

2. To have the blankets, etc., washed, and the bedding well aired every fine day, while the men are under canvas.

3. To hunt up cesspools and other *nidi* of infection and deal with them promptly. The stable yard is very much in need of drainage, and sand or gravel should be spread throughout its extent.

4. The latrines inside the fort should be dealt with with dry earth. Dr. Kennedy's suggestion of earth closets is a good idea.

5. The establishment of lavatories in connection with each division room, as recommended by Dr. Kennedy, I highly approve of. Bathing enforced once a week and a medical inspection immediately after, say every Saturday afternoon, would insure personal cleanliness.

6. The post-surgeon should make it his duty to visit the barrack rooms, kitchens, out-houses, etc., at least once a fortnight, and the orderly officer, in his daily rounds, should look out for any conditions which might endanger the health of the force, and should any be found, draw the attention of the medical officer to the fact.

7. The Indians, during their annual payments, should not be allowed to camp on the banks of the stream or its tributary gulch-creeks, as heretofore. Their habit of throwing all kinds of filth in the water, bathing, etc., must be a fruitful source of contamination.

And should all these precautionary measures fail, the first case of fever should be taken as a sign of warning, and the troops removed to some other locality and placed under canvas for a few weeks, say on the East Hill, about two miles from the fort, where there is a very fine spring of cool, pure water. The camping out would do the men good; drilling and field exercises would relieve the monotony of camping. I believe you suggested this last year, but, some way or other, it was not carried out.

I would respectfully call your attention to that questionable guard-room at Fort Walsh, which serves the tripple purpose of guard-room, jail and lunatic asylum. The whole structure measures about 16x12 on the inside. Half of the space is taken up by three cells, in which I have seen as many as five and six prisoners incarcerated, and the other half is usually occupied by a guard of four to six men. I need not say that the building is far from meeting the requirements of that post, where we are at all times liable to have several prisoners, besides some of our own fractious men, and a lunatic occasionally. Within the last two years we have had the care of two lunatics. The first was an old squaw, somewhat inclined to cannibalism; she was completely maniacal and very difficult to manage. Her filthy habits infected the guard-room to such an extent that she had to be removed to a small building by herself. Under kind treatment and good food she completely recovered her mind. The second was a young half-breed, who was said to endanger the lives of his young nephews. He was found perfectly harmless and obedient, and was released last summer.

I would also recommend that sanitary measures be enforced among the settlers about the fort. They should be made to build a well to be used in common. Their filthy habits of throwing refuse matter, offal, and wash-water into the stream should be prohibited, and any offender promptly and severely dealt with. It would be an easy matter to keep typhoid fever out of the fort were there no settlers about it, but if these be allowed to practice habits which must favor the propagation of the disease, all our efforts and precautionary measures to stave it off will come to naught.

The other diseases enumerated in Appendix A, require no commentary, except a case of diphtheria. It was the only case which has come to my notice since I have been in the North-West. The man took the disease at Wood Mountain and had to be brought to Fort Walsh. I saw him on the eighth day after the first manifestation of the disease. The worst feature about this case was a large abscess which formed at the base of the tongue and extended down the neck a considerable distance. He was ill altogether twenty days. The two cases under the names of "Bruised ankle with dislocation," and "Burn," happened after I left the post.

Dr. Kennedy recommends that hospital comforts, in the form of concentrated broths, etc., for the use of the hospitals should be supplied along with the other stores