

Population, miles of distributing pipe, number of services and consumption of water in inland cities, United States and Canada. (The consumption in this table is given in wine gallons, which are about one-fifth less than imperial gallons.)

CITY.	Year	Population.	Miles of Pipe.	No. of Services.	Number of persons per service.	Consumption per mile of Pipe Gallons.	Consumption per service. Gallons.	Consumption per head. Gallons.
Montreal..	1877	130 000	129 ²⁰ / ₁₀₀	24 658	5	69 502	364	69
Toronto...		75 000	107 ⁵ / ₁₀	3 814	19	53 737	1 515	77
Cincinnati		280 000	20 000	14	797	57
St. Louis.		400 000	185	16 800	23	120 808	1 330	56
Cleveland.		136 000	108	7 760	17	71 546	996	56
Detroit ...		110 200	194	18 754	6	59 500	615	105
Chicago ...		440 000	425	64 898	7	122 786	803	119
Buffalo		135 000	93 ⁵ / ₁₀	6 380	21	125 040	1 833	87
Milwaukee		130 000	75 ⁴ / ₁₀	4 054	32	92 098	1 713	53
Hamilton..	1879	35 000	50	7 000	5	28 000	200	42
Ottawa ...		24 000	40 ⁶ / ₁₀	5 422	4 ¹ / ₂	56 676	424	96

The rapid increase of consumption is shown from the fact that the quantity pumped in the 9 months of this year to 1st October, is greater than that in any whole year previous to 1877, being 417,000,000 gallons in 273 days, or over 1,500,000 gallons per day, average equal to the maximum of 50 gallons per head for 30,000 people, as estimated by the consulting engineers.

The quantity pumped was :

1876.....	383,800,000 gallons.
1877.....	421,729,000 "
1878.....	442,195,000 "
1879, (9 months).....	416,800,000 "

The quantity pumped in the three summer months has progressed as follows :

1875.....	105,000,000 gallons.
1876.....	114,000,000 "
1877	133,000,000 "
1878.....	133,000,000 "
1879.....	164,000,000 "

The consulting engineers estimated 35 gallons per head, per diem, upon the assumption that a fresh water town would not require as much as those on the salt water. While, however, Boston takes 76 gallons, Brooklyn 63 and Philadelphia 58 per head, Detroit, Chicago, Buffalo, Toronto show that more water is used, or wasted at inland points than at the seaboard. Hamilton in the general use of water as shown by the number of services in proportion to the population as well as in the daily consumption per