M.R.O. 1—38,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 2742 Press Mis.

83-84

Dated 7th October 1918.69

Not to be folded or roughly handled

No. 83. Read the following letter from Major R. H. BEDDOME, Officiating Conservator of Forests:—

Submitting his Annual Report for 1868-69. | (Here enter 1st April 1869.)

No. 84. ORDER THEREON, 7th October 1869, No. 2,742.

Forests, No. 8.

BEFORE proceeding to review the administration of the Forests during the past official year, the Government desire to draw the attention of the Officiating Conservator to certain improvements in form of which the Reports, as now submitted, are susceptible, and to sketch briefly a plan on which they should be re-modelled for the future.

2. Major Beddome's Report under review is merely a condensed statement of operations and results under the head of each range. The Returns received from the various range officers, are not embodied in an Appendix, as has hitherto been usual. This important omission should be rectified hereafter, and, in place of an Abstract, the body of the Administration Report should be composed of a carefully considered Synopsis of the year, written by the Conservator himself, and drawn up more with an eye to generalization than topographical detail. It might, with advantage, be arranged under the following heads:—

I. Inspection tours of the Conservator.
II. Plantations and nurseries.
III. Reserved forests.
IV. Forests worked under the License and Voucher-system or by leases.
V. Yield of the forests.
VI. Contemplated operations.
VII. General remarks in which the progress made during the year should be specially noted.
VIII. Financial results.

It is only by following a scheme such as this, that the Conservator can give the Government the full benefit of the experience which he has drawn from various districts.

3. The financial results under the head of each range, after being checked by the Conservator, will appear in the Appendix. But hitherto the expenditure for the year has not been given under the various heads of felling, planting, etc. This should be done for the future, in order that deficits, when such occur, may be satisfactorily accounted for.

4. The total financial result of the year is a net profit to Government of Rupees 51,051 against Rupees 67,624 in 1867-68. The former amount has been materially reduced by the defalcations of Overseer Turnbull.

5. On the whole, and with the notable exception of the Neilgherries, planting operations during the year have proved a failure. The Government view this fact with much concern, and hope that the next year will exhibit an improvement. The planting of indigenous trees was attempted in the jungles of Nellambur, but unsuccessfully. Failure in most instances is attributed to exceptional drought,

and for this reason more prosperous results may be reasonably expected in future. As yet but few district possess fuel-reserves, Colonel Morgan, who was unable to find a site at Cauveripooram, has been more successful at Bhowani, and it is to be hoped that the formation of a fuel-reserve in the Bhowani range, which has been long under abeyance, will soon be carried out. The Government have already urged upon the Officiating Conservator the vital importance of conserving the natural firewood-supply, and supplementing it by artificial plantations, with the view of meeting the requirements of the railway. In the ranges of Goomsoor, South Arcot, Tinnevelly, the Annamalays, and the Wynaad, nothing appears to have been done towards re-production. If this be really the case, the omission deserves the notice of the Officiating Conservator. In Seegur, Bhowani, and Collegal, some progress has been made with Sandal-wood plantations. The extension of this remunerative timber should be pushed on with celerity in all tracts where it is found to thrive. In Kurnool the teak plantation proved a failure, but Mr. Sheffield has established a very good plantation for avenue purposes. Generally speaking, the impression left by Major Beddome's Report is, that re-production has not been adequately promoted. The Government trust that the Officiating Conservator will inculcate upon his subordinates the necessity, which has now become urgent, of attending to this most important branch of forestry.

6. In the ranges of Goomsoor, Cuddapah, Kurnool, North Arcot, and Tinnevelly, the License and Voucher-system is still retained. The formation of reserves, however, appears to be contemplated in Kurnool, and the Government recently sanctioned the demarcation for this purpose of a tract on the Nullamallays. It is matter for regret that the departmental working, which has lately been introduced into the Trinomallay Talook of the South Arcot District, has not proved popular, and the Government would be interested in hearing the causes of dissatisfaction.

7. The administration of the Golcondah forests, which is vested in the Collector, does not appear to be energetically conducted. The receipts which are very small and much less than those of the preceding year, are more than doubled by the expenditure. In 1865 Mr. Carmichael spoke highly of the timber-producing qualities of these forests. The Collector of Vizagapatam will now be called upon for a report on their present condition.

		1867-68.	1868-69.
		RS.	RS.
Golcondah	Receipts ...	1,347	377
	Expenditure	1,238	904

8. With reference to para. 91 of the Report, the Acting Collector of Coimbatore has already been requested to expedite the demarcation of the forest-land, for which a Cowle Puttah was granted by a former Collector, and which is now in the possession of Audoo Sait. It is hoped that Mr. Sullivan has, by this time, succeeded in placing the settlement of this long-pending question upon some definite footing.

9. The importation of English and Australian trees to the Neilgherries has evidently engaged a large share of Major Beddome's attention. The Government have read with interest this portion of his Report, and desire to place on record their appreciation of the botanical knowledge which he has brought to bear in developing the resources of the hills.

Proceedings of the Madras Government, Revenue Department, 7th October 1869.

10. Major Beddome's proposals for checking the destruction of the Catechu-tree in South Canara, are doubtless well grounded.

11. The remaining questions mooted by the Officiating Conservator are either now under the consideration of the Government, or have been already disposed of.

(True Extract.)

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

To the Officiating Conservator of Forests.
,, the Board of Revenue.
,, the Collector of Vizagapatam.
,, the Collector of Coimbatore.

Exd. F. R. Bantleman.

Govt. of {1869} Madras.

REVENUE.

To

THE OFFICIATING CONSERVATOR OF FORESTS,

&c., &c., &c.

Dated October, 7th.

Recd. Sect.

G. O., 7th October 1869, No. 2,742.

OCTOBER.

Nos. 39-34.

* Forest administration for 1868-69.—Officiating Conservator's letter submitting the report reviewed.

REPORT

OF THE

CONSERVATOR OF FORESTS,

FOR THE

OFFICIAL YEAR

1868-69.

MADRAS:

PRINTED BY H. MORGAN, AT THE FORT ST. GEORGE GAZETTE PRESS.

1869.

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1869.

OFFICE OF CONSERVATOR OF FORESTS:
CAMP OOTACAMUND, 1*st April* 1869.

From

MAJOR R. H. BEDDOME,
Officiating Conservator of Forests;

To

R. A. DALYELL, ESQ.,
Acting Secretary to Government, Revenue Department,
Fort Saint George.

SIR,—I have the honor to forward the Annual Report of my Department for 1868-69.

2. In May I visited the Bolamputty and Sholay Kurray Forests, and in June the Salem Range, in July the Denkenacottah Forests, and in August the Anamallay and Cuddapah Forests, and proceeded on a tour through the Bellary District with a view to selecting sites for locomotive fuel plantations. In September I went a tour with Captain Seaton, the Conservator of Forests in Burmah, and we visited the Nellambur plantations, a part of Wynaad, and the plantations on the Neilgherries. In October I again visited the Bolumputty Forests and the Anamallays and the new ghaut operations, and in November and December the forests of the Madura District. In January and February I was engaged in a tour in South Tinnevelly, and in March I visited the Wynaad Forests and the depôts in Mysore, the different plantations on the Neilghirries were also constantly visited.

3. GOMSUR.—*Superintendence.*—These forests have remained under Overseer MacCally during the year.

4. *Increase to Establishment.*—The Overseer was promoted to 1st Class on the 1st April 1869, and then was also a small addition made to the pay of the peons, etc., (Vide G. O. No. 2,533, dated 2nd October 1868).

