

VENTILATION.

READER!

If you know all about this, give it to your Neighbor.

*An Extract from a work by Priestley, on Respiration and the use of the Blood.—
Page 64. Vol. 3.*

PRIESTLEY says that "Mr. Cigna of Turin takes it for granted, that Air which has once been breathed is unfit for further respiration, on no other account than its being loaded with noxious vapors, which discover themselves by a fetid smell. And he takes it for granted that the elasticity of the Air is diminished by respiration, though he does not consider that diminution of elasticity is the cause of its noxious quality. He therefore concludes that Air which has been breathed suffocates by means of the irritation which it occasions to the lungs, by which the bronchia and the lungs themselves are contracted, so as to resist the entrance of the Air; and therefore, that respired Air is noxious on the same account as mephitic vapors, or those of burning brimstone, that, in frequently breathing the same Air, it becomes loaded with these vapors, as to excite a convulsion in the lungs, and thereby render them unfit for transmitting the blood."

But Priestley made the discovery that common Air contained a gas, now termed "Oxygen," which, when respired, combines with the blood, imparting vitality and causing it to circulate freely through the system. Oxygen forms only one-fifth of the atmosphere, and is consumed by combustion and respiration. These facts considered should make mankind guard their health by **PROPER VENTILATION**.

MIHAN'S SYSTEM

Has proved all that is claimed for it. It has been thoroughly tested, in both public and private buildings. During the last four years thousands have been made healthy and happy by its use. It is now on free exhibition at the office of the inventor, where references and further information can be obtained.

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P. MIHAN, Ventilating Engineer,

No. 1 PEMBERTON SQUARE (ROOM 9,) BOSTON.

MLM

Michaels

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The Exhaust Problem by Ericsson on Ventilation and the use of the Hood Page 64 Vol. 3

It BEETLE says that Mr. Green's claim takes it for granted that Air which has once been inhaled is unfit for further respiration, but for other reasons than its being loaded with noxious vapors, which however, there is no doubt small, and it takes it for granted that the elasticity of the Air is diminished by respiration though he does not consider that diminution of elasticity is the cause of its poor quality. He therefore concludes that Air which has been breathed, and as means of ventilation which is essential to the lungs, he would the process and the burnt products are contained, so to speak, the composition of the Air, and therefore that oxygen is retained on the same amount as in the fresh air, and that of burning products, and in products, leaving the same Air is burned, and that these vapors are in various quantities in the lungs and that it is not possible for them to be transmitted to the blood.

But further, and the theory that oxygen is contained in gas, how long it exists, which when respired, combines with the blood, returning stable, and amount to circulation, through the system, 1000 cc in 1000 cc of oxygen, and the atmosphere, and is converted to a combination and return to the atmosphere. There is no doubt that the blood should only contain a small amount of oxygen, and that it is not possible to transmit the blood to the lungs.

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For Sale by Commission of Ventilation, Inc.

P. MICHAEL, Ventilating Engineer,

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