M.R.O. 14—13,000—27-0-24.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 316	Press ~~Mis.~~
306. 307	
Dated 22—2—~~19~~ 1864	

Not to be folded or roughly handled

No. 306. Read the following:—

Report on the Number, Distribution and Condition of Chinchona plants on the Neilgherries, on the 31st January 1864.

Species.	Botanical names.	Commercial names.	No. of plants.	Value per lb. of Dry Bark in the London Market.	Remarks.
				s. d. *s. d.*	
1	C. Succirubra... ...	Red Bark	88,424	2 6 to 8 9	The number of plants permanently planted out remain as formerly, viz., 66,622.
2	C. Calisaya	Yellow Bark	1,766	2 10 to 7 0	
3	C. Officinalis Var Condaminea (C. Uritusinga)	Original Loxa Bark.	6,434	2 10 to 7 0	
4	Do. Var Bonplandiana (C. Chahuarguera)	Select Crown Bark...	1,68,518	2 10 to 7 0	
5	C. Crespilla	Fine Crown Bark ...	1,589	2 10 to 6 0	The increase by propagation during the month is 16,117 being 633 plants under the average results of the last six months, making the total number of plants at the end of the month 2,91,607.
6	C. Lancifolia	Pitayo Bark	6	1 8 to 2 10	
7	C. Nitida	Genuine Grey Bark.	8,406	1 8 to 2 9	
8	C. Species without name	Fine Grey Bark ...	2,745	1 8 to 2 10	
9	C. Micrantha	Grey Bark	10,145	1 8 to 2 9	
10	C. Peruviana	Finest Grey Bark ...	3,149	1 8 to 2 10	
11	C. Pahudiana	Unknown	425	Worthless.	
		Total number of plants...	2,91,607		

TABLE II.—Memorandum of the growth of eleven plants of C. Succirubra, planted on the 2nd Denison Plantation, at Neddivuttum, on the 30th August 1862.

No. of plants.	Height in inches when planted on the 30th August 1862.	Height in inches on the 31st December 1863.	Height in inches on the 31st January 1864.	Growth in inches during Jan. 1864.	By whom planted.
No. 1	23	93	94	1	His Excellency Sir William Denison.
„ 2	16½	86	86	0	
„ 3	19	81	82	1	
„ 4	15	86	87	1	
„ 5	27	99	102	3	
„ 6	20	74	74	0	
No. 7	20	90	91	1	J. W. Breeks, Esq.
„ 8	18	89	90	1	Dr. Sanderson.
„ 9	20	89	89	0	J. D. Sim, Esq.
„ 10	20	94	96	2	Lieutenant McLeod.
„ 11	18	87	87	0	P. Grant, Esq.
„ 12	0	21	28	7	Plant cut down for bark..

Table II exhibits the growth of eleven plants planted out by His Excellency the Governor and other gentlemen at Neddivuttum on the 30th August 1862. The average growth of these plants during the month is about 1 inch or $\frac{3}{11}$th inches below the growth of last month.

TABLE III.—Showing the height of twelve plants of C. Officinalis planted on the Dodabetta Plantations at Ootacamund on the 30th September 1863.

No. of plants.	Height in inches when planted on the 30th September 1863.	Height in inches on the 31st December 1863.	Height in inches on the 31st January 1864.	Growth in inches during January 1864.
No. 1	19	28	31½	3½
„ 2	14½	22	25	3
„ 3	28	41	44½	3½
„ 4	22	30	33	3
„ 5	21½	29	31½	2½
„ 6	28	38	40½	2½
„ 7	22½	29½	32½	3
„ 8	21½	32½	35	2½
„ 9	21½	32	35½	3½
„ 10	19½	29	32½	3½
„ 11	24	31	34½	3½
„ 12	24	30	32½	2½

TABLE IV.—Memorandum of Chinchona plants distributed.

Names.	Station.	No. of plants.
Mr. F. N. Maltby	Travancore ...	16
Dr. Junghun	Java	56
Mr. A. R. Lascelles	Ootacamund	12
Mr. M. Anderson	Jamaica	2
Dr. Wiehe	Bombay	10
Dr. T. Anderson	Calcutta	554
Dr. Jamieson	Saharanpore	107
Professor Lees	Calcutta	61
Rajah of	Travancore	521
Major Morgan	Ootacamund	216
Mr. E. T. Fitzgerald	Calcutta	261
Mr. J. W. Money	Do.	581
Dr. W. Bourne	Do.	420
Captain Cox	Wainad.	6
Mr. Hallock	Do.	2
Mr. T. Sheffield	Ootacamund	2
Dr. F. Day	Cochin	100
Mr. Brown	Tellicherry	12
Mr. J. Hall	Ootacamund	144
Mr. J. Knop	Do.	18
Captain Lees	Bengal	281
Mr. W. H. Rayne	Manantoddy	24
Reverend Sawyer...	Ootacamund	18
Mr. Friend	Do.	12
Mr. Hallock	Do.	1
Mr. Perie	Seegoor	12
Colonel Scott	Ootacamund	212
Mr. F. Berend	Cachar	275
Reverend J. Hunter	Coonoor	12
Mr. J. Mullaly	Do.	24
Mr. W. H. Stanes	Do.	12
Col. R. Cooper	Kotagherry	12
Mr. F. Cockburn	Do.	12
Colonel Woodfall	Coonoor	12
Mr. C. Anderson	Do.	24
Colonel Angelo	Ootacamund	12
Reverend E. Laseron	Do.	12
Captain R. N. Taylor	Coorg	96
Major W. Agnew	Assam	139
Mr. V. H. Levinge	Madura	12
Chief Commissioner	Nagpore	28
Mr. Fletcher	Ootacamund	24
Gool Mahomed	Do.	20

