(1) Number of pages 263

(2) Date of repair 18-2-38

(3) Initials of the Reference

MADRAS RECORD OFFICE.

Government of Madras.

Reference DEPARTMENT.

G.O. No.	1644	Press Mis.
Dated	5-11-	18 11

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

5th November 1881, No. 1644.

READ THE FOLLOWING PAPER:—

No. 72. From Colonel R. H. BEDDOME, Conservator of Forests, to the Secretary to Government, Revenue Department, dated Ootacamund, 24th October 1881, No. 674.

1. Letter from Lieutenant-Colonel Jago, No. 372, dated 20th October 1881.
2. Letter from the Dodabetta Head Overseer, No. 609, dated 14th October 1881.
3. Letter from Mr. Cross, to Lieutenant-Colonel Jago, dated 14th October 1881.

WITH reference to paragraph 3 of G.O., dated 17th May last, No. 781, I have the honor to forward documents as per margin from the Officer in charge of the Nilgiri Chinchona Plantations on the subject of the propagation of Chinchona Santa Fé plants on the Nilgiris.

ENCLOSURE No. 1.

From Lieutenant-Colonel R. S. JAGO, Deputy Conservator of Forests in charge of Chinchona Department, Nilgiris, to Colonel R. H. Beddome, Conservator of Forests, Ootacamund, dated Naduvattam, 20th October 1881, No. 372.

REFERRING to paragraph 3 of G.O., 17th May last, No. 781, I have the honor to forward herewith Mr. Cross's letter of the 14th instant, and the Head Overseer's letter of the same date, on the subject of Chinchona Santa Fé plants for such orders as you may deem fit.

ENCLOSURE 1 in No. 1.

From R. CROSS, Esq., to the Deputy Conservator of Forests, dated Government Gardens, 14th October 1881.

I BEG to acknowledge the receipt of your communication received this morning with date of thirteenth of this month, inquiring respecting the state of the Santa Fé plants.

1. The three original plants brought out have progressed well and one was planted out in August near to the jail. The plant has done well. This plan was adopted in order to see how the growth of the plant would proceed at this elevation and also to afford the opportunity of observing whether the climatic conditions would prove favorable for its development. So far as can yet be noticed, the appearance of the plant in every way is perfectly satisfactory. The two remaining plants have been placed out in the open air to harden, and it was proposed to plant these out towards the end of this month or beginning of next, or in other words, with the first downfall of rain. These plants are perfectly safe and the only mistake which might happen would be in planting them out. One of these plants is rather small from having been injured on the passage out by a cooly putting his foot on the glass-box which contained it and breaking the glass, the fragments so injuring the stem that it required to be cut down. The subsequent growths from the base of the cut down stem employed in propagation prevented a rapid state of growth; however it is now in good condition for planting out. The other plant is uncommonly strong and fine.

2. The Santa Fé plant yields sparingly side shoots suited for propagation, but the most tiny buds produced were taken for this purpose. The growth of such buds is naturally slow. In order therefore to provide an early supply of seeds by means of which an abundant supply of plants for planting purposes could be quickly and easily raised, I thought it might be well to endeavour to graft the Santa Fé on grown-up Condaminea trees, and towards the end of August this project was performed. In the plantation on the steep bank of the ravine two young unbarked Condaminea trees, 7 or 8 years old, were pruned of branches close to the stem, also the young succulent tops were cut off. The bare stems were then bent down against the steep bank of the ravine and securely fastened, and two cutting plants of Santa Fé were converted into grafts and put on the stems, one at a height of six feet up the stem, the other at a height of nine feet. A month afterwards both were examined and were found to have united, though as yet only one has pushed. Owing to the smallness of the grafts the process of bud side grafting was adopted. The tree bearing the most advanced graft has been re-examined, clayed and the stem allowed to stand up in its former natural position. About eight days ago another graft was put on to a strong Condaminea tree, making three in all. There is no certainty how a grafted tree may prosper, but should only one of the trees so treated do well seeds will be produced much earlier, or as if a Santa Fé plant had been planted out five or six years ago. None of the

young growths coming from the stems should be allowed to grow more than two inches in length, and when the graft of a tree is five or six inches in length all growths (except those of the graft), suckers, or side shoot should be removed as soon as they appear.

3. A week ago three more grafts were put on two-year old cut-down *Cinchonicus* plants. These were put in the hot-house in pots, and when sufficiently united, may be planted out. Shoots to serve for grafts or cuttings may be obtained from such plants.

4. Then there remains four small cutting plants which to be free from hot-house risks may be planted out permanently in some convenient place where they may be watered in dry weather.

