No. 169. Read the following letter from Major R. H. BEDDOME, Inspector of Forests, to D. F. CARMICHAEL, Esq., Secretary to Government, Revenue Department, Fort St. George, dated Ootacamund, 1st April 1873, No. 1,751 :—

I HAVE the honour to forward the Railway Fuel Plantation Report of the Cuddapah, Bellary, Ghooty, and North Arcot Districts, for the quarter ending 31st December 1872.

QUARTERLY Report of the Fuel Plantations in the Cuddapah, Bellary, and North Arcot Districts, from October to December 1872.

Plantations.	Acreage.	Name of	Expenditure. Planting charge including pitting and channelling.	Fencing.	Establishment. Permanent.	Establishment. Hired.	Total.	Receipts.	Number of Trees planted out and Casualties replaced	Number of Casualties that occurred in the Quarter.	Number of Trees permanently established.	Expenditure from Commencement.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.					Rs. A. P.
		I. Railway Fuel Plantation containing the following species :—										
Ooperapully	105	1. Albizzia Lebbeck ... ... 2. Cassia florida ... ... 3. Melia Azadirachta ... 4 Acacia Arabica ... ... 5. Acacia amara ... ... 6. Pentaptera glabra ... 7. Pterocarpus santalinus... 8. Inga saman .. .. 9. Pithecolobium dulce ... 10. Adenanthera pavonina. 11. Chloroxylon Swietenia... 12. Santalum album ... ... 13 Tandra ... ... 14. Tectona grandis ... ... 15. Alangium decapetalum. 16. Thespasia Populuca ...	60 9 0	.....	.....	52 0 0	112 9 0	.....	4,695	1,645	46,089	5,806 13 7
		II. Railway Fuel Plantation containing the undermentioned species.										
Reddipully	924	1. Albizzia Lebbeck ... ... 2. Acacia Arabica ... ... 3. Cassia florida ... ... 4. Pentaptera glabra ... 5. Tandra ... ... 6. Acacia amara ... ... 7. Poinciana regia ... ... 8. Cananga odorata ... 9. Tamarindus Indica ... 10. Melia Azadirachta ... 11. Inga Saman ... ... 12. Pithecolobium dulce ... 13. Casuarina equestifolia... 14. Cassia fistula ... ... 15. Engenia Jambolana ... 16. Tectona grandis ... ... 17. Alangium decapetalum.	62 7 0	.....	.....	52 0 0	114 7 0	.....	1,693	803	26,077	9,349 4 5
		III. Railway Fuel Plantation containing the following species :—										
Pullempstt	402	1. Albizzia Lebbeck... ... 2. Melia Azadirachta ... 3. Pentaptera glabra ... 4. Casuarina equestifolia... 5. Cassia florida ... ... 6. Ficus glamerata	72 9 0	.....	.....	52 0 0	124 9 0	.....	4,400	645	10,514	5,136 12 6
		IV. Railway Fuel Plantation containing the following species.										
Camalapore	247	1. Albizzia Lebbeck... ... 2. Casuarina equestifolia. 3. Cassia florida ... ... 4. Acacia Arabica ... ... 5. Pithecolobium dulce ... 6. Melia Azadirachta ... 7. Inga saman ... ... 8. Acacia amara	50 4 0	.....	217 1 6	.....	267 5 6	.....	1,569	1,535	67,463	7,456 13 8
		V. Railway Fuel Plantation containng the following speciesi:—										
Ghooty	404½	1. Acacia Arabica ... ... 2. Melia Azadirachta ... 3 Albizzia Lebbeck... ... 4. Acacia amara ... ... 5 Casuarina equestifolia. 6. Inga saman ... ... 7. Tamarindus Indica ... 8. Cassia florida	.....	.....	217 1 7	.....	217 1 7	.....	4,307	1,567	45,020	8,319 5 8
		VI. Railway Fuel Plantation.										
Trivellum situated about 8 miles west of Vellore Station, and at the junction of the Poiney and Palar rivers about a mile from the railway.	434·87	Chiefly "Casuarina equestifolia, but cantaining also a few Cassia of different species	235 13 0	.....	.....	.....	235 13 0	62 0 0	10,000	.....	1,36,498	8,991 15 6
		VII. Railway Fuel Plantation :—										
Veruagipoorum situated about one mile south of the Railway Station of that name in the old bed of the Palar river.	260·48	Casuarina equestifolia ...	688 9 1	228 0 0	.....	.....	916 9 1	.....	49,200	.....	1,91,247	4,484 0 10
		VIII. Railway Fuel Plantation : —										
Cheynoor situated close to the railway 2 miles west of Vellore Station.	129·93	Casuarina ... ... Albizzia Lebbeck... ... ... Acacia Arabica ... ... Alangium Lamarkii ... ... Acacia amara	609 11 1	.....	.....	.....	609 11 1	.....	39,000	.....	81,000	2,236 0 0

