M.R.O. 1—77,005—8-6-37.

(1) Number of pages 12

(2) Date of repair 15-6-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 955 Press / Mis.

Dated 8.9. 1873.

Not to be folded or roughly handled

Read the following papers :—

No. 45. From J. BROUGHTON, Esq., Government Quinologist, to the Hon. R. A. DALYELL, Acting Secretary to Government, Revenue Department, dated Ootacamund, 9th August 1873 :—

I HAVE the honour to append analyses of the several samples of Cinchona bark, now being sent to England, according to the list of specified kinds furnished me by the Commissioner of the Nilgiris. The analyses are given in the following table, and are expressed in percentages of quite dry bark :—

—	Mossed red Bark, Neddivuttum.	Renewed red Bark, Neddivuttum.	Grey Bark.	Red Bark, Neddivuttum.	Red Bark, Pykara.	Branch red Bark.	Crown Bark, Neddivuttum.	Crown Bark, Pykara.	Mossed Crown Bark, Dodabetta.	Crown Bark, Dodabetta.	Branch Crown Bark.
Total alkaloids...	6·20	* 5·82	2·75	† 4·45	5·11	3·58	‡ 4·32	§ 3·42	‖ 6·60	¶ 3·61	0·91
Quinine and quinicine	1·14	3·25	...	1·31	0·97	1·33	3·08	2·32	3·89	2 07	...
Cinchonidine and Cinchonine ...	5·06	2·57	2·75	3·14	4·14	2·25	1·24	1·10	2·71	1·54	...
Pure sulphate of quinine obtained crystallized.	0·74	2·62	...	0·74	0·62	0·81	3·11	2·39	3·86	2·04	...
Pure sulphate of Cinchonidine obtained crystallized... ...	3·47	0·88	1·00	1·61	2·22	1·14	0·85	0·67	1·00	0·99	...

* Mean of three analyses.
† Mean of two analyses.
‡ Mean of two analyses.
§ Do. do.
‖ Mean of two analyses.
¶ Do. do.

2. Certain branch crown bark has been sent contrary to my advice given under the belief that, even if it sell for a good price, its quality will ultimately prejudice the reputation that Madras Cinchona bark should seek to obtain in the market.

FORWARDED to the Commissioner, Nilgiri Hills, for his observations.

OOTACAMUND,
9th August 1873.

(Signed) R. A. DALYELL,
Acting Secretary to Government.

No. 46. From J. R. COCKERELL, Esq., Commissioner of the Nilgiris, to the Hon. R. A. DALYELL, Acting Secretary to Government, Revenue Department, dated Ootacamund, 12th August 1873, No. 36.

I HAVE the honour to acknowledge the receipt of a letter, in original, to your address from the Government Quinologist, dated 9th instant, forwarded for my observations.

2. The letter contains Mr. Broughton's analysis of samples from 23,000 lbs. of Cinchona bark recently despatched to England for sale. With regard to this analysis, I have no remark to offer at present.

3. In paragraph 2 of the letter Mr. Broughton states : "Certain branch bark has been sent contrary to my advice given under the belief that, even if it sells for a good price, its quality will ultimately prejudice the reputation that Madras Cinchona bark should seek to obtain in the market." Upon this point, I beg to quote paragraph 4 of a despatch from the Secretary of State, printed in G. O., Revenue Department, 11th July 1870, No. 1,022: "The plantations will require thinning from time to time, and strict injunctions should be given that no bark, not even that of the smallest twigs, should be wasted." The branch bark referred to by Mr. Broughton was bark rejected by that gentleman in the last official year as unfit for the use of the factory at Neddivuttum. Mr. Broughton refers to this bark in paragraph 2 of his letter in G. O., 9th July 1873, Revenue Department, No. 714. The alternative was either to throw the bark away or to send it to England.

4. Irrespective of the instructions of the Secretary of State quoted above, it appeared to me proper that trunk and branch bark should be sent to England indiscriminately, because only by the consignments containing indifferent as well as superior parcels could there be a possibility of learning the average price of bark. Mr. Broughton appears to be of opinion that the main object is to obtain a good name for Nilgiri bark. I apprehend, on the contrary, that the object is to learn the price of all description of bark, for the sufficient reason that the production of bark is undertaken by Government in part to pioneer for commerce and private parties growing Cinchona, obviously must send home their bad as well as their good bark, and want to ascertain the price of both qualities as soon as possible by means of Government sales.

5. The Government will observe that Mr. Broughton seems to think it possible the branch bark will fetch a fair price.

No. 47. ORDER THEREON, 8th September 1873, No. 955.

Miscellaneous.

MR. BROUGHTON'S letter will be forwarded for the information of His Grace the Secretary of State, in continuation of this Government's despatch, dated 12th September 1873, No. 24, Mis.

2. The Governor in Council concurs with the Commissioner in deeming it proper that the bark from the branches should be shipped to the home market; but Mr. Broughton's remarks will be specially brought to the notice of His Grace the Secretary of State.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Commissioner of the Nilgiris.
,, J. Broughton, Esq.

Exd. F. R. Bantleman.

Ootacamund 1
Read the following paper:— 9th August 1873

3045 From,

M. J. Broughton
Government Cinchologist

To, The Honble R. A. Dalyell
Secretary to Government
Revenue Department
Ootacamund

Sir, I have the honour to append analyses of the several samples of Cinchona bark now being sent to England, according to the list of specified kinds furnished me by the Commissioner of the Nilgiris. The analyses are given in the following table, and are expressed in per centages of quite dry bark.

