M.R.O. 1—77,000—9-6-37.

(1) Number of pages 28

(2) Date of repair 11-7-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Political DEPARTMENT.

G.O. No. 858 Press Mis.

Dated 23-7 1880.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

23rd July 1880, No. 858.

READ THE FOLLOWING PAPERS:—

No. 271. From N. A. ROUPELL, Esq., Acting Commissioner of the Nílgiris, to C. G. MASTER, Esq., Secretary to Government, Revenue Department, dated Ootacamund, 25th June 1880, No. 71.

I HAVE the honor to return herewith the enclosure to G.O., No. 682, of 16th instant, with the information required by the Government of India duly appended.

2. With reference to paragraph 2 of the India Government's letter, I have the honor to state that information as to the number of acres under cultivation of each variety of chinchona is not available, as—*vide* Appendix A (Naduvatam) to Major Campbell Walker's report—the different varieties are intermixed and not in separate blocks. The number of plants of each variety in permanent plantation is given in Statement I, recorded in G.O., 8th November 1879, No. 2,171. No extension was made during 1879-80. Information regarding private cultivation, so far as received, is recorded in G.O., 1st April 1880, No. 386.

No. I.

CHINCHONA CULTIVATION.

STATEMENT showing the Progress made in the Cultivation of Chinchona in the Government Plantations on the Nilgiris in each of the years 1874-75 to 1879-80.

Botanical Names.	NILGIRI PLANTATIONS. Number of Plants raised during the year ending 31st March. 1875.	1876.	1877.	1878.	1879.	1880.	Total.	Number of Acres under Cultivation on the 31st March 1880.
C. Succirubra	27,776	130,900	14,200	187,350	604,855	300,700	1,615,781	ACRES.
C. Officinalis						350,000		
C. Calisaya, var. ledgeriana.	..	..	..	..	1,276	5,500	6,776	
,, other varieties.	..	..	..	..	..	6,600	6,600	
C. Micrantha	..	..	..	..	..	1,000	1,000	847
C. Pubescens	2,500	12,000	6,468	..	..	4,100	25,068	
C. Pitayensis	1,140	..	..	2,806	..	5,500	9,446	
C. Lanceolata	8,400	..	21,540	12,070	8,320	38,000	88,330	
Hybrids and others	1,500	..	..	..	..	5,000	6,500	
Total ..	41,316	142,900	42,208	202,226	614,451	716,400	1,759,501	847

No. II.

CHINCHONA CULTIVATION.

STATEMENT showing the Outturn and Disposal of Chinchona Bark at the Government Plantations on the Nilgiris during each of the Official Years 1874-75 to 1879-80.

—	NILGIRI PLANTATIONS. 1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.
	LB.	LB.	LB.	LB.	LB.	LB.
Balance in store on 1st April	..	..	..	13,681	527	4,635
Outturn of Bark collected during the year	57,250	65,170	103,341	138,808	114,320	179,299
Total ..	57,250	65,170	103,341	152,489	114,847	183,934
Export for sale in England	28,660	63,570	88,708	146,632	105,101	173,539
Issued to Quinologist for manufacture of febrifuge	28,590	..	..	..	..	..
Issued to Madras Medical Department	..	..	..	4,330	3,511	2,000
Issued to Bombay Medical Department	..	1,600	952	1,000	1,500	2,000
Issued to Calcutta Medical Department	..	..	..	..	100	* 20
Total ..	57,250	65,170	89,660	151,962	110,212	177,559
Balance in store on 31st March ..	..	..	13,681	527	4,635	6,375

* Sold to a Chemist.

4 3

REVENUE DEPARTMENT,
OOTACAMUND,
23rd July 1880.

No. 274.

No. 859.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
DEPARTMENT OF FINANCE AND COMMERCE (Statistics),
Calcutta.

Miscellaneous.

SIR,—I am directed to return duly filled in for 1879-80, as far as the Government plantations are concerned, the tables relating to Chinchona cultivation received with the letter marginally noted, and also a statement showing the number of plants "in permanent plantation" on the 31st March last.

From Finance and Commerce (Statistics), dated 3rd June 1880, No. 155-C.

The large decrease in the number of red barks is due to certain unhealthy plots having been uprooted in order that crown bark trees which are suited to the locality may be substituted.

2. With reference to paragraph 2 of the letter under reply in which "information as to the number of acres under cultivation of each species" is asked for, I am to state that this cannot be supplied, as on some parts of the plantations different kinds are intermixed.

3. Information as to private Chinchona plantations for 1879-80 has not yet been obtained.

4. Endeavour will be made to render the returns for the Government plantations more complete in future.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) C. G. MASTER,
Secretary to Government.

Esd. W. H. French.

30 Copies.

Finance (1880) Department.

Government of Fort St. George.