QUARTERLY Report of the Fuel Plantations in the Cuddapah, Bellary, and North Arcot Districts, etc.—(*Concluded*).

Plantations.	Acreage.	Name of	EXPENDITURE. Establishment. Permanent.	Establishment. Hired.	Total.	Receipts.	Number of Trees planted out and Casualties replaced.	Number of Casualties that occurred in the Quarter.	Number of Trees permanently established.	Expenditure from Commencement.
			Planting Charge including Pitting and Channelling	Fencing.						
			Rs. A. P.	Rs. A. P.	Rs. A. P.					Rs. A. P.
Casarlamadum close to the railway and 2 miles south of the Tripetty Station ... Thengal, situated about one and-a-half miles south of the Penny railway bridge and opposite to the Trivellam plantation ...	44 67	IX. Railway Fuel Plantation. Casuarina equestifolia ...	377 10 6	.....	377 10 6	.....	19,000	.....	44,000	1,095 9 10
	about 110	X. Railway Fuel Plantation Casuarina equestifolia ...	15 4 0	.....	15 4 0	.....	.....	.....	8,000	15 4 0

Proceedings of the Madras Government, Revenue Department,
23rd May 1873.

REMARKS BY THE OFFICERS IN CHARGE.

I. *Ooperapully.*—All the 4,695 entered in column 10 were Albizzia, 2,375 of which were casualties replaced. 800 pits were excavated for planting, 2,620 plants weeded round, 6,320 plants watered, and eighteen yards of fencing repaired.

II. *Reddipully.*—Casualties replaced were of the following species:—1,190 Albizzia Lebbeck, 17 Cassia florida, 272 Melia Azadirachta, and 14 Inga Saman; making a total of 1,493; 200 Albizzia were freshly transplanted out; thus making the total 1,693, as shown in column 10. Casualties in the quarter were as follow:—145 Albizzia Lebbeck, 17 Cassia florida, 172 Melia Azadirachta, 200 Acacia Arabica, 55 Acacia amara, 14 Inga Saman, and 200 Casuarina equestifolia, the total of which is as per column 11. 200 pits were excavated for planting; 2,400 plants in pits weeded round and cleared of brushwood; 357 chains of channelling weeded; 249 chains of channelling sown with seeds, viz., 100 Acacia Arabica, 49 Albizzia Lebbeck and Acacia Arabica, and 100 chains Albizzia Lebbeck, and 2¼ acres of land ploughed up and sown broad-cast with Acacia Arabica and Albizzia Lebbeck seeds.

III. *Pullempett.*—The number exhibited in column 10 are the plants put out, including casualties replaced; the former 3,980 divided as follows:—1,913 Albizzia Lebbeck, 1,497 Melia Azadirachta, and 570 Cassia florida; and for the latter 420, 330 Albizzia Lebbeck, 60 Melia Azadirachta, and 30 Cassia florida, both in pits and channels. Of the casualties 120 were of the Albizzia Lebbeck, 25 Inga Saman, 110 Cassia florida, and 390 Melia Azadirachta. 969 plants watered, 26 pits excavated, 207 chains channelling were sown of Albizzia Lebbeck 60½, Acacia amara 48½, Acacia Arabica 50, and Melia Azadirachta 48 chains. 56 nursery beds were added and sown with seeds, viz., 24 Albizzia Lebbeck, 31 Melia Azadirachta, and 1 Cassia florida. Of the 4,400 planted out, 2,970 were put into 14 channels of 133 chains measurement, *i.e.*, 1,566 Albizzia Lebbeck in seven channels of 68 chains, 1,168 Melia Azadirachta in six channels of 64 chains, and 256 Cassia florida in one channel of 11 chains. The remainder 1,430 were put into pits.

