

ORDINANCE NO. 210.

AN ORDINANCE CONCERNING PLUMBING.

BE It Ordained by the City Council of the City of Las Animas, of the County of Bent and State of Colorado:

Section 1. No person, firm or corporation shall carry on, or contract the business of plumbing or drain laying, or engage in the business of plumbing or house drainage, or connect a house drain to the Sewer System of Sanitary Sewer District No. 1 of the City of Las Animas, in said City of Las Animas, until he, shall have obtained a license from the City Clerk of the City of Las Animas; provided no license shall be issued unless such applicant shall have properly executed a bond in the sum of One Thousand (\$1000) Dollars, which bond shall be subject to the approval of the City Council of said City of Las Animas, and conditioned for the faithful performance of all work entrusted to him according to the requirements of this Ordinance, and to protect the City of Las Animas from any damage by reason of the opening of any trench in any street or alley in said City, and shall have paid the said City of Las Animas an annual license fee of Twenty-five (\$25) Dollars; and provided further that no license shall be issued except in the discretion of the City Council of said City of Las Animas.

Sec. 2. No individual employed by any plumbing contractor in the capacity of a plumber shall be allowed to install or supervise the installation of any plumbing fixtures or connect the same to the sewer barrel of Sanitary Sewer District No. 1, in said City of Las Animas, until such individual shall have satisfied the Inspector of Plumbing of said City of Las Animas as to his ability and experience, and obtain from such Inspector a license allowing him to do such work within the said City of Las Animas.

Sec. 3. Every plumber before doing any plumbing work in a building and every drain

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layer, before altering or laying any drains on private property, except in cases of repairs, (and repairs to consist of leaks, in drains, soil, waste, or vent pipes), shall file with the Plumbing Inspector, upon proper blanks, to be provided, a full description of the work to be done, and shall do no such work without a permit from the Plumbing Inspector authorizing the same.

Sec. 4. Every building in the City of Las Animas in which plumbing arrangements are constructed, shall be connected with the city sewer, where such sewer is provided, and when it is not provided, to be connected to a cesspool in a location and with a capacity to be approved by the plumbing inspector.

Sec. 5. All drains shall be formed of good, hard, sound, and well glazed stoneware whole socket pipes, or cement pipes made of best hydraulic cement in proportion of one part cement to three parts of sand and gravel. All connections of one line of drain pipes with another shall be made with "Y" branches and eighth bends. All drains shall, where practicable, be laid at least three feet below the grade, with a fall of not less than one-quarter of an inch to one foot and as much more as possible.

The pipes to be put together with great care. The interior of each length of pipe, at the first joint and the last joint inside, are to be made perfectly clean before the next length is laid. The back filling to be first hand packed with care, then well rammed to prevent the slightest settling of drain. All joints to be set in first-class hydraulic cement. Permits for construction or repair of private sewers or drains in or through private property shall be issued by the Plumbing Inspector to plumbers or drain layers licensed by the city of Las Animas. Plumbing in old buildings shall be properly trapped and ventilated according to this ordinance before a connection shall be made to the city sewer of Las Animas.

Sec. 6. Grease traps in yards shall be constructed of hydraulic cement, sand and gravel in the proportion of one part cement to three parts of all other material, or of earthenware or brick, laid in hydraulic cement, and in case of brick being used the walls be plastered on all sides and bottom with hydraulic cement mortar at least one inch thick, made in the proportion of one of cement to two of sand, with eight-inch wall; grease traps to have stone or iron covers, the same to be not more than six inches below grade.

Grease traps for small buildings or ordinary dwelling houses to be not less than 24 inches in diameter by 36 inches in depth. Hotels, restaurants, or other cooking establishments to have size of grease trap not less than 24 inches in diameter by 54 inches in depth, and according to the direction of the Plumbing Inspector.

Sec. 7. That portion of the house drains inside of the walls and underneath the buildings, and three feet outside the area or foundation walls shall be constructed of what is known to commerce as standard cast iron soil pipes and extra heavy fittings. House drains shall be securely anchored to the walls not less than five feet apart, or laid in trenches of uniform grade, or suspended to the floor timbers by strong iron hangers. Drain and soil pipes shall have a uniform fall of not less than one-quarter of an inch to one foot toward sewer or cesspool. Changes in direction shall be made with "Y" branches and one-eighth bends. Connection with vertical pipes shall be made with "Y" branches and sanitary "T" and all drains to be

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exposed when practicable.

Sec. 8. Soil pipes receiving the discharge of one or more closets shall be standard cast iron soil pipe, same as specified for drains, not less than 4 inches in diameter, to continue full size inside of building to a point not less than eighteen inches above the roof, and at least five feet above and ten feet away from any opening or windows of the adjoining buildings. All vertical soil pipe shall be supported by pipe rests, at least one to each floor, soil and vent pipes below rafters shall be supported by strong iron hangers. Standard pipe may be used above highest fixture. All joints shall be packed with picked oakum and run with molten lead, thoroughly calked. Connections of lead pipe with drains and soil pipes shall be made with extra heavy brass ferrule and properly wiped joints, and calked to iron pipe.