Dated 23*rd July* 1880. — *No.* 859.
Enclosures.
Received. — 8 *Spare Copies.*

D. No. — Progs.

L. No. — No. 274.

Relying, with certain remarks, to Government of India letter, dated 3rd June 1880, No. 155-C, relating to Chinchona cultivation, and furnishing certain information.

No. III.

CHINCHONA CULTIVATION.

Statement showing the Expenditure, Produce, and Receipts at the Government Chinchona Plantations on the Nilgiris for the Official Years 1874-75 to 1879-80.

		Nilgiri Plantations.					
		1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.
Total expenditure	Rs.	36,723	49,210	59,630	69,771	73,682	80,833
Produce in Bark	Lb.	57,250	65,170	103,341	138,808	114,320	179,299
Rate per lb. realized by sale ..	Rs.	..	1-8-0	1-10-8	3-13-5	2-9-5	3-0-0
Receipts by sales in England ..	Rs.	..	51,520	1,05,974	3,41,272	3,79,789	3,21,963
Miscellaneous local receipts ..	Rs.	514	2,913	4,483	17,479	20,564	18,596
Total ..	Rs.	514	54,433	1,10,457	3,58,751	4,00,353	3,40,559

No. 272. From N. A. ROUPELL, Esq., Acting Commissioner of the Nilgiris, to C. G. MASTER, Esq., Secretary to Government, Revenue Department, dated Ootacamund, 19th July 1880, No. 84.

With reference to your Under Secretary's memorandum, No. 201, dated 10th instant, I have the honor to state that *Chinchona succirubra* trees on plots 5, 6, 8, 9 and 12 of the Hooker plantation have been uprooted, but the replanting with *Chinchona officinalis* is only now in progress. I enclose a revised statement of the number of plants in permanent plantation after deducting the number uprooted, which, according to Major Campbell Walker's report, amounted to 28,259.

Enclosure No. 1.

Statement showing the Progress made in Cultivation of Chinchona in the Government Plantations on the Nilgiris, up to the 31st March 1880.

Botanical Names.	Number of Acres under Cultivation on 31st March 1880.	Number of Plants on 31st March.					
		In permanent Plantation.	Stock Plants for Propagation.	Seedlings on rooted Cuttings in Nursery beds for permanent Plantations.	Rooted Plants in cutting Beds.	Unrooted Cuttings.	Total Number of Plants, Cuttings and Seedlings.
C. Succirubra	847·47	232,578	..	..	..	..	..
C. Calisaya		552	..	..	..	..	..
C. Do. var. Grutex ..			..	..	..	..	..
C. Do. var. Veru ..		1,874	..	..	..	..	..
C. Micrantha			..	..	..	..	..
C. Officinalis		305,432	..	..	..	..	..
C. Do. var. Condaminia ..			..	..	..	..	..
C. Do. var. Bonplandiana.		336	..	..	..	..	..
Other species.	..	..	..	..	..	..	540,772
Total ..	847·47	540,772	..	..	..	..	

(True Copy.)

(Signed) N. A. ROUPELL,
Acting Commissioner.

Ootacamund,
19th July 1880.

No. 273. ORDER THEREON, 23rd July 1880, No. 858.

Miscellaneous.

THE statements received with the foregoing letters will now be forwarded to the Government of India, but care must be taken to render these returns more accurate and complete in future.

2. A deduction has now been made on account of the *C. succirubra* trees uprooted under the sanction accorded in G.O., 11th August 1879, No. 1,680, but otherwise the number of plants "in permanent plantation" is returned in accordance with that found by Major C. Walker on his enumeration in 1878.

It is extremely improbable that there have been no casualties since that date —especially in connection with the coppicing experiments of last year— though many vacancies have no doubt* been filled up.

* Para. 4 of Administration Report 1878-79 in G.O., 12th September 1879, No. 1,862-A.

A record of failures and supplies must be opened and carefully maintained.

3. The columns relating to the propagation of plants by cuttings are again blank, but from the last annual report† it is clear that plants are raised in the Dodabetta propagating houses, and probably also in that at Naduvatam, from cuttings of the *C. calisaya* var. *Ledgeriana*, and other varieties.

† Paragraph 5 in G.O., 12th September 1879, No. 1,862-A.

A statement of these for the year ending 31st March last should, if possible, be submitted, and a careful account must be kept of these operations during the current and future years.

4. Every endeavour must be made to obtain and forward at an early date the information required for private plantations for the year 1879-80.

(True Extract.)

(Signed) C. G. MASTER,
Secretary to Government.

To the Commissioner of Nilgiris.

Exd. W. H. French.

30 Copies.
30 „

Original

Govt. of [1880] Madras.

REVENUE.

To

THE COMMISSIONER OF NILGIRIS.

Dated July 23rd.

