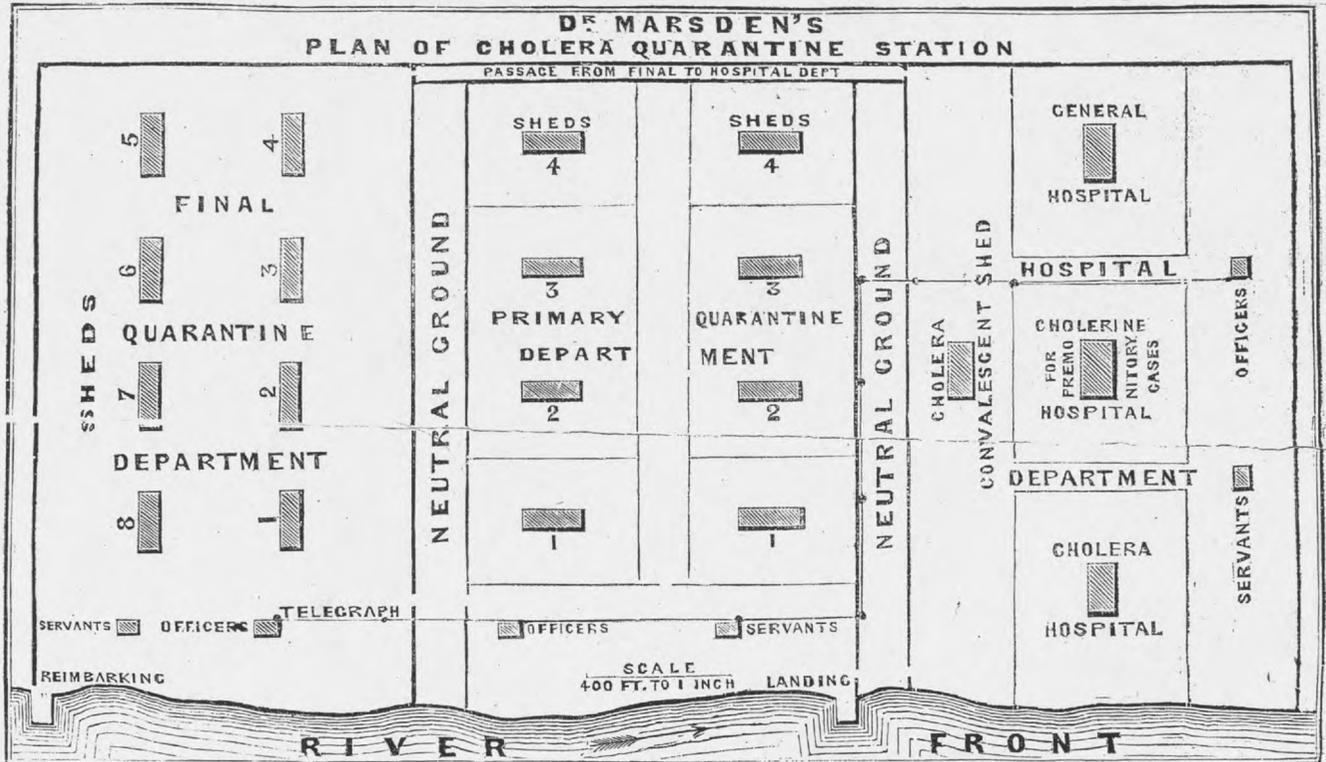


PLAN OF QUARANTINE FOR CHOLERA.

The following plan of Quarantine for Asiatic Cholera, is the result of a special study of the etiology and pathology of the pestilence, which five distinct visitations have afforded me, during the last thirty-four years. It is no part of my present design to touch the *vexata questio* of contagion or non-contagion; the proposed plan being founded on the principle that Asiatic cholera is a portable, controllable and communicable disease; and, like the plague, may be transmitted and communicated, both by persons and effects. The basis of the plan is therefore absolute non-intercourse, for a short period, with persons from abroad suspected of being infected; and a thorough disinfection of personal effects.

I assume the principle propounded by Kennedy, in his "History of the Contagious Cholera," that the peculiar variety of cholera that has visited various parts of the world, during the past half-century, is identical with that which broke out in India in 1817, and "assumed a contagious property which there is no evidence to prove it ever before possessed."