5. *Operations.*—Conservancy was well attended to. The forests remain under the Voucher and License system, but some tracts are reserved and worked departmentally, and the Department Public Works have been allowed to fell in some cases.

6. *Village Fires.*—The Overseer reports that Village fires are very prevalent, and that they generally occur from gross carelessness, and that the custom of giving timber free of any seignorage for the rebuilding of all houses destroyed in this way greatly tend to enhance the number of the annual fires. 502 houses were burnt during the year, and 2,247 bandy loads of timber granted free in consequence.

7. *Theft, Mischief, etc.*—Seventy-three persons were prosecuted during the year for Forest Offences and in all cases sufficient punishment was awarded.

8. *Health of Establishment.*—This was bad, fever having been very prevalent.

23. KURNOOL.—*Superintendence.*—Mr. Sheffield has remained in charge of these forests throughout the year, they are still worked almost entirely on the Voucher and License system.

24. *Operations.*—The usual clearing of creepers and undergrowth, etc., has been carried out, but the Assistant Conservator reports that conservancy has not received as much attention as he could wish, as the establishment has been much disorganized by fever.

25. FOREST MAP.—*Demarcation, etc.*—The Assistant Conservator has drawn up a very good Forest Map, but it has not yet been lithographed. Blocks of forests for the manufacture of charcoal for the iron forges have been marked out, and felling for this purpose is restricted to these tracts. The forests have also been divided into three divisions, *viz.*; 1st, strictly reserved tracts for departmental felling; 2nd, forests open to Voucher and License; 3rd, forests open for free felling but also open to Voucher and License. The proposed reserved tract is about 20 square miles not one-fifth of the whole forest, and if the Collector sanctions it, it is proposed to obtain the sanction of Government for demarcating this portion and making it a strict reserve; it comprises the chief part of the forest between the Nundy Canama and the Yellagode Canama Ghauts. The rest of these hills will then be open to Voucher and License felling and the forests about the foot of the hills, a tract of about three miles in depth for free felling for the ryots, but felling on Voucher and License will also be allowed in the latter.

26. *Roads.*—The road sanctioned in the Government Order, No. 2,580, of the 1st November 1867, of which four miles were opened out last year has been completed during the year to the foot of the hills, a further distance of three miles, at a cost of Rupees 2,500, which sum was met from our Budget.

27. *Depôt.*—It has not been necessary to fell more timber for the depôt during the year; 4,000 cubic feet of timber which remained in the forest last year has been brought out to the Nundyal Depôt, 503 cubic feet have been supplied to the public, and 1,561 cubic feet to the Department Public Works.

28. *Telegraph poles.*—2,510 telegraph poles have been supplied during the year to the Telegraph Department, they were all cut from Chiriman (Anogeissus latifolius) a tree very abundant in these forests, to guard against wasteful felling they were all cut by the department.

29. *Elephants.*—The two elephants employed in these forests are a great expense; at some seasons there is a scarcity of water for them, and the demand for timber of large scantling is scarcely sufficient to authorize their being kept on in this district, they will, therefore, be removed next June or July to the Anamallays where their services are much required.

30. *Timber removed on License.*—The following has been removed from the forests during the year on Voucher and License by payment of seignorage.

Reserved timbers,	6,277	bandy loads.	
Unreserved do.	10,425	do.	
Bamboos	6,397	do.	and 7,969 Head loads.
Firewood	5,422	do.	
Charcoal	18,203	do.	

31. *Timber given free to ryots.*—960 bandy loads of timber and 1,042 bandy loads of firewood have been removed on free passes.

32. *Confiscations.*—These realized the sum of Rupees 1,125 of which 750 has been credited to Government, and 375 to informers. Mr. Sheffield reports that much assistance in detecting smuggling is rendered by the village authorities.

33. *Theft and Mischief.*—Twenty-eight cases—twenty-seven of which were for theft and one for mischief were tried during the year. In twenty-two cases in which forty-seven people were concerned, punishments of fine or imprisonment were awarded, six cases in which eleven people were concerned were dismissed.

34. *Cinchonas.*—The sixteen Cinchonas remaining at the end of last year all died off in the hot season, the climate is far too dry and no care could save the plants through the hot winds experienced in April and May, the experiment will not be tried again.

35. *Plantations.*—The Teak Plantation is a failure I am afraid; tolerably good Teak trees are occasionally found on these hills in ravines or under favorable circumstances, but in an open plantation every individual tree would require so much care and attention that the expense would be too great.

At Nundial Mr. Sheffield has a very good plantation for avenue purposes and it is well stocked with saplings of the following trees :—

Acacia speciosa. Darasan.
Melia Azadirachta. Yapa.
The Tamarind
The Wild Mango.
Thespesia populnea.
Casuarina muricata.
Millingtoma hortensis. The cork tree.
Acacia Arabica. Tuma.

Seeds of many different sorts of jungle trees have also been planted lately, and seeds of many sorts likely to answer are being procured from the Botanical Gardens in Madras and Calcutta.

36. *Health of Establishment.*—Fever of a very bad type is very prevalent in this district, Mr. Sheffield and all his establishment have suffered during the year. Four men have died.

37. *Financial Results.*

	RS.	A.	P.	RS.	A.	P.
Expenditure.						
Establishment	7,174	4	6			
Working charges*	7,335	3	2			
				14,509	7	8
Receipts.						
Seignorage	37,296	6	0			
Sale of depôt timber	541	6	8			
Timber for D. P. W.	2,017	1	4			
Confiscations	750	0	0			
Miscellaneous	441	0	0			
				41,045	14	0
				26,536	6	4
Balance in favor of Government						

* Of this ?,500 has been expended on a road from Nundial to the foot of the hills.

			RS. A. P.	RS. A. P.
Balance of timber in depôt on 31st March 1868	.....			26,536 6 4
Add difference in value*	.....		4,307 9 4	
	.....		938 14 8	
			5,246 8 0	
Deduct sold during 1868-69	2,493 8 0			
Do. destroyed by white-ants, etc., ...	199 10 8			
			2,693 2 8	
Balance of timber in depôt on 31st March 1869, viz., 2,042 $\frac{1}{16}$ cubic feet at Rupees 1-4-0 per foot	.....			
Decrease in stock	.....		2,553 5 4	
	.....		.....	1,754 4 0
Financial results for the year.....	.....		.....	24,782 2 4

38. North Arcot.—*Superintendence.*—These forests have been worked by Overseer Brougham under Mr. Yarde. At the end of the official year, he was promoted to First Class and transferred to the new Cuddapah and Bellary plantations. With the exception of a small depôt, the forests are entirely worked by Voucher and License.

39. *Goodiathum forests transferred by Government but not handed over by the Collector.*—A tract of forests near Goodiathum has always been under the Jungle Conservancy of the Collector of North Arcot, it prevented our establishments of North Arcot, and Salem joining, and considerably affected conservancy as reported by the Forest Officers of Salem and North Arcot. Mr. Wright, the Locomotive Superintendent, also brought to notice that an immense amount of Railway fuel was brought from this tract, these facts were brought to the notice of Government and the Board, and the tract was transferred to our Department—*Vide.* G. O., No. 2,909, of the 20th of November 1868, and an establishment was subsequently sanctioned. The Collector, however, has not handed them over up to date; there is no establishment to supervise operations in this tract, and it has lately come to light that large frauds have been committed and that millions of pounds of fuel have been brought into the Railway depôt at Amboor without any payment for seignorage to Government.

