. Thirty-five members and guests sat down to a bountiful shore dinner. Among those present were Health Officer Dr. F. W. Wright, Ward Bailey, of the health board, and E. A. Creevey, of Bridgeport, a member of the executive committee of the state association of master plumbers. After the dinner President Theodore A. Potter addressed the members briefly and installed S. E. Dibble toastmaster. After remarks by Mr. Dibble, Dr. Wright made an address on the relations of a physician to the plumber in sanitary matters. Other addresses were made by Mr. Creevey and Mr. Bailey, Robert Morgan, W. H. McDonald, C. E. Coe, E. A. Rourke, C. U. Neuman and A. B. Sproul. J. D. Eldridge, plumbing inspector, also

made a speech. At the close of the afternoon's enjoyment, at the suggestion of Toastmaster Dibble, "America" was sung with great earnestness. The committee in charge of the affair consisted of D. M. Sheehan, W. A. T. Smith and C. E. Coe.

BUSINESS NOTES.

Topeka, Kan.—Prescott & Co. have the plumbing contract for Charles Jones' residence.

Lynn, Mass.—Isaac E. Wyman is having J. I. Wiley heat his house with a Winchester heater.

East Chatham, N. Y.—C. H. Clark has the contract for placing a new heater in the school building.

Bristol, Conn.—Roberts & Arnold have the plumbing contract for two of Dr. Thorpe's new houses.

Quincy, Ill.—The plumbing contract in Bowen school house has been given to the E. Best Plumbing Company.

Lincoln, Neb.—John Roberts made the lowest bid to furnish the new apparatus for the public building at \$2,399.

Quebec, P. Q.—Vandry & Matte have the plumbing contract for a \$75,000 building to be erected on St. Louis street.

Milwaukee, Wis.—A low pressure steam heating system will be used for a new school to be erected in the Third ward.

Dorchester, Mass.—W. E. Florence is heating two houses for Thos. H. Kearney, and is using Winchester heaters.

New Haven, Conn.—Wm. H. Morrison has the heating and plumbing contract for the new town hall in Torrington.

Old Town, Me.—E. A. Blanchard has the contract to put in elaborate plumbing in M. W. Sawyer's residence at Milford.

Westerly, R. I.—Abel P. Randall has been awarded the plumbing contract for Edward H. Babcock's new residence.

Marshalltown, Iowa.—Lennox Machine Company are reported to be getting the majority of the furnace work in the city.

Des Moines, Iowa.—The heating and plumbing contract for the Mercy hospital has been awarded to Wallace & McNamara at \$6,600.

"UTILITY" PUMP GOVERNOR

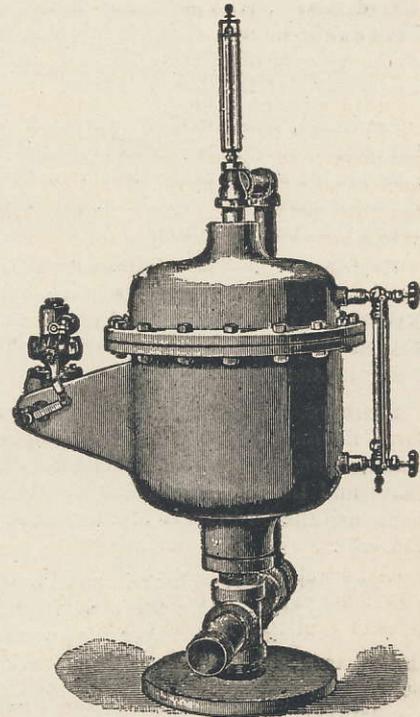
Governs the action of the steam pumps by the amount of condensation returning from a steam-heating plant. Used for various purposes where the automatic control of pumps is desired.



The Standard Steam Specialty Company

No. 83 Centre Street
CITY OF NEW YORK

New Catalogue just out—write for it



Olathe, Kan.—C. A. Chaney, Topeka, has the contract for the steam heating apparatus in the Johnson county courthouse at \$1,547.

