
RULES AND REGULATIONS

CONCERNING THE

WATER WORKS

OF THE

CITY OF MADISON,

Adopted 1882-3.

MADISON, WISCONSIN.

LAWS RELATING TO WATER WORKS.

EXTRACTS FROM CITY CHARTER ADOPTED 1882.

SECTION 8. Any person who shall wilfully or maliciously injure or destroy any portion of the works, fixtures or other property belonging or appertaining to said water works, or who shall wilfully pollute or otherwise injure any water supplied by said water works, or who shall wrongfully interfere with, or open any hydrants or waste any water therefrom, shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine not exceeding one hundred dollars, or imprisonment in the county jail not exceeding six months, or by both such fine and imprisonment, in the discretion of the court.

SECTION 9. It shall be the duty of the common council, and it is hereby empowered, from time to time, to pass such ordinances as may be deemed necessary or expedient for the management and protection of said water works, and regulating and controlling the supply and use of water therefrom; and the council is hereby empowered, when it shall deem it for the best interests of the city, to appoint a board of three water commissioners, to take the entire charge and management of said water works, to appoint a superintendent and other employes, to fix their compensation, and to supervise and control the supply and distribution of water throughout the city, and generally to discharge the duties imposed upon the common council by this chapter, under the general control and supervision of said council; but such commissioners shall receive no compensation for their services.

W-1-M
A
Wat
5
1983

AN ORDINANCE.

CONCERNING THE WATER WORKS OF THE CITY OF MADISON,
AND ESTABLISHING WATER RATES, RULES, REGULATIONS,
AND PENALTIES, FOR THE GOVERNMENT OF WATER CON-
SUMERS, LICENSED PLUMBERS, AND OTHERS.*

*The Common Council of the City of Madison ordains as fol-
lows:*

SECTION 1. That the rules, regulations and water rates hereinafter named shall be considered a part of the contract with every person, company or corporation who are supplied with water through the water system of the city; and every such person, company or corporation, by taking water, shall be considered to express his or their assent to be bound thereby; and whenever any of them is violated, or such others as the Board of Water Commissioners may hereafter adopt, the water shall be cut off from the building or place of such violation, although two or more parties may receive water through the same pipe, and shall not be let on again except by order of the Superintendent, and on payment of the expenses of shutting it off and turning it on, and such other terms as the Board of Water Commissioners shall determine, and a satisfactory understanding with the party or parties that no further cause of complaint shall arise; and in case of such violation, the Superintendent shall have the right to declare any payment made for the water by the person committing such violation to be forfeited, and the same shall thereupon be forfeited.

SECTION 2. There shall be appointed by the Board of Water Commissioners one man who shall be general executive officer or superintendent of the water works, who shall give a bond in the sum of two thousand dollars, conditioned for the faithful discharge of his duties.

*The Board of Water Commissioners is substituted for common council throughout this ordinance. See ordinance March 2, 1884.

SECTION 3. It shall be the duty of said Superintendent to see that the by-laws and resolutions of the Board of Water Commissioners are executed; that the conditions of all contracts by or with said works are faithfully complied with; that the assessment of the water rents are duly made, collected, and paid into the city treasury; to credit all accounts and claims, and submit the same to the Board of Water Commissioners with such explanation as to enable them to act advisedly thereon, and to have a general supervision over all the operations and interests of said works; and shall make a monthly and an annual report of the condition and operation of said water-works; and shall perform such other duties as the Board of Water Commissioners may prescribe.

SECTION 4. Said Superintendent shall also have special supervision of buildings, machinery, grounds and everything connected therewith; shall see that no depredations or misdemeanors are committed; and shall receive such salary as the Board of Water Commissioners shall direct.

SECTION 5. There shall be appointed by the Superintendent, subject to the approval of the Board of Water Commissioners, two engineers and firemen of the water works.