40. *Other tracts under the Collector.*—There are other valuable tracts of forest in this district under the Collector's management, it renders conservancy much more difficult, and if they are to remain so, a proper establishment should be organized, our seignorage rates and rules should be put in force and our Officers should be kept informed of all that goes on. Special reports on this subject and that of jungle conservancy under Collectors in general are now before Government and the Board.

41. *A depot to be formed for Red Sanders roots and stumps.*—The Red Sanders roots and stumps are about to be collected departmentally and a depôt is being formed at Ballapilly.

42. *Timber Depot.*—It was not found necessary to add any timber to the depôt during the year.

* Last year valued at one Rupee in forests, this year at Rupees 1-4-0 in depôt.

43. *Confiscations.*—The sale of confiscated timber during the year realized Rupees 385-10-1.

44. *Theft and Mischief.*—Eighteen cases, almost all for theft of timber, were prosecuted before the Magistrate during the year. In eleven cases in which forty people were concerned punishment was awarded, seven cases in which ten people were concerned were dismissed. Much injury is done to our nurseries and plantations by cattle trespass, and cattle continue to do much damage in the forests.

45. *Free Passes for timber.*—101 bandy loads of timber and 129 bandy loads of bamboos were given on free passes during the year.

46. *Plantations.*—The season has been unusually dry and unfavorable for planting operations.

In the Teeroovalum Casuarina Plantation, 7,110 young plants were put out, from which number about 300 casualties occurred, a few vacancies also occurred in last year's planting; the nursery beds contain about two lacs of plants and some 15,000 are of sufficient size for putting out with the first rain, a small extension to this plantation was made during the year and it was fenced in. Slight damage is committed by a species of Borer. A small plantation has been formed at Ammerdy near Vellore, in this several species of jungle trees and avenue trees are growing well, and experimental sowing of various trees fit for avenue or ornamental purposes is carried on in the nurseries.

Two more blocks of land fit for Casuarina planting have been selected and surveyed and the plans forwarded to the Collector, and the department is in communication with that Officer with respect to a transfer of the same.

47. *Health of Establishment.*—This has been on the whole good, but a Duffadar at Kirkumbady died of jungle fever.

48. *Financial Results.*

		RS. A. P.	RS. A. P.
Expenditure.			
Establishment		2,733 0 0	
Working charges		2,454 2 9	
Contingencies		0 15 0	
			5,188 1 9
Receipts.			
Seignorage on timber		4,047 13 6	
Do.	firewood	2,414 8 6	
Do.	bamboos	3,671 15 0	
Do.	charcoal	492 11 0	
Do.	miscellaneous	105 2 0	
Do.	confiscations	385 10 1	
Do.	sale of depôt timber...	8 0 0	
			11,125 12 1
Balance in favor of Government.....		.....	5,937 10 4
Balance of timber on hand 31st March 1868		627 3 4	
Deduct sold		8 0 0	
Balance of timber on hand 31st March 1869		619 3 4	
Deduct deficiency in stock.....		.....	8 0 0
Financial Results for 1869-70.....		.....	5,929 10 4

49. South Arcot.—*Superintendence.*—These forests have been worked by Overseer Ramiah under Lieutenant Walker. Much attention has been paid to systematic felling and the careful checking of licenses, etc.

50. *Departmental Working.*—The Departmental working which was introduced last year into the Trinomallay Talook is not popular, and the demands on

our depôt are small, this, however, was to be expected at first. A timber shed has been erected at Chengam, and a wood yard has been fenced in.

51. *Depot.*—1365 cubic feet of timber were felled and stored in depôt during the year, 1,332 cubic feet were sold to merchants, realizing Rupees 759-9-0, 124 cubic feet remain in stock.

52. *Timber removed on License.*—139 Bandy loads of timber, 1,096 of firewood, 1,275 of bamboos, 196 of bark and 73 of charcoal, 961 head loads of timber, 5,127 of bamboos, and 1,571 of charcoal have been leased out for one year as an experiment.

53. *Free passes.*—632 bandy loads of timber and 190 of bamboos and 65 of firewood were granted on free passes to ryots.

54. *Confiscation.*—The confiscations sold for the sum of Rupees 173-6-4, of this Rupees 142-2-2 were credited to the depôt, and Rupees 31-4-2 to informers.

55. *Theft and Mischief and breaches of Forest Rules.*—Seventeen cases in which Seventy-two persons were concerned were brought before the Magistrates, sixty-three persons were punished and nine acquitted, the punishments, as a rule, were too light.

Forty-three cases were settled departmentally in forty-one timber, etc., was confiscated and in two it was released.

56. *Firewood Jungles and proposed Plantations.*—The firewood jungles of this district have been carefully explored by the Officer in charge, and his report forms appendix.

Plantations for Railway fuel will be necessary; there are admirable sites both for planting Casuarinas and for general planting; the subject is under consideration and will be specially reported on, if the plantations are placed under the Special Department; the firewood jungles should also be transferred to it.

57. *Health of Establishment.*—This has been good upon the whole.

58. *Financial Results.*

	RS.	A.	P.	RS.	A.	P.
Expenditure.						
Establishment	2,469	2	0			
Working charges...	720	9	5			
				3,189	11	5
Receipts.						
Sale of timber from depôt	757	9	0			
Seignorage on timber, bamboos, &c..	2,059	2	0			
Confiscations...	142	2	2			
Miscellaneous	262	8	0			
				3,221	5	2
Balance in favor of Government				31	9	9
Balance of timber in depôt on 31st March 1868	44	0	0			
Add felled during the year	1,023	13	8			
				1,067	13	8
Deduct timber sold during the year	757	7	9			
Deduct loss and difference of rates	216	10	9			
				974	2	6
Value on hand on 31st March 1869 ...				93	11	2
Add additional stock of timber ...				.....		
Financial results for 1868-69, profits.				49	11	2
				81	4	11

59. *Madura.*—Mr. Turnbull was removed to the Wynaad Range in May last, and Lieutenant Fullerton assumed charge of this range and Tinnevelly in June, he had a great deal of travelling over his districts and contracted jungle fever which was followed by incessant diarrhœa, from which he died in March; he is a great loss to the Department. Lieutenant Walker was then nominated to the united ranges but he had not joined at the close of the official year. Overseer Appavoo has remained in charge since Lieutenant Fullerton's death and he has submitted the Annual report.

60. *An Overseer appointed.*—Overseer Appavoo was appointed as a 3rd Class Overseer for this range under the Deputy Conservator, and joined on the 23rd of September 1868, he has been a long time in the department as Head Writer to the Conservator, and in the Central Office and has considerable experience.

61. *Depôts.*—During the year 1,255 cubic feet of Vengay were felled and brought to the Cumbum depôt. Rupees 7,050 were realized by the sale of timber. A depôt is about to be formed at Periakolum.

62. *Licenses.*—During the year Rupees 3,327-15-0 were realized by the sale of Licenses.

63. *Plantations.*—A small Teak plantation has been commenced near Cumbum.

64. *Theft and Mischief.*—Only 5 cases in which eleven people were concerned, were prosecuted during the year, one was dismissed and in the other four punishments of fine and imprisonment were awarded.