Milton, Mass.—J. Edwin Swan has the contract for heating George H. Cameron's house. The Winchester heater is being used.

West Grove, Pa.—H. M. Johnston has the contract for putting in heating apparatus in the greenhouses for C. D. Harvey at Kennett Square.

Manchester, N. H.—The Manchester Heating and Lighting Company have the contract for plumbing the Pearl street school at \$440.

Amesbury, Mass.—E. A. Collum, of Rowley, has the contract for heating Dr. J. J. Murphy's two houses. He is using Winchester heaters.

Boston, Mass.—The new Reynolds hotel is said to be the first building in Boston to have a complete set of plumbing fixtures of imperial porcelain.

Milwaukee, Wis.—Phil H. Murphy Company bid \$979 for altering the plumbing in the tenth district primary school and theirs was the lowest bid.

Ogdensburg, N. Y.—Charles Lavier has been awarded the contract for putting in a direct system of heating in the custom house and postoffice here at \$4,806.

Louisville, Ky.—Fred. A. Clegg & Co., 238 Third street, have been awarded the contract for a new boiler and remodeling the heating and power plant of the Young Men's Christian Association.

Evanston, Ill.—The Northwestern University will have the largest steam plant in Evanston. It is proposed to erect an outside steam plant to heat the science hall, Fisk hall and the academy.

Pittsburg, Pa.—Weldon & Kelly have a large number of extensive plumbing contracts, among which are the Smith building, Sixth and Liberty streets, Liberty market house and the St. Francis Mother house of Millvale.

Worcester, Mass.—There is considerable indignation here among the local steamfitting trade against the mayor for awarding the contract for heating a public school building to an outside contractor without competition.

Buffalo, N. Y.—Irlbacker & Son, 529-533 Main street, have the contract for heating public school No. 28 with a hot blast system at about \$5,000. They also have the plumbing and heating contract for the Sidway summer home on Grand Island, amounting to about \$6,000.

Kansas City, Mo.—Dent Yates has been awarded the contract for the plumbing and heating in the new Union Station. Dent says his memory is so short he does not really know what price he got for it, but it is a big job; other people say somewhere in the neighborhood of \$10,000.

Carbondale, Ill.—The Smart Treadle Company desire to correct an item which appeared in our last week's paper. They have a contract to take out of the high school building at Mt. Vernon, Ill., a stationary tubular boiler and put in three of their own water tube magazine feed boilers with 900 feet of additional radiation.

Topeka, Kan.—The Hope Ventilating Company, Kansas City, secured the contract for heating and ventilating the ward building at the Topeka insane asylum for \$8,549. The contract for plumbing the building was given to John Sheahan, Topeka, for \$1,825. The Hope Ventilating Company was also given the contract for heating and ventilating the new cottage at the Winfield asylum for \$5,755.

Plainfield, N. J.—D. J. Galbraith has the following contracts on hand: Plumbing and heating in F. W. Runyan's dwelling; plumbing and hot water heating in A. A. Stryker's cottage, North Plainfield; plumbing in two cottages for E. M. French; plumbing in three cottages for Charles Giese; plumbing and heating a cottage for W. S. Arthur; plumbing of E. E. Marshall's dwelling at North Plainfield; plumbing and heating in two cottages for Wm. Brokaw.

Ecorse, Mich.—At a recent meeting of the school board it was decided to heat the school building by steam, and the contract was let to Ferguson Bros. The same night the Ecorse Boat club gave a picnic, and John Wesley Battishill killed James St. John. In the midst of this diversion the bids for heating the school building were lost. Ferguson Brothers, however, began work the next day and have been working ever since. They are now asked by the school board to sign the contract at \$4,015, while Ferguson Bros.,

say their bid was \$4,513; and the board and the contractors are scrapping over the amount.

