

REPORT OF THE ANALYSIS OF A SAMPLE OF WATER

FROM IRON'S WELL OR THE LEPER'S WELL,
FRITHAM, IN THE NEW FOREST.

SUPPOSED TO POSSESS SPECIAL PROPERTIES.

J. BRIERLY, PUBLIC ANALYST.

Physical Characters.—There was a copious deposit of a reddish brown colour at the bottom of the bottles. The perfectly clear water was of a pale green colour and free from odour.

Microscopic Appearances.—The deposit consisted entirely of vegetable matters of a minute fungus.

CHEMICAL ANALYSIS :—

	Parts per 100,000.	Grains per Gallon.
Free Ammonia	0.0092	0.0067
Albumenoid do.	0.0069	0.0048
Nitrogen as nitrates and nitrites ...	0.108	0.0756
Total nitrogen	0.1212	0.0848
Chlorine as chlorides	2.400	1.6800
Equal to sodic chloride	3.950	2.765
Oxygen absorbed in 15 min. at 80° F.	0.000	0.000
Oxygen absorbed in 4 hrs. at 80° F.	0.000	0.000
Volatile solids... ..	5.200	3.640
Fixed do.	24.000	16.800
Total do. by evaporation	29.200	20.44
Phosphoric acid	none.	
Iron in solution	none.	
Lead	none.	
Total hardness	13°	Clarke's scale.
Fixed do.	4°.9	" "
Removeable do. by boiling	8°.1	" "

Iron in deposit considerable.

Remark.—Ordinary water of fair quality.

Any iron in solution having been deposited. This appears to be considerable at the spring.