65. *Financial Results.*

Expenditure.	RS.	A.	P.	RS.	A.	P.
Establishment.....	4,845	9	0			
Working charges....	1,212	4	7			
Contingencies.....	75	11	5			
				6,133	9	0
Receipts.						
Sale of timber from depôt.....	7,050	0	0			
Seignorage...	3,327	15	0			
Confiscations...	144	12	0			
				10,522	11	0
				4,389	2	0
Balance in favor of Government	.....					
Value of timber on hand on 31st March 1868.....	7,367	1	6			
Add felled during 1868-69.	3,203	11	11			
	10,570	13	5			
Deduct sold during the year.....	8,682	11	5			
Balance on hand on 31st March 1869	1,888	2	0			
Deduct deficiency in stock.....	.....			5,478	15	6
Financial results. Deficiency.....	.....			1,089	13	6

66. TINNEVELLY.—*Superintendence.*—Lieutenant Fullerton joined the range in June, and the forests of South Tinnevelly from Courtallum down to Tricknagoody were handed over to the Department. At Lieutenant Fullerton's death in March,

Lieutenant Walker was appointed to the Range, he had not joined at the close of the Official year and the forests remained under the Collector, hence the absence of an Annual report.

67. *Establishment.*—Mr. Newman, a second class Overseer was appointed to this Range under the Deputy Conservator, and joined on the 21st of September 1868, he has had a good training in planting operations on the Neilgherries.

On the 16th March 1869 the whole establishment was remodelled (*vide* G. O. No. 699 of that date) and now stands as follows:—

	RS.
1 2nd Class Conservator	700
1 2nd Class Overseer	80
Travelling allowance of do	30
68. *Paupanassum and Alwarcoorchy.*	
1 Maistry	15
12 Peons at 6 Rupees each	72
69. *Calcad.*	
1 Maistry	15
5 Peons at 6 Rupees each	30
70. *Wartrap and Vasaderanulur.*	
3 Maistries at Rupees 15 each	45
12 Peons at 6 Rupees each	72
	1,059

71. *Conservancy.*—Conservancy is quite in its infancy in this Range, Lieutenant Fullerton had made a careful tour through the whole Range in a great part of which he was accompained by the Conservator and schemes were in hand for more systematic conservancy and the formation of depôts, this work will now devolve upon Lieutenant Walker who is well qualified for it, from his experience in Salem.

72. *Theft and Mischief.*—8 cases in which 42 persons were concerned were tried before the Magistrates, in 5 cases in which 25 persons were concerned, the parties were punished with fine and imprisonment; in the other 3 cases in which 17 people were concerned, confiscation only was ordered. The punishments were ample.

73. *Financial Results.*

	RS. A. P.	RS. A. P.
Expenditure.		
Establishment	6,936 10 8	
Contingencies	64 3 8	7,000 14 4
Receipts.		
Seignorage on timber	13,453 4 6	
Confiscation	243 8 2	
Miscellaneous	11 1 3	13,707 13 11
		6,706 15 7
Balance in favor of Government		

74. ANAMALLAYS.—*Superintendence.*—These forests have remained under Captain Gosling during the year.

75. *New ghaut road.*—A very good ghaut road from the foot of the timber slip to the entrance of the Teak Forests was constructed during the year at the small cost of Rupees 4,009 Greatercredit is due to Captain Gosling from the small cost at which

it has been constructed; the gradient is an average of 1 in 18, and nowhere more than 1 in 12.

76. *Forest Roads.*—A new road through the forests above ghaut from Puliaddy to the head of the timber slip was completed during the year, it is a saving of nearly 3½ miles over the old road.

77. *Road below ghaut.*—The road from the timber slip toward Mungarah, and Palghaut was repaired by the Department as far as Chumnampaddy at a cost of Rupees 570-2-0.

78. *Operations.*—On account of the large stock of timber still in the forest depôts, no felling took place during the year.

79. *Carting.*—The Government Cart Establishment conveyed 587 logs, and dockyard planks containing 8,805, cubic feet from the depôts in the forest to the head of the ghaut, 885 pieces (side slabs, small logs and refuse planks) containing 12,825 cubic feet from the foot of the ghaut to Annamallay village, 82 logs and planks containing 1,312 cubic feet from foot of ghaut to the Mungarah floating station, and 24 Rosewood logs containing 480 cubic feet and 8 Vengay logs containing 128 cubic feet from Sholay Kurray to the Railway station at *Walyar*.

80. The cart contractors carted 509 planks and logs containing 7,635 cubic feet from the foot of the ghaut to Mungarah at a cost of Rupees 2,414.

1,210 planks were floated from Mungarah to Ponany on the western coast.

81. *Slipping.*—600 logs and planks were slipped by the Government elephants.

82. *Forest fires.*—No loss occurred to any of the timber from the annual fires.

83. *Seignorage.*—The seigniorage collections amounted to Rupees 2,679-11-3.

84. *Sales.*—Auction sales of inferior timber realized Rupees 3,087-6-2 from depôt.

Sales from the forest depôts realized Rupees 19,567-2-6.

Timber to the value of Rupees 44,731-6-1 was supplied to Public Departments during the year, but the accounts, etc., were not settled at the close of the official year.

85. *Ponachy Forests.*—The felled timber in these forests was not found to amount to more than 10,000 cubic feet, so Government only allowed Mr. Lowry a compensation of 3,000 Rupees in lieu of 5,000; unless a road is made up the ghaut it will be both difficult and expensive to remove this timber.

86. *Health of establishment.*—Jungle fever was prevalent as usual, and several of the subordinates of the establishment were carried off.

87. *Demands for timber exceed supplies in depot.*—The demand of the Bombay Marine and Gun Carriage, and the Madras Department Public Works and Gun Carriage Departments exceed the stock of timber now in depôt, and felling will have to take place during the ensuing season.

88. *Loss by tigers.*—Several casualties have occurred amongst the cattle of the establishment from tigers.

89. *Financial results.*

	RS. A. P.	RS. A. P.
Expenditure.		
Establishment	10,997 0 4	
Contingencies	135 13 6	
Working charges	19,911 12 11	31,044 10 9

Receipts.

	RS.	A.	P.	RS.	A.	P.
Timber sold from depots	24,722	1	6			
Seignorage	2,679	11	3			
Auction sales	3,087	6	2			
				30,489	2	11
Balance against Government.	.....			555	7	10
Timber in depôt on 31st March 1868	2,16,546	12	0			
Deduct timber sold in 1868-69	24,722	1	6			
Balance in hand 31st March 1869	1,91,824	10	6*			
Deficiency in stock	... .			24,722	1	6
Financial results	.....			25,277	9	4

90. Bolumpatty, Sholay Kurray and Chenat Nair.—*Superintendence.*—These forests were worked during the year by Overseers Mootoosawmy and Lloyd, under Captain Gosling.

91. Bolumpatty.—*Tract of forest in dispute.*—The claim of one Andu Sait, a Coimbatore merchant to a tract of forest on the Bolumpatty hills has not yet been settled, though repeated references have been made to the Collector and the Conservator, twice visited the tract, a much larger portion than was before supposed is now claimed, and felling operations cannot be carried on in a large area until the boundaries are settled.

92. *Seignorage.*—A revenue of Rupees 3,206-5-3 was realized by the sale of Licenses against Rupees 1,310-1-9 the cost of establishment.

93. Chenat Nair.—*Operations.*—In these forests 52 large rose wood logs and 32 jungle wood logs were felled for the Bombay Marine.

94. Sholay Kurray.—*Operations.*—*Slipping* 73 logs of rose-wood and 9 of jungle wood felled last year were slipped by Elephants.

