

of the furnaces, with the intention of substituting steam. The weather, during my stay, was mild, and the house was comfortably warm in all parts where I penetrated. I have no doubt of their ability to keep the house sufficiently warm with their present means, but the number of stoves must be a source of extreme anxiety and danger.

As to the ventilation, it is also a mixed system, if such it may be called. The ventilation in the female wing was better than in ward No. 7 (the worst Toronto ward in the female division), but no better, if equal, to that of our wards Nos. 3 and 5; while in the male wing it was, I think, worse than our ward No. 8, and decidedly worse than wards Nos. 4 and 6. This, I think, will appear to be likely, from a consideration of the circumstances of the case.

In the female wing of the Quebec Asylum there is a suction chimney, or flue, with pipes communicating to the various rooms, to draw off the foul air. Although there are no fires in the flue to heat it, yet still there is a draft through the tubes leading to it. There is no such provision made for ventilating the male wing. There is in each cross wing a stack of chimneys, with stove-pipe holes opening into them on each floor; none of the flues are heated, but still a great deal of foul air must escape by this means. There also are openings in the ceiling of the attic, which permit foul air to pass up, and thence into holes into chimney flues. There is but one furnace in operation, which is placed under the centre of the building, but the heated air from which is divided between the centre building and the male wing. This furnace, of course, acts as a ventilator, by introducing fresh air. But while the female wing has the best means of ventilation, the sources of supply of foul air are most numerous in the male wing.

The water-closets in the male wing are made of un-enamelled cast iron, shaped like ours. The water is let on by means of a common screw-tap out of a pipe, and I found the pans giving off a good deal of foul air. Those in the female wing are made of boxes placed under the seats, about two and a-half feet long, fifteen inches wide, and twelve inches deep, with a waste pipe which permits fluids to pass off, but which retains solid matters until the waste-pipe is drawn out. The waste water from the wash-basins runs into these boxes. They give off less foul air than the water-closets in the male wing, and, I think, are considered to do so by the Wardens of the institution.

The ventilation of the centre building is very defective. There is no special means for carrying off foul air, which I found very per-

ceptible, and from the Mr. and M. which receive wing, and drain the holes is situated the vestibule heated and The general to infuse a impure as Toronto A uppermost

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