

and it is, I should think, almost impossible to draw the milk without its becoming contaminated. There is also reason to fear that the animals suffer from various diseases, and that ulcers frequently exist about the teats.

Some of the byres are in a most disgraceful state of filth, and not only is the milk thereby necessarily made impure and unfit for human food, but they constitute a nuisance to the neighbourhood, and a source of pest to the city. The City Commissioner has wrought a wonderful reform; but the law is inadequate to enable him to accomplish what is requisite for the health of the public.

Although much might be said upon the subject, I feel I have exceeded reasonable limits in addressing you. But I trust the importance of the matter renders an apology unnecessary.

Respectfully yours,

WM. CANNIFF, M.D.,

M. R. C. S., ENG.

301 CHURCH ST., 17th FEB., 1876.

PRACTICAL NOTES AND EXTRACTS ON HYGIENE.

(Continued.)

VENTILATION—MOVEMENT, DIFFUSION, &C., OF AIR.

In the February number of the *SANITARY JOURNAL* it was said that the movement of air arising from difference in temperature, and consequently in weight, of the air inside and outside a room is chiefly to be relied upon in *natural* ventilation; and a table was given showing the amount of air in cubic feet which would enter a room each minute through a sectional area of one square foot (one fourth being deducted for friction) for all probable variations in temperature between internal and external air, and probable height of columns of air, *i.e.*, the distance between the lower part of the column (as the floor of the room) and the point of delivery into the open air (as the top of the chimney or ventilating tube, or the outlet of the room where this communicates directly with the outer air.)

It must be remembered however, that the movement is influenced by the wind. It may appear superfluous to many readers of the *JOURNAL* to go back, as it were, and add here that, when a certain amount of air is warmed it increase in volume, becomes lighter, bulk for bulk, and immediately com-