Printed August 6th.

Read.

G.O., 23rd July 1880, No. 858. 857

JULY.

Nos. 271—273.

Chinchona Cultivation Returns.—Directing, with remarks, that the — received be now forwarded to the Government of India, but care being taken to render these returns more accurate and complete in future, and that a record of failures and supplies be opened and carefully maintained; directing also that a statement relating to the propagation of plants by cuttings, if possible, be submitted for the year ending 31st March last, and careful account be kept of these operations during the current and future years.

No. II

Chinchona Cultivation.

Statement shewing the Outturn and Disposal of Chinchona Bark at the Government Plantations on the Nilgiris during each of the official years 1874-75 to 1879-80.

Nilgiri Plantations

	1874-75	1875-76	1876-77	1877-78	1878-79	1879-80.
Balance in store on 1st Oct. lbs.	"	"	"	13,681	524	4,635
Outturn of Bark collected during the year. "	54,250	65,170	103,341	138,808	114,320	179,299
Total "	54,250	65,170	103,341	152,489	114,844	183,934
Issued for sale in England lbs.	28,660	63,570	88,708	146,632	105,101	173,539
Exported for sale in England "	28,590	"	"	"	"	"
Issued to Quinologist for manufacture of Febrifuge "	"	"	"	4,330	3,511	2,000
" Madras Medical Department "	"	1,600	952	1,000	1,503	2,000
" Bombay "	"	"	"	"	100	* 20
" Calcutta "	"	"	"	"	"	"
Total "	54,250	65,170	89,660	151,962	110,212	177,559
Balance in store on 31st March "	"	"	13,681	524	4,635	6,375

* Sold to a Chemist

No. III

Chinchona Cultivation.

Statement shewing the Expenditure, Produce, and Receipts at the Government Chinchona Plantations on the Nilgiris for the official years 1874-75 to 1879-80.

Nilgiri Plantations

		1874-75	1875-76	1876-77	1877-78	1878-79	1879-80.
Total expenditure	Rs.	30,723	49,210	59,630	69,771	73,682	80,833
Total expenditure	lbs.	54,250	65,170	103,341	138,808	114,320	179,299
Produce in Bark	Rs.	—	1-8-0	1-10-8	3-13-5	2-9-5	3-4-—
Sale per lb realized by sale	Rs.	"	51,520	105,914	341,272	3,19,789	3,21,963
Receipts by sales in England	Rs.	514	2,913	4,483	17,479	20,564	18,596
Miscellaneous local receipts	Rs.	514	54,433	1,10,454	3,58,751	4,00,353	3,40,559
Total	Rs.						

Statement showing the progress made in Cultivation of Chinchona in the Government Plantations on the Nilgiris upto the 31 March 1880.

Botanical Names	Number of acres under Cultivation on 31 March 1880.	Number of Plants on 31 March. In permanent plantations	Stock plants for propagation	Seedlings or rooted cuttings in nursery beds for permanent plantations	Rooted plants in cutting beds	Unrooted cuttings	Total number of plants, cuttings and seedlings
C. Succirubra	847.47	232,576.	— "	"	"	"	
C. Calisaya			"	"	"	"	
C. — do — var Gnuley		552	"	"	"	"	
C — do — var Veru			"	"	"	"	
C. Micrantha		1874	"	"	"	"	
C. Officinalis			"	"	"	"	
C. — do — var Condaminia		305,432.	"	"	"	"	
C. — do — var Boplandiana			"	"	"	"	
Other Species.		336.	"	"	"	"	
Total.	847.47	540,772.	"	"	"	"	540,772.

Ootacamund
19 July 1880

/True copy/

(Sd) R. A. Rowpell
ag. Commissioner

PRINT

Mem 3577/80

COMMISSIONER'S OFFICE,

Ootacamund, 19 July 1880.

No. 84

FROM A. A. Roupell Esquire
Ag. COMMISSIONER, NILGIRIS.

TO The Secretary to Government
Revenue Department
Ootacamund

SIR,

With reference to your Under Secretary's Memo No 201 dated 10 Instant I have the honor to state that Chinchona Succirubra trees on Plots 5, 6, 8, 9 and 12 of the Booden Plantation have been uprooted, but the replanting with Chinchona Officinalis is only now in progress. I enclose a revised statement of the number of plants in permanent plantation after deducting the number uprooted which according to Major Campbell Walker's Report amounted to 28.259.

I have the honor to be
Sir
your most obt. Servant

A. A. Roupell
Ag. Commissioner

PRINT

Rec. 4 Aug 1880

COMMISSIONER'S OFFICE,
Ootacamund, ... June ... 1880.