SECTION 6. Each engineer, during his hours of duty, shall have charge of the engines, pumps, boilers and machine shop, and it shall be his duty, under the direction of the superintendent, to have the care and supervision of the operation of the machine shop, the running of the engines and other machinery connected therewith, and perform such other duties as the Board of Water Commissioners may prescribe. The salaries of the chief engineer, assistant engineer and firemen shall be fixed by the Board, and the hours of service shall be as directed by the Superintendent.

SECTION 7. Any plumber wishing to do business in connection with the Madison city water works, before entering into an agreement to do so, must procure a license and furnish the Board of Water Commissioners satisfactory evidence that he is a regularly educated plumber, that he is master of his trade, and willing to be governed in all respects by the by-laws, rules and regulations which are or may be adopted by the Common Council or Board of Water Commissioners.

The amount to be paid for such license shall be \$5.00. Said plumber shall also be responsible for all damages the water works may sustain at his hands; he shall also enter into bonds in the sum of one thousand dollars, with two good and sufficient sureties, subject to the approval of the Board of Water Commissioners, to indemnify and save harmless the city of Madison of and from all accidents, damages and losses which said water works may sustain by reason of his failure to comply with all rules and regulations, which are now or may hereafter be established by the common council or Board of Water Commissioners.

SECTION 8. Plumbers shall make full and complete returns to the superintendent of the uses for and to which water is applied under any permit granted. Said return must be made by the plumber doing the work within forty-eight hours after the completion of said work, and must contain a complete list of all articles and fixtures used, as the water will not be turned on any premises until after said return is made, and the work reported to be in accordance with the rules and regulations herein prescribed.

SECTION 9. Plumbers in making returns of permits shall give name of street or lot line in which the attachment has been made, and whether the service pipe enters the premises on the north, south, east or west side of said street; and also state accurately the distance of the stop-cock box from the near side line of the nearest cross-street, lane or alley, or other well defined public place. The measurements to be recorded in feet and tenths or twelfths of a foot, and made in a direction parallel with the side line of the named street to where said line intersects the near side line of the nearest cross-street, lane or alley. In cases where the alignment of any street, lane or alley is not well defined, the measurement must be continued until a well-defined street line is reached, which must be intelligently described in the return.

SECTION 10. No plumber, pipe-fitter or other person, shall make any attachment to any old pipe or water fixtures in premises from which the water has been shut off and the supply discontinued; without the party desiring such work

to be done, having first made application and obtained a reissue and permit for the same. Nor shall any plumber, pipe-fitter or other person make any alteration in any pipe or water fixture attached to the water works distributing pipes, to conduct water into adjoining premises, or into stables, paths, water closets, wash basins, cisterns, fountains, or for any other purposes whatever, without application having first been made, and a written permit obtained from the superintendent for each and every separate job of such modifications in the water fixtures; and in no case shall any plumber, after the completion and trial of any job of plumbing work, be it the first introduction of service pipe, an extension, or a repair, leave the water turned on, on the premises, but shall in all cases close the stop-cock on the sidewalk, and return his permit.

SECTION 11. No service connections or other attachments to any of the water mains shall be made except by brass ferule or lead pipe up to one inch in diameter, and when iron pipe is used the attachments must be made by a heavy nipple screwed into the water main, and in no case will lead or iron pipe be allowed between the water main or stop cock weighing less per foot than as follows :

Lead pipe, $\frac{3}{8}$ inch, Medium, 1 lb., per foot.

Lead pipe, $\frac{1}{2}$ inch, Strong, 1 lb., 12 oz., per foot.

Lead pipe, $\frac{5}{8}$ inch, Strong, 2 lbs., 8 oz., per foot.

Lead pipe, $\frac{3}{4}$ inch, Strong, 3 lbs., per foot.

Lead pipe, 1 inch, Extra Strong, 4 lbs., 12 oz., per foot.

Lead pipe, $1\frac{1}{4}$ inch, Extra Strong, 7 lbs., 8 oz., per foot.

Iron pipe must be made of quality known as extra strong lap welded, and must be coated both inside and outside with Dr. Smith's preparation, applied when both are heated to a temperature of 300° F.

No galvanized pipe will be allowed.

