

Specification of Alfred Paraf : medicinally applying the protoxide of nitrogen.

Contributors

Paraf, Alfred.

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A.D. 1866, 31st JULY. N^o 1966.

SPECIFICATION

OF

ALFRED PARAF.

MEDICINALLY APPLYING THE PROTOXIDE
OF NITROGEN.

LONDON:

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A.D. 1866, 31st JULY. N° 1966.

Medicinally Applying the Protoxide of Nitrogen.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Alfred Paraf at the Office of the Commissioners of Patents, with his Petition, on the 31st July 1866.—
A communication from abroad by Paul Schutzenberger, of the College of France, Paris.

- 5 I, ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, do hereby declare the nature of the said Invention for "THE APPLICATION TO **MEDICINE**, FOR BEVERAGES AND FOR INDUSTRIAL PURPOSES, OF A NEW GASEOUS WATER," a communication to me from abroad by Paul Schutzenberger, of the College of France, Paris, to be as follows :—
- 10 Having ascertained that the protoxide of nitrogen, commonly called "laughing gas," is condensable under pressure in water like carbonic acid, I thought of applying it medicinally in cases of gout, gravelle-uric, and similiar diseases arising from the formation in the system of uric acid produced by imperfect or too slow combustion of the blood, and valuable results, quite in
- 15 accordance with my expectations, were obtained by drinking this gaseous water ; the protoxide of nitrogen goes into the blood by way of intestinal absorption, and thereby produces a more active combustion and prevents a normal formation of uric acid, and in case of gout, gravelle-uric, and similar diseases I have obtained immediate and remediable results.
- 20 To prepare this gaseous water I decompose pure nitrate of ammonia and let the gas pass through caustic soda and sulphate of iron, then in one of the apparatus used for the soda water manufacture the gas is compressed into the water at a pressure of 1 to 8 atmospheres according to the strength

Paraf's Medicinal Application of Protoxide of Nitrogen.

required, and with 4 atmospheres a very gaseous water is formed of a sweet taste.

I also combine pure protoxide of nitrogen with other matters, and obtain several advantages. First, I combine water and protoxide of nitrogen with carbonic acid; secondly, I make an alkaline protoxide of nitrogen water 5 containing 1 per cent. of bicarbonate of soda; and, thirdly, I make a lithinated water composed of 10 grains of carbonate of lithine, 40 grains of bicarbonate of soda, and 10 quarts or thereabouts of protoxide of nitrogen water, and the protoxide of nitrogen water can be applied industrially as an oxydating agent. 10

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1867.