95. *Carting.*—81 logs of rose-wood, 39 of Vengay, 9 of jungle wood, 91½ pairs of spokes and felloes, 2,685 cubic yards of fuel were carted by Contractors from the foot of the ghauts to the Railway station of Walyar.

96. *Felling.*—4 rose wood logs, 3 Vengay and 9 jungle wood were felled, and 91½ pairs of spokes and fellows were prepared from old teak stumps.

97. *Fuel Reserve.*—This has been trenched and fenced in on the eastern and western sides at a cost of Rupees 950-12-2. The northern side is shut in by the hills, and the southern by the Railway, the conservancy of the existing timber has received attention, and a nursery has been formed for extending planting operations.

98. *Financial results.*

Expenditure.

	RS.	A.	P.	RS.	A.	P.
Establishment	2,850	1	9			
Contingencies	140	1	7			
Working charges.....	5,175	15	2			
				8,166	2	6

* N. B.—Of this Rupees 44,731-6-1 the value of Timber supplied to Government Departments will be accounted for in the accounts for 1869-70.

Receipts.

	RS.	A.	P.	RS.	A.	P.
Timber sold from depôt.....	1,286	0	0			
Seignorage...	3,191	5	3			
				4,477	5	3
Balance against Government.	.....			3,688	13	3
Timber in depot on 31st March 1868.....	6,791	12	0			
Add Timber felled during 1868-69	8,166	2	6			
	14,957	14	6			
Deduct sold in 1868-69.....	1,286	0	0			
Timber on hand 31st March 1869.....	13,671	14	6*			
Deduct deficiency in Stock ...	.....			6,880	2	6
Financial results	.....			3,191	5	3

99. Mudumallay.—*Superintendence.*—These forests have remained under Colonel Morgan during the year, and been worked by Overseer Iyasawmy Naick.

100. Operations.—*Felling.*—23,460 cubic feet of Teak, Vengay and jungle wood was felled and stored during the year at a cost of 2,313-8-10; the felling was very limited as there is still a large stock of timber on hand.

101. *Dragging.*—The elephants have dragged 45,587 cubic feet of timber from the forests to the road.

102. *Carting.*—The cart establishment has carted 38,742 cublic feet of timber from the forest depôts to Tippacadu, Seegoor and other depôts on the high roads, the value of the work performed is estimated at Rupees 9,946, against the cost of the establishment which was Rupees 6,794.

103. *Teak Plantations.*—The growth of the trees in the plantation at Mudumallay is fair.

A second small teak plantation is about to be formed at Bennie further west in the forest and more under the influence of the south west monsoon.

104. *Sales.*—Timber to the value of Rupees 3,545-11-5 has been sold to the public.

Rupees 538-0-4 has been realized by seignorage, etc.,

24,555 cubic feet of Teak have been supplied to the Public Works on the Neilgherries and 4,935 cubic feet to the Public Works in Wynaad, making a total of 29,490 cubic feet valued at Rupees 56,758-2-4.

105. *Want of a Labor Contract Law.*—Colonel Morgan much complains of this want of his report, all his cart contractors desert him during the coffee carting season, with a Contract Law he is in favor of the advance system.

106. *Health of Establishment.*—Fever has been prevalent as usual, besides Dysentery and Measles.

107. *Theft and Mischief.*—There were no prosecutions.

108. *Financial Results.*

	RS.	A.	P.	RS.	A.	P.
Expenditure.						
Establishment.....	17,306	8	9			
Contingencies.....	160	6	0			
Working charges.....	32,327	11	10			
				49794,	10	7

* N. B.—Of this Rupees 8,798-14-1 the value of Timber supplied to Government departments will be accounted for in the accounts for 1869-70.

130. *Sales.*—Sandal-wood to the value of Rupees 14,026-4-0 was sold to merchants.

131. *Financial results.*

	Rs.	A.	P.	Rs.	A.	P.
Expenditure.						
Establishment	2,400	0	0			
Working charges	4,406	7	3			
Contingencies	0	0	0			
				6,806	7	3
Receipts.						
Sale of Sandal wood	14,026	4	0			
Seignorage	1,166	5	9			
Miscellaneous	146	0	0			
				15,338	9	9
Balance in favor of Government.				8,532	2	6
Balance of timber in stock 31st March 1868	2,610	15	0			
Add felled during the year	13,566	11	6			
	16,177	10	6			
Deduct sold	14,026	4	0			
Balance on hand 31st March 1869.	2151	6	6			
Deduct deficiency in stock				459	8	6
Financial results for 1868-69				8,072	10	0

132. *Neilgherry Sholas.*—The Sholas remained under Colonel Morgan during the year and operations were conducted by Overseers Newman and Taylor; at the end of the Official year, they were all handed over together with the establishments and the different plantations entirely to the Commissioner.

133. *Boundaries.*—The Boundaries of the Government Sholas are still under demarcation, the work progresses slowly.

134. *Devi Shola.*—Government gave up all claim to the felled wood in this Shola; after the expiration of the two years, the owner had not fulfilled his part of the agreement.

135. *Clandestine felling.*—Much wood has been confiscated as clandestinely felled but such trifling punishments have always been awarded that there has been little chance of checking smuggling.

136. *Operations.*—The operations have consisted of conserving the Government Sholas, forming Nurseries, extending planting operations in different Sholas and supplying the Department Public Works with fuel.

137. *Seignorage.*—The amount realized by sale of Licences has been Rupees 2,681-11-0.

1,633 Bandy loads of fuel to the value of Rupees 999-4-0, were supplied to the Lawrence Asylum Works and Wellington Work-shop.

138. *Plantations.*—In the Eucalyptus plantation at Ootacamund 1,814 young trees of Eucalyptus have been planted out and 780 Pinus Pinaster var, Maritima and a large quantity of Eucalyptus globulus have been mossed, and 7,500 are now ready for planting out. Rats have committed much damage lately in the Nursery and some trees in the plantation have been killed by injury to the roots from these animals. Measures should be taken to exterminate them.

137. *Rapid growth and value of the Blue Gum.*—The great value of the timber of Blue Gum or Eucalyptus globulus is not generally known, in Australia it is the best building timber known (though most of the numerous species of Eucalyptus yield valuable timbers) and is said to be fully equal to the best Indian Teak; its rapidity of growth on these hills exceeds that of any tree indigenous or introduced, and has been the admiration of all Forest Officers who have visited our plantations. Its cultivation should be largely extended on all our hill ranges; it grows, well on grass land but its growth is not nearly so rapid as in Shola land, the planting is more expensive and precarious, and it is much affected by wind. All sholas thinned out or deforested for firewood should be renewed with this tree, it exhibits the most favorable growth when planted inside sholas of the indigenous trees (particularly in the ravines) as it soon overtops all the native trees and it has complete shelter from the wind when young; one tree in such a locality in the grounds of Gaytonpark at Ootacamund may be mentioned as quite a sight, it is upwards of 12 feet in girth and of enormous stature. If the Railway is to be extended to Cullar, the ravines up the Coimbatore slopes of the hills might be largely planted with this tree at elevations above 3,500 feet. In Australia this tree has been measured upwards of 400 feet in height and 40 feet in girth.

138. *Introduction of new trees.*—The colossal Eucalyptus fissilens (or Missmate) the Eucalyptus Stuartiana and Eucalyptus sideroxylon and several other species have been introduced during the year and are growing well. Application has been made to Australia for the three different species of Járá (Eucalyptus Mahagoni, rostrata and marginata) which yield such valuable sleeper timber and are said to be impervious to the attack of the sea-worm, they have not yet been received, there are a few young plants of the Eucalyptus Mahagoni at Ootacamund but the other species have not yet been introduced.

