

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 657	<u>Press</u> ~~Mis.~~
98-99	
Dated	13. 4. 19-1863

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
13th April 1863.*

No. 98. Read the following letter from W. G. McIVOR, Esq., Superintendent Government Chinchona Plantations, to J. D. SIM, Esq., Secretary to Government, Revenue Department, dated Ootacamund, 10th April 1863, No. 110:—

SIR,

1. With reference to the Order of Government of the 22nd October 1862, No. 2,203, I have the honor to enclose the Report for last month, of our progress in the Chinchona operations.

2. As an alteration in the nomenclature of the species has been made, at the suggestion of Mr. Clements R. Markham, with the concurrence and approval of Sir William and Dr. Hooker, I would respectfully solicit the favor of being furnished with six printed copies of the accompanying report for distribution.

Report on the number, distribution and condition of Chinchona plants on the Neilgherries, on the 31st March 1863.

No. of species.	Botanical names.	Commercial names.	No. of plants.	Value per lb. of Dry Bark in the London Market.	Remarks.
1	C. Succirubra...	Red Bark ...	51,643	s. d. 2 6 to 8 9	The weather being favorable the first planting operations of this season was commenced towards the end of the month.
2	C. Calisaya ...	Yellow Bark ...	1,510	2 10 to 7 0	
3	C. Officinalis Var Condaminea (C. Uritusinga Howard).	Original Loxa Bark..	969	2 10 to 7 0	
4	Do. Var Bonplandiana (C. Chahuarguera)	Select Crown Bark...	68,757	2 10 to 7 0	The number of plants planted being 750, thus making the total number of plants permanently placed out in the plantations 35,750. The growing season having fairly set in, these plants are making rapid growth.
5	C. Cresvilla ...	Fine Crown Bark ...	903	2 10 to 6 0	
6	C. Lancifolia ...	Pitayo Bark ...	11	8 to 2 10	
7	C. Nitida...	Genuine Grey Bark.	8,326	1 8 to 2 9	The increase by propagation during last month is 10,809, or about 1,500 under the average of the last six months. Table II exhibits the growth of eleven plants planted out by His Excellency the Governor, and other gentlemen on the 30th August 1862. The average growth of these plants, during last month being 4 $\frac{1}{11}$ inches, or 1 $\frac{1}{4}$ inches greater than the growth in February. Table III shows the number of plants sold or otherwise disposed
8	C. Species without name ...	Fine Grey Bark ...	2,623	1 8 to 2 10	
9	C. Micrantha ...	Grey Bark ...	8,424	1 8 to 2 9	
10	C. Peruviana ...	Finest Grey Bark ...	2,937	1 8 to 2 10	
11	C. Pahudiana ...	Unknown ...	425	Worthless.	
Total number of plants...			1,46,548		

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

No. of plants.	Height in inches when planted 30th August 1862.	Height in inches on the 28th Feb. 1863.	Height in inches on the 31st March 1863.	Growth in inches during March 1863.	By whom planted.
No. 1	23	48	53	5	His Excellency Sir W. Denison.
" 2	16 $\frac{1}{2}$	44	48	4	
" 3	19	41	46	5	
" 4	15	43	47	4	
" 5	27	54	58	4	
" 6	20	43 $\frac{1}{2}$	46	2 $\frac{1}{2}$	
No. 7	20	44 $\frac{1}{2}$	48	3 $\frac{1}{2}$	J. W. Brecks, Esq.
" 8	18	44	48	4	Dr. Sanderson.
" 9	20	42	49	7	J. D. Sim, Esq.
" 10	20	51	56	5	Lieutenant McLeod.
" 11	18	52	55	3	P. Grant, Esq.

Proceedings of the Madras Government, Revenue Department,
13th April 1863.

TABLE III.—Memorandum of Chinchona plants distributed.

Names.	Station.	No. of plants.
Mr. F. N. Maltby.....	Travancore...	16
Dr. Junghuhn.....	Java...	56
Mr. A. R. Lascelles.....	Ootacamund...	12
Mr. M. Anderson.....	Jamaica...	2
Dr. Wiehe.....	Bombay...	10
Dr. T. Anderson.....	Calcutta...	534
Dr. Jameison.....	Saharanpore...	107
Professor Lees.....	Calcutta...	61
Rajah of Travancore.....	Travancore...	521
Major Morgan.....	Ootacamund...	19
E. T. Fitzgerald.....	Calcutta...	261
Total.....		1,619

TABLE IV.—Register of applications for Chinchona plants in 1863-64.