No pipe other than the above will be allowed, nor will any party using pipe other than the foregoing be allowed to connect with the water works.

SECTION 12. Any plumber or pipe-fitter who shall be guilty of a violation of any of the by-laws, rules and regulations adopted by the common council shall forfeit his

license. Such forfeiture shall operate as a suspension of the license held by any co-partner in the same business or any person in his employ.

SECTION 13. All water rents shall be paid semi-annually, the first day of January and July of each year in advance; if not complied with within three days, ten per cent. penalty will be added, and if not paid in six days the water will be shut off. Meter rates shall be paid monthly; ten per cent. penalty will be added if the rent is not paid within ten days after the same becomes payable.

SECTION 14. Persons wishing water must get a special permit from the superintendent, for each building, residence, business, etc. The superintendent or the person authorized by him, shall in all cases tap the water main and put in the service pipe to a point in a line with the fire hydrant, or the inner side of the curbstone where there shall be a corporation cock and stop-box. For each original permit or tap a charge of \$2.00 will be made.

SECTION 15. No person, except the superintendent or the chief engineer of the fire department, shall take water from any public or private fire hydrant, fire plug, street washer draw cock, hose pipe or fountain (except for fire purposes, or for the use of the fire department in case of fire), nor shall in any way use or take any water for private use which is furnished by the water works, unless such person shall first pay for the privilege and receive the usual permit from the superintendent so to do.

SECTION 16. The water will not be turned into any house or private service pipe, except where meters are used, until the applicant shall have paid the rent due for the current six months and shall exhibit his receipt therefor; and plumbers are strictly prohibited from turning the water into any service pipe except upon the order or permission of the superintendent. This rule shall not be construed to prevent any plumber admitting water to test pipes, and for that purpose only.

SECTION 17. Every lead service pipe must be laid sufficiently waving to allow of not less than one to one and a half feet extra length, and in such manner as to prevent rupture

by settlement. Every service pipe must be provided with a stop and waste cock for each consumer, easily accessible, and so situated that the water can be conveniently shut off and drained from the pipes.

SECTION 18. The superintendent, and such other person as may be directed by the superintendent, shall be authorized to enter and have free access at all reasonable hours to premises to ascertain the location or condition of all hydrants, pipes or other fixtures attached to said works, and in case he finds that water is wasted on account of negligence or for the want of repairs, and if such waste is not immediately remedied, the water leading to such premises shall be turned off. It shall also be the duty of said officer in case he discovers any defect in a private pipe between the city service pipe and the stop cock, to give notice in writing to be left at the premises, and if necessary repairs are not made within twenty-four hours thereafter, the water shall be stopped and shall not be turned on again until the sum of three dollars has been paid to the treasurer, such money to go to the credit of the water works fund.

SECTION 19. Persons taking water must keep their service pipe and all fixtures connected therewith in good repair and protected from frost at their own expense, and must prevent all unnecessary waste, or the water will be shut off.

SECTION 20. In sprinkling streets each water taker must confine himself to one-half the width of the street of his own frontage, for which he pays water rent as per tariff of water rates. In case he sprinkles or permits to be sprinkled more than the above frontage, he shall be charged for the whole at the same rate per lot.

SECTION 21. Any consumer or consumers of water who shall permit others not members of his or their family or families to use water from his or their hydrants, faucets or other device without knowing that the proper water rent has been paid; and any one who shall thus obtain water without a permit from the Superintendent shall be fined in a sum of not less than one nor more than ten dollars, and the water shut off.

SECTION 22. Hydrants, hose attachments, faucets, or any other device which the consumer may adopt for obtaining water from the service pipes shall not be located so as to be accessible to persons living in or occupying neighboring premises, or to the public; and the water shall not be turned on such hydrant, faucet or other device until such hydrant is removed to some unexposed place on said premises.

