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(2) Date of repair

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MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.

399

Press
Mis.

Dated

21-1-1892.

Not to be folded or roughly handled

No. 1

248

DIRECTOR'S OFFICE,

OOTACAMUND, 13th January 1892.

From

M. A. LAWSON, Esq.,

GOVERNMENT BOTANIST AND DIRECTOR OF

GOVERNMENT CINCHONA PLANTATIONS, &c.,

Nilgiris.

To

*The Secretary to Government
Revenue Department
Fort St George*

SIR,

*With reference to the letter
from the Government of India, No. $\frac{2486}{128}$
dated the 3rd December 1891, referred
to me for early remarks, under G. O.
No. 6499 of 19th December 1891 - Revenue.
I have the honor to observe as follows:-*

*1. The large amount of bark
in stock consists chiefly of red
bark, which, when compared with
our Crown bark, is poor in quinine;
so that to obtain a large amount of
quinine, it will be necessary to use
a much larger quantity than would
be if it were Crown bark, in other
words, the amount of bark in stock
will*

will not go so far, as the number of pounds given in the Report might lead Government to suppose. Of the Crown bark remaining, there is ground up a sufficient quantity to last till the end of July next, and of unground bark, enough to last till the end of the year.

2 During the next Monsoon, it is proposed to take a large harvest of Crown, and Crown hybrid bark from the Adabetta and Nadiwalam Estates, but although 150,000 lbs have been put down in the Budget Estimate as the probable output, I shall be guided by what I shall find will be necessary for the Factory, and then after that, by what it is desirable to take from the trees. If possible I shall make the quantity less rather than more.

3 With reference to the second remark, made by the Government

L.H.

Government of India; that the manufacture has failed to keep pace with the increased demand, through inadequate machinery, I would point out that this is not quite the case, as will be seen from a perusal of the latter part of para IX, on page 5 of the Annual Report, in which it is stated:—"From the 29th 28th - 20th of Sulphate of quinine manufactured at the Factory during the year, the following indents were complied with:—

	lbs.	oz.
Madras Medical Stores —	20	0
Bombay — do —	400	0
Ceylon — do —	800	0
Mysore Government —	50	0
Scinde —	21	10
Paper packets and Minor Sales —	64	8
	1356	2

and there remained at the close of the year, 1572 lbs in stock, all of which and more has been already indented for by the various Indian Medical Departments — vide my letter No. 18 dated

dated

"dated 17 June 1891," so that at the close of the year, there were 1542 lbs of quinine and 1200 lbs of febrifuge left in stock

4 Since the beginning of the present Financial year, the results of the Factory have been more satisfactory. Up to the 31st December 1891, Indents were received which amounted to Rs 77,000 or Rs 1000 over the estimated year's expenditure; and after these Indents have all been completed with, there would be still left in stock, on the 31st December 1891, 1150 lbs of finished quinine and about 100 lbs of impounded febrifuge; and by the end of March next, I expect to make 1500 lbs more of quinine, besides say 1000 lbs of febrifuge, but this will mean working without intermission for the next three months.

The

5 The machinery at present erected is adequate to turn out the quinine and febrifuge, which is likely to be indented for; but as I pointed out in my report it is desirable to have certain portions of the machinery in duplicate, and I am preparing an Indent, which I shall shortly send in for the consideration of Government. Of chemicals, I have a sufficient quantity in stock to last for a long time to come, besides which, Indents have been sent in to meet the requirements of the following year.

6 With reference to para 3, I would point out that the price of three pices per powder was fixed when quinine was valued at Rs 17 per pound. It seems to me, however, that now that the quinine has fallen to Rs 14.11.3, it might be sold for 2 pices a powder, even if the Jalap powders are given in

in. Government, no doubt, would lose a little money over the transaction, though not much; and if it would induce the people to buy the drug for themselves, instead of always getting it for nothing, as they do now, from the Dispensaries, Government would eventually be considerable gainers.

7. I hope the Government of India are right in thinking that the native population have no reluctance to taking the drug; and that the small sale of the powder, hitherto, has been due solely to their high price.

8. I think the suggestion that the quinine and jalap should be sent in bulk to the different Dispensaries, and there be made up into powders, is a very good one, and would effect a very considerable saving in the matter of Carriage; and I would also further point

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point out, that I believe that in the course of another year, I shall be able to supply from the Government Gardens all the jalap that may be required, and most probably in powder, at a very low rate. With respect to the objection raised by the Government of India, to sending out purgative powders with the quinine, I think that the objection might be got over by colouring the quinine, as is done for the Bombay Government.

¹ Sent separately,
by Packet Post.

9. I enclose two packets of the combined powders, one of which might be sent to the Government of India for their inspection; and another to the Surgeon General, whose opinion on this latter point might be asked on the subject.

I have the honor to be
& Sir
Your Most Obedient Servant
M. A. Lawson
Govt. Botanist & Director

No. 19. 12 91 No 6499

REVENUE 1872 CINCHONA.

Current Number 465.

From

M. A. LAWSON, ESQ.,

GOVERNMENT BOTANIST AND DIRECTOR OF
GOVERNMENT CINCHONA PLANTATIONS;

Nilgiris.

To

The Secretary to Government
Revenue Department
Fort St George

Seiz

No. 1. & one packet.

Dated 13th

Despd. 13th

Reed. 15th

January 1872

399
21st Jan 1872
ENCLOSURE



SUBJECT.

Administration Report.
Replies to several
remarks made by the
Government of India on
the - of the Government
Cinchona Plantations
Nilgiris for 1870-71.

G.O. Misc. No. 399 of 21st Jan 1872

Referred to the

Surgeon General with the
Govt of Madras for remarks
with special reference to paras 8
and 9 of the letter read
above.

Que

18th Jan

21/1/72

25-1-72
To the Surgeon General with
the Govt of Madras (Chief
Pub. Dept) with 1 of
two packets in the enclosure
closed

25/1/72