Chicago, Ill.—C. W. Hill has secured the contracts for heating the following buildings: an apartment building at 334-336 East Fiftieth street, for I. H. Sloan; an apartment building at Thirty-fifth street and Rhodes avenue, for S. T. Cooper, using Lily steel boilers and two firebox boilers; two apartment buildings for J. E. Cockburn, at 5241-5247 Indiana avenue, using Bremen radiators; also one at 4115-4117 Indiana avenue, firebox boiler and Titusville radiation; an apartment building at Fifty-fourth place and Ellis avenue, for Wm. H. Patterson, using Lily steel boilers; also Swedish Mission church at Fifty-ninth and Carpenter streets.

ADVERTISING HELP.

(Conducted by Albert H. Snyder, 1319 Chamber of Commerce, Chicago.)

PITTSBURG, Pa., August 15, 1898.

ALBERT H. SNYDER.—*Dear Sir.*
We mail you, under separate cover, a copy of our new No. 19 Catalog of Gas Heating Appliances. You have been kind enough, for the last two years, to favor us with your criticisms, on our Fall Catalogs, in DOMESTIC ENGINEERING, and the faults we have tried to overcome in the present edition, viz., finish and weight of paper, uniform headings and sub-heads, toughness of cover, etc. Will you kindly favor us with your opinions of our No. 19 Catalog, and oblige
Yours truly,

REINEKE, WILSON & Co.

I think Reineke, Wilson & Company have this season a better looking catalogue and one that will prove more effective than either of those previously submitted. The cover is quite attractive, being printed in three colors from a half-tone engraving. On the front is shown a portion of the globe, supporting a blazing natural gas stove, the latter standing out boldly against the setting sun, which serves as a background. The stove secures its supply of gas through a tube attached to a spot on the globe marked "Pittsburg," this serving to make prominent the home of the firm. The title on the cover, "Natural Gas Appliances," tells what the book is about. The cover paper is not strong enough—is not as tough as the cover on last year's catalogue. I notice an improvement in this season's book over previous catalogues in the quality of paper for inside of catalogue. I notice, also,

that a much needed index has been added, that fewer styles of type are used, and that full information about the ordering and returning of goods, terms, etc., has been put in. The greatest fault I can find with the book is that the headlines for the different specialties are not set in appropriate type. The type is a heavy italic, which doesn't go well in such a book. Straight, up-and-down Jensen Old Style or DeVinne would have harmonized better with the rest of the matter. Except in rare instances I would not consider it advisable to use slanting type, and especially the heavy face, for headings. There's too much black type, anyway, on many of the pages of this catalogue. The appearance of these pages would have been helped had the numbers of the different fixtures, as well as other parts of the descriptions and lists been set in body type instead of heavy-face type.

The pages of the Reineke-Wilson catalogue are 6¾x9¾ in dimensions, and there are ninety-two of them.

"Steam-fitter."—I don't think it would pay you to go into such a deal. Would advise you to let all schemes of that sort severely alone.
A. H. S.

DOMESTIC ENGINEERING

PLUMBING, HEATING, LIGHTING, VENTILATING
WEEKLY EDITION

FOR MANUFACTURERS AND JOBBERS

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Member of the Chicago Trade Press Association.

CHICAGO, AUG. 27, 1898.

The most richly furnished house in the country can be made uncomfortable without protection from the cold and dampness of our American winters. Those who have used the "Winchester" heater declare, like the makers, that it is "America's Greatest Heater." Write Smith & Thayer Company, Boston, Mass., for agents' discounts.—Adv.



CHICAGO STORES: 22-24 West Randolph Street,
NEW YORK STORES, 26 Cortland Street.

THE TRADE'S WANTS.

FOR RENT—IN OUR BUILDING, LARGE corner room, facing on Lake and Dearborn streets; right in the center of the Heating and Plumbing trade. DOMESTIC ENGINEERING, 40 Dearborn street, Chicago.

TO HEATING MANUFACTURERS: I OFFER for sale my manufacturing business, including valuable heating patents. Address "MANUFACTURER," care of DOMESTIC ENGINEERING, 40 Dearborn street, Chicago.

