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8.—Water from a well on the farm of Narcisse Tetreau, St. Paul l'Ermite, L'Assomption county, province of Quebec.

The sample sent for examination contained a small quantity of brown, flocculent matter in suspension which, on removal by filtration, was found to consist of hydrated peroxide of iron with a very little organic matter. The filtered water was bright, colourless, and odourless. It had a faintly saline taste. Reaction, neutral—both before and after concentration. Its specific gravity, at 15.5° C., was found to be 1012.50. The total dissolved saline matter, dried at 180° C., amounted to 16.956 parts per 1000 equivalent to 1201.76 grains per imperial gallon.

Agreeably with the results of a qualitative analysis, conducted by Mr. Wait, it contained :

Potassa trace.
Sodalarge quantity,
Lithia trace.
Ammonia
Lime
Magnesia rather small quantity.
Carbonic acid somewhat large quantity
Chlorine large quantity,
Phosphoric acidtrace.
Nitrogen as nitrates trace.
" nitritestrace.
Silica trace.
Organic mattertrace.

Baryta and strontia were sought for, but not detected.

Boiling produced a slight precipitate, consisting of carbonate of lime with a little carbonate of magnesia.

9.—Water from a spring at Ste. Rose, Laval county, province of Quebec.

This water at the time of its receipt, was faintly turbid; after filtration, however, perfectly bright and colourless. It was odourless and devoid of any marked taste. Reaction, neutral, both before and after concentration. Its specific gravity, at  $15.5^{\circ}$  C., was found to be 1000.2. The total dissolved saline matter, dried at  $180^{\circ}$  C., amounted to 0.220 parts per 1000, equivalent to 15.4grains per imperial gallon.

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