IV. *Camalapore.*—100 Casuarina equestifolia and 30 Cassia florida plants were put out. Casualties replaced 414 Casuarina equestifolia and 1,125 Melia Azadirachta, 400 pits were excavated, 500 plants watered. 200 chains channelling weeded 10,355 plants weeded round and cleared of brushwood, and 103 chains fencing repaired.

V. *Ghooty.*—Of the 4,307 plants shown in the column 10, 1,567 were casualties replaced by Melia Azadirachta, and the remainder 2,740 transplanted out from the nursery as follows:—120 Albizzia Lebbeck, 2,020 Melia Azadirachta, and 600 Cananga odorata, 2,020 pits were excavated for transplanting into, 1,400 transplanted plants weeded around and cleared of brushwood, 550 chains of channelling weeded and cleared, and 80 chains of aloe-fencing that was damaged by rain, etc., repaired.

The amount shown in columns 6 and 8 show the amount expended for the paid establishment, viz., one Overseer at Rupees 50, one head Gardener at Rupees 10, one Peon at Rupees 7, and three Under-Gardeners at Rupees 6 each per mensem; and as the Overseer in charge of the Camalapore plantation in the Cuddapah District also, his salary and the Peons has been equally distributed to show the cost, or rather the legitimate expenditure, on this plantation. By an oversight the salary of the Overseer from 17th August to 30th September 1872, and the Peons from 1st July to 30th September 1872, was not divided and included in the second Quarterly Report, ending 30th September 1872, which was embodied in the general Quarterly Report for that quarter, and sent to the Collector of Cuddapah, as was then the practice. This sum has also found a place under the head of expenditure in this Report.

The salaries of the Overseer and Peon up to date are drawn from the treasury in the Cuddapah District on abstract, and paid to them, as well as the gardeners up to end of October

1872, when the Collector of Cuddapah objected to pass the B Salary List for the gardeners, so that from November 1872 the amount of Rupees 28 is being drawn from the Ghooty Treasury.

Rupees 23-7-6 is still due to the coolies on the plantation, which has not yet been adjusted, and properly belongs to this quarter; in consequence of its not having yet been paid, it does not find a place here.

Though it rained in October and November, we could not take advantage of the season for planting out to any extent, or sowing of seeds in channels for want of funds. There was no rain in December. The rains in the previous months tended to do much good to the plants put out recently and the established ones; but as the hot months are commencing, they will have to be looked after by watering.

(1.) There was rain on all the plantations situated in the Pullempett Taluq in the months of October, November, and December 1872, but from the want of funds in the early part of the quarter nearly all the coolies, with the exception of a sufficient number to keep up the nurseries and do other necessary works, were dispensed with; consequently the rains could not be taken advantage of for the purpose of placing out and sowing.

The November rains were very extensive, so much so that some damage was done on the Reddipully and Pullempett plantations by the aloe-fencing being washed away, and the washing away of a good number of plants and seeds in the channelling on the former. There were small showers on the Camalapore plantation.

In December there was some rain on all the plantations in the Pullempett Taluq, after the cessation of which the Shettiguntah tank suddenly breached and inundated the south-east portion of No. I. plot and nearly the whole of No. II. The water remained stagnant for many days together on these plots, so that most of the young plants rotted and died away.

We may estimate a loss of about two-thirds of the younger plants, which will have to be replaced this coming season. Omitting these disasters, much good has been done to all the remaining plants on these plantations by these rains, and they may be said to be in a thriving condition. Camalapore plantation had no rain during the month of December.