WANTED—PIPE CUTTING AND THREAD- ing Machines, second hand. Give full detail with maker's name, condition, capacity and lowest cash prices. C. C. Wormer Machinery Co., 55-59 Woodbridge street, W., Detroit, Mich. 10-29

WANTED—SALESMAN VISITING HARD- ware, Plumbers or Gas Trades, to handle Incandescent Gas Mantels as a side line. Our goods are the best made and prices as low as any. Write for particulars. W. G. Tucker, 551-3 E. 116 street, New York City. 9-10

WANTED—AN EASTERN CONCERN MANU- facturing a large line of plumbing and sanitary goods, well established, desires a resident agent to represent it in Cincinnati and vicinity. Address "2214," care of DOMESTIC ENGINEERING, 32-42 Dearborn street, Chicago. t f

WANTED—CAPITAL TO MARKET A SUPE- rior steel heating boiler. Preferably a party already manufacturing boilers or radiators for the heating trade who desires to extend line. Address "CAPITAL," care DOMESTIC ENGINEERING, 40 Dearborn street, Chicago.

WANTED—POSITION AS SALESMAN. AM acquainted with trade in central and western New York, northern and western Pennsylvania, northern Ohio, Illinois and several of the southern states. Address O. E. Conway, care DOMESTIC ENGINEERING, 40 Dearborn street, Chicago. 8-27

WANTED—TO INCREASE OUR LINE OF specialties. Manufacturers and patentees of meritorious articles in the line of plumbing supplies and sanitary specialties will find us fully equipped to introduce their goods. Correspondence solicited. Sanitary Specialty Mfg. Co., 24-30 Milwaukee avenue, Chicago. t. f.

FOR SALE CHEAP—A NICELY LOCATED plumbing, heating, gasfitting business with tinshop in connection, where sewer, water and gas mains are being laid every day, in the hustling, building city of Joliet. Work for three men, and two good contracts on hand. Ill health the cause for selling. Address, W. L. ERIKSEN, 700 Jeff. street, Joliet, Ill.

WANTED—A SITUATION. AN EXPERT steamfitter who thoroughly understands all methods of steam and hot water heating, also all lines of material used in construction of same, can also make estimates, solicit or design such work, seeks a permanent position with a possible future. A hard worker and reliable. Can furnish good references from Al concerns. Address "Steamfitter," care DOMESTIC ENGINEERING, 32-42 Dearborn street, Chicago. 9-6

WANTED—THOROUGHLY COMPETENT and practical man to take charge of construction department of factory, manufacturing plumbers' cast iron ware. Must have good executive ability and be experienced plumber and possessed of original ideas. Address X Y Z., care of DOMESTIC ENGINEERING, 40 Dearborn St. Chicago t f.

FOR SALE—SECOND-HAND PEERLESS PIPE Threading and Cutting Machines. One for 1/4 to 2-inch pipe; one for 1/4 to 3-inch pipe; one for 2 1/2 to 6-inch pipe, and one for 4 to 12-inch pipe. In excellent condition, as must follow from being overhauled in the shop where they were originally built. Bignall & Keeler Mfg. Co., Edwardsville, Ill. 11-19

WANTED, POSITION—A PRACTICAL MAN of 25 years' experience in the manufacture of brass goods for water, gas and steam, would like a position as superintendent of factory thoroughly up to date as to equipment of plant, with tools and patterns, plumbers' supplies and specialties. Address, X Y Z, DOMESTIC ENGINEERING, 40 Dearborn street, Chicago, Ill. 8-30-Sept.

WANTED—EUROPEAN TRADE. MANUFAC- turers of plumbing goods, interested in the introduction of their goods in Great Britain and on the continent, are invited to address the advertiser, who has exceptional facilities for placing such goods before the wholesale trade. Address "EXPORT," care DOMESTIC ENGINEERING, 40 Dearborn St., Chicago, Ill.