One of the two plants cut down on the 20th of March last, for the bark submitted to Mr. Howard for analysis has been injured by the frost, the tender points and young leaves being destroyed. This plant was placed on the highest and coldest point of the Neddivuttum Plantation (elevation 6,200 feet). The other plant planted at the lowest point of the plantation (elevation 4,900 feet) has made strong shoots of 28 inches in height, giving an average growth during the month of 7 inches or 5 inches above the average growth of last month.

The twelve plants of Chinchona Officinalis (a shrubby species) on the Dodabetta plantations gives an average growth of 3 inches during the month, or ½ inch above the growth of last month.

The number of plants issued to the public is 1,593, making the total number of plants distributed 9,125.

Proceedings of the Madras Government, Revenue Department, 22nd February 1864.

TABLE IV.—Memorandum of Chinchona plants distributed.—(Concluded.)

Names.	Station.	No. of plants.
General McCleverty	New Zealand	23
Mr. W. Robinson	Kotagherry	6
Mr. Crake	Wainad	12
Mr. H. R. Dawson	Seegoor	12
Captain Mann	Coorg	36
Mr. E. Roberts	Ootacamund	6
Mr. H. Rossall	Wainad	12
Reverend Wait	Coonoor	2
Mr. H. de Facien	Katarry	2,761
Collector of	Belgaum	28
Collector of	Honore	28
Dr. Ross	Do.	15
His Excellency the Governor of	Bombay	158
Mr. A. Hinde	Wainad	12
Mr. E. B. Thomas	Coonoor	12
Rajah of	Poonganoor	12
Dr. Bourne	Calcutta	112
Messrs Thomson Shaw & Co. ...	Do.	28
Mr. T. H. Transon	Do.	31
Professor Lees	Do.	486
Dr. Mueller	Melbourne	28
Mr. Tyrrell	Mysore	12
Dr. Sayers	Vellore	12
Mr. H. DeFacien	Katarry	884
	Total number of plants.	9,125

The cold and draught of this month has been unusually severe and accompanied by high parching winds and the effect on the plants is very interesting and instructive. The Chinchona Succirubra at elevations above 5,600 feet have entirely ceased to grow, and assume the appearance of plants wintering or in a state of rest; under this elevation there has been a slight growth increasing gradually as the elevation descends, until (as noted above) the extraordinary growth of 7 inches has been attained at the lowest elevation. The same effect has also been observed in our Dodabetta Plantation, the lowest part of which is 7,830 feet elevation and the highest point 8,300 feet. Upon this site both at high and low elevations the C. Succirubra and Micrantha, &c., have assumed an entire state of rest, but being planted in sheltered positions have not suffered from the frost. The highest and most exposed parts of this site is entirely occupied by the C. Officinalis and its varieties; here the tender leaves and young shoots of a few of the plants have been injured by the frost; and the whole of the plants have assumed a state of rest, while at the lower elevation of 8,000 feet this hardy species begins to maintain its growth until at 7,830 feet elevation the average growth of 3 inches has been attained.

Ootacamund,
10th February 1864.

(Signed) W. G. McIVOR,
Supt. Govt. Chinchona Plantations.

No. 307. ORDER THEREON, 22nd February 1864, No. 316.

1. Ordered to be forwarded to the Secretary of State; to the Government of India with reference to their letter 9th January 1863, No. 254, and to the other Governments in India.
2. Ordered also to be laid on the Editor's Table.

(True Extract.)

(Signed) J. D. SIM,
Secretary to Government.

To the Superintendent Government Chinchona Plantation.

Exd. S. T. Augustin.

No. 316.

1. Ordered to be forwarded to the Secretary of State; to the Govt of India, with reference to their letter of 9th January 1863 No. 254, and to the other Govts in India.—

2. Ordered also to be laid on the Editor's table.—

Fort St George
22d Feby 1864

To the Supreme Govt Cuttack
Mysore
Hyderabad
Travancore
Cochin
Colombo
Ceylon
Nilgiris
Pegu
Straits
Singapore
Malacca
Penang
Labuan
Hong Kong
Sarawak
Aden
Bombay
Sind
Punjab
Delhi
Oudh
Rajpootana
Central India
Hyderabad
Madras
Bengal
N.W. Provinces
Berar
Central Provinces
Assam
British Burmah
Andaman Islands — Dupl. 28th Feby

1 — To the Govt of India — 1

Roll Jany 61 No 102.

Virginia Letter to Eng Lands
of 22nd February 1864 No 13.

Revenue 1861 Vol 4.
Pub: of Govt for February
No 3910

From the Supt Govt
Pinelona Plantation

Dated 10th
Recd 13th } 3 Feby 1861.

Upon the above Application
Leave was granted to Lease from
Govt to Lease Such Land as
the Supt Govt should think

V. 306 & 307.

No 316 - 25 Feby

Withdrawn