(1) Number of pages 4

(2) Date of repair 8.7.88

(3) Initials of the Referencer CX

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No.	1877	Press ~~Mis.~~
Dated	13-9-	1879.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

13th September 1879, No. 1,877.

No. 201. READ THE FOLLOWING PAPER :—

From W. E. MULLALY, Esq., Coonoor, to R. W. BARLOW, Esq., Commissioner of the Nilgiris, dated Droog Estate, Coonoor, 25th August 1879.

ON Friday last, the 22nd instant, I forwarded to you by cooly a specimen of a Chinchona plant attacked by the black coffee bug (*Lecanium Nigrum*), and I have now the honor to send you the following particulars connected with the spread of this pest to the Chinchona.

The Droog Coffee Estate, on which the specimen Chinchona plant sent to you was growing, is, I believe I am correct in stating, the highest coffee estate in the World, the elevation ranging from 5,700 to 6,200 feet above sea-level. It was commenced in 1857, and up to the year 1870 the bug appeared only on isolated trees and was under control. In 1870 however it became serious, spreading over a considerable area, and year after year it continued to increase until, in 1877, nearly every tree was attacked over an area of about 100 acres.

From 1870 to 1877 the bug remained on the trees the whole year through, but in October of the latter year in the space of a few days it suddenly and entirely disappeared as mysteriously as it had come, the black fungus peeled off the leaves, branches and stems of the trees; and as seven years was generally supposed to be the limit of its stay in any one place, I was confidently hoping I had got rid of it, as careful examination showed there was not the least trace of the pest on the trees. The estate continued quite free until April 1878, when it again appeared covering thousands of trees in the course of a week. In October 1878 it once more left entirely and completely, only to reappear however in April and May 1879 as viciously as ever.

In 1878 I purchased a large number of Chinchona plants from the Government Plantations at Neddivattam: they were fine, healthy young plants, and I was very successful in transplanting them. In October and November 1878, *after* the bug had left the coffee, I planted out 7,000 Chinchona plants along the estate roads and in various parts of the estate, and in every instance wherever the coffee is attacked by the bug the Chinchona plants in the vicinity become attacked at one and the same time. I am within the mark when I say that of the 7,000 plants put out in October and November 1878 quite *five-thousand* of them are more or less attacked by the coffee bug; this is a very large percentage and seems to point to the fact that this pest will take kindly to the Chinchona. I have for this reason thought it my duty to bring it to the notice of the Government who are so largely interested in Chinchona.

I shall carefully watch the effect of this pest on the Chinchona plant, and I shall at all times be ready to place my observations at your disposal.

No. 221.

SUBMITTED for the information of Government together with the specimen tree attacked.

OOTACAMUND,
1st September 1879.

(Signed) R. W. BARLOW,
Commissioner.

No. 202. ORDER THEREON, 13th September 1879, No. 1,877.

Miscellaneous.

THE Commissioner will convey the thanks of Government to Mr. Mullaly for his interesting report and inform him that they will be glad to receive any further information bearing on the subject of his present report which he may hereafter be in a position to place at their disposal.

(True Extract.)

(Signed) J. H. GARSTIN,
Acting Secretary to Government.

To the Commissioner of the Nilgiris.
„ the Board of Revenue.
„ the Superintendent, Govt. Central Museum.

Exd. G. Freeman.

Govt. of {1879} Madras.

REVENUE.

To

THE COMMISSIONER OF THE
NILGIRIS,
&c., &c., &c.

Dated September 13th.

Printed 24th.

Recd. *Encl.*

G.O., 13th September 1879, No. 1,877.

SEPTEMBER.
Nos. 201-202.

Spread of the Black Coffee Bug among the Chinchona Plants at the Droog Estate.—Requesting the Commissioner of Nilgiris to convey the thanks of Government to Mr. E. Mullaly for his interesting report on the — and to inform him that they will be glad to receive further information on the subject.

of a boatload of sandstone and rubble
was observed on approximately the same
area. The Black Scorpion forced off the
lower branches and stems of the trees
and as a result was grounded. Upon
it's first launch of the day no damage
was sustained but after continuous
launching that day it was noted that
a hole had split the engine compartment
from Cinchona Island along the Salt
Pond and on various parts of the Pond
and on every occasion wherever the
Lights is attached by the Brig the
Cinchona Islands in the vicinity become
attached a fine and fine down trees.

Since mid May 1879 no ordinary event

In 1878 Storehouse a large number
of Cinchona planted from the Government
Plantations & Establishments, they were
twice treading grown Islands and Swan
very due light on Stonyhammer down
to Belle and November was taken the
day had left the engine disembarked on
from Cinchona Islands along the Salt
Pond and on various parts of the Pond
and on every occasion wherever the
Lights is attached by the Brig the
Cinchona Islands in the vicinity become
attached a fine and fine down trees.

I am within the mark when I say that
of the 5000 planted out in Bellevue and
November 1878 quite 5000 of them are
more or less attacked by the Lights Bug
this is a very large percentage and
seems to point to the fact that Insect
would take kindly to the Cinchona. Trees
for this reason stung at the very sight
of seeing it to the notice of the Government
who are to largely interested in Cinchona.

I shall carefully watch the effect of
this Insect on the Cinchona plant and
shall at all times be ready to render
any explanation that may be required

I have &c &c

Signed W. S. Goodlad

(Vice Consul)

No 221. Submitted for the information
of Government together with the specimen
therein attached

W. Wodehouse

Governor

Colonial Office
Downing Street
16th October 1879

Received

No. 2221 of 1877

Revenue (1879) Dept.
(B) No. 6616.
From The Collector of the
Nilgiris.

Dated 1st Sept. 1879
Recd 23 do
Rec. 15 Sept.
No. 2221

Submitting for the information of Govt. letter from Mr. W. E. Mullaly, Coonoor, giving particulars in connection with the spread of the black coffee bug among the Chinchona fields at the Doorg Estate.

Pro. No. 1877 – 13 September 1879

Recorded

Pro. No. 1877

17/9/79

13 September 1879