FOR SALE.—ON ACCOUNT OF OTHER IM- portant business requiring the entire attention of the proprietors, the entire stock, patterns, patents, good will, etc., of the Novelty Manufacturing Company, of La Crosse, Wis., manufacturers of Mueller's patented pipe reaming attachment, will be sold at a bargain, and correspondence on the subject is solicited. Address, The Novelty Manufacturing Company, 301 South Third street, La Crosse, Wis. t. f.

Machinery, Stock, Pat- terns, Office Furni- ure, Etc., For Sale

Machinery, etc., at assignee's sale. Public notice is hereby given that in pursuance of an order made by the County Court of Cook County, Ill., on the 9th day of August, 1898, in the matter of the assignment of the Rice Engine and Boiler Company, being Number 16437: I will, as assignee of the RICE ENGINE AND BOILER COMPANY, receive bids for the purchase of all of the *Stock, Machinery, Tools, Fixtures, Office Furniture, Wood Cuts, Electrotypes, Patterns, Drawings* and one patent. This includes patterns and appliances for the manufacture of THE "KRIEBEL" ENGINES and "TRIUMPH" BOILERS. That bids will be received for all of said property as an entirety or for any part or portion of said property separately. That the purchaser shall remove said property at his own expense from the second floor of the premises at 47 So. Canal Street, Chicago, where the property can now be examined. That said bids shall be in writing and accompanied by a certified check for ten per cent of the amount of said bids. That said bids will be received by the assignee at Number 47 So. Canal Street, Chicago, at any time prior to 12 o'clock, noon, of September 8, 1898. The said sales to be for cash upon approval of sale by the court, all bids to be reported to the court for acceptance or rejection. Detailed lists of the property can be had of the assignee.

Frank L. Rice, Assignee

47 So. Canal St., Chicago

CURTIS & CURTIS

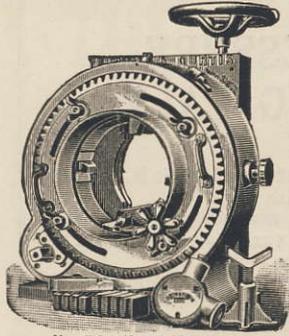
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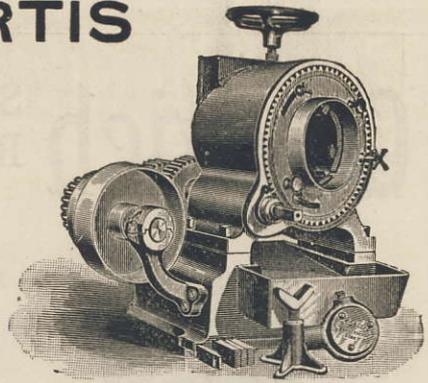
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The Onderdonk RELIABLE AIR VALVE

Made entirely of metal. Will not leak. Nothing to get out of order, corrode, or melt. Has no vegetable expansion piece to be destroyed by heat. The expansion piece is made of two metals soldered together, the upper end of which raises and closes the outlet when steam fills the radiator.

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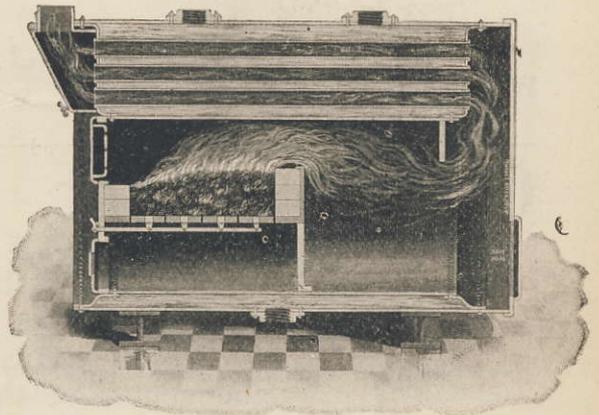
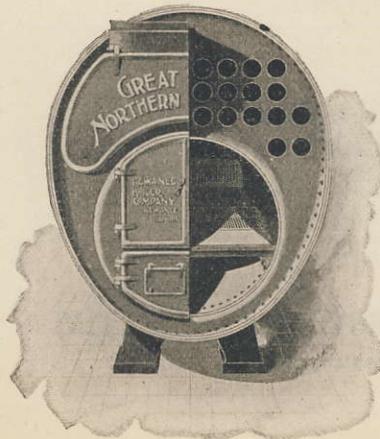


