

(1) Number of pages 6

(2) Date of repair 15.6.38

(3) Initials of the Referencer 4

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 552 Revenue

Press
Mis.

Dated 4th April 1872.

Not to be folded or roughly handled

4-1-4

G.O.

Regarding S. ...
Alkany ...

Copy ...

M. S. Copy ...
2 April 1872

D

Proceedings of the Madras Government, Revenue Department,
4th April 1872.

No. 30. Read the following letter from the Government Quinologist, Ootacamund, to the Officiating Chief Secretary to Government, Fort St. George, dated Ootacamund, 25th March 1872:—

IN accordance with G. O. No. 481 of 19th March 1872, I have the honour to report on an examination of a specimen of the bark of *Cinchona Succirubra* sent to me from Mahableshwar.

2. The bark is of a tree $5\frac{1}{2}$ years old. For that age the bark was thin, and seemed from its appearance to be taken from an unhealthy tree. The corky layer by scaling off had given this bark an unusual appearance, and hence it is possible I may be mistaken as to the unhealthiness of the plant producing it. The outward aspect, however, was not good.

3. The dried bark yielded in percentages—

Total alkaloids	...	...	...	...	...	...	...	...	6.52
Quinine	...	...	...	...	...	...	...	...	1.00
Cinchonine and Cinchonidine	...	...	...	...	...	...	...	...	5.52
Pure crystallized sulphate quinine obtained	...	...	...	...	...	...	...	...	0.53
Sulphate cinchonidine obtained crystallized	...	...	...	...	...	...	...	...	2.30

In total yield of alkaloids the bark, like that of nearly all Indian grown bark, is good. The amount of sulphate of quinine obtainable shows that as a source of the salt this bark has no excellence the amount obtained being ~~only 1.00~~, unlike that I received on a former occasion from Mahableshwar, contains no quinine. The sulphate of cinchonidine is also yielded by this bark in comparatively small amount, the greater part of the alkaloid being cinchonine, of which alkaloid the yield is nearly 3.5 per cent.

No. 31.

ORDER THEREON, 4th April 1872, No. 552.

Miscellaneous.

ORDERED to be forwarded to the Government of Bombay.

(True Extract.)

(Signed)

W. HUDLESTON,
Officiating Chief Secretary.

To the Government Quinologist.

Exd. F. R. Bantleman.

in percentages

Calcutta
25th March 1872.

From, Mr. J. Broughton
Government Quinologist
Calcutta

To, The Honble W. Huddleston
Off^{ce} Chief Secretary to Govt.
Fort Saint George

Sir,
In accordance with G. O. N^o 45
of 19th March 1872. I have the honor to
report an examination of a specimen
of the bark of Cinchona succirubra
sent to me from Mahabliroo.

2. The bark is of a tree 5½ years
old. For that age the bark was thin,
and seemed from its appearance to be
taken from an unhealthy tree. The
corky layer by scaling off had given
this bark an unusual appearance, and
hence it is possible I may be mistaken
as to the unhealthiness of the plant pro-
ducing it. The outward aspect however
was not good.

3. The dried bark yielded
in percentages

Oct. of 1872 J. Broughton.

REVENUE.

To

THE GOVERNMENT QUINOLOGIST.

Dated April 4th.

Recd.

G. O., 4th April 1872, No. 552.

APRIL.

Nos. 30-31.

Cinchona bark from Mahabliroo.
Report from Mr. Broughton on the specimen sent
to him for analysis, ordered to be forwarded to
the Government of Bombay.

Total alkaloids	6.52
Quinine	1.00
Cinchonine & Cinchonidine	5.52
Pure crystallized sulphate quinine obtained	0.53
Sulphate Cinchonidine obtained crystallized	2.30

In total yield of alkaloids, the bark like that of nearly all Indian grown bark, is good. The amount of Sulphate of quinine obtainable shows that as a source of the salt this bark has no excellence, the amount obtained being very small. This bark unlike that I received on a former occasion from Mahabliwar contains no quinidine. The sulphate of cinchonidine is also yielded by this bark in comparatively small amount the greater part of the alkaloid being cinchonine, of which alkaloid the yield is nearly 3.5 per cent.

I have the honor to be,
Sir,

your most obed^t Serv^t
John Broughton
Gov^t Chemist

10 Crosby 172 No 234/36.

Revenue 1872 0146
Thom. 87-1061.

The Govt. Revenue
Department

3. The 1872 Revenue
to Government
of Madras

Letter 25th March 1872
Recd 27th

to

Chicken back from
Mababichur. Analy.
as of.

White 0882

Prosser-5040/172

1. J. M. J. Revenue Dept. 5040/172

45-042/72

Handwritten signature and text, including "Handwritten" and "45-042/72".

16 30-21