M.R.O. 1—20,002—12-8-65.

(1) Number of Pages 10.

(2) Date of repair 3-3-67

(3) Initials of the Referencer [illegible]

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue. DEPARTMENT

G.O. No. / B.P. No.	1367.	Press / Mis.
Dated	26-10-1874	1896.

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department,
26th October 1874.

No. 299. Read the following letter from J. BROUGHTON, Esq., Government Quinologist, to C. G. MASTER, Esq., Acting Secretary to Government, Revenue Department, dated Ootacamund, 3rd October 1874 :—

I AM now in receipt of G. O., No. 1,094, of 28th August 1874, and learned with much regret of the state of Amorphous quinine alluded to in the attached letter of the Surgeon-General.

2. I have examined the sample, and find its mechanical state to be due to an admixture of the isomeric forms of the ordinary Cinchona alkaloids. I find upon investigation that it has been caused by the evaporation mentioned in paragraph 18 of my report (attached to G. O., No. 408, of 1st April 1874), being proceeded with too far. The prolonged heat has caused part of the quinine and Cinchonidine to be converted into their isomeric forms which are glutinous and fusible in the climate of Madras. The proceeding of manufacture has been slightly altered in consequence of the letter sent by the Surgeon-General to the manufactory, and the evil has in consequence quite ceased. The change in the alkaloids is hardly one that could have been foreseen, and it is only by actual experience that the risk of change by manufacture has become known. It will, of course, not again occur. Solid Cinchona alkaloids are not liable to spontaneous change, and the deterioration has been caused in the manufacture, and only lately.

3. The value of the Amorphous quinine in medicine is not at all effected by the change in its state. But it will be necessary to prepare it in a solution for the convenience of the prescriber. I am desirous of speaking to Dr. Balfour and the Medical Store-keeper concerning this and also concerning the calcic quinovinate for which he has recently indented on me. I also desire to see Mr. Doderet at the works at Chepauk concerning certain apparatus. I have, therefore, the honor to request permission to go to Madras on duty at a convenient season. My absence shall not, of course, interfere with the fulfilment of G. O., No. 759, paragraph 15 of 22nd June 1874, and shall not take place till after the sitting of the Commission, unless the arrival of Mr. Cornish be delayed.

No. 300. ORDER THEREON, 26th October 1874, No. 1,367.

Miscellaneous.

COMMUNICATED to the officers noted in the margin.

2. Mr. Broughton is at liberty to proceed to Madras for the purposes stated by him when his regular work permits.

Surgeon-General, Indian Medical Department.
Sanitary Commissioner.
Commissioner of the Nilgiris.

(True Extract.)

(Signed) C. G. MASTER,
Acting Secretary to Government.

To the Surgeon-General, Indian Medical Department.
„ the Sanitary Commissioner.
„ the Commissioner of the Nilgiris.
„ the Government Quinologist.

Ed. F. R. Bantleman.

Govt. of India Circular.

REVENUE.

To

The Surgeon-General, Indian Medical Department,

&c., &c., &c.

Dated October 28th

Rect.

Ext.

G. O., 25th October 1874, No. 1,367.

OCTOBER.

Nos. 299-300.

Darjeeling Army Insp. Commission the 30th

of the Medical Store Depot—Communicates report on the

certain articles Mr. Pennington reports on the

example of — sent to him, and permitting him to

proceed to Madras for the purpose of making

his report with the

REVENUE DEPARTMENT.

No. 3459.

From the Govt. Quinologist, Ootacamund

Dated 30th October 1874.

FOR ORDERS.

I would communicate
this to the Commr. Nilgiris
& Mysore when he
asks him permits for
the Madras States

Rec'd 4/11

Rep 21/10 19.10

FOR ORDERS.

15/10/74

Cotacamund
3rd October 1874

From,

Mr J. Broughton
Government Entomologist

To,

C.G. Master Esq.
Actg Secretary to Government
Revenue Department
Cotacamund

Sir,

I am now in receipt of G.O. No. 1094. of 28th August 1874. and learned with much regret of the state of Amorphous quinine alluded to in the attached letter of the Surgeon General.

2. I have examined the sample and find its mechanical state to be due to an admixture of the isomeric forms of the ordinary Cinchona alkaloids. I find upon investigation that it has been caused by the evaporation mentioned in para 18 of my report (attached to G.O. No. 408, of 1st April 1874) being proceeded with too far. The prolonged heat has

has caused part of the quinine and cinchonidine to be converted into their isomeric forms which are glutinous and fusible in the climate of Madras. The proceedings of manufacture has been slightly altered in consequence of the letter sent by the Surgeon General to the manufactory, and the evil has in consequence quite ceased. The change in the alkaloids, is hardly one that could have been foreseen and it is only by actual experience that the risk of change by manufacture has become known. It will of course not again occur. Solid cinchona alkaloids are not liable to spontaneous change, and the deterioration has been caused in the manufacture and only lately.

3. The value of the amorphous quinine in medicine is not at all effected by the change in its state. But it will be necessary to prepare it in a solution for the convenience of the prescriber.

I am desirous of speaking to Dr Balfour and the Medical Store Keeper concerning this and also concerning the calico quinovate for which he has recently indented on me. I also desire to receive orders at the works at Chegauk concerning certain apparatus. I have therefore the honour to request permission to go to Madras on duty at a convenient season. My absence shall not of course interfere with the fulfilment of G. O. No. 759 dated 15. & 22d June 1874 and shall not take place till after the sitting of the Commission unless the arrival of Mr Cornish be delayed.

I have the honour to be
Sir,
Your most Obed. Servt

John Broughton

Government Quinologist

No 3459
Revenue 18/4/Sanpl

From

The Govt Reinvestigt
Ootacamund

To The Secretary to Govt
Revenue Depart
Ootacamund

Dated 30
Rec 3 } Oct 1874

Enclosures-None

No 1367 - 26 October 1874

Report concerning
the mechanical state
of Amorphous quinine
recently sent to Medical
Stores per Sanitary Steamer

299-300

No 1367

Communicated to the
Surgeon General &
Sanitary Commissioner officers deputed to the
Nilgiris
Surgeon Genl &
Sanitary Commissioner Nilgiris
Surgeon Genl &
Sanitary Commissioner Nilgiris
Surgeon Genl &
Sanitary Commissioner