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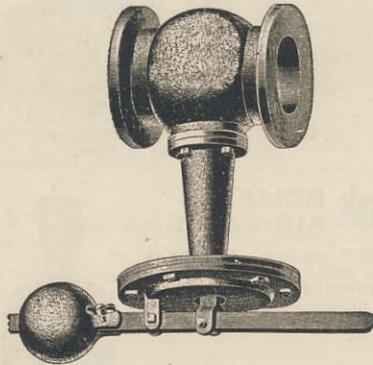
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Will automatically maintain any desired pressure without variation, regardless of the boiler pressure.

Perfectly balanced, two seated, frictionless valve.

Valve is made of best bronze and will not stick or corrode.

Best steam metal is used for valve bodies up to 2".

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The area of valve is full size of steam pipe. **Simple mechanism**, flexible diaphragm, close adjustment and sensitive action.

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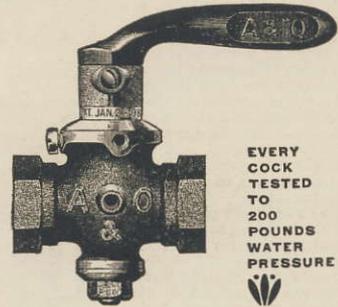
Plumbers' Enameled goods is not the only line we excel in— We make the A. & O. Special Cock—IT IS LIKE THIS



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Best in use. All steel.
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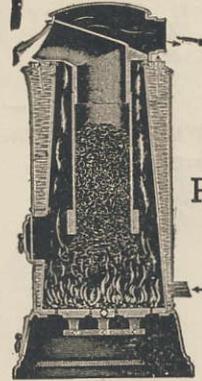
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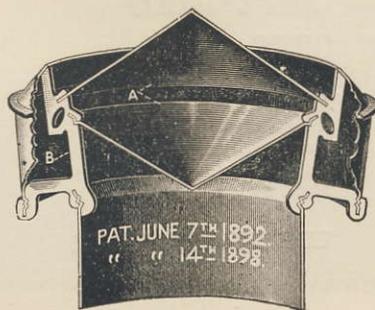
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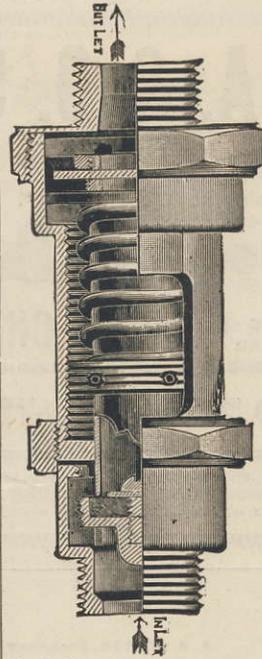
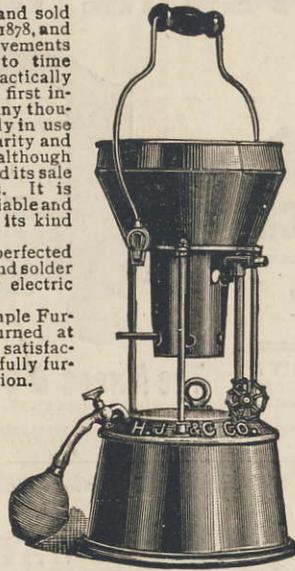
We have lately perfected an oblong shield and solder pot especially for electric men's use.

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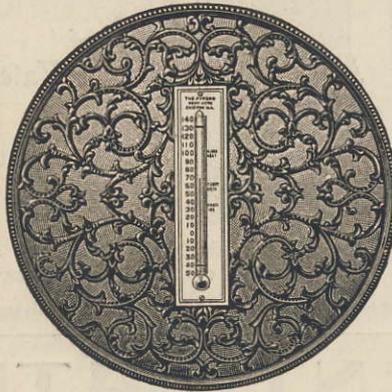
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Plant should be equipped with a **Powers Regulator.**

It insures the greatest efficiency with the smallest consumption of fuel. Automatic—no batteries—no clock work. Keeps the house at an even temperature.

