

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	1351	Press Mis.
	403.404	
Dated	21-7-	19-1863

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
21st July 1863.*

No. 403. Read the following letter from W. G. McIVOR, Esq., Superintendent Government Chinchona Plantations, Ootacamund, to J. D. SIM, Esq., Secretary to Government, Revenue Department, Fort Saint George, dated Ootacamund, 7th July 1863, No. 41:—

SIR,

1. It affords me much pleasure to be able to submit, for the information of Government, the enclosed report of the analysis of Chinchona bark, submitted to the Secretary of State by Order of Government, under date 11th April 1863, No. 634.

2. This highly satisfactory report of the early formation of alkaloids would seem to render necessary a change in our present system of cultivation. In order to obtain the greatest possible return it is no doubt desirable that instead of our plants being planted ten feet apart as at present, the distance should be reduced to eight feet for the red and yellow barks, and six feet for the crown barks, this would enable us at the end of the fifth or sixth year to remove each alternate plant. This operation would give those remaining sufficient space to attain maturity, and yield a large harvest of bark; while the plants by being placed close together will afford each other in the early stages of growth protection from the parching rays of the sun during the dry season, and also from the gales of wind during the monsoon.

3. I would, therefore, propose with the permission of Government to follow the close system of planting in future, as it is of great importance to obtain as early a return as possible in a cultivation of this description. This alteration in the system of cultivation will nearly double the number of plants required per acre, and may in consequence for a short time reduce the number of plants available for the public.

From J. E. HOWARD, Esq., to C. R. MARKHAM, Esq., dated May 28th 1863.

MY DEAR SIR,

1. I have great pleasure in informing you that the result of my examination of the bark of *C. Succirubra* grown in India is very satisfactory. I have, thus far, only operated upon 500 gr. proceeding cautiously, as the quantity of bark sent is small. I find exactly the same constituents as in South American "red bark," and was able to obtain a first and second crystallization of very white Sulphate of Quinine mixed (as is usual when obtained from "red bark") with Sulphate of Chinchonidine, I have also obtained some Chinchonine.

2. This must be considered a very satisfactory and promising result, when the immature age of the bark is considered (viz., two years' growth), and especially when I add that the percentage product of alkaloid appears to me as great as would be met with in South America under the same circumstances.

3. I hope to be prepared shortly to give you more definite information on this point, as well as on others of moment connected with the investigations I am pursuing.

(True Copy.)

(Signed) W. G. McIVOR,

Superintendent Government Chinchona Plantations.

No. 404. ORDER THEREON, 21st July 1863, No. 1,351.

1. The Government have perused Mr. Howard's letter with much gratification.

2. With reference to paragraph 2 of this letter the Government permit Mr. McIvor to exercise his discretion in following the new system of planting therein proposed. As, however, the demand for plants is extending, it seems worthy of consideration whether the Government should still continue to plant so largely, and whether 50 Acres per annum will not be enough instead of 150, in which case Mr. McIvor might direct his attention to the multiplication of plants for distribution and sale. Mr. McIvor will be requested to report on this point.

(Signed) J. D. SIM,

Secretary to Government.

7/15
I have the honor to be
Sir,

Yours most obedt servant

Wm. H. P.
Superintendent E. C. P.
No. 1357-

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Howard's letter with much gratification

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Govt. St. George
21st July/63

Superintendent
Plantations

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I should allow it to be done by ~~the~~ ^{his} ~~discretion~~ ^{discretion} in such matters - as however it would seem from the letter enclosed that his demand for plants is extraordinary & is worthy of consideration. I think the Gov should still continue to pay liberally & perhaps 50 acres per acre as we do with enough instead of 100 - in such cases it will soon make direct his attention to the multiplication of plants for distribution & sale

(Wm)

Copy in a letter to Cunningham
of 12th August of 1863

Rev. Dr. A. A. Phelps
New York, N. Y. 1855

From Subjects of Charming
Plains October 1892
 at 27 July / 1892

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