

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 572

Press
~~Mis.~~

300-302

Dated

28 - 3 - 1864

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
23rd March 1864.*

No. 300.

Read the following papers:—

From W. G. McIVOR, Esq., Superintendent Government Chinchona Plantations, to J. D. SIM, Esq., Secretary to Government, Revenue Department, Fort Saint George, dated Ootacamund, 17th March 1864, No. 23.

SIR,

1. I have the honor to forward by banghy a box containing a further supply of Chinchona bark and leaves, as per list annexed, for transmission to the Right Honorable the Secretary of State for India, in order that they may be submitted to Mr. Howard for analysis and report.

2. The bark and leaves now forwarded were removed from the plants on the 24th of February last, being the dry season of the year, or the period when they are at rest, notwithstanding the bark was found to separate freely from the stems; therefore if these specimens are found to contain a larger per centage of alkaloid than those previously submitted, this will no doubt be the most favorable season of the year for peeling and drying the bark.

3. Further observation seems to establish that the plants will give a fair yield of bark annually from lopping and pruning on the principle suggested in my letter of the 4th June 1861. In accordance with this system of pruning I removed two of the lower branches from a plant of Chinchona Succirubra two years and five months old. The bark of these branches form specimens Nos. 1 and 2, and give a total weight of $21\frac{1}{2}$ tolas or about $8\frac{1}{2}$ ounces of dry bark. I expect that No. 1 will be valuable; No. 2 is from the very small succulent branches, consequently its yield in alkaloid may not be of sufficient value to pay the cost of preparation and transport. I am anxious that Mr. Howard should give the probable market value of these two samples of bark, in order to enable us to form an approximate estimate of the yearly returns from loppings and prunings, as I feel convinced that this will be our principal source of revenue, at least for many years to come, especially as the system tried experimentally of removing strips of bark from the stems of the plants has been found to injure their growth, and therefore cannot be profitably practised.

CHINCHONA SUCCIRUBRA.

No. 1. Bark from the thickest part of two lower branches of a plant of C. Succirubra two years and five months old. This bark when fresh, *i. e.*, immediately after being removed from the branches, weighed 37 tolas;* one hour's drying reduced the weights to 32 tolas, and when perfectly dry it was found to have decreased in weight to $12\frac{1}{2}$ tolas, giving a loss of about two-thirds in drying.

*NOTE—40 Tolas make 1 English pound and consequently $2\frac{1}{2}$ tolas = ounce.

No. 2. Bark from the spray or small portions of the same branches as No. 1. This bark when fresh weighed 40 tolas or 1 lb., in one hour's drying its weight was reduced to 31 tolas, and when thoroughly dry to $9\frac{1}{4}$ tolas, making the loss of weight in drying fully three-fourths.

No. 3. Bark from the stems of C. Succirubra from plants of sixteen months' growth weighing $18\frac{1}{2}$ tolas of dry bark.

No. 4. Bark from the small branches of the same plants as No. 3 weighing $12\frac{1}{2}$ tolas of dry bark.

No. 5. Dry leaves of C. Succirubra.

No. 6. Specimens of the wood of C. Succirubra from which strips of bark had been previously removed showing the injury done to the stem by this process.

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

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23rd March 1864.*

No. 301. From W. G. McIVOR, Esq., Superintendent Government Chinchona Plantations, to J. D. SIM, Esq., Secretary to Government, Revenue Department, Fort Saint George, dated Ootacamund, 19th March 1864, No. 25:—

Sir,

In continuation of my letter of the 17th instant, I have the honor to inform you that I have this day forwarded by banghy a portion of the bark belonging to sample No. 3, which unfortunately by an oversight was omitted to be packed; this makes the total weight of dry bark of No. 3 specimen 33 tolas, viz., 18½ tolas previously forwarded and 14½ tolas now submitted; and will feel obliged by your having the goodness to correct the list accordingly.

No. 302. ORDER THEREON, 23rd March 1864, No. 512.

Ordered that the foregoing letters, together with the supply of Chinchona bark and leaves received therewith, be forwarded as requested to the Right Honorable the Secretary of State.

(True Extract.)

(Signed) J. D. SIM,

Secretary to Government.

To the Superintendent Government Chinchona Plantations.

Exd. S. T. Augustin.

Chinchona Bark
leaves received the
with, be forwarded
requested to the
Hon. the Secy of

Copy to the Sup. Govt.
Chinchona Plantations - Cuf. 25

To the S

572
S. C. N. 23 March
I removed a portion of
the back of specimen
N. 3, which by an over-
sight was omitted to
be packed on the
17th Assistant.

Forwards a portion
of the bark of specimen
B³, which by an oversight (Here enter 19th " "
was omitted to be packed
on the 7th Instant. (B²⁵)

Order ~~that~~ that the foregoing letters, together with the supply of Chickona Bark and leaves received therewith, be forwarded, as requested to the Hon. the Secy of State.

Copy to the Sup. Court
Cherokee Plantations - Conf. 28

Californian with the to Aug
23 March/62 No 25.

8th July 1861. 113-47-49
9th Oct 1863 . 113-14
15th May 1864 115-66.

Revised 1861 and 1862
and for the same.

215572.

of the California
of 23 March/62.

No 80000 202.

Receipt of
California bank and
leaves received from
the same has ordered to
be forwarded to every
State.