The following trees were received during the year from Kew in large Wardian Cases, they arrived in first rate condition and are growing very well in the Nurseries on the Neilgherries.

100.	Quercus pedunculata	British Oak
100.	„ cerris	Turkey Oak.
100.	Custanea vesca	Sweet chesnut.
100.	Æsculus hippocrastanum	Horse chesnut.
100.	Fraxinus excelsior	The Ash.
25.	Ornus Europeus	The flowering Ash.
75.	Carpinus betulus	The Hornbeam.

A subsequent case contining several hundred of the two species of Oaks was forwarded to the Pulney Hills.

A large quantity of the seeds of all the above besides seeds of the Sycamore (Acer pseudo-platanus) the Norway Maple (Acer platanoides,) the Alder (Alnus glutinosa) the Lime (Tilia Europea) the Birch (Betula alba) and the Beech, (Fagus Sylvatica) were also received in a dry box, but they had all lost their germinating powers from having got damp. Seeds of some of the above placed in the soil in the Wardian cases in between the plants all arrived in good condition and are now growing well in the nurseries.

The Quercus cerris or Turkey Oak has never been introduced before; the common Oak grows here and becomes a small tree, but is very poor compared to what it is in Europe.

The sweet chesnut will probably answer but it is not expected that the growth of most of these deciduous tree will be favorable on these hills as they require the winter.

The Walnut grows so well on these hills and fruits so abundantly that its cultivation on a larger scale is very desirable, if only for its valuable timber.

Seed of the following Coniferæ were received during the year from Kew and are growing very well. Half in our nurseries and half in the Government Gardens.

Pinus Benthamiana.
" Pallasiana.
" Laricio aduncа.
" Laricio corsica.
" Laricio altissima.
" Laricio caramanica.
" Laricio.
" Pyrenaica.
" Muricata.
" Insignis.
" Bungeana.
" Austriaca.
" Sylvestris horizontalis.
" Sylvestris Germanica.
" Sylvestris.
" Pinaster Semoniana.
" " Maritima.
" " Religiosa.
" Inops.
" Excelsa.
" Pinea.
" Taurica.
" Panderosa.
" Tuberculata.
" Seratina.
Picea Pinsaps.
" Webbiana.
" Cephalonica.
" Nordmaniana.
Abies Dowglasii.
" Alba.
Larix Europea.

Many of these trees will grow well here, and their introduction is of great value. Amongst coniferæ no tree grows here more rapidly or finer than the Himalayan Cupressus torulosa and its extended cultivation should be attended to, it is highly ornamental and the timber is valuable.

The Pinus Pinaster var: Maritima was largely introduced last year and is growing very well, it will be a valuable introduction as its growth is rapid and good as proved by several trees of ten or twelve years standing in the Botanical gardens.

Dr. Brandis forwarded large packets of seed of the following Himalayan trees; but as they arrived at the close of the official year, they were handed over to the Commissioner. A few of the seed were however sent to the Botanical gardens, and some to the Pulney hills.

The Cashmere Cherry.
Quercus incana ..... Himalayan Oak.
Fraxinus floribunda ..... " Ash.
Cedrus deodara..... The Deodar.

Picea Webbiana.
" Cupressus torulosa.
Juniperus excelsa.
Pyrus kumanensis.
Taxus baccata.
Abies Smithiana.
Pinus Geradiana.
" Excelsa.

Seeds of the following fast growing Australian trees not previously introduced were received from Australia at the close of the year, and were consequently handed over to the Commissioner; most of them are trees with spreading tops, a great desideratum.

Acacia pycnantha (a tree of great beauty.)
" implexa.
Callitris cupressiformis.
Callitris Gunnii.
Casuarina paludosa.
Exocarpus cupressiformis.
Myoporum insulare
Tristania longifolia.

The Officiating Conservator has been in correspondence with all the forest Officers in India and Burmah for the exchange of tree seed, etc., also with Kew, the Mauritius, Australia and Ceylon. Seed have been forwarded from our different forests to Kew, Ceylon, the Mauritius, Australia and different part of India.

139. *Advantages and disadvantages of the two common Australian acacias.*—The Acacia dealbata (Link) or Australian wattle (often but erroneously called Acacia mollissima on the Neilgherries) and the Acacia melanoxylon or Australian Blackwood are unrivalled on our hill ranges for firewood plantations or as screen from the wind, and the former grows wonderfully as Coppice, and the latter has very valuable timber, the former however is a perfect nuisance in small grounds or gardens and bids fair to overrun some parts of the station of Ootacamund as can be easily seen in the Bishopsdown grounds and many other places, its roots spread most rapidly in every direction and suckers come up by the thousands to the exclusion of all other vegetation, the roots of the latter tree also spread considerably and are a great nuisance near roads, nothing will grow near either tree without constant digging and removal of roots. If Ootacamund was deserted, the whole basin would probably at no lengthened period become a forest of these trees to the exclusion of almost all other vegetation.

140. *Theft, Mischief, etc.*—30 cases in which 170 people were charged with stealing wood were brought before the authorities, only one case was dismissed, and punishment awarded in all the others, but this was generally only six hours imprisonment.

141. *Financial Results.*

	Rs.	A.	P.	Rs.	A.	P.
Expenditure.						
Establishment.....	3,356	3	10			
Working charges.....	1,877	15	2			
Contingencies.....	46	0	0			
				5,280	3	0
Receipts.						
Seignorage.....	2,681	11	0			
Timber supplied to Department Public Works.....	999	4	0			
				3,680	15	0
				1,599	4	0
Balance against Government.....	.....					

142. *Wellington Australian plantation.*—The planting operations have been most carefully and successfully carried on by Overseer Newman.

143. *Operations.*—7000 young trees of acacia melanoxylon and 11,200 of Acacia dealbata have been planted out during the year.

144. *Theft Mischief, etc.*—No prosecutions during the year.

145. *Financial Results.*

	RS.	A.	P.	RS.	A.	P.
Expendiiure.						
Working charges	1,518	4	0	1,518	4	0
Receipts.						
Sale of fire wood from plantations	107	9	6			
				107	9	6
Balance against Government				1,410	10	6

146. SALEM.—*Superintendence.*—This district remained under the charge of Lieutenant Walker during the official year.

147. SALEM TALOOK.—*Superintendence.*—Fourth Class Overseer, Rungiah Naidoo, has had charge of the operations in this talook under Lieutenant Walker.

148. *Operations.*—The Voucher and Licence system is being gradually given up to a great extent in favor of departmental working.

774 Sandalwood besides other trees have been cleared of creepers on the Kollay Mallays.

The firewood reserve A. near the Shevaroy Hill Railway station has been extended so as to include the slopes of some spurs of the adjoining hills.

Nurseries have been formed in all the fuel reserves.

Several tracts of forests have been market out for Locomotive fuel requirements.

The settlement of the boundaries on the Kolroys has been delayed pending the result of the suit instituted by the Pollygar's Contractor.

149. *Depots.*—208 maunds 10½lbs. of Sandal-wood has been felled and stored in the depôt.

150. *Firewood and charcoal.*—These are now Cased out on contract from tracts marked off by the Department, the Contractors are bound down to grant passes at the Government rates of seignorage.

151. *Theft, Mischief, Trespass, &c.*—20 cases in which 53 persons were concerned were brought before the Magistrates during the year, 45 persons were convicted and 8 acquitted: the punishments were too light.

