

may be open. Fox says, however, "A very sensitive test suspended in a room with closed windows, situated in the country, or on the outskirts of a town, will, according to my experience, generally indicate its presence. The current of air which is always rushing towards the fireplace contains a sufficient quantity of this body to produce, after an exposure of a day or two, a very decided coloration."

As to the natural sources of atmospheric Ozone, it is thought that the friction of water drops against air, and the attrition of particles of air against each other by the wind, producing electricity, generates Ozone. The researches of Dr. Daubeny, in 1866 (*Rept. to Brit. Assoc.*), tended to show that atmospheric "Ozone is almost entirely due to plants, the green parts of which generate Ozone during the day, whilst emitting oxygen; and that flowers generate no Ozone."

The artificial generation of Ozone in rooms, especially in the wards of hospitals, has been suggested by Dr. Richardson.

It must be borne in mind, that while a certain proportion of Ozone in the air appears to be essential to health, a large amount of it may be deleterious.

Correspondence.

PULLMAN CARS AND VENTILATION.*

To the Editor of the Sanitary Journal.

SIR,—For some time past my attention has been directed to the construction of the sleeping department of the Pullman cars, and in hopes that the requisite modifications would be gradually introduced, I have not previously adverted to the matter. At present the beds in each section are opened out at night, after having been tightly closed for a period of twelve or fourteen hours. Into these very beds a stranger enters, probably partially recovered from some infectious disease, such as small-pox, scarlet fever, etc. He makes his exit, and at once these beds are closed and fastened down carefully again until the following night, when the same process of bed making is observed, with a change of sheeting, as the case may be. Now, it appears to me that a perforated modification of the bed casings would very considerably improve the condition of comfort and purity of atmosphere. Such perforations to be directed outward so as not to communicate with the interior of the car.

* A portion of this letter was published in the *Mail* a short time ago.