No. 74

FROM

N. E. Rouselle Esquire
Offg. COMMISSIONER, NILGIRIS.

To

The Secretary to Government
Revenue Department
Ootacamund

SIR,

I have the honor to return herewith
the enclosure to G. O. No. 632 of 16. dated
with the information required by the
Government of India duly appended
2. With reference to para 2 of the
Indian Government's letter I have
honor to state that information as
to the number of acres under ac-
tive tea cultivation of Chinchona
is not available, as — beds afforested
(Reddivattam) & Upper Camptallee (
Walker's Report — the different families
are intermixed and not in separate
blocks. The number of plants of each
variety are ascertained by Plant Returns
is given in Statement I. herewith

Revenue 1880. Dept
No. 84. No 4380.
Date— 19 July 1880
Rec'd 20 —
COMMISSIONER'S OFFICE.
OOTACAMUND.

To

The Secretary to Govt
Revenue Dept
Ootacamund

Enclosures. One

SUBJECT.

Forwards a statement
showing the no of chin
plants in the permanent
plantations.

Back No 272

C21·7
H22·7

U.S.

in G. O 8th November 1879 No. 2171. No extension was made during 1879/80. Information regarding private Cultivation, so far as received is recorded in G. O 1st April 1880 No. 386.

I have the honor to be
Sir
Your most obt. Servant

Rm. J. Byrne
for Actg. Commissioner

R.C.

12

L.O. No 858.

C. No 3850
&
4380

Remitts. Correspondence Stores & Plant Shipped by S.S. Lennard 19 July 1880 from Melbourne

Colonial Secretary
Victoria.

Returned.

Re Halbrands
Received with
the foregoing letters
this memo. be
forwarded to
Govt. Printer for
care must be
taken to render
these returns more
accurate & complete
in future.
2. C. deduction
has now been
made on account
of the C. Inscriptions
fees imposed under
the Scale adopted

Rec'd 19 July 1880
- 1/- 47 - 80 -
- 80 - 100 - 100 -

No. 41 Registered 1880.

Date— 25th June 1880

Victoria Registered

COMMISSIONER'S OFFICE,
OOTACAMUND.

To

The Secretary to Govt
Revenue Department
Madras

Enclosures. one

SUBJECT.

Enclosing the enclosure
G.O. No. 682 of 15th ultimo
duly attended to with
respect to Engraved C.

Recd 26 June 1880

in f.o 11 Aug.t 79 & 1880
Ord- otherwise
the number of
plants "in perma:
:nent Plantation"
is returned in
accordance with
that found by
Major C. Walker
R. Eng.r Assistant
in 78. It is
satisfactory to find
that there have
been no casualties
since that date
— especially in
connection with
the existing
Superintendent of
last Year —
though many
vacancies have
no doubt been
filled up.

+para 4 of
Admr. Report 78 & 79
in f.o 12 dep.t & 79
d/o: 1882 A

C record of failures
& deaths must
be opened & carefully
maintained.

3. The Columns
relating to the
propagation of plants
by cuttings are
again blank but
from the Annual
Report it is clear
that cuttings
are raised also in
the Botanical
propagating
houses - & probably
also in that at
Neddivattum -
from cuttings
of the C. Edisaya
Var: Selfsiana
& other Varieties.
A Statement

+para 5th f.o 12 dep.t
79 & 1882 A

Partly filled in for 79/80,
to date,
as far as the Govt. Plantations are
concerned, the tables relating
to Cinchona
cultivation Reduced
with the letter
marginally
noted and also
a Statement
showing the
number of Plants
in permanent
"in permanent
plantation" on the
31st. March last.

The large decrease
in the number
of Red Barks is
due to certain
unhealthy plots
having been
uprooted in order
that Crown Bark
trees which are
limited to the

Wm. Ferrier Esqr
(Statistics) d: 3 Jan 80
No: 155-C

Plants for the
Year ending
31st. March next
if possible to be
transmitted and
a careful account
must be kept of
these operations
during the
current & future
years.

4 Every endeavour
must be made
to obtain & forward
at an early date the
information required
for private plantations
for the year 79/80.

No 85 G. Let
22.7.80.
Do for Phd.
Asstt. Secy. to the Govt. of Bengal
Dept. of Finance (Revenue & Statistics)
Sir I am directed Calcutta

could be substituted.

2. With reference to para 2 of the letter under reply in which "information as to the number of acres under cultivation of each species" is asked for I am to state that this cannot be supplied as on some part of the plantations different kinds are intermixed

3. Information for private Cinchona plantations for 79/80 has not been collected

obtained.

4 Endeavour will be made to render the returns for the plantations more complete in future.

Yrs

Rec'd copy with 2 statistical forms 29/7/80
8 printed copies desd 31/8.

23-7-80.

RECEIVED
26.7.80

Revenue Department
Pro: Genl: 8/43-27-80

21.7.
12227.

271-273 & 276.