

DIRECTIONS

FOR THE PROPER USING

The Glass Apparatus to make Artificial Mineral Water, by impregnating it with fixed Air, &c. &c. &c.

SOLD BY WILLIAM PARKER AND SON,

At their GLASS MANUFACTORY, No. 69, FLEET-STREET.

TAKE the three Pieces apart from each other, and put as much Water in the bottom Vessel as will cover its lower Surface all over; fill the middle Vessel with spring or common Water, and put the top Vessel on it; when that is done, fill the small Phial with Oil of Vitriol, and pour it into the bottom Vessel; then take the tin Measure full of powdered Chalk or Marble, and put it into the bottom Vessel through the Glass Funnel; then immediately put on the other two Vessels. Let them all stand for about twelve Hours, and the Water will then be strongly impregnated, and fit for Use. It may not be improper to shake the whole Apparatus very gently, about once or twice in every Hour, which will help the Fermentation, and discharge more fixed Air than it otherwise would do.

These Waters are recommended by the most eminent Physicians, on Account of the very great Number of Cafes in which they have been highly beneficial.

By adding eight or ten Drops of *Tinctura Martis cum Spiritu Salis* to each Pint of Water, after it is well impregnated with fixed Air, it will resemble the genuine Pyrmont Water. But to render it Chalybeate, add only one Grain of Salt of Steel to the same Quantity of this Water.

N. B. A great Variety of Glasses, ready made, for Philosophical and Chymical Experiments, may be had at the above Glass Manufactory.



The process of making the

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For making the AQUA MEPHITICA ALCALINA, or SOLUTION OF VEGETABLE ALCALINE SALT, saturated with fixable Air, which has been lately discovered to be an efficacious Remedy in calculous Complaints, and other Disorders of the urinary Passages, attended with Stranguary*.—

PUT an Ounce (Troy Weight) of dry clean Salt of Tartar into a large Glass, China, or Stone-ware Vessel, and pour thereon nine Half-pints of Water. Rain Water, or Water that has been boiled, if it can be collected perfectly free from Impurity, is to be preferred; if it cannot be procured, good Spring-water may suffice: stir the Water well until the Whole of the Salt is dissolved; and then set it to stand in a quiet, cool Place, with a Cover on the Top, for twenty-four Hours. The clear Liquor should then be carefully poured off, or, which would be better, drawn off with a Syphon, from any indissoluble Sediment that may remain, and put into the middle Part of the Glass Machine, which will be nearly filled thereby.

A Stream of fixable Air must then be made to pass through it, as in the Directions for impregnating simple Water with fixable Air. When the Effervescence is over, and the fixed Air has ceased to rise, a fresh Quantity of Chalk, or Marble Dust (which last is preferable) should be added, till it will ferment no longer, and then the bottom Glass to be emptied and begin again as at first: the Liquor should be suffered to remain in the Machine, exposed to the fixable Air for sixty Hours; it will then be fit for Use, and what is immediately wanted may be taken. The Remainder, however, should be carefully drawn off into clean Bottles, (pint or half-pint Bottles are to be preferred) and immediately corked up closely and set in a cool Place, with the Mouths of the Bottles downwards, and immerged a few Inches deep in cold Water.

The above Remedy has been taken with great Advantage in calculous Complaints of the urinary Passages, and in habitual Stranguaries, from a Quarter of a Pint daily, to a Pint or more. If it should feel cold at the Stomach, about a Spoonful of *Stomachic* may be added to each Dose, at the Time of taking; or a Teaspoonful of Tincture of *Cardamum*, or of the compound Spirit of Lavender, may be taken immediately after it.

The Quantity generally taken, has been about four Ounces by Measure, or a quarter of a Pint thrice a Day, at about an Hour's Distance from the Time of taking Food; though, when used by Way of Prevention, Two-thirds of that Quantity may suffice.

When properly made, the Liquor should have a brisk, acidulous Taste, resembling Seltzer Water, and be totally free from any Alcaline Flavour whatsoever.

** If the Alcaline Solution be not perfectly saturated with fixable Air, it is apt, not only to be disagreeable to the Taste and Stomach, but also to prove irritating to the Urinary Passages, which it scarcely ever is when properly prepared.

* See Dr. Falconer's Appendix to the Second Edition of Dr. Dobson's Medical Commentary on fixed Air.

To make Seltzer Water as usual --- To Six Pints Rain or common Water
 136 Grains. or 2 Drams 1/2 Scruple 6 Grains Common Salt
 36 Grains. or 1/2 Scruple 6 Grains Uncalcined Magnesia Alba
 30 Grains. or 1/2 Scruple Sal Soda
 6 Grains. Salt of Steel
 Add 30 Drops Tinctura Martis cum Spiritu Salis
 Impregnate well with Fixed Air ---

*The process of making the
 Several sorts of
 Mineral waters
 Take a small glass bottle or to
 D but short and as wide as the
 neck of the middle Vessel of
 the Machine marked B will
 admit, to be let down by a
 Crooked piece of Iron wire
 let down by a thread made
 fast to the neck of Vial D
 the respective Substances
 belonging to each kind of
 Mineral water are to be put
 into the Vial D in proportion
 to the quantity of Water in
 the Vessel B and let down
 by the wire into said Vessel
 B the chalk and Vitriolic
 Acid are put into the under
 Vessel A the whole is to be
 left to work by itself one
 night or 6 or 7 hours in the
 daytime by this method
 the water in the Vessel
 B will be fully impregnated
 by fixed air and prepared
 for use --- Note ---
 If the acid is not
 sufficient to
 impregnate the Water
 with fixed Air keep it
 at work 3 or perhaps 4
 days occasionally adding
 more Marble powder or
 Oil of Vitriol as find
 think necessary
 Sol Soda --- 2 Drams
 Marine Salt dissolved in
 a Gallon Water is filter'd
 & fully impregnated with
 fixed Air in the Machine
 This Seltzer Water by
 Careless Druggist Worcest*