

EFFECTS OF RESPIRED AIR.—Dr. De Chamont, Professor of Military Hygiene, in his late work, "Lectures on State Medicine," declares that the changes in the atmosphere which occur through combustion are 'comparatively insignificant by the side of respiration, including transpiration, which is really the most serious and constant source of impurity,' as the oxygen is greatly diminished, the carbonic acid largely increased, a larger amount of watery vapor produced, a considerable quantity of organic matter and ammonia evolved, and a notable quantity of suspended matter set free. He believes that this fact has not received the attention it deserves, as 'among the rich and poor the most constant condition is ill-ventilated dwellings,' and that consequently phthisis, (consumption), which causes about 108 per 1,000 deaths, takes the first place on the death-rate; that bronchitis, with 87 per 1,000 deaths, takes the second; atrophy and debility, with 61 per 1,000, the third; and old age, which should occupy the first place, only obtains the fourth, with 55 per 1,000. That the injurious effects of air vitiated by respiration and transpiration are not confined to these above-named diseases, but extend also to zymotic diseases; and that if we could get rid of the effects of crowding, and provide a supply of pure air to the community, we might diminish the mortality by more than one-fourth.

INSPECTION OF DAIRIES.—The *Sanitary Record* announces the outbreak of another distressing epidemic of typhoid fever at Eagley, which is distinctly traceable to the milk-supply. Upwards of 120 persons who were supplied with milk from a particular farm in the neighborhood were attacked with somewhat peculiar symptoms, stated to be a hybrid of typhoid fever and ordinary blood poisoning. The drainage on the farm whence the milk was supplied is stated to be of the worst possible character, and the inference is that the milk was mixed with the polluted water, which was also doubtless used to wash the utensils on the farm. The epidemic has also made its appearance in Bolton in those houses which were supplied with the milk. This very serious outbreak of epidemic disease following on various others of the same character, says the *Record*, shows the absolute necessity for the systematic sanitary inspection of all dairy farms. In Canada there are no systematic investigations as to causes of typhoid and such like diseases, and consequently no knowledge as to the amount of disease produced by poisoned milk. Foul milk and disease germs are swallowed and no questions asked.