

**THE PLUMBING LAW AND
RULES AND REGULATIONS
OF THE DEPARTMENT OF
PUBLIC HEALTH, NO. 615**

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The Plumbing law and rules and regulations of the Department of Public health, No. 615 by Various

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VARIOUS

**THE PLUMBING LAW AND
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OF THE DEPARTMENT OF
PUBLIC HEALTH, NO. 615**

San Francisco. Ordinances, etc.

ORDINANCE No. 615

(New Series)

In Effect December 1, 1908

THE PLUMBING LAW

AND

RULES AND REGULATIONS

OF THE

Department of Public Health

GOVERNING

Plumbing Inspection in the City and
County of San Francisco
California

1922

Neal, Stratford & Kerr, S. F. 20478

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1922

ORDINANCE NO. 615 (New Series).

(Approved November 27, 1908.)

Establishing Rules and Regulations for the Plumbing and Drainage of Buildings in the City and County of San Francisco, This Ordinance to Be Known as "The Plumbing Law."

Be it ordained by the People of the City and County of San Francisco as follows:

PART I.

Section 1. The following rules and regulations respecting the plumbing and drainage of buildings in the City and County of San Francisco are hereby adopted, and all work in respect thereto shall be performed as herein required and not otherwise, and this Ordinance shall be known and referred to as "The Plumbing Law."

Material and Workmanship.

Sec. 2. All material must be of good quality and free from defects. The work must be done in a thorough and workmanlike manner.

Standard Pipe.

Sec. 3. Where under these rules it is not requisite to use extra heavy cast iron pipe and fittings, then either standard cast iron pipe or galvanized wrought iron pipe may be used.

Extra Heavy.

Sec. 4. Where under these rules it is requisite to use extra heavy cast iron pipe, then pipe, inclusive of the hub, shall average the following weight to each 5-foot length.

Diameter	Weight per Lineal Foot
2 inches.....	5½ lbs.
3 inches.....	9½ lbs.
4 inches.....	13 lbs.
5 inches.....	17 lbs.
6 inches.....	20 lbs.
7 inches.....	27 lbs.
8 inches.....	33½ lbs.
10 inches.....	45 lbs.
12 inches.....	54 lbs.

Galvanized Wrought Iron in Lieu of Cast.

Sec. 5. Or, as laid down in these rules, galvanized wrought iron pipe, of the following average thickness and weight per foot may be used in lieu of cast iron pipe.

Table of Standard Galvanized Wrought Iron Sewer Drain, Soil, Waste and Leader Pipe.

Sec. 6. The pipe shall not be less than the following average thickness and weight per lineal foot:

Diameter	Thickness	Weight per Lin. Ft.
1½ inches.....	.14 inches.....	2.68 lbs.
2 inches.....	.15 inches.....	3.61 lbs.
2½ inches.....	.20 inches.....	5.74 lbs.
3 inches.....	.21 inches.....	7.54 lbs.
3½ inches.....	.22 inches.....	9.00 lbs.
4 inches.....	.23 inches.....	10.66 lbs.
4½ inches.....	.24 inches.....	12.34 lbs.
5 inches.....	.25 inches.....	14.50 lbs.
6 inches.....	.28 inches.....	18.76 lbs.
7 inches.....	.30 inches.....	23.27 lbs.
8 inches.....	.32 inches.....	28.18 lbs.

Sewers, Separate.

Sec. 7. Excepting as provided for in these rules, every house and building must be separately and independently connected with the sewer, provided, however, that where two or more buildings on the same lot belong to the same owner and the area of

said lot does not exceed three thousand square feet, separate sewer connections need not be made with the main sewer.

Sewer, Front and Rear.

Sec. 8. Where there is a house in the rear of a lot, and there is to be an additional house built in front of the lot, then the same sewer may serve both buildings. This shall apply also to where the conditions are reversed, and the front building is built first, or when both are built, provided that in all cases these rules are complied with.

Sewers, Exceptional.

Sec. 9. In exceptional cases where two or more buildings are erected on a corner lot and on a cross street, all owned by one party, and the side street having a steep grade, and the sewer in cross street being higher than the rear of the buildings, then, in the judgment and with the consent of the Board of Health, one sewer main may drain several separate buildings when run in the rear of said buildings and thence to main sewer in side street, but only in such cases.

Sewers, Old.

Sec. 10. Where there is an old sewer serving a building, either front or rear, provided the sewer will satisfactorily stand the "Water Test," it may serve either front or rear premises, excepting that such portion of the old sewer as is within the foundations or area of the new or additional structure must comply with these rules as to quality and kind of material used and boundaries and intermediate section rules.