My opportunities of investigating facts connected with the disease, on this continent, have been extensive and ample; and I have been enabled, from personal observation and enquiry, to trace the introduction of the disease into this country, on each occasion, to importation from infected places. Its subsequent diffusion throughout the British Provinces and the United States has also been strongly marked by the ordinary characteristics of infection, notwithstanding the statement of individual writers to the contrary.



DR. MARSDEN'S PLAN FOR A CHOLERA QUARANTINE STATION.

1. The Cholera Quarantine Station shall be divided into three separate and distinct sections or departments.
2. Each of these three sections or departments shall be isolated and separated from one another, by a cordon or portion of neutral ground, of not less than one hundred feet wide.*
 - a. One of these sections or departments shall be appropriated to the use of the sick, and shall be the Hospital Department.
 - b. The next or central section or department shall be devoted to the use of passengers not having had cholera, but from infected vessels.
 - c. And, the third or healthy section or department, shall be appropriated to the use of the healthy, who have been removed from the central department, after having performed quarantine there.
- A. In the first section or department there shall be three separate and distinct hospitals, besides a convalescent shed or hospital.
 - a. The one for confirmed cases of cholera, to be called the CHOLERA HOSPITAL.
 - b. Another for cases of choleraic diarrhoea, or other premonitory symptoms of cholera, to be called the HOSPITAL FOR CHOLERINE.
 - c. The third for all other diseases, not cholera, or cholera, but coming from on board infected vessels, or vessels having had cases of cholera on board, to be called the GENERAL HOSPITAL.
- B. The next or central section or department, shall be the primary quarantine department, and shall be appropriated to all persons who are not sick, but come from vessels having had cholera on board, and wherein every case on landing shall undergo inspection, washing, cleansing and purifying both of persons and personal effects. There a quarantine of four days shall be performed, at the end of which period of time all such persons as continue in sound health, shall be removed to the Final Quarantine Department, and any that may fall sick, or be threatened with sickness during the four days of probation, shall, as soon as detected, be removed to the proper hospital, in the Hospital Department. There also, the healthy inmates shall be removed daily to a new locality, thus occupying four different habitations during their sojourn.
- C. The third, or healthy department, shall be the Final Department, and shall be for all cases coming from the Primary Quarantine Department, after having been cleansed, washed and disinfected, and after having undergone the four days quarantine; and here a further quarantine of six days shall be performed, (excepting cases coming from the convalescent hospital or shed, hereinafter provided for,) making in all ten days of quarantine, when all persons continuing healthy shall be discharged from quarantine, and be removed from the station. If any premonitory symptoms or other cases of sickness occur in this department, during the six days of quarantine, they shall, as soon as discovered, be removed to the proper hospital, in the Hospital Department.

No communication shall take place with the Hospital Department, except through the central or Primary Quarantine Department, for which purpose a passage, unfrequented by the persons undergoing quarantine, shall be set apart and reserved.

The three sections or departments above described shall be designated and known as—

1. THE HOSPITAL DEPARTMENT.
2. THE PRIMARY QUARANTINE DEPARTMENT.
3. THE FINAL QUARANTINE DEPARTMENT.

TO PILOTS.

1. All vessels coming from infected ports, and having, or having had cholera cases on board, shall be brought to anchor abreast of the central or Primary Quarantine Department or Station.

2. All vessels coming from ports known to be infected by cholera, or not, and not having or having had any case or cases of cholera on board, shall be brought to anchor abreast of the healthy or Final Quarantine Department or Station, where and when they shall be boarded by the Medical Officer of that Department, and he shall have power either to discharge them from quarantine forthwith, or detain them, if he finds sufficient cause for so doing.

OF LANDING AND RE-EMBARKING.

- a. The landing of passengers and their effects shall take place at the Primary Quarantine Department only.
- b. The re-embarking of passengers and their effects shall take place from the Final Quarantine Department only.

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1. On the landing of passengers from on board ship at the Primary Quarantine Station, the sick shall be forthwith removed to the Hospital Department, and the healthy to the place assigned to them, in the Primary Quarantine Department.