SECTION 23. Parties desiring water for cisterns, tanks or other intermittent supply will be charged regular rates as per schedule or furnish at their own expense a water meter, to be approved by the Superintendent. Persons intending to build or repair any building, for which the water from the works is to be used, shall make application to the Superintendent, giving the certified statement of the architect or builder, of the number of brick, perches of masonry, yards of plastering to be laid, and other uses for the water and pay the schedule rates therefor. The Superintendent shall thereupon grant a permit to use the water for said purposes to the extent of the work returned by the architect or builder. Any abuse of this privilege, or neglect to guard against the use of water for other than that stated in the permit, will subject the owner to have the water turned off, and it will not be turned on again until satisfactory assurances are given that like abuses shall not again occur.

SECTION 24. Hydrants, taps, hose, water closets, urinals, baths or other fixtures, will not be permitted to be kept running when not in actual use, without special permit and the payment of additional rates, such rates to be determined by the Superintendent, who shall report the same to the Board of Water Commissioners.

SECTION 25. The use of the hand hose is permitted at all hours in the day for any of the purposes named in the permit, to wit: Sprinkling streets, yards and gardens, washing sidewalks, walks, steps, windows and fronts; "*except in case of fires, or when there is an alarm of fire.*" During such time the use of hand hose is positively prohibited for any of the uses heretofore enumerated: *provided*, that the water for street sprinkling purposes, except for water carts, shall

only be used before the hour of 8 o'clock A. M., between 12 and 1 o'clock noon, and after 5 o'clock in the evening.

SECTION 26. Any person desiring to discontinue the use of water, works' water, must give notice thereof in writing to the Superintendent, on or before the day to which the rent has been paid, or they will be charged with water rent to the next rent day.

SECTION 27. On streets where mains are laid, service pipes will not be allowed to run across lots, that is, from one lot to another, but must be taken from the mains in front of the premises, or some point in the street adjacent to the same; *provided*, that one service pipe may be used to supply all the parties taking water within thirty feet on either side of such service pipe.

SECTION 28. Service pipes intended to supply two or more distinct premises or tenements, and where only one stop cock is used, the person or persons controlling the same must pay the water rent of all parties who are thus supplied as separate water bills will not be made.

SECTION 29. No hose shall be used in any case unless a permit for such has been properly applied for and allowed by the superintendent, and in no case shall it be used without a nozzle, and the nozzle shall not exceed one-fourth of an inch in diameter, unless specially authorized.

SECTION 30. Hose larger than three-quarter inch will not be permitted, except upon payment of an additional charge.

SECTION 31. No claim shall be made against the city of Madison, by reason of the breaking of any pipe or service cock, or for any other interruption of the supply, or by reason of the breaking of machinery, or stoppage for necessary repairs.

SECTION 32. No permit shall be understood to authorize anything not explicitly and truthfully stated in the application, and any misrepresentation in such application the plumber shall report to the superintendent.

SECTION 33. Street washers and stopcocks shall be placed on the inner side of the curbstone, in paved streets, and in the same relative position in unpaved streets.

SECTION 34. No person authorized to open hydrants shall delegate his authority to another, or let out, or suffer any person to take the wrenches furnished him, or suffer the same to be taken from any hose house of said city, except for purposes strictly connected with the fire department, or as they accompany hose carts on occasions of fire.

SECTION 35. No person will be allowed to put in hydrants, sprinklers or private fire plugs without a stop cock.

SECTION 36. Except where meters are used, no lease of water will be made for a shorter period than six months, or until the first day of July or January. No rebate will be allowed for partial use of water from wells, cisterns, etc. The parties desiring to use the water in this way may procure and set an approved meter at their own expense, and thereafter pay for the water used at meter rates. The right is reserved to attach meters to any service pipe whenever the superintendent shall deem it expedient, and thereafter charge for the quantity of water measured instead of the special rates before charged.

SECTION 37. The Board of Water Commissioners shall order laid all necessary pipes to supply water whenever the revenue shall be ten dollars for every sixty-six feet of pipe laid, or there shall be an equivalent of two customers who will take water for every one hundred and thirty-two feet of pipe so laid.

SECTION 38. Connection with the service pipe must be laid at least five feet deep.

