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MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1902 Press Mis.

Dated 9-12- 1881.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

9th December 1881, No. 1902.

READ THE FOLLOWING PAPER :—

No. 132. From the Conservator of Forests, Madras, to the Secretary to Government, Revenue Department, dated Madras, 29th November 1881, No. 840.

IN continuation of Conservator's letter No. 674, dated 24th October 1881, I have the honor to submit, for the information of Government, copy of a further report from Mr. Cross, dated 8th instant, received in this office through the Deputy Conservator in charge of the Government Chinchona Plantations, Nílgiris, upon the progress made in propagation of C. Sante Fé plants.

2. I request that the three letters, in original, which accompanied Colonel Beddome's communication above noted, may be returned.

ENCLOSURE.

Letter from R. CROSS, Esq., to Lieut.-Colonel R. S. JAGO, Deputy Conservator of Forests, dated Dodabetta, 8th November 1881.

I BEG to forward further reply to your communication with date of October 13th, 1881.

1*st*.—All the original Santa Fé plants have now been safely planted out, established, fenced round and in every way completely secured. These plants occupy a site adjacent to the jail, and in all ordinary circumstances may be considered safe.

2*nd*.—The Santa Fé grafts put on three Condaminea trees in the plantation have all united, but owing to the height at which the grafts have been put up the trunks, the action of the sap and vigour of the stock exercised on the grafts is necessarily limited although when once such description of grafts are established the great length of trunk hastens the rapid development of crown of flowering branches. The stems have all been bent down and fastened against the bank of the ravine, in which position they may best remain until the dry season is over, by which time the grafts should be thoroughly matured and hardened. This description of grafting has probably not been performed before in India, and so I may state that it requires more care than is essential to other methods. The young growths should be carefully removed from the stems of the trees in such a way that the grafts may be able, as they increase in size, to absorb the entire growing strength of the stock. Usually the graft itself requires some pruning, but it is impossible to lay down any rule on this point as so much depends on circumstances.

3*rd*.—Of the other three grafts put on cut-down Condaminea plants, in the hot-house, one failed owing to the graft being completely too small and imperfect, but the remaining two have united exceedingly well. Both will be put outside to the weather, to harden, in a few days hence. At the expiration of a month or so these plants will probably be in a fit state to plant out. I would strongly recommend that one of these plants, when ready, be taken over to Naduvatam and planted there in a suitable well-selected spot, where I am assured that proper care and attention would be exercised in the transference, planting out, and after growth of the plant. An early opportunity would thus be afforded of judging of the various conditions of soil, moisture, &c., most suitable for the growth of this species.

4*th*.—The four remaining small cutting plants might be planted out soon in a convenient place near the jail to be watered in dry weather.

5*th*.—Then there are besides three very small plants from buds which would require to be kept some time longer in the hot-house until attaining some size.

No. 133. ORDER THEREON, 9th December 1881, No. 1902.

Miscellaneous.

RECORDED with reference to G.O., 5th November 1881, No. 1644, in which also the enclosures requested to be returned are printed.

(True Extract.)

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

To the Conservator of Forests.

Exd. W. H. French.

50 Copies.

Govt. of (1881) Madras.

REVENUE.

To

The CONSERVATOR of FORESTS.

Dated December 9th.

Printed Plate.

Read. Read.

G.O., 9th December 1881, No. 1902.

DECEMBER.

Nos. 192-193.

Subject.

S. Santa Fé Plants.—Further report from Mr. Cross upon the progress made in propagation [illegible] —, Conservator's letter submitting —, received with remarks.

Government Gardens
Dodabetta 8th November 1881

Lieutenant Col Sage
Dy. Conservator of Forests
&c &c &c.

Sir,

I beg to forward further reply to your communication with date of October 15th 1881.

15th. All the original Santa Fé plants have now been safely planted out, established, fenced round and in every way completely secured. These plants occupy a site adjacent to the Jail and in all ordinary circumstances may be considered safe.

2d. The Santa Fé grafts put on three Condamines here in the plantation have all united but owing to the height at which the grafts have been put, upon the trunks, the action of the sap and vigour of the stocks exercised on the graft is necessarily limited although wherever such

such description of grafts are established the great length of trunk hastens the rapid development of crown of flowering branches. The stems have all been bent down and fastened against the banks of the ravine in which position they may best remain until the dry season is over, by which time the grafts should be thoroughly matured and hardened. This description of grafting has probably not been performed before in India and so I may state that it requires more care than is essential to other methods. The young growths should be carefully removed from the stems of the trees in such a way that the grafts may be able, as they increase in size, to absorb the entire growing strength of the stocks. Usually the graft itself requires some pruning but it is impossible to lay down any rule on this point as so much depends on Circumstances.

3rd Of the other three grafts put on

ons cut-down Condemned plants, on the hot-house, one failed owing to the graft being completely too small and imperfect but the remaining two have united exceedingly well. Both will be put outside to the weather, to harden, in a few days hence. At the expiration of a month or so these plants will probably be in a fit state to plant out. I would strongly recommend that one of these plants when ready be taken over to Nedivattum and planted there in a suitable well selected spot, where I am assured that proper care and attention would be exercised in the transference planting out and after growth of the plant. The early opportunity would then be afforded of judging of the various Conditions of soil, moisture &c most suitable for the growth of this species.

4th The four remaining small cutting plants might be planted out soon in a convenient place near the Jail to be watered in dry weather.

5th Then there are besides those very

small

small plants from beds which would re-
quire to be kept some time longer in
the hothouse until attaining some size.

I am &c
(s/) Robert Cross.

(True Copy)

Dy Conservator

Rev: 6/6/81

Office of Conservator of Forests
Madras, 29th November 1881

No. 840

From

The Conservator of Forests
Madras

To.

The Secretary to Government
Revenue Department
Fort Saint George.

Sir

In continuation of Conservator's letter No. 674 dated 24th October 1881 I have the honor to submit for the information of Government, copy of a further report from Mr. Cross dated 8th instant, received in this office through the Deputy Conservator, in charge of the Government Chinchona Plantations, Nilgiris, upon the progress made in propagation of C. Lancifolia plants.

2. I request that the three letters in original which accompanied Colonel Beddome's communication above noted may be returned.

I have the honor to be,
Sir,
your most obed.t servant

Dy. Conservator of Forests

for Conservator of Forests

Co 5-11-31 Rec 7-2-7.

Revenue 1881 Department

No. 6760

From

Fine
9/12

The Conservator of Forests
Madras.

To

The Secretary to Government
Revenue Department
Fort St. George

Dated 29th November 1881
No 3202

No 340
Encl

Submitting for information copy of a further report from Mr Cross upon the progress made in propagation of Cinchona plants and regarding early return of the original enclosures to Conservator's letter No 674 dated 24th October 1881. With Order.

No. 1902

Read with reference to G.O. 5th November 1881, No. 1644, in which also the enclosures requested to be returned are printed. Jur 8/12/81

9 December 1881

20 Forwarded 20/12/81

5/12

1881 1900