2. The sick shall be borne upon litters and placed within the neutral limits about midway between the Primary Quarantine and Hospital Departments, by the persons who bring them ashore, and who shall then retire to the Primary Quarantine Department, (unless they be seamen belonging to the vessel, in which case they shall return aboard ship); whereupon persons from the Hospital Department shall enter the neutral ground, and remove them to the proper hospital.

3. There shall be in the Hospital Department, at a reasonable distance from the Cholera Hospital, a shed or building for cholera convalescents, where they shall remain at least for *four days* previous to being removed to the Primary Quarantine Department, and where a quarantine of *four more days* shall be performed after cleansing, washing and purifying, previous to removal to the Final Quarantine Department, where *two more days* of quarantine only, instead of six, shall be performed, making in all *ten clear days* after leaving the Cholera Hospital, when, if the patient continues healthy, he or she shall be discharged.

4. Persons having completed their period of quarantine shall be removed at once from the Quarantine Station, by steamers chartered for the purpose, and shall proceed directly on their journey.

5. Provisions, stores, clothing, bedding, and all other necessaries or supplies for the Hospital Department shall be conveyed within the Hospital limits, under the same regulations and restrictions as persons.

6. All physicians, orderlies, servants, nurses, attendants, &c., connected with the Cholera Quarantine Station, as also all persons performing quarantine, shall remain and be kept constantly in the department or section to which they have respectively been assigned, and none of them shall, under any pretext whatever, be permitted to have any communication or intercourse whatever, directly or indirectly, with persons from another department or section, excepting in due course of quarantine.

7. Any employee, nurse or orderly belonging to the Quarantine Station, who may be found violating the above rule, shall be liable to suspension from office, with forfeiture of salary and emoluments, or dismissal from office, at the discretion of the Medical Officer in charge, or of the Superintendent, besides being obliged to undergo such quarantine as the nature of the contact or exposure may warrant.

8. Any person violating the above rule by going from the Final Quarantine Department to the Primary Quarantine Department, or from either of these to the Hospital Department, shall, on detection, be detained in the Department they have gone into, in violation of the law, and shall undergo quarantine there anew.

9. All persons suffering the approach of persons from another Department, excepting in due course of Quarantine, will render themselves liable at the discretion of the medical officer, to be sent back to the Department to which the person so approaching them belonged, and shall undergo Quarantine anew.

10. The three Quarantine Sections or Departments shall be separated from each other, and bounded by a *cordon* or piece of neutral ground, of at least one hundred feet in width, and shall be surrounded by a strong fence of at least seven feet high.

11. Between the Final Quarantine and Hospital Departments, at the extreme end of the Primary Quarantine Department, there shall be a *cordon*, or passage or portion of ground, of at least thirty feet wide, with a close fence of seven feet high, to be used exclusively as a passage from the Final to the Hospital Department, for the return of patients to the Hospital Department if necessary.

12. Each of the subdivisions in the Hospital Department shall be surrounded by an open fence of seven feet high.

13. Each of the subdivisions in the other departments, and especially in the Primary Quarantine Department, shall be surrounded by a close fence of seven feet high.

14. Each of the before mentioned departments may and shall be subdivided, in such manner as circumstances may require; and as near as practicable in accordance with the accompanying plan.

15. The place of landing in the Primary Quarantine Department shall be as near the Hospital Department as convenient, and as far removed as possible from the place of departure or re-embarkation, in the Final Quarantine Department.

16. There shall be telegraphic communication between each of the Departments, with a telegraph operator attached to each.

Among the additional details of my plan, the following is most important:—

A *perpetual* stream of water shall be made to flow through all the water-closets, cess-pools, drains, &c., which shall empty themselves at low water-mark; and such other disinfectants and deodorizers as science may suggest and necessity dictate, shall also be used.

W. MARSDEN, M. D.,

Ex. President & Governor of the College of Phys. and Sur. Lower Canada; Hon. Fel. Med. Bot. Society, London; Cor. Fel. Med. Soc. London; Hon. Fel. Mont. Pathological Soc.; Hon. Fel. Brks. Med. Soc. and Lyceum; Nat. Hist.; Hon. Fel. Medico-Chirurgical Soc. New York; &c., &c., &c.

PLACE D'ARMES, Quebec, January 10th, 1866.

* I am of opinion that less than this space might suffice.—W. M.

Robert Duggan Esq. By
 J. H. M. Esq. & M. L. Esq.
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