SECTION 39. After service pipes are laid, in refilling the opening, the earth must be laid in layers of not more than nine inches in depth, and each layer thoroughly tamped or puddled to prevent settlement, and this work, together with the replacing of sidewalks, ballast and paving, must be done so as to leave the street in as good condition as before it was disturbed, and to the satisfaction of the Superintendent. No opening of the street for tapping mains will be allowed when the ground is frozen.

SECTION 40. Yard fountains shall not be used more than six hours per day, and only between April 1st and November 1st, except by special permission and upon pay-

ment of additional charges. The service pipe of fountains out of doors, must be provided by the persons with stop cocks under the control of the superintendent. The right is reserved to suspend the use of fountains and hose for sprinkling streets, yards and gardens, whenever in the opinion of the Superintendent, the public exigency may require it.

SECTION 41. If proprietors of manufactories, lumber yards, halls, stores, elevators, warehouses, hotels or public buildings, being regular consumers of water from the works, wish to lay large pipes with hydrant and hose couplings to be used only in case of fire, they will be permitted to connect with the street mains at their own expense upon application to the superintendent and under his direction, and will be allowed the use of water for fire purposes only, free of charge, but all such pipes must be provided with a suitable valve which must be sealed by the superintendent, and a stop and waste cock attached at the bottom on inside of the building. In case the seal is broken for the extinguishment of fire, the party shall immediately give notice to the superintendent, and in case such seal shall have been broken for any other use the party so offending shall be fined the sum of twenty-five dollars. No stand pipe will be allowed on premises where the water is not taken for other than fire purposes.

SECTION 42. There shall be erected a drinking fountain at the high school and at each ward school, a drinking fountain for man and beast at the market, and at the corner of University avenue and Park street, corner of Johnson and Livingston streets, corner Williamson and Blount streets, and at the corner of Main and Bedford streets, also a fountain in front of the waterworks building.

SECTION 43. After the organization on the third Tuesday of April in each year, the mayor shall appoint five members of the Common Council, one from each ward, to be confirmed by the Common Council, who shall constitute the water works committee.

SECTION 44. The water commissioners shall have full jurisdiction of said works, and see that the officers comply

with their duties and report from time to time to the Common Council any repairs, additions and improvements they may deem necessary.

SECTION 45. The following rates are hereby established for the supply of water to consumers :

WATER RATES.

	Per annum.
Banks, including one wash basin	\$10 00
Bakeries.....	\$8 00 to 10 00
Barber shops, one chair.....	3 00
Barber shops, each additional chair.....	2 00
Bath houses, public, per tub.....	10 00
Bathing tubs in barber shops, each.....	4 00
Billiard rooms, each table.....	2 00
Blacksmith shops, one fire.....	8 50
Blacksmith shops, each additional fire.....	3 00
Boarding and lodging houses and furnished rooms, per room.....	1 00
Boarding schools, per room.....	1 00
Book binderies.....	8 00
Bottling ale and beer.....	\$5 00 to 10 00
Breweries, distilleries, rectifiers and malt houses, estimated at 100 gallons to the barrel, per 1,000 gallons.....	15
Building purposes for 1,000 bricks, wetting and making mortar... ..	10
Building purposes per 100 square yards of plastering.....	15
Building purposes, stone per cord.....	10
Butcher shops.....	8 00 to 10 00
Bowling alleys.....	5 00
Candy manufactories.....	8 00 to 10 00
Cells in jails, each.....	1 50
Churches free, less the cost of service pipe, cocks, etc.	
Cigar manufactories, per hand.....	1 50
Cisterns filled (exclusive of labor), 50 bbls or less, \$2.00, each additional 50 bbls or less, \$1.00.	
Club rooms.....	3 00 to 5 00
Commercial colleges.....	5 00 to 10 00
Confectionery.....	10 00.
Dental office.....	5 00
Drug stores.....	10 00
Dwelling houses, six rooms or less for each family.....	6 00
Each additional room.....	50
Dyeing and scouring, including laundries.....	10 00 to 25 00
Eating houses.....	10 00 to 20 00

