



THADDEUS HYATT, OF ATCHISON, KANSAS.

Letters Patent No. 85,668, dated January 5, 1869.

IMPROVEMENT IN THE PREPARATION OF COD-LIVER AND OTHER OILS FOR MEDICINAL USE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, THADDEUS HYATT, of Atchison, Kansas, have discovered that carbonic-acid gas, heretofore employed to preserve meats, vegetables, malt-liquors, and milk, has the property of rendering cod-liver oil digestible when the oil is united to a sufficiently large volume of the gas, and by a combination that insures the simultaneous entrance of both into the stomach.

This result I accomplish by means of an auxiliary, which may be either a carbonated water, liquid, or liquor, but, as the principal function of this auxiliary is to merely receive and convey a proper quantity of gas into the stomach, I prefer it to be simple water, though any of the "mineral-waters" may be used instead, or even cider, champagne, ale, beer, wine, and the like, the theory of my invention being that to render cod-liver oil digestible, a greater volume of gas is required than can be conveniently held by the oil, the reasonableness of which theory may be understood from the circumstance that, while half an ounce of cod-liver oil is a dose, the proper quantity of gas to be taken with it is that volume which is contained in from three to four ounces of liquid, at a pressure of from forty to sixty pounds to the square inch. The foundation of my invention is not, therefore, any specific liquid, whether medicated or simple, as any kind may be employed that is not incompatible with the purposes for which the oil is used.

To mask the taste of the oil as completely as possible, I prefer to reduce it to an emulsive condition before uniting it to the carbonated liquid.

For this purpose, I employ sirup of gum, or sirup of gelatine; in the proportion of one of oil to two of sirup, beating the mass well together, and adding some flavoring-material.

In this condition it may be termed a sirup of cod-liver oil, and may be combined with the carbonated liquid in bottles like "bottled soda-water," or used as a sirup for soda-water drawn from a fountain; and the principle of my invention, which I have thus reduced to practice, as a discovery connected with cod-liver oil, is equally applicable to and embraces all other medicinal and alimentary oils.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. Combining cod-liver or other medicinal oil with carbonic-acid gas, or its equivalent, substantially in the manner and for the purposes herein set forth.

2. Combining cod-liver or other medicinal oil with carbonic-acid gas, or its equivalent, when the union is made under pressure, through the agency of an auxiliary or liquid, in an air-tight vessel, substantially in the manner and for the purposes herein set forth.

THADDEUS HYATT.

Witnesses:

THEODORE HYATT,
T. F. HUTTNER, M. D.