

(12) **United States Patent**
Callen

(10) **Patent No.:**

X2952

(45) **Date of Patent:**

May 4, 1818

(54) **MAGNESIA, MEDICATED, LIQUID**

(76) **Inventor:** **John Callen**

John Cullen of

Vermont Patent.

The Schedule referred to in these Vellous Patent & making part of the same, containing a description in the words of the said John Cullen himself of his improvements in medicine, called Medicated Liquid Magnesia.

I take the Carbonate of Magnesia, *epi-cumosa*, mix it with pure water, & reduce it to an impalpable powder; I then permits the magnesia to subside, and decant the water in which any of its impurities may have been dissolved. I also wash the magnesia in a manner similar to that which is employed for the purpose of separating the fine from the coarse particles of powdered substances; for instance chalk and other articles: to this however, I lay no claim as to invention, but consider it as the most proper mode of preparing Magnesia.

Having freed the Magnesia of its impurities, I proceed to its solution, and add to the magnesian water, in which double refined sugar has been dissolved - regulating the proportion to the strength and palatability of the medicine: any other saccharine substance may be substituted for the sugar. I then put in the magnesia, sugar, water, and a small quantity of infusion of celery seed, *coriander* (or any other aromatic that will render it palatable, or increase the stomachic properties) into a copper vessel similar to those used in the preparation of Setzer, and other mineral water, into the aforesaid copper vessel, which contains the abovementioned articles, I force (by means of a forcing pump) Carbonic acid gas, (or fixed air) in sufficient quantity to dissolve the magnesia, and thereby give the solution an agreeable taste, transparent appearance, and more effective properties than the magnesia possessed in a solid state. It is to be understood, that the machinery used (for the manufacture of this solution) is exactly similar to that employed in impregnating artificial mineral waters, to wit, A vessel

in which the gas is generated, a gasometer, which is a reservoir of the gas, a pump constructed on the common plan, which forces the gas into the Copper vessel, which contains the Magnesia, sugar, celery seed, any other aromatic that I may deem expedient to make use of. Generally add to the solution either carbonate of potash or soda, but leave these entirely to circumstances. The medicated solution of Magnesia may be flavored with various substances without injury to its ant-acid or aperient properties. The solution may be prepared, without the addition of sugar or aromatics, and may be condensed into a form more convenient for transportation.

Witness my
hand this 10th day of

Benjamin Burick

John Cullen

Received this 13th day of September 1851.
The Secretary