Names.	Station.	No. of plants.
Mr. G. Dawson.....	Ootacamund...	1,000
Mr. J. Chesson.....	Mahableshwar...	500
Mr. W. Chambers.....	Ootacamund...	1,000
Mr. A. R. Lascelles.....	Do.	10,000
Mr. T. DeFacien.....	Katarey...	5,000
Mr. G. Vincent.....	Do.	5,000
Mr. J. Pierie.....	Calicut...	2,000
Mr. E. B. Thomas.....	England...	500
Mr. G. Stainbank.....	Katarey...	1,000
Mr. J. H. Schnarrie.....	Ootacamund...	5,000
Mr. G. Southy.....	Walghat...	1,700
Major Morgan.....	Ootacamund...	1,000
Captain R. N. Taylor and heads of families at Coorg.....	Coorg...	5,000
Superintendent of Astragam.....	Mysore...	5,000
Mr. J. Knop.....	Ootacamund...	100
Mr. T. Rayne.....	Manantoddy...	
Captain T. H. Godfrey.....	Ootacamund...	100
Mr. P. Grant.....	Coimbatore...	100
Total...		44,000

Govt. Gardens,
Ootacamund,
10th April 1863.

(Signed) W. G. McIVOR,
Superintendent Government Chinchona Plantations.

MEMORANDUM.

There has been much confusion in the nomenclature of the species of Chinchona from the forests of Loxa, three varieties of which are now growing on the Neilgherry Hills. They are all classed by Dr. Weddell under the head of *C. Condaminea*, and hitherto the varieties have been called in Mr. McIvor's Reports, 1, *Uritusinga*; 2, *Chahuarguera*; 3, *Crispa*.

Dr. Hooker, in a recent number of the Botanical Magazine, has named the species *C. Officinalis*, reverting to the original name given by Linnæus (see page 9 of "Travels in Peru and India"). Dr. Hooker says, "When once the law of priority is departed from without perfectly good cause, the door is opened to endless future change and consequent confusion. The genus was founded upon the one plant called "Suinquina" by La Condamine, to which

of, and the localities to which they have been sent; while Table IV exhibits the register of applicants for Chinchona plants, for public Companies and private cultivation.

The number of plants already bespoken amounts to 44,000; and when it is remembered that no public advertisement has been made of the intention of the Government to dispose of the plants; this fact clearly establishes that Chinchona cultivation will be extensively taken up by private enterprise. At the suggestion of Mr. C. R. Markham the names of some of our species have been altered in this report; that gentlemen's Memorandum on the subject is hereto attached for the information of all who are interested in the nomenclature of the species.

Proceedings of the Madras Government, Revenue Department,
13th April 1863.

"Linnæus gave the specific name of *C. Officinalis*. This name which appears to us in every way unobjectionable, and which was adopted by Vahl and Lambert, Willdenow, Lamarck, and Kæmer and Schultes, was changed by Humboldt and Bonpland to *C. Condaminea*, on grounds which we consider insufficient."

It is, therefore, proposed that the name *C. Officinalis* should be adopted for this species now thriving in India, out of deference to the opinion of so high an authority on systematic Botany as Dr. Hooker.

With regard to the three varieties of this species now growing on the Neilgherry Hills, it is proposed to adopt the following names, with the concurrence of Sir William and Dr. Hooker:—

(1.) That now called *Uritusinga* was the original variety discovered by LaCondamine, and should therefore bear his name Var. *Condaminea*.

(2.) That now called *Chahuarguera* is the identical plant figured in Plate X of the great work of Humboldt and Bonpland (the unshaded branch with capsules). It ought therefore to bear the name of one or other of those eminent Naturalists. A species of Chinchona has already been called after Humboldt, and it is therefore proposed to call this variety *Bonplandiana*.

(3.) The variety called *Crispa* by Tafalla requires no alteration.

We thus have *C. Officinalis* 1. Var. *Condaminea*.
2. Var. *Bonplandiana*.
3. Var. *Crispa*.

18th February 1863.

(Signed) CLEMENTS R. MARKHAM.

(True Extract.)

(Signed) W. G. McIVOR,
Superintendent Government Chinchona Plantations.

No. 99. ORDER THEREON, 13th April 1863, No. 651.

1. Ordered to be forwarded to the Secretary of State, also to the Government of India with reference to their letter dated 9th January last, No. 254.

2. Ordered also that six printed copies of the Report be furnished to Mr. McIvor, and that it be laid on the Editor's table.

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

Pl. 637.

Ordered to be forwarded to
the Secretary of State, also to the Govern-

ment of Justice with reference to their
letter dated 9th January last Pl. 254.

Ordered also that six printed

copies of the report be furnished to Mrs
Fisher and that it be laid on the
Colonial Table.

Wm R. B. Scott
13th April 1853

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Supd. Genl. Provisional Plantations. Perth 11th

Copy sent to the Secy. of State
of 13th April 1853
Do 12th October 1854

1853. Dec. 2. Delivered
to the Secy. of State 1853.

To the Secretary of
Government
at the Secy. of State
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