5. In addition there are three small rooted buds which will have to remain in the hot-house for six or eight months.

6. In order that the safety of the plants may be fully assured, I would propose to see the remaining two plants of the original stock planted out, fenced round, and established; all of which may be accomplished within the ensuing month, November, or otherwise to advise counsel and recommend the Head Overseer to do so within the same space of time.

ENCLOSURE 2 in *No. 1.*

From T. NARRAINSAWMY NAIDU, Head Overseer, Government Cinchona Plantation, Dodabetta, to Lieut.-Colonel R. S. JAGO, Deputy Conservator of Forests in charge, dated Dodabetta, 14th October 1881, *No. 609.*

With reference to your Endorsement No. 349, of 13th October 1881, on the letter addressed to Mr. Cross, I respectfully beg to state that the Santa Fé plants now in the propagating house under the care and management of Mr. Cross are in my opinion safe, and I can take charge of them.

2. One of the two big Santa Fé plants is permanently planted in the Plantations; it is growing freely: the other big one and another small one, Mr. Cross has put out temporarily to harden them; they can also shortly be planted out.

3. There are a few very small ones, and a few grafts put on small *Condaminea* plants, which will be taken care of as far as possible; but we cannot make sure of them until they are united.

No. 73. ORDER THEREON, 5th November 1881, No. 1644.

Miscellaneous.

THE Santa Fé plants having been sufficiently established, and their safety secured, the special object of Mr. Cross's retention in India has been accomplished, and his further detention is unnecessary. His salary will be passed to the end of the current month, and a first-class passage to England will be provided for him by the Marine Department.

2. His Excellency the Governor in Council has much satisfaction in testifying to the valuable and willing services, extending over one year, rendered by Mr. Cross, and a copy of these Proceedings will be transmitted to the Most Honorable the Secretary of State for information.

(True Extract.)

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

To the Conservator of Forests.
" Mr. Robert Cross, Government Gardens, Ootacamund.
" the Commissioner of Nilgiris.
" the Accountant-General.
" the Board of Revenue.
" the Superintendent, Government Central Museum.
" the Master Attendant.
" the Marine Department.

Exd. W. H. French.

90 Copies.

Original

Coll. of 1851 Stamps.

REVENUE.

To

The CONSERVATOR of FORESTS,

&c. &c. &c.

Dated November 6th,

Printed 1851.

Rec.

G.O. 44 Dated 15th Nov. 1851

NOVEMBER

1851.

Gift of Hist

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C.O. No 1644 d/5 November
has just been received and
brought over correspondence
to 5 pm. Will be sent
C.O. No 6417 a Bde HQ

Camp Ootacamund, Nilgiris

Office of Government Chinchona Department,

No 372

20th October 1881.

From Lieut Colonel R. J. Lyon
The Deputy Conservator of Forests,
in charge Chinchona Department,
Nilgiris.

To
Colonel R. H. Beddome
Conservator of Forests
Ootacamund

Sir,

Referring to para 3 of G.O. 19 May last No 757 I have the honor to forward herewith a copy of Mrs Cross' letter of the 11th instant and a copy of the Head Overseer's letter of the same date on the subject of Chinchona Santa Fé plants for which orders as you may deem fit.

I have the honor to be
Sir
Your most obt servant
R. J. Lyon Lieut Colonel
Dy Conservator of Forests
in charge Chinchona

183 /-82

CUSTOM HOUSE DEPARTMENT.

