M.R.O. 1—20,002/—12-8-65.

(1) Number of Pages 22.

(2) Date of repair 21.7.66.

(3) Initials of the Referencer

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. / B.P. No.	454	Press / Mis.
Dated	17.4.1874	196 .

Not to be folded or roughly handled

No. 102. Read the following letter from Major R. H. BEDDOME, Inspector of Forests, to D. F. CARMICHAEL, Esq., Secretary to Government, Revenue Department, Madras, dated Ootacamund, 19th December 1873, No. 1,958:—

ADVERTING to the Government Order, No. 1,290, of the 24th ultimo, I have the honour to inform you that my Artist has been employed for the last six or seven years on the *Flora Sylvatica*, the last number of which has just been issued. This work contains 519 drawings of the different trees and larger shrubs of this Presidency, the original drawings from which the lithographs have been taken are retained in my Office. They are, however, chiefly in pencil, and have necessarily been much defaced and injured by the lithographers. The Artist has also prepared 280 drawings of new and rare plants discovered by me in this Presidency. Government sanctioned the publication of 300* of these as a continuation of Dr. Wight's *Icones*: 180 have already been lithographed and published, and 80 more are ready, 60 of which are in the hands of the lithographers, and the Artist is just now employed on the remaining 40, which I had hoped to have ready before I proceed to Europe, which I am obliged to do almost immediately, as my health is much undermined from jungle fever. As the Artist's services have now to be placed at Dr. Bidie's disposal, I shall not be able to complete this work. Dr. Bidie might, however, I think, have employed one of the draughtsmen from the School of Arts.

* Vide G. O., No. 2,642, of 19th October 1868,

Besides the above, I have in my Office a good many other drawings of plants executed from time to time by the Artist. A good many of these are not worth publishing; others are more or less incomplete, and require further attention; and others have been drawn during my absence, and require further verification and examination with the plants themselves.

Govindoo, the old Artist, who drew for many years under Dr. Wight, was pensioned in September 1871, and his son, Sashiah, got the appointment. I had previously taught this lad for several years before he became at all up to the mark; but he now far excels his father, and I consider his services most valuable, and his drawings have been much praised and admired in Europe. The magnified dissections necessary in all botanical drawings require, of course, botanical knowledge, and the Artist cannot prepare these correctly or produce drawings worth publishing, unless they are laid out and explained to him under direction of a Botanist, and, as my *locum tenens* will probably not be a Botanist, I was going to propose to Government that this man's services should be given over to the Museum whilst I am absent; but I should be very sorry not to obtain his services again on my return, as there is much valuable work of this nature still to be done in my department.

2. With reference to the parasitic plants injurious to forest trees, I wonder that Government did not, in the first instance, refer this question to my department. It has necessarily received very much attention from me since many years; and Colonel Morgan on the Nilgiris and Mr. Ferguson at Nellumbur, besides others in the department, have given special attention to the subject.

Proceedings of the Madras Government, Revenue Department,
17th April 1874.

The Loranths are the tribe of plants so injurious to the Australian Acacias and the Peach trees on the Nilgiris. There are sixteen or twenty supposed species, but many of these are too closely allied and really only varieties. Of these, the most destructive on the Nilgiris is the *Loranthus candolleanus*; but there are others nearly as bad: the same tribe of plants are very injurious in our Teak plantations at Nellumbur, and there *Loranthus longiflorus* is our greatest enemy. Removing the boughs on which the parent plants have thoroughly established themselves is the only way to get rid of them, or to keep the evil in check. The seed is very sticky, and readily adheres to any boughs on which it may fall, or to which it is carried by birds, and germination soon takes place. The young seedlings can be rubbed off soon after they first germinate and whilst they are only epiphytic, or scraped out when they first become parasitic; but this is a tedious and, except in gardens, a too expensive operation, and necessitates much climbing and often injury to the tree. All the Loranthus, except one (a new species detected by me on the higher ranges of the Anamallays, and described in the Madras Literary Journal), are described by Dr. Wight in his *Prodromus*; but a good many of the supposed species are only varieties (the effect of elevation and climate), and the genus is a very difficult one to divide correctly into species. Most of the typical species are also figured by Dr. Wight in his *Icones*. The parasitic fici (figs) are far more dreaded enemies to the forester than the Loranthus, and we wage a systematic warfare against this tribe in all our reserved forests, and much has to be spent annually on this branch of conservancy.

No. 103. ORDER THEREON, 17th April 1874, No. 454.

Forests, No. 3.

THE Draughtsman will be attached to the Museum, in which the Government Herbarium has now been placed, and will work under the orders of the Superintendent, Dr. Bidie, whose botanical acquirements are sufficient guarantee for his proper employment.

2. The Government observe that it was Colonel Beddome's duty to have made known to them what information he and his department possessed regarding the parasitical plants of the Nilgiris.

(True Extract.)

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

To the Inspector of Forests.
,, Surgeon-Major G. Bidie, M.B.
,, the Board of Revenue.
,, the Accountant-General.

Exd. F. R. Bantleman.

Govt. of Madras.

REVENUE.

To

THE INSPECTOR OF FORESTS.

&c., &c., &c.

Dated April 17th.

Recd. Ans.

G. O., 17th April 1874, No. 454.

APRIL.

Nos. 102-103.

Draughtsman hitherto employed under the Inspector of Forests.—Directs that the — be attached to the Museum, and work under the orders of Dr. Bidie; and observes that Colonel Beddome should have made known to Government what information the Forest Department possessed regarding the parasitical plants of the Nilgiris.

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Office of Inspector of forests.

No. 1958.

Ootacamund 19th December 1873.

From

Major R. H. Beddome

Inspector of Forests

To,

D. F. Carmichael Esqre

Secretary to Government

R.D.

Sir,

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* Vide G.O. No. 2642 of 19th October 186

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I have the honor to be,
Sir,
Your Most Obedt. Servt.

R. H. Beddome Major
Inspector of Forests.

Rev. 1873-74. Dep.
Forest Department
From No. 4089
The Inspector of Forests.
To The Secretary to Govt. R.D.
Dated 19th
Received 22d } December 1873
No. 1958.
Enclosure none
Subject
Submits the report, called for in G.O. No. 1290 of 24 November 1873.-
50. No. 454-175 April 74.

C 9 Jany 74

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REVENUE DEPARTMENT.

C. No. 4089.

From Inspector of Forests. Dated 19th December 1873.

FOR ORDERS.

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It was Col Beddome's
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he & his Dept. possessed
regarding the parasitical
plants of the Neilgherries.
Honour to the pt. of

Bidie tells me - privately -
that he never gave him
the slightest assistance!

Sol.

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Revenue Department.

No. 454

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 17th April 1874.

READ the following letter from the Inspector of Forests.

Submitting the report called for in G.O. No. 1290 of 24th Nov. 1873, regarding past employment of Draughtsman attached to his Office — H. E. 19: Dec: 1873 No. 1958.

The Draughtsman will be attached to the Museum in which the Govt. Herbarium has now been placed, and will work under the orders of the Superintendent, Dr. Bidie, whose botanical acquirements are sufficient guarantee for his proper employment.

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3 To the Insp. of Forests Dec 27 Apl/74.
1 " Surgeon-major G. Bidie M.B. " "
14 " Bd of Rev — " "
6 " Acctt Genl — " "

Ex W.R.B.S

102-103.

G-O

Future employment of the Draughtsmen hitherto attached to the Office of the Inspr of Forests —

Do