

(1) Number of pages 10.

(2) Date of repair 14. 6. 38.

(3) Initials of the Referencer Fr

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 816

Press
Mis.

Dated 8. 8. 1873.

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department.
8th August 1873.

No. 37. Read the following letter from J. BROUGHTON, Esq., Government Quinologist, to the Hon. R. A. DALYELL, Acting Secretary to Government, Revenue Department, dated Ootacamund, 4th August 1873:—

IN compliance with G. O., No. 698, of July 7th, 1873, I have the honour to report concerning the specimens of bark received from British Burmah.

2. The specimens were three in number, and were respectively labelled, 1st, "bark from Upper Plantation, Plummato;" 2nd, "bark from Lower Plantation, Plummato;" 3rd, "bark from one of the two trees at Bogalay." Of the age or part of the trees producing these specimens I am ignorant, but imagine the age to be about 5 years. The bark, which was that of *C. Succirubra*, had a thin and bad appearance, and gave me the impression of being grown at too low an elevation. Submitted to analysis they yielded the following percentages of alkaloids in 100 parts of quite dry bark:—

	Upper Plantation, Plummato.	Lower Plantation, Plummato.	One of the two Trees at Bogalay.
Total alkaloids	4.29	4.23	3.13
Quinine and quinicine	0.32	1.18	0.98
Cinchonine and Cinchonidine	3.97	3.05	2.15
Pure quinine sulphate obtained crystallized	0.27	0.49	0.56
„ Cinchonidine sulphate	1.75	1.05	0.73

3. The barks thus contained a satisfactory amount of alkaloid, but practically yield scarcely any quinine sulphate. From this circumstance and their bad appearance, they give little hope of fitness for export. For local employment as a febrifuge they are quite suitable. This opinion is, of course, based on the assumption that the specimens are fair samples of the bark produced by the trees.

No. 38. ORDER THEREON, 8th August 1873, No. 816.

Miscellaneous.

ORDERED that a copy of Mr. Broughton's report be submitted to the Chief Commissioner, British Burmah, in reply to his letter, No. 1,737-78F, dated 20th June 1873.

(True Extract.)

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

To J. Broughton, Esq.

Exd. F. R. Bantleman.

Cotacamund 3
4th August 1873.

From, Mr. J. Broughton
Government Quinologist
To, The Honble R. A. Dalryell
Secretary to Government
Revenue Department
Cotacamund

Sir,
In compliance with G.O. N^o 698
of July 7th 1873, I have the honour to
report concerning the specimens of
bark received from British Borneo.

The specimens were three in
number and were respectively labelled
1st "Bark from upper plantation plummato."
2nd "Bark from lower plantation
plummato." 3rd "Bark from one of the
trees at Bogalay." Of the age or part
of the trees producing these specimens
I am ignorant, but imagine the age
to be about 5 years. The bark which
was that of C. Succirubra, had a thin
and bad appearance and gave me
the impression of being grown at too
low an elevation. Submitted to ana-
lysis they yielded the following per-
centages

Dist. of 1873

REVENUE.

To
J. BROUGHTON, Esq.

Dated August 8th.

Recd.

G. O., 8th August 1873, No. 816.

AUGUST.

Nos. 37-33.

Cinchona Bark from British Borneo
— Ordering the transmission of Mr. Broughton
report on the analysis of — to the Chief Commis-
sioner.

traces of alkaloids in 100 parts of
quite dry bark.

	Upper Plantation Plummato	Lower Plantation Plummato	One of the two trees at Bogalay
Total alkaloids	4.29	4.23	3.13
Quinine and Quinicine	0.32	1.18	0.98
Cinchonine and Cinchonidine	3.97	3.05	2.15
Pure quinine sulphate obtained crystallized }	0.27	0.49	0.56
" Cinchonidine sulphate " }	1.75	1.05	0.73

The barks thus contained a satisfactory amount of alkaloid, but practically ~~yielded scarcely any quinine sulphate~~. From this circumstance and their bad appearance they give little hope of fitness for export. For local employment as a febrifuge they are quite suitable. This opinion is of course based on the assumption that the specimens are fair samples of the bark produced by the trees.

I have the honour to be,
Sir,
Your most obed. Serv^t

John Broughton
Gov. Zoologist

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 8th August 1873

Read the following

Letter from
the Government Zoologist
Colacannam

Submitting report on
specimens of Cinchona bark
received from British Bannah
A.R. 4 August 1873.

Ordered that a copy
of Mr Broughton's report
be submitted to the Chief
Commissioner, British
Bannah, in reply to his
letter No. 1737-787 dated
20th June 1873.

Mr J Broughton
Sept 14/8

List

A

110 2/25

127 July 1873 No 53-54

Recd 1873 14th
From J. 2329

The Govt Zoologist
Colacannam

To The Secretary to Govt
Revenue Department
Colacannam

Dated 4th August 1873

Profr

Enclosures none

Cinchona bark. Report
on specimens received
from British Bannah.
No. 54-55/73 No 516

No. 37-38

L.C.
Report on British
Chickens.

Ms. 37-38

Dec