From

The Dr. Commissioners of Parochs,
in Guild,

Guildhall

To

Mr. Commissioner Peel
Whitehall

Dated 2d July 1830

Despatched

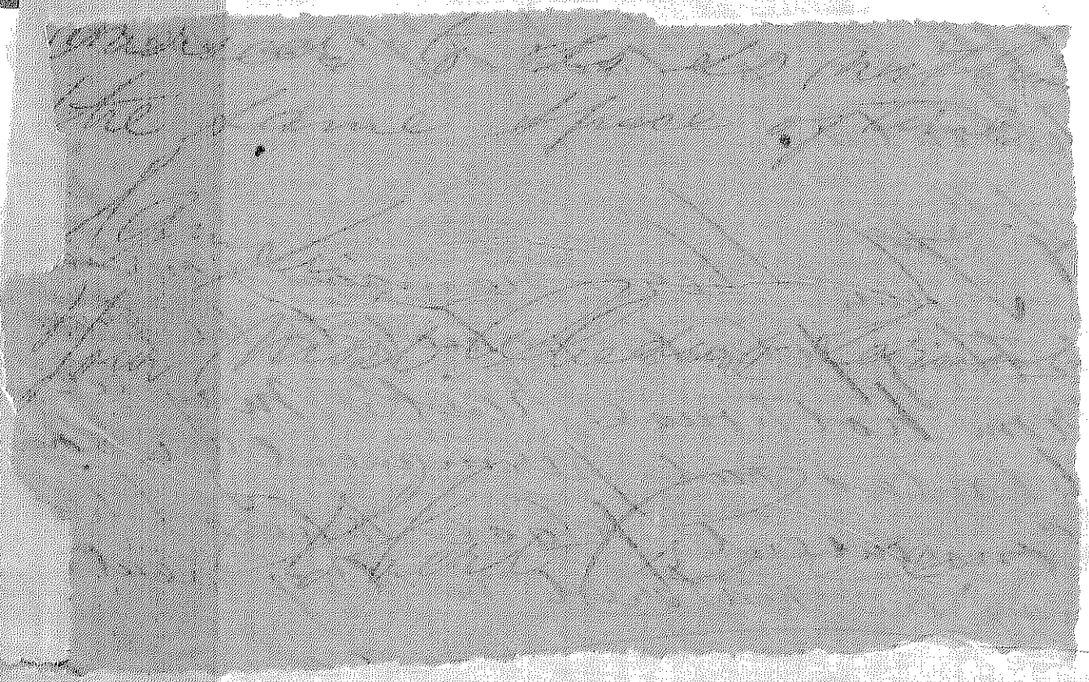
Received

No. 372

No. of Enclosures 4

SUBJECT.

Electric Telegraph
Experiments
Report



Fort Stevens, Oregon
April 19, 1923

Subject:
Replies to questionnaire re Condition of Coast Defenses

From:
Lieut. Col. H. F. Hodges,
Fort Stevens, Oregon.

To:
The Commander,
Fort Casey, Washington.

Through:
Channel Defenses,
Portland, Oregon.

1. With reference to your endorsement of May 15th relative to the Coast Defenses of Puget Sound, I have the honor to state that the Fort Stevens area is the only Harbor Defense in the Columbia River District, and I can only answer the questionnaire from the standpoint of this Fort.

2. Five of the two big Coast Defense guns are permanently planted in the Pacific Ocean, the remaining three; the other gun is another small one. The three heavy guns are temporarily in position there, they can also shortly be planted out.

3. There are a few very small Mines, and a few groups of the Armed Coastal Artillery

condaminea plants which will be taken care as far as possible; but we cannot make sure of them until they are united.

I beg to remain
Sir
Yours most Obdt Servant
T. Hanumanthy Naidu
Hd Overseer in charge

Copy to Conservator 18/10/81

Print

2
Rev: 5922/81

1881
Chinchona Plantations
No. 45
From
The Head Overseer [illegible]
To
Lieut Col. W. G. Jago
[illegible]
Dated 18 Octr 1881
Enclosure
No 609
Subject
Reporting that the [illegible] the charge of Santa Fe plants [illegible]

Office of Conr of Forests

No. 674 Ootacamund, 24th Octr 81

From
Colonel R. H. Beddome,
Conr of Forests.

To
The Secretary to Govemt.
Revenue Department
Fort St. George.

Sir, With reference to para 3 of G.O. dated 17th May last No. 781, I have the honor to forward documents, as per margin, ~~(to the Govt)~~ from the Officer in charge of the Nilgiri Cinchona plantations, on the subject of the propagation of Cinchona Santa Fe plants on the Nilgiris.

1. Letter from Lt Col Jago No. 372 dated 20th October 81
2. do from the Head Overseer [illegible] of 14th Octr 81
3. do from Mr. Cross to Lt Col. Jago dated 16th Octr 81

I have the honor to be
Sir
Your most obedt. Servt.
R H Beddome Colonel
Conr of Forests

50 19. 2 - 21 Feb 2 50 - 54
Vide Con. 5960.

Revenue 1881 Pleasants

Mem. the Secretary

Order in Council 18 Feb 81.

The Santa Fe Plants having been sufficiently established, and their safety secured, the special object of Mr. Cross's retention in India has been accomplished, and his further detention is unnecessary. His salary will be passed to the end of the current month, and a first class return passage to England will be provided for him by the Marine Dept.

His Excellency the Governor in Council has much satisfaction in testifying to the valuable and willing services, extending over one year, rendered by Mr. Cross, & a copy of these Proceedings will be transmitted to the Most Honble. the Secretary of State for information.

Copy & Extract.

Draft Letter to S of S.

With reference to para 2 of your Lordship's Despatch, dated 20th July last Ord. 21 (Revenue) we have the honour to forward the accompanying copy of our Proceedings disposing of Mr. Cross's further services.

Mem. the Secretary to Government of India.

Sanctioned Pleasants Plants on the Nilgiris. Proceedings Correspondence on the subject of the formation of _____ from the Officers in Charge.

Draft Order & despatch drafted under various orders in Council