Definition of House.

Sec. 11. A "house or building" shall be defined as being an architectural structure covered by one roof and enclosing walls.

Definition, Porch.

Sec. 12. Porches, or the continuation of porch roofs, from building to building, shall be considered as being a portion of the main structure.

Definition, Frontage.

Sec. 13. Buildings situated upon the same lot, which said lot has frontages upon different streets, or alleys, or courts, the buildings have abutting or connecting porches, shall not be construed as forming one main structure.

Sewer and Drain Boundaries.

Sec. 14. Excepting as provided for in these rules for the use of galvanized wrought iron pipe, the sewer and drain, when it lies under the building, and for three feet beyond the front wall, or of any area wall, or any wall of adjoining premises, shall be extra heavy cast iron pipe, and all fittings to same shall be of the same material, provided, that in frame buildings where the height from the top fixture to the lowest point of the sewer does not exceed twenty feet, standard pipe may be used throughout, except where the sewer is underground.

Sewer, Outside Building.

Sec. 15. Outside of the building line the sewer or drain shall be continued to the main sewer in street with either cast iron, galvanized wrought iron or vitrified ironstone pipe of the best quality.

Intermediate Material.

Sec. 16. The use of intermediate sections of quality or kind of pipe such as the introduction of sections of ironstone pipe between cast iron pipe, or of standard cast iron pipe between extra heavy sections, or of cast iron pipe between ironstone, or of wrought iron pipe between ironstone and similar, will not be allowed.

Ironstone Boundaries.

Sec. 17. When ironstone pipe is used for sewer or drain pipe in an area or alley way, then the center line of the sewer must be situated not less than one and one-half feet from the foundation or area walls of any building. Where said area way is less than three feet in width, regardless of overhangs

six feet in height without supports, the sewer must be of cast iron or wrought iron pipe. In no case shall ironstone pipe or fittings come within one foot of the building line.

Chemical Sewers.

Sec. 18. In plating works, chemical works, acid works and manufactories where chemicals are used, the waste of same shall discharge into the main sewer in the street through a separate vitrified ironstone pipe, which shall be laid in a manner conforming to all the requirements of this Ordinance.

Sumps and Surface.

Sec. 19. All surface drains, soil and waste pipes discharging below the sewer line of any building and all sumps receiving drainage or wastage must be connected in a sanitary manner satisfactory to the Board of Health, and receive the approval of said Board prior to use.

Ironstone Workmanship.

Sec. 20. All joints on ironstone pipe must be made with Portland cement, and each joint of pipe when laid must be properly cleaned out with a suitable scraper before the succeeding joint is put in place.

Ironstone, Size.

Sec. 21. Excepting 6-inch and larger, all ironstone pipes must be of a size 1 inch larger in diameter than the pipe they serve.

Caulked Joints.

Sec. 22. All joints on cast iron pipe and on the fittings to same must be made with suitable packing of oakum, properly caulked and run full with molten lead, properly caulked.

Fall of Pipes.

Sec. 23. All sewer, drain, soil, waste and leader pipes shall have a continuous fall of not less than

one-quarter of an inch to the foot, and, if practicable, more.

Hanging Pipes.

Sec. 24. Where practicable, iron sewers, drains, soil waste and leader pipes running in a cellar or lowest story of a building shall run along the wall of the building, or, if this is not practicable, be hung on iron hangers securely fastened to the floor joists.

Trenching.

Sec. 25. When it is not practicable to run and fasten the iron sewer, drain, soil, waste or leader pipes as above directed, then they may be run in a trench cut to a uniform grade.

Trap, Main.

Sec. 26. The sewer or drain shall have a trap placed either at the line of curb of sidewalk or immediately inside the area wall under sidewalk.

Storm Water Drain.

Sec. 27. In the Double Sewerage and Drainage Districts all the requirements laid down in this Ordinance must be complied with.

Fresh Air Inlet.

Sec. 28. Every house drain or sewer shall have a fresh air inlet of not less than 4-inch pipe, and said inlet shall present not less than 16 square inches of perforations. Said air inlet shall be connected to the house side of the trap and lead to the outer air, terminating at a point not less than 10 feet from any door or window.

Air Inlet Grating.

Sec. 29. The main trap at sidewalk shall have its fresh air inlet so constructed as to freely admit a supply of the outer air and at the same time offer adequate protection against the introduction of foreign matter into the trap, all to the approval of the Board of Health.