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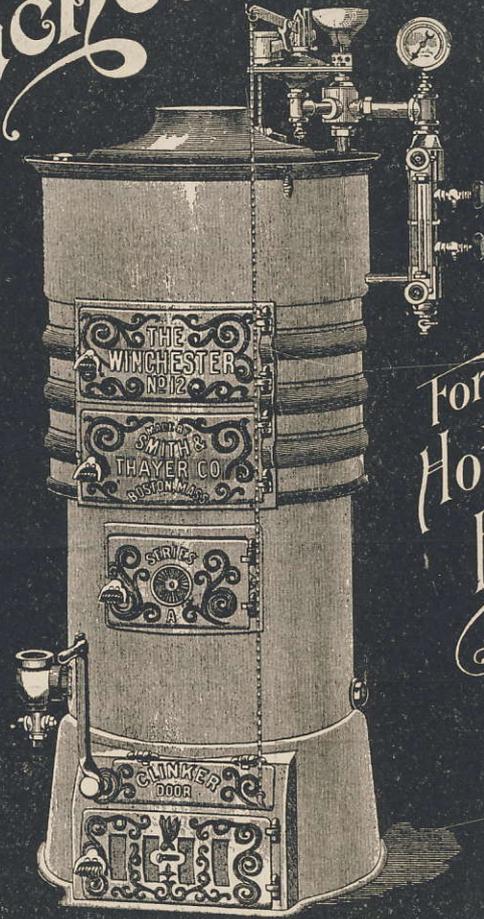
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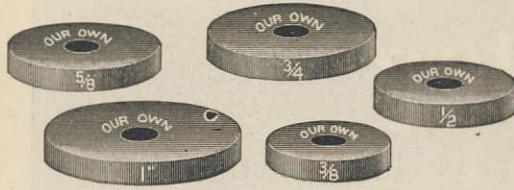
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234 AND 236
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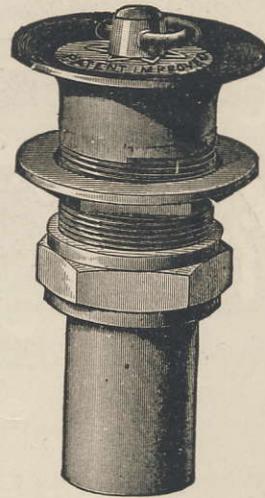
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Makes the Best and Neatest Job

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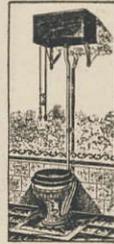
Morgan's "20th Century" Heating Boilers, Chicago

Joseph Budde,
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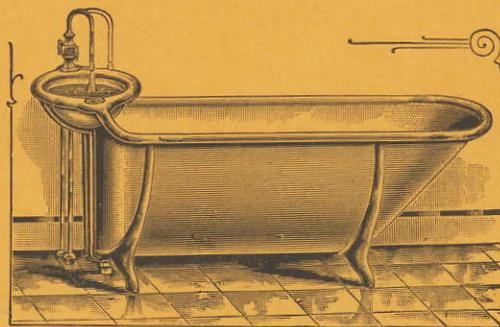
We make a Specialty of Wooden Tanks for Plumbers, Elevator Tanks, and all kinds of Storage Tanks. Get estimates for work of this kind from us.

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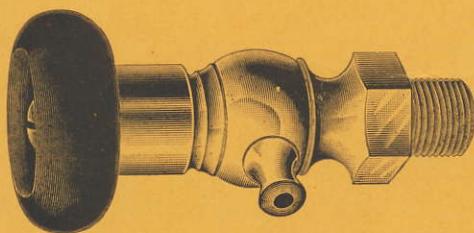


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