VI. *Trivellum.*—This plantation is finished and in a flourishing condition; the trees range from 3 to 60 feet high from 1 to 6 years of age.

The sale of 20,000 of the largest trees on the plantation would, I think, at this minute realize fully as much as the whole plantation has cost, although the plantation is intended to meet the fuel requirements of the Madras Railway Company. I do not expect they will get much of the wood; for it will bring a much larger return if sold as posts, rafters, etc.; and good cheap building timber is so scarce in this district that I anticipate a large demand for this wood for building purposes.

VII. *Veringepoorum.*—There will be a pretty large expenditure required for the next three or four years for the up-keep of this plantation; the plants all being small, and requiring great care and careful watering for three or four seasons.

VIII. *Cheynoor.*—I do not anticipate very rapid growth from the trees on this plantation, the soil being not of the best kind; but if the plants are healthy and show a moderate growth, I shall be satisfied; and at present they are as healthy as it is possible to wish.

IX. *Gazerlamundum.*—This plantation was commenced and finished during the season. The plants are healthy and growing vigorously.

X. *Thengal.*—We occasionally sent a few coolies from Trivellum to work on this plantation, and no expenditure was incurred until November, when I thought it expedient to engage two coolies permanently to take care of the place.

OOTACAMUND,
1*st April* 1873.

(Signed) R. H. BEDDOME, Major,
Inspector of Forests.

Proceedings of the Madras Government, Revenue Department, 23rd May 1873.

No. 170. ORDER THEREON, 23rd May 1873, No. 523.

Forests, No. 6.

COMMUNICATED to the Board of Revenue with copies for distribution to the Collectors of the districts concerned.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Board of Revenue.
,, the Inspector of Forests.

Exd. F. R. Bantleman.

Office of Inspector of Forests.

No. 1751. Cotacamund 1st April 1873

From

Major R. H. Beddome

Inspector of Forests.

To,

D. F. Carmichael Esqre

Secretary to Government

R. D.

Sir,

I have the honor to forward the Railway fuel plantation Report of the Cuddapah, Bellary, Chooty and North Arcot Districts for the quarter ending 31st December

December 1872.

I have the honor to be,

Sir,

Your Most Obed.t Serv.t

Major

Inspector of Forests.

G.O. 21 Lany/73 No 151-2

Revenue 1873-74. Oct. No. 975.

Forest Department

From

The Inspector of Forests

To, The Secretary to Govt. R.D.

Dated 1st } April 1873.
Received 4th }

P.C. No. 523 - 28th May 1873

No. 1751.

Enclosure No. 1.

Subject

Submits the Railway Fuel Plantation Report for the quarter ending 31st December 1872.-