2 cases in which the timber, &c.; was confiscated were settled departmentally.

Lieutenant Walker reports that as a rule he refrains from prosecuting in this range, as the right of the Department to enforce its rules by Law is often questioned.

152. *Forest Chart.*—A chart of the Kollay Mallayas is under preparation.

153. *Sales.*—208 maunds 10¼ lbs. of Sandal wood billets and roots were sold from the depôt.

154. *Railway fuel.*—The Locomotive Department has been supplied with 5,533 tons of fuel at a seignorage of Rupees 6,028-5-9.

455. *Plantations.*—In plantation No. I (Malliapooram) Babul (Acacia Arabica) seed was sown broad-cast and the seed came up well and stands a fair chance of success if the season turns out at all favorable, these plantations have suffered from the failure of the north-east monsoon, and the long subsequent drought.

15

In plantation No. II. (Shevaroys) 28,700 pits were dug and 28¾ acres of fresh jungle cleared, 14,000 trees chiefly Toon (Cedrela Toona) were put out. Teak Eucalypti, Belgam Walnut, Alenrites triloba, Jack, Nim and Acacia lencophlea have also been introduced into the nurseries on a small scale. The Toon plants one year old are ten feet high, the growth of the Pinus Pinaster is slower here at an elevation of about 4,500 feet, than on the Neilgherries at 7,000 feet; but the plants are healthy.

156.—*Financial results.*

	RS.	A.	P.	RS.	A.	P.
Expenditure.						
Establishment	9,236	11	7			
Working charges.....	3,682	6	8			
				12,919	2	3
Receipts.						
Sale of timber from depôt	770	4	11			
Seignorage sales, etc.	34,631	14	1			
Confiscations	534	9	2			
Miscellaneous	35	2	5			
				35,971	14	7
Balance in favor of Forests...	.....			23,052	12	4
Deduct decrease in stock ...	.....			138	1	0
Financial result for 1868-69	.....			22,914	11	4

157. *Tripatore Talook.*—The forests of this range worked by Mr. Franklin under Lieutenant Walker.

158. *Demarcation.*—The Deputy Conservetor visited the Yellagiri and Javadi Hills with the Head Assistant Collector, and preliminary measures were taken for reserve and demarcation.

159. *Depots.*—524 maunds and 12 lbs. of Sandal-wood and 1,374 cubic feet of timber were felled and stored in depôt, and 1,309 cubic feet of timber is under transport from forests to depôt.

201 maunds and 16 lbs. of Sandal-wood and 2,466 cubic feet of timber remain in depôt.

160. *Conservancy, &c.*—392 Sandall-wood trees and 90 other trees were cleared of creepers during the year.

161. *Theft and Mischief.*—31 cases in which 114 persons were concerned were brought before the Magistrates; 85 persons were convicted and 29 acquitted: the punishments were too light. 44 cases were settled departmentally.

162. *Fire-wood and Charcoal.*—These are now let out on contract as in the Salem Talook.

163. *Railway fuel.*—The Locomotive Department were supplied with 4,389. tons of wood fuel at a seigniorage of Rupees 5,105-13-2.

164. *Sales.*—483 maunds and 14 lbs. of Sandal-wood were sold to merchants and 1,939 cubic feet of timber.

165. *Fuel Reserves.*—The two reserves D. and E. commenced last year were fenced in and Nurseries have been formed.

166. *Health of Establishment.*—Fever has been very prevalent.

167. *Financial Results.*

Expenditure.

	RS.	A.	P.	RS.	A.	P.
Establishment	4,697	1	4			
Working charges	1,433	9	6			
				6,130	10	10
Receipts.						
Sale of depôt timber	2,923	13	3			
Seignorage, &c.,	11,856	7	10			
Confiscations	220	9	5			
Miscellaneous	48	10	7			
				15,049	9	1
Balance in favour of Government				8,918	14	3
Add increase in stock of timber				783	8	7
Financial results for 1868-69				9,702	6	10

168. *Denkinacottah Forests.*—These forests were worked by Overseer, Mahomed Ali under Lieutenant Walker

169. *Roads.*—The Denkinacottah and Auchitty road which was opened out last year as far as Cundacottah by the Department Public Works from forest funds has not been proceeded with for want of money, it will be completed by the Forest Department as far as Sevenhully.

No. II. Road from Pennagara was opened out for some distance and will be completed shortly under the arrangement sanctioned in G. O., No, 778, dated 20th March 1869.

No. III. Road from Pennagara has been completed as far as the Chenar river.

170. *Depots.*—4,190 cubic feet of timber was felled and stored in depôts at Denkinacottah and Pennagara. 1,287 maunds 17½lbs. of Sandal-wood felled and stored.

750 maunds 23lbs. of Sandal-wood and 3,544 cubic feet of timber remain in depôt.

171. *Conservancy, etc.*—1,356 Sandal-wood trees were cleared of creepers.

172. *Theft and Mischief.*—39 cases in which 161 persons were concerned were brought before the Magistrates, 121 persons were convicted and 40 acquitted. Five cases were settled departmentally.

173. *Sales.*—1,717 maunds of Sandal-wood were sold to merchants.

4,438 cubic feet of timber and a large amount of bamboos.

174. *Timber supplied to Government Departments.*—The Remount depôt at Oosoor and the Department Public Works have been supplied with timber from our depôts.

175. *Health of Establishment.*—Fever has been very severe.

176. *Financial Results.*

Expenditure.

	RS.	A.	P.	RS.	A.	P.
Establishment	5,085	0	11			
Working charges	4,285	4	11			
				9,370	5	10
Receipts.						
Sale of timber from depôts	12,234	9	4			
Timber supplied to Government Departments	435	13	11			
Seignorage, etc.,	3,076	7	5			
Confiscations	49	13	0			
Miscellaneous	2	4	0			
				15,798	15	8
Balance in favour of Government				6,428	9	10
Deduct deficiency in stock				2,176	5	1
Financial results for 1868-69				4,252	4	9

177. *Forest products.*—Lieutenant Walker's remarks on Forests products are deserving of careful attention, the Revenue Board are at present much opposed to any departmental collections or to any revenue being derived from these articles except in strictly reserved tracts, a very large and perfectly legitimate revenue however, is to be derived from the fruit of trees (tamarinds, etc.,) gall nuts, dyes, etc., and in some districts it is estimated that such would more than cover all the cost of our establishments, it is a mistake too, to suppose that it would be against the interests of the hill men, they would still collect as hitherto; but the Forest Department would give a better price than the chetties and petty merchants in whose hands they now are, and by whom they are often much cheated.

178. *Revenue and Expenditure of the district.*—The Revenue of the whole Salem District amounts to Rupees 66,820-7-4 against an expenditure of Rupees 28,420-2-11 and the timber in store is estimated at Rupees 7,804-10-1 which shows a decrease of Rupees 1,481-2-4 over that at the end of last year. Much of the expenditure is extraordinary, *viz.*, Roads, Rupees 2,945-7-11. Formation of timber yards, Rupees 435-12-6; formation of Railway fuel reserves, Rupees 2,825-12-5.