	Mossul Red Bark Heddiehatten	Mossul Red Bark Heddiehatten	Grey Bark	Red Bark Heddiehatten	Red Bark Upfarm	Banned Red Bark	Crown Bark Heddiehatten	Crown Bark Upfarm	Mossul Crown Bark Heddiehatten	Crown Bark Heddiehatten	Branch Crown Bark
		†		†			§	P	‖	†	
Total alkaloids	6.7	5.82	2.75	4.45	5.11	3.58	4.32	3.42	6.60	3.61	0.91
Quinine & Cinchonidine	1.14	3.25	0	1.31	0.97	1.33	3.08	2.32	3.89	2.07	- - -
Cinchonine	5.06	2.57	2.75	3.14	4.14	2.25	1.24	1.10	2.71	1.54	- - -
Pure Sulphate of Quinine obtained by fractl. crystn.	0.74	2.62	0	0.74	0.62	0.81	3.11	2.39	3.86	2.04	- - -
Pure Sulphate of Cinchonidine obtained by crystn.	3.47	0.88	1.00	1.61	2.22	1.14	0.85	0.67	1.00	0.99	- - -

† Mean of three analyses. † Mean of two analyses.
§ Mean of two analyses. P Mean of two analyses
‖ Mean of two analyses. † Mean of two analyses.

Govt. of Madras.

REVENUE.

To

THE COMMISSIONER OF THE NILGIRIS,

&c., &c., &c.

Dated September 8th

Read.

G. O., 8th September 1873. No. 935.

SEPTEMBER.

Nos. 45—47.

Cinchona Bark sent to England.—Resolving to forward to the Secretary of State Mr. Broughton's analysis of — Concurring with the Commissioner of the Nilgiris in deeming it proper that the bark from the branches should be shipped to the home market.

2. Certain Branch Crown bark has been sent contrary to my advice, given under the belief that even if it sells for a good price, its quality will ultimately prejudice the reputation that Madras Cinchona Bark should seek to obtain in the market.

I have the honour to be,
Sir,
Your most Obd. Servant

John Broughton.
Govt. Quinologist

Commissioner's Office
Ootacamund 12th August 1873

No 336
Copy forwarded

N. R. Cockerell Esquire
Commissioner
Nilgiris

Sir,

I am Directed by the Government
Revenue Department
to acknowledge

Sir,

I have the honor to acknowledge the receipt of the letter (in original) of your address from the Government Quinologist dated 9th Instant forwarding a Report.

2. The Letter & Report have been submitted to the Government of India for orders.

I have the honor to be
Sir
Your most obedient Servant
(Signed) R. Cockburn
Secretary to Government

Revenue 1873 Dept
From — No 2392
The Govt Quinologist
Ootacamund

To, The Secretary to Govt
Revenue Department
Ootacamund

Dated 9th August 1873
Recd 9th "

Enclosures none

Analyses of Cinchona Bark sent to England.

Forwarded

R 24th/73

Forwarded to the Govt Quinologist, Neilgherry Hills, for his observations

(Signed) J. Dalyell
Ag. Secretary to Govt

Ootacamund
9th Augt 1873.

No 45-47

that no bark not even that of the smallest twigs should be wasted." The branch bark referred to by Mr Broughton was bark rejected by that gentleman in the last official year as unfit for the use of the factory at Peddiewittum. Mr Broughton refers to this bark in Para 2 of his letter in Government Order 9th July 1873, Revenue department No 14. The alternative was either to throw the bark away or to send it to England.

4. Irrespective of the instructions of the Secretary of State quoted above, it appeared to me proper that trunk and branch bark should be sent to England indiscriminately because only by the consignments containing indifferent as well as superior parcels, could there be a possibility of learning the average price of bark. Mr Broughton appears to be of opinion that the main object is to obtain a good name for Nilgiri Bark. I apprehend on the contrary that the object is to learn the price of all description of bark for the sufficient reason that the production of bark is undertaken by Government in part to pioneer for commerce and private parties growing cinchona; obviously must send Home their bad as well as their good Bark and want to ascertain the price of both qualities as soon as possible by means of Government Sales.

5. The Government will observe that Mr Broughton seems to think it possible the branch bark will fetch a fair price.

I have the honor &c
Sir
Your most obedient Servt

E. Collett
Commissioner.

No. 955

1. Mr Broughton's letter will be forwarded for the inform.n of His Grace the Secretary of State in continuation of this Govts despatch dated 12 Septr 1873 No. 24 Mis.

2. The Govr in Council concurs with the Comr in deeming it proper that the bark from the branches should be shipped to the Home Market, but Mr Broughton's remarks will be specially brought to the notice of His Grace the Sec of State.

8 Septr 73

Revenue 1873 3 Septr
No. 2444
From The Commissioner Nilgiris
To The Secretary to Govt Revenue Dept Ootacamund
Dated 18th August 1873
Received 13th [illegible]
Enclosure 1
Despatch
Cinchona
Forwards Mr Broughton's original letter containing analysis of samples of cinchona bark recently sent to England for sale, with observations thereon.

White Order

c.e.q. Aug 24/73 K.L. Sept.