No. 169-170

C 17 April 73 - R. 23 May

C17 Coll 73 - A. 23 Main

Continued

Plantations	Acreage	Name of	Expenditure. Planting Charge (including pitting and channelling)	Fencing	Establishment Permanent	Establishment Hired.	Total.	Receipts	Number of trees planted and casualties replaced	Number of Casualties that occurred in the quarter.	Number of trees permanently established.	Expenditure from Commencement
		II. Railway fuel Plantation containing the undermentioned species	10	----	----	25.0.0	115	----	1162			
		1. Albizzia Lebbeck										
		2. Acacia Arabica										
		3. Cassia florida										
		4. Pentaptera glabra										
		5. Sandra										
		6. Acacia tamara										
		7. Pomciana regia										
Reddiepully	92½	8. Cananga odorata	62.7.0.	-----	-----	52.0.0.	114.7.0.	-----	1693	803	26977	2349.4.5.
		9. Tamarindus Indica										
		10. Melia Azaderachta										
		11. Inga saman										
		12. Pithecolobium dulce										
		13. Casuarina equestifolia										
		14. Cassia fistula										
		15. Eugenia Jambolana										
		16. Victona grandis										
		17. Alangium decapetalum										
		III. Railway fuel Plantation containing the following species.										
		1. Albizzia Lebbeck	5	-----	---	----	12	---	---	---	---	---
Pallem Pett	40½	2. Melia Azadirachta										
		3. Pentaptera glabra	72.9.0.	---	---	52.0.0.	124.9.0.	---	4400	645	10514	5736.12.6.
		4. Casuarina equestifolia										
		5. Cassia florida	2	10 p	---	---	3	10 p	---	1000	---	11000
		6. Ficus glamerata										
		IV. Railway fuel Plantation containing the following species										
		1. Albizzia Lebbeck										
		2. Casuarina equestifolia										
Camalapore	24½	3. Cassia florida	50.4.0.	----	217.1.6.	----	267.5.6.	---	1569	1535	67463	7456.13.8.
		4. Acacia Arabica										
		5. Pithecolobium dulce										
		6. Melia Azadirachta										
		7. Inga saman										
		8. Acacia tamara										
		V. Railway fuel Plantation containing the following species.										
		1. Acacia Arabica										
		2. Melia Azadirachta										
		3. Albizzia Lebbeck										
Ghooty	60¾	4. Acacia tamara		----	217.1.7	----	217.1.7	---	4307	2575	45020	8319.5.3.
		5. Casuarina equestifolia										
		6. Inga saman										
		7. Tamarindus Indica										
		8. Cassia florida										

| | | |

in column 10 are the plants put out in=
=cluding casualties replaced, the former 3950
divided as follows - 1913 Albizzia Lebbek
1497 Melia Azadirachta & 570 Cassia florida
and for the latter 420.- 330 Albizzia Lebbek,
60 Melia azadirachta & 30 Cassia florida;
both in pits and channels.- Of the casualties
120 were of the Albizzia Lebbek, 25 Inga
saman, 110 Cassia florida and 390 Melia
Azadirachta- 969 plants watered - 26 Pits
excavated - 207 chains channelling were sown
Of Albizzia Lebbek 60½ Acacia Cuara 48½,
Acacia Arabica 50, and Melia Azadirachta
48 chains.- 61 nursery beds were added and
sown with seeds Viz 24 Albizzia Lebbek 31
Melia Azadirachta and 1 Cassia florida.
Of the 4400 planted out 2970 were put into
114 channels of 133 chains measurement (c.c.)
1566 Albizzia Lebbek in 7 channels of 68 chains
1168 Melia Azadirachta in 6 channels of
64 chains, and 256 Cassia florida in 1
channel of 11 chains.- The remainder 1430 were
put into pits.-

IV. Camalapore.- 100 Casuarina Equisi=
=folia and 30 Cassia florida plants were
put out.- Casualties replaced 414
Casuarina Equisetifolia and 1125 Melia
Azadirachta - 400 pits were excavated

500

500 plants watered - 200 chains channelling
weeded - 10355 plants weeded round and
cleared of brushwood and 103 chains
Fencing repaired.-

V. Ghooty - Of the 4307 plants shewn
in the column 10 - 1567 were casualties -
replaced by Melia Azadirachta and
the remainder 2740 transplanted out
from the nursery as follows -
120 Albizzia Lebbeck, 2020 Melia Aza=
=dirachta and 600 Canaga odorata. 2020
pits were excavated for transplanting
into 1200 transplanted plants weeded
around and cleared of brushwood. 550
chains of channelling weeded and cleared,
and 80 chains of aloe fencing that was
damaged by rain &c repaired.-

The amount shown in Columns 6&8
shew the amount expended for the paid
Establishment Viz 1 Overseer at Rs 50 - 1
Head Gardener at Rs 10 - 1 Peon at Rs 7 -
and 3 under Gardeners at Rs 6 each per

mensem

menseum; and as the Overseer in charge of the Camalapore Plantation in the Cuddapah District also; his salary and the peons has been equally distributed to show the cost, or rather the legitimate Expenditure on this plantation. By an oversight the salary of the Overseer from 17th August to 30th September 1872 and the peons from 1st July to 30th September 1872 was not divided and included in the 2nd Quarterly Report ending 30th September 1872 which was embodied in the General Quarterly Report for that quarter and sent to the Collector of Cuddapah, as was then the practice. This sum has also found a place under the head of Expenditure in this Report.