Sec. 9. Vent pipes must not terminate in or lead through chimney flues, but must be carried up inside of house, and supported the same as soil pipes. Water closet traps shall be back air vented with not less than two-inch pipe, and all other fixtures shall be vented with pipe of the same size as the waste pipe, all vents to be run through the roof. All water closets must be vented from lead bend below floor, except the water closet on the top floor, which, if less than 5 feet from main stack, the back air vent may be omitted, and where there is one or more closets in building on same floor and no fixtures above and not more than 5 feet away from the main soil pipe the back air vent may be omitted. If one or more closets are 10 feet or more from vent stack, additional stack must be carried through roof.

All roof flashings to be of not less than 3 lbs. sheet lead. Trap vents from two or more fixtures must be connected at least twelve inches above the highest fixture.

Not more than thirty feet of one and one-quarter inch pipe can be used for one fixture; not more than thirty feet of one and one-half inch pipe can be used for two fixtures; not more than thirty feet of two-inch pipe can be used when back air venting closets.

Vents pipes must be increased in size according to number of fixtures, at least one-quarter of an inch for each addition fixture. In small buildings and ordinary dwelling houses the back air vents must be connected to soil pipes not less than three feet above the highest fixture. In no case shall be back air vent be connected to soil pipes in buildings three or more stories high, but shall run separately through roof.

All vent pipes shall run as direct as possible, and 45 degree ells shall be used when practicable. Galvanized wrought iron pipe and galvanized fittings, standard cast iron soil pipe or lead pipe (weight to be known as extra light) may be used for ventilation. Connections of lead pipes with wrought iron pipes shall be made with combination brass ground couplings and solder nipples with properly wiped joints.

Sec. 10 No outside drains or inside drains, soil waste or vent pipes shall be covered from view or concealed until after the work has been tested, examined and approved by the Plumbing Inspector and a certificate given for same. The whole system of inside drains, soil, waste and vent pipes shall be filled with water.

The Inspector shall be notified by the plumber when the work is ready for inspection, and said plumber shall prepare the whole system of plumbing in such building for the Plumbing Inspector to make a proper test of same.

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Waste pipes from all fixtures shall be of extra heavy cast iron soil pipe, and of the following sizes: Bath tubs, one and one-half inch; sinks, one and one-half inch; laundry tubs, one and one-half inch; urinals, one and one-half inch; wash basins, one and one-quarter inch. Lead pipe shall not be of less than the grade known as extra light.

Slop sinks which are manufactured with attached trap are to have waste pipe same size as trap, all other slop sinks to have not less than 2-inch waste pipe, and vent pipe for any slop sink shall not be less than one and one-half inch pipe.

Floor drains shall connect with sewer outside of building and shall be provided with a back water valve which shall be accessible.

Sec. 11. Each and every fixture having a waste pipe shall be separately and independently trapped with a water-sealing trap placed as near the fixture as practicable; and each trap shall be protected from syphonage and air pressure by a special vent pipe.

Waste pipe from bath tubs and wash trays to be connected to drum trap with trap screw not less than three inches in diameter and put as close to fixture as practicable.

Trap to be accessible. Bath tub and wash tray strainers shall be one and one-half inch.

Sec. 12. Waste pipes from kitchen sinks in any hotel, restaurant or in other cooking establishments, and in every dwelling house, shall run separate to a grease trap in yard when practicable; and when same is not practicable to be put in yard, a grease trap must be placed below each sink, with water jackets to keep the water in grease trap chilled.

This section applies only to that section of the city covered by established sewer districts. Outside of established sewer districts the sink waste shall connect separately to drain in yards, and in no case shall waste pipes from kitchen sinks connect to house drains or soil pipes, except the same be protected by grease trap below sink, as described for sewer district.

Sec. 13. No steam exhaust, blow off or drip pipes shall be connected with house drains, soil waste or vent pipes, within any building but must discharge into open tank or condenser, from which a safe connection to the sewer outside of building or separate sewer connection must be made.

Sec. 14. Waste pipes from refrigerators or other receptacles in which provisions are stored shall not be connected directly with the drainage system, but shall be arranged to waste into open sink or tray in open sight below the refrigerator. This sink or tray must be connected with the drainage system when properly trapped with a combination trap or flap trap. No sediment from boilers or drain tubes, from stop and waste cocks, shall be connected directly with any waste or sewer. Drips or overflow pipes from safes under water closets and other fixtures, or from tanks or cisterns, shall in no case be connected directly to the drainage system, but shall run to some place in open sight.

Sec. 15. Every water closet or group of water closets within a building shall be flushed from a separate tank or cistern; the flush pipes to be not less than one and

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one-quarter inch.

