

Water Filtered, and Alum Figures, December 5th, 1917, to January 11th, 1918

Date.	Water filtered M.I.G. daily.	Alum used in lbs.	Alum, average grains per gal. daily.	Total M.I.G.	Total alum.	Total average.
1917,						
Dec. 5	31.35	2203.2	0.492	31.35	2203.2	0.492
" 6	31.05	9015.3	2.032	62.40	11218.5	1.258
" 7	31.25	7587.6	1.699	93.65	18806.1	1.406
" 8	26.50	9174.6	2.423	120.15	27980.7	1.632
" 9	22.10	4636.6	1.468	142.25	32617.3	1.605
" 10	31.45	2522.4	0.561	173.70	35139.7	1.416
" 11	31.18	1453.3	0.326	204.88	36593.0	1.250
" 12	33.67	1605.6	0.334	238.55	38198.6	1.121
" 13	33.70	2122.7	0.449	272.25	40321.3	1.037
" 14	37.00	3364.8	0.636	309.25	43686.1	0.988
" 15	36.35	1782.6	0.343	345.60	45468.7	0.921
" 16	30.85	4537.5	1.029	376.45	50066.2	0.930
" 17	30.50	8899.8	2.042	406.95	58906.0	1.013
" 18	30.95	4550.3	1.029	437.90	63456.3	1.014
" 19	32.47	2191.0	0.472	470.37	65647.3	0.977
" 20	31.93	2174.0	0.477	502.30	67821.3	0.945
" 21	32.20	2191.6	0.476	534.50	70012.9	0.917
" 22	31.45	2123.7	0.473	565.95	72136.6	0.892
" 23	31.20	2174.0	0.488	597.15	74310.6	0.871
" 24	31.28	2174.0	0.487	628.43	76484.6	0.852
" 25	31.37	2174.0	0.485	659.80	78658.6	0.834
" 26	31.03	3128.0	0.706	690.83	81786.6	0.829
" 27	30.47	6926.4	1.591	721.30	88713.0	0.861
" 28	31.51	3982.7	0.882	752.81	92695.7	0.862
" 29	29.10	1803.1	0.432	782.00	94498.8	0.846
" 30	30.00	3333.4	0.778	812.00	97832.2	0.843
" 31	30.95	6582.2	1.488	842.95	104414.4	0.867
1918,						
Jan. 1	30.60	7581.6	1.734	873.55	111996.0	0.897
" 2	30.00	7985.6	1.863	903.55	119981.6	0.929
" 3	30.95	8143.2	1.841	934.50	128124.8	0.959
" 4	29.05	8736.0	2.105	963.55	136860.8	0.994
" 5	30.55	7359.4	1.663	994.10	144120.2	1.015
" 6	30.35	7027.8	1.621	1024.45	151148.0	1.032
" 7	29.80	10647.0	2.501	1054.25	161795.0	1.074
" 8	31.75	4129.6	0.914	1086.00	165924.6	1.069
" 9	34.05	2522.2	0.519	1120.05	168446.8	1.053
" 10	34.95	2593.0	0.519	1155.00	171039.8	1.037
" 11	35.90	2928.0	0.579	1190.90	173967.8	1.023

THE WORLD'S PRESENT POWER DEMAND

While it is impossible to estimate with any pretensions to accuracy, the power now being used in various countries of the world, independent estimates tend to show that it approximates 120 million horse-power, including all steam, gas and water-power, made up as follows:—

	Millions of horse-power.
World's factories, including electric lighting and street railways	75
World's railways	21
World's shipping	24
Total	120

Of the 75 million horse-power used for factories and general industrial and municipal activities, a rough approximation of the most probable distribution would appear to be:—

	Millions of horse-power.
United Kingdom	13
Continental Europe	24
United States	29
British Dominions and Dependencies	6
Asia and South America	3

It is stated that a company in Quebec is considering the building of thirty wooden vessels of five thousand tons each.

INCREASE OF WATERWORKS OPERATING EXPENSES AND READJUSTMENT OF RATES

INFORMATION on operating expenses and rate increases of some of the leading water plants of this country was collected last spring by Mr. F. C. Jordan, secretary of the Indianapolis Water Co. Replies to his letter of inquiry received up to June 10th last showed an average increase of 29 per cent. in operating expenses during the previous six months over the normal pre-war operating expenses. This was the average for 32 plants. The highest increase (50 per cent.) reported was that of Jamestown, N.Y. The lowest (15 per cent.) was at Peoria, Ill.

Action during the past year or so regarding water rates was reported as follows:—

Atlanta, Ga., reduced its discount for prompt payment from 25 to 10 per cent.

Cincinnati, O., increased its rates 25 per cent., this increase affecting all water consumers.

Dayton, O., increased its annual minimum on $\frac{5}{8}$ -in. meters from \$4.40 to \$6.60. This amount covers a quarterly consumption of 1,000 ft. in addition to the meter rental.

Flint, Mich., increased the rate to its large consumers from 5 cents per thousand gallons to 8 cents.

Brockton, Mass., increased its rates to all consumers.

Philadelphia, Pa., increased its metered water rates 30 per cent.

Richmond, Va., increased its rates to large consumers from $3\frac{3}{4}$ cents per 1,000 gallons to 5 cents.

Detroit, Mich., put into effect an increase covering all consumers, and is now considering an additional increase.

Toledo, O., increased its water rates on October 12th, 1916, and is now figuring on another increase.

Savannah, Ga., increased its rates to all water consumers.

Toronto, Canada, increased its rates 10 per cent. in 1917, and an additional increase of 25 per cent. became effective in the early part of this year.

Town planning schemes are being proposed for the four principal cities of Alberta: Edmonton, Calgary, Medicine Hat and Lethbridge. The first steps have been taken and the engineers of the four cities are preparing maps, in consultation with the town planning adviser of the Commission of Conservation, showing the existing physical features and character of development in the city areas. These maps will be used as a basis for assessment and town planning purposes, and it is hoped, by means of the proposed schemes, to effect a change in the basis of taxation of real estate which will solve some difficult financial problems with which these new western cities are confronted.

War is a frightful thing, but it may prove of inestimable benefit to you if it teaches you the good habit of thrift.

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