The salaries of the Overseer and peons up to date are drawn from the Treasury in the Cuddapah District on abstract and paid to them, as well

as the Gardeners up to and of October 1872 when the Collector of Cuddapah objected to pass the B Salary List for the Gardeners and that from November 1872 the amount of Rs 28 is being drawn from the Ghooty Treasury

Rupees 23-7-6 is still due to the Coolies on the Plantation, which has not yet been adjusted and properly belongs to this quarter in consequence of its not having yet been paid, it does not find a place here.

Though it rained in October and November we could not take advantage of the season for planting out to any extent, or sowing of seeds in channels for want of funds. There was no rain in December. The rains in the previous months tended to do much good to the plants put out recently and the established ones

ones, but as the hot months are commencing they will have to be looked after by watering.

(2) There was rain on all the Plantations situated in the Pullumpett taluq in the months of October, November & December '92, but from the want of funds in the early part of the quarter nearly all the coolies with the exception of a sufficient number to keep up the nurseries and do other necessary works, were dispensed with, consequently the rains could not be taken advantage of for the purpose of planting out & sowing.

The November rains were very extensive, so much so, that some damage was done on the Reddipully and Pullumpett plantations by the aloe fencing being washed away, and the washing away of a good number of plants and seeds in the channelling on the former. There were small showers on the Camalapore plantation.

In December there was some rain on all the plantations in the Pullumpett taluq after the cessation of which the

Shettiguntah tank suddenly breached and inundated the South East portion of No I plot and nearly the whole of No II. The water remained stagnant for many days together on these plots so that most of the young plants rotted and died away.

We may estimate a loss of about 2/3rds of the younger plants, which will have to be replaced this coming season. Omitting these disasters much good has been done to all the remaining plants on these plantations by these rains and they may be said to be in a thriving condition.

Camalapore plantation had no rain during the month of December.

VI Trivellum. This plantation is finished and in a flourishing condition, the trees range from 2 to 6 feet high from 4 to 6 years of age.

The sale of 20000 of the largest trees on the plantation would, I think at

at this minute realize fully as much as the whole plantation has cost, although the plantation is intended to meet the fuel requirements of the Madras Railway Company, I do not expect they will get much of the wood, for it will bring a much larger return if sold as posts, rafters & and good cheap building timber is so scarce in this district that I anticipate a large demand for this wood for building purposes.-

VII. Veringepoorum.- There will be a pretty large Expenditure required for the next 3 or 4 years for the upkeep of this plantation, the plants all being small and requiring great care and careful watering for 3 or 4 seasons.

VIII. Cheynoor.- I do not anticipate very rapid growth from the trees on this plantation the soil being not of the best

best kind but if the plants are healthy and shew a moderate growth I shall be satisfied and at present they are as healthy as it is possible to wish.-

IX.- Gazerlamundum.- This plantation was commenced and finished during the season. The plants are healthy and growing vigorously.-

X.- Thingal.- We occasionally sent a few coolies from Trivellum to work on this plantation and no expenditure was incurred until November when I thought it expedient to engage two coolies permanently to take care of the place.-

Vice of Inspector of Forests.
Tiacamund 1st April 1873.

R W Beddome Major
Inspector of Forests.

Revenue Department.

No. 523.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 23d April / May 1873.

Read the following letter from the Inspector of Forests.

Submitting the Railway first Plantation Report for the Quarter ending 31st December 1872.

H. E. 1st April 1873, No. 1757

Communicated to the Board of Revenue, with copies for distribution to the Collectors of the districts concerned.

14 To the Board of Revenue & June
3 " the Inspector of Forests

4th

Re. 975/73.

Enclosure

Re a letter No. 1757 dated 1st April 1873 from the Inspector of Forests to the Secy to Govt P.W.D.

6/1/82 2000
RH

L:169-170 85
8/25/10

RH 12.23 Thurs