

MADRAS RECORD OFFICE.

Government of Madras.

Judicial DEPARTMENT.

G.O. No. 193	Press ~~Mis.~~
92-95	
Dated 16 - 2 - 1918	1864

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Not to be folded or roughly handled

*Proceedings of the Madras Government, Judicial Department,
16th February 1864.*

Read the following papers:—

No. 92. From Lieutenant-Colonel W. MAXWELL, Royal Artillery, Officiating Secretary to the Government of Bengal, Public Works Department; to the Secretary to the Government of Fort Saint George, Judicial Department, dated Fort William, 13th October 1863, No. 5953.

Public Works Department,
Judicial—Jails.

I am directed by the Honorable the Lieutenant-Governor of Bengal to request that, with the permission of the Honorable the Governor of Madras, you will favor this Government with a Memorandum and Drawings showing the mode by which the Jail at Outacamund is heated.

The Inspector General of Jails is requested to furnish the Memorandum and Drawings required by the Government of Bengal.

(Signed) A. J. ARBUTHNOT,
Chief Secretary.

No. 93. From J. RONDE, Esq., Inspector General of Jails, to A. J. ARBUTHNOT, Esq., Chief Secretary to the Government of Fort Saint George, dated Outacamund, 24th November 1863, No. 436.

I have the honor to forward herewith drawings showing the arrangement of the heating apparatus for the prison at this station.

2. Colonel Maxwell will observe that in the English Prisons ventilation is effected by abstracting the air from the cells, the heated air being supplied from above and drawn through the cells diagonally, the egress flue being connected with a furnace at the top of the building which is thus fed with air.

3. I have preferred the plan of supplying heated air from a chamber in which it is in contact with hot water pipes, the circulation of heated water is maintained by the mode common in green-houses and which is dependent on the well known tendency of hot water to rise and of the colder fluid to fall. I estimated the probable temperature of the pipes at 160° and therefore gave 8 inch pipes to raise the temperature in the cells 4°; but owing to causes which I cannot fully explain, the air does not rise through the eduction tubes with the rapidity I anticipated, and at the same time the temperature of the water is maintained higher than I intended, the result has been that the cells have often been over-heated, and had I been here previous to last monsoon, it had been my intention to construct two large fans, or blowers, by means of which heated air should be driven through the cells in the evening.

4. I have never seen the Thermometer in a well constructed house here below 60°, or higher than 64°, and except for the purpose of drying the building, I should not now introduce a stove at all.

5. My first intention was to have the cell doors with a hinged trap, the width of the door, and 4 inches high at the bottom, and to have a stove in the corridor, or below the corridor, from which the air in the cells would be sufficiently dry; the kitchen range chimney pipe carried through the corridor would answer the purpose if not so heated in its exposed parts as to burn the air. I should be very apt to revert to my first intention had I to build a second prison.

6. The air flues for induction and eduction are 9" x 4" secured on the cell side by iron bars (pinned galvanized sheet iron would be better).

7. I have put Doctor Mount in possession of all details of the building. A better arrangement for access from the kitchen to the corridor is desirable.

*Proceedings of the Madras Government, Judicial Department,
16th February 1864.*

No. 94. From Lieutenant-Colonel W. MAXWELL, Royal Artillery, Officiating Secretary to the Government of Bengal, in the Public Works Department; to the Secretary to the Government of Fort Saint George, Judicial Department, dated Fort William, the 6th January 1864, No. 60.

Public Works Department,
Judicial—1864.

I am directed by the Lieutenant-Governor of Bengal to draw attention to letter from this Office, No. 5955, dated the 13th October last, and to solicit that the papers regarding the mode by which the Jail at Ootacamund is heated, which were applied for, may be furnished to this Office.

No. 95. To the Officiating Secretary to the Government of Bengal, Public Works Department, Calcutta, dated Fort Saint George, 16th February 1864, No. 193.

I have the honor, with reference to your letters of the 13th October and 6th January last, to forward herewith, for the information of the Honorable the Lieutenant Governor of Bengal, a letter and Drawings received from the Inspector General of Jails in this Presidency, explanatory of the Heating Apparatus in use at the European Prison at Ootacamund.

2. It will be seen that Mr. Rohde states that he has placed Dr. Mount in possession of all the details of the building.

(Signed) A. J. ARBUTHNOT,
Chief Secretary.

Encl. T. O'Connor.

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for Bryan's letter*

Judicial Dept.

No. 193

*To the Offs Secy to the Govt. of Bengal
P. W. D. - Calcutta*

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I have the honor with reference to your letter of the 13th October & 6th Jan last to forward herewith for the information of the Honble the Lt Governor of Bengal a letter & drawing explanatory received from the Inspector General of Jails in this Presidency, explanatory of the heating apparatus in use at the European prison at Ootacamund.*

*Fort St George
16 February 1864*

It will be seen that Mr. Rohde states that he has placed Dr. Mount in possession of all the details of the building.

Yours

W. H. H.

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Vol. 1st 79

Richard M. S. Sparks
1849
The 1849 day to the 4th
of August