	Per annum.
Fountains flowing not exceeding 8 hours per day during the season, from the first day of April to the first day of November, $\frac{1}{4}$ inch orifice.....	\$15 00
Each additional $\frac{1}{4}$ inch jet.....	2 00
Fountains 1-16 inch jet for the season.....	10 00
Each additional 1-16 inch jet.....	2 00
Fountains, $\frac{1}{4}$ jet.....	25 00
Fountains, 5-16 jet.....	45 00
Glass or tumbler washers.....	15 00
Gas works, special or meter rates.	
Hose for sprinkling streets, including washing and sprinkling sidewalks, the outsides of buildings, per, lineal foot front, business houses.....	10
Same as above, private houses.....	05
Hose for sprinkling lawns of 2,000 square feet.....	1 00
Hotels, per room.....	1 00
Ice cream saloons three tables or less.....	6 00
Each additional table.....	50
Laundries, meter rates.	
Livery, sale and feed stables, per single stall, including washing carriages.....	1 25
Locomotives, special or meter rates.	
Lumber yards, meter rates.	
Manufacturing establishments, special or meter rates.	
Offices and sleeping rooms occupied by not more than two persons.....	3 00
Offices and sleeping rooms, each additional person.....	1 00
Photograph galleries.....	10 00
Private stables, one horse, one cow, or two horses, washing carriages.....	2 00
Private stables, each additional horse.....	1 00
Private bath tubs.....	3 00
Private bath tubs, each additional tub.....	2 00
Printing offices, engines extra..... \$10 00 to	25 00
Public bath tubs, each tub.....	5 00
Public halls..... \$5 00 to	20 00
Puddling ditches, etc., special rates.	
Restaurants, for three tables or less.....	6 00
Restaurants, for each additional table.....	50
Railroad depots, special or meter rates.	
Stores, 22 feet or less.....	\$5 00
Stores, each additional foot.....	50
Stores of irregular shape, in proportion.....	
Saloons.....	15 00
Schools, not boarding, 25 scholars.....	5 00

	Per annum.
Schools, not boarding, each additional scholar.....	\$ 20
Soda fountains.....	5 00
Soap manufactories, special or meter rates.	
Steam engines, each horse power.....	2 00
Steam engines, each horse power, per 24 hours.....	4 00
Steam boilers, for house warming, etc., for each square foot, fire surface	30
Street sprinklers, per week, during season.....	6 00
Tobacco warehouses.....	10 00
Urinals, public, with constant flow.....	6 00
Urinals, in hotels, boarding houses and saloons.....	3 00
Urinals, in blocks and manufacturing establishments.....	2 50
Urinals, in stores, banks and offices.....	1 50
Urinals, private houses.....	2 00
Warehouses, special or meter rates.	
Wash basins, stationary, first basin in private family, free ; all others, each	1 00
Water closets, private, per bowl.....	2 50
Water closets, public, per bowl.....	5 00
Water carts, per 100 gallons	05
Water power for sewing machines, private family	3 00
Water power for seamsters and tailors	\$5 00 to 8 00
Water power for other purposes, special or meter rates.	
Workshops, 10 persons	3 00
Workshops, each additional person	25
Yard hydrants, dwelling or boarding house rates.	

All persons not satisfied with the schedule of rates above, can have the privilege of putting in a water meter at their own expense.

Meter rates — Less than 300 gals. per day, per 100 gals.....	05
300-400 gallons per day, per 100 gals.....	04
400-1,000 gals. per day per 100 gals.....	03½
1,000-5,000 gals. per day, per 100 gals	02½
5,000 gals. and upward, per 100 gals.....	02

¹ Rates for all other purposes that may be applied for, not named in the foregoing schedule, will be fixed by estimation or meter, at the option of the superintendent and water works commissioners.

The rates are subject to the provision that any person taking water for any purpose, however small, must pay at least at the rate of \$6.00 per annum.

Meter rates to be paid monthly.