Sec. 16. All public urinals must be supplied with flush tank. Outside water closets must be separately trapped, with clean out on trap. Soil pipe to have lead connection flanged on floor to receive hopper, ~~wast~~ ~~from~~ valve to be connected to soil pipes on the house side of trap. Closet to be non-freezing, flushed with tank and acceptable to the inspector of plumbing.

Outside closets when within 10 feet of building are to be vented with a four-inch stack.

Sec. 17 No livery barn buggy wash shall be connected with the sewer system of Sanitary Sewer District No. 1 of the City of Las Animas, in said city, unless they shall be provided with sand traps between the wash and sewer; such traps shall not be less than thirty-six inches in diameter and forty-eight inches deep, and shall be installed according to the directions of Plumbing Inspector.

Sec. 18. No drainage from any flat roof of any business or private house shall be connected to the sewer of Sanitary Sewer District No. 1, of the City of Las Animas, in said City in any manner. Residence or business houses with pitched roofs of shingle, tin or rubber roofing, may be connected with the sewer system of Sanitary Sewer District No. 1, of the City of Las Animas, in said City, when properly provided with sand traps.

inspector

Sec. 19. Be It Further Ordained: That the office of Plumb Inspector of the City of Las Animas, shall be, and hereby is, created for the said City of Las Animas; and the City Council of the City of Las Animas shall, as soon as this ordinance shall become an ordinance of the City of Las Animas, appoint some competent person as Plumbing inspector of the City of Las Animas, whose compensation shall be, by said City Council, fixed by resolution.

Sec. 20. It shall be the duty of the Plumbing Inspector to effectuate all provisions of this ordinance.

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Sec. 21. No plumber or other person shall install any new fixture or other plumbing work, or change or alter any old work, without first receiving a permit from the Plumbing Inspector; and all permits shall be issued by the Plumbing Inspector only upon application to him in writing by the plumber desiring to install any new fixture or fixtures, alter or change any old fixtures; and said application shall contain the name of the person for whom the said work is to be done and the description of the building and place where the same is to be done, and the said permit shall be issued for said person and said work only. The Plumbing Inspector shall collect for issuing said permits the sum of Two Dollars (\$2.00) for permits authorizing three fixtures or less; ~~Two~~ and 50/100 (\$2.50) Dollars for over three and not more than five fixtures; and Three and no/100 Dollars (\$3.00) for more than five fixtures; which fee shall be paid by the applicant desiring said permit; and the fees so collected by said Plumbing Inspector shall be paid to the City Treasurer of the City of Las Animas, for the use of said City.

No. 22. Where additional fixtures are required, or alterations are to be made, which cannot be practically constructed in accordance with the provisions of this ordinance, a special permit may be issued by the Plumbing Inspector for such work if, in his judgment, the conditions require it; and all reconstructions of old and condemned plumbing shall be done in accordance with the provisions of this ordinance.

Sec. 23. It is hereby made the duty of the Plumbing Inspector to secure the proper

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enforcement of this article and to promptly investigate any information he may receive of its violation, and to promptly proceed with the complaint and prosecution in any case of its violation of which he may have knowledge or due reliable information.

Sec. 24. Any owner, agent, architect, plumber, drain layer, superintendent, contractor, or other person, failing, neglecting, omitting, refusing or resisting to comply with any of the conditions, terms, regulations or requirements of this ordinance shall, upon conviction, be fined in a sum not less than ten dollars nor more than one hundred dollars for each and every offense, and each day's failure, neglect or refusal to comply with the provisions of this ordinance, shall be deemed a separate and distinct offense, and shall be fined as in other cases.

Sec. 25. When plumbing or repairs of plumbing is required to be done by reason of complaint from the Health Officer of the City of Las Animas, on account of sanitary defects or violation of ordinances, such plumbing must be carried on under direction of the Health Officer of said City of Las Animas, and, when completed, inspected and accepted by the Plumbing Inspector of said City of Las Animas.

Sec. 26. No connection shall be made with the barrel of the sewer system of Sanitary Sewer District No. 1, of the City of Las Animas, in said City, unless the same shall have been inspected and approved by the Plumbing Inspector of said City.

Sec. 27. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

Passed and Adopted by the City Council of the City of Las Animas, Colorado this Seventh day of December A.D. 1909.

James McGill
MAYOR

Attest:-

Frances M. Cahill
City Clerk.

State of Colorado)
) ss
County of Bent)

I, Frances M. Cahill, City Clerk of the City of Las Animas, Colorado, do hereby certify that the above and foregoing Ordinance was introduced and read at a preceding regular meeting of the City Council, of the City of Las Animas and published in full in the Bent County Democrat, a public newspaper of general circulation published in the City of Las Animas, for ten days before its passage.

In Witness Whereof, I have hereunto set my hand and affixed the seal of said City of Las Animas, Bent County, Colorado this eighth day of December, 1909.

Frances M. Cahill
City Clerk.