179. *Seignorage.*—In the whole Range the following is a List of what has been removed during the year on payment of seignorage:—

	Bandy loads.		Head loads.
Timber 1st Class	368		
2nd ,,	164		
3rd ,,	252		
	784		4,301
	13,212		
Firewood	5,417		73,214
Bamboos	924		81
Bark	4,802		562
Charcoal			

180. *Free passes.*—The following is a List of what has been granted on free passes during the year:—

136	Bandy loads of timber.	
3	,, ,,	Small bamboos.
30	,, ,,	Firewood.
727	Head loads ,,	Frames.
2,042	,, ,,	Joists.
7,384	,, ,,	Props.
10,273	,, ,,	Pen Props.
7,328	,, ,,	Poles and Pegs.
4,520	,, ,,	Plough shares.
635	,, ,,	Handles.
926	,, ,,	Yokes.
50,710	,, ,,	Small bamboos.
26,045	,, ,,	Split bamboos.
48	,, ,,	Charcoal.

181. *Confiscations.*—1,173-13-10 is the amount realized during the year on the sale of confiscated timber, etc., of this sum Rupees 804-15-7 were credited to the department, and Rupees 368-14-3 to informers.

182. *Financial results of the whole Range.*

	RS.	A.	P.			
Expenditure.						
Establishment	13,130	7	1			
Contingencies	334	1	10			
Working charges	14,955	10	0			
				28,420	2	11

Receipts.

Seignorage, etc...	49,564	13	4			
Sales of timber from depot....	15,928	11	6			
Confiscations.....	804	15	7			
Timber supplied to Department Public Works.....	435	13	11			
Miscellaneous.....	86	1	0			
				66,820	7	4
Balance in favor of Government.....	.....			38,400	4	5
Timber on hand 31st March 1868.....	9,241	12	5			
Felled during 1868-69.....	15,291	4	1			
				24,533	0	6
Deduct sold.....	16,364	9	5			
" loss in market rates.	457	8	2			
				16,822	1	7
Timber on hand 31st March 1869.....	7,710	14	11			
Deduct deficiency in stock of timber.....	.....			1,530	13	6
Financial result.....	.....			36,869	6	11

183. South Canara.—*Superintendence.*—Mr. Cadell remained in charge of these forests during the first eight months of the official year, but illness compelled him to leave the district on Medical certificate for 3½ months, he rejoined before the close of the year.

184. *Felling Operations.*—Owing to an ample stock of timber in depots little or no felling was carried on during the year. 100 candies of Blackwood were felled on special indent for the Bombay Gun Carriage Department, and about 400 candies of junglewoods were felled on a private indent for coffee cases.

185. *Floating Operations.*—

351 logs of junglewood, 8 " " Blackwood, 2 Boats,	From Hully Bugle to Condapore.
177 logs of Mango, 27 " " Blackwood, 11 " " Junglewood, 6 " " Teak, 4 " " Jackwood, 3 " " Ebony, 3 Boats,	Yeneekul and Sooliah to Mangalore.
70 logs of Blackwood.	From Maloot to Katkatcherry.
80 " " Junglewood, 31 " " Teak, 5 " " Blackwood, 1 " " Ebony,	From Parapa to Cassergode.
183 " " Junglewood, 26 " " Wild Jack, 117 " " Junglewood.	From Yeneckul to Upinangudy.
	Hully Bugle to a distance of three miles.

186. *Conservancy.*—The usual clearing of trees from creepers, etc., and pruning has been carried out, and there has had no loss from fire.

187. *Catechu Jungles.*—These have not been leased out during the year as they require rest, departmental working or at least the marking of the trees by the department seems to be desirable and is under consideration.

188. *Sales.*—100 candies of Blackwood were supplied to the Gun Carriage Department in Bombay; a small amount of Sandal-wood felled in the Northern part of the district sold at 3 Rupees per maund, it is of inferior quality. Timber to the value of Rupees 4,743-12-1, was sold to private purchasers from our coast depots, and 160 candies out of our jungle depots.

334 Candies of timber were supplied to the Department Public Works from our coast depots.

4,000 Rupees worth of timber was supplied to the Department Public Works, in the Mangalore Range but has not been paid for during the year.

Mangowood for packing cases to the value of 2,500 Rupees was supplied to a Merchant at Mangalore but not paid for during the year.

189. *Timber felled by Department Public Works on Seignorage.*

179 logs of reserved timbers containing 217 candies, and 104 logs of junglewood containing, 182 candies were felled by the Department Public Works at Seignorage rate which realized Rupees 2,033.

190. *Auctions.*—The annual depot auctions were postponed, and did not take place during the year owing to the absence of the Assistant Conservator.

191. *Plantations.*—The Teak plantation at Parapa shows good growth, a small plantation of Teak mixed with Jack has been formed at Hospett.

192. *Health of Establishment.*—This has been very bad and almost every one on the establishment has suffered from fever.

193. *Financial Results.*

	Rs.	A.	P.	Rs.	A.	P.
Expenditure.						
Establishment.....	8,417	6	8			
Working charges.....	13,446	6	11			
	21,863	13	7			
Receipts.						
Seignorage, etc.....	9,822	10	7			
Sales of Timber from depot	4,823	12	1			
Confiscations..	10,212	8	3			
Timber supplied to Department Public Works.....	4,910	0	0			
Miscellaneous.....	295	8	0			
				30,064	6	11
				8,200	9	4
Balance in favour of Govt...	.....					
Timber on hand 31st March 1868.....	35,342	3	2			
Felled during 1868-69.....	7,444	8	0			
	42,786	11	2			
Deduct sold..... ...	9,753	12	1			
Timber on hand 31st March 1869.....	33,032	15	1			
Deduct deficiency in stock of Timber.....	.....			2,309	4	1
				5,891	5	3
Financial result.....	.....					

194. Wynaad.—*Superintendence.*—On the 25th of May 1868, the range was handed over to Mr. Turnbull by Lieutenant Fullerton. In January, Mr. Turnbull was suspended by the Officiating Conservator as he neglected to answer correspondence, or send in returns, and Mr. Cherry assumed charge of the range on the

5th of February, it then came to light that Mr. Turnbull had embezzled a quantity of the timber in depot, and had left his district without leave, and quitted the country, special reports on the subject are before Government, and it is believed that Mr. Turnbull has been caught in Europe.

195. *Operations.*—Felling operations were suspended owing to the large stock of timber on hand, and only 2,246 cubic feet of timber valued at Rupees 842-4-0, were felled, 9,633¼ cubic feet of Teak were carted from the forests into depots. 22,186¼ cubic feet of Teak were floated from the forest depot at Goondry to Hirnandy depot near Mysore, 1,994 cubic feet of Teak, 192 of Black-wood, and of Honi mere floated from the forest depot at Baigur to Hirnandy depot.

196. *Sales.*—The sum realized only amounts to Rupees 373-13-4, timber to the value of Rupees 33,100 was sold by Mr. Turnbull to two Merchants in Mysore, but Mr. Turnbull has appropriated the money and left the country.

197. *Health of Establishment.*—Fever has been very prevalent.

198. *Financial Results.*

	RS.	A.	P.	RS.	A.	P.
Expenditure.						
Establishment.....	6,007	7	4			
Working charges.....	2,061	3	9			
				8,218	11	1
Receipts.						
Sale of timber.....	.....			380	13	4
Balance against the forest...	.....			7,837	13	9
Value of timber on hand 31st March 1868.....	44,377	3	7			
Felled during 1868-69.....	842	4	0			
Increase in value of timber..	11,079	4	6			
	56,298	12	1			
Sold to merchants.....	373	13	4			
Embezzled by Mr. Turnbull.....	33,100	0	0	33,473	13	4
Balance on hand 31st March 1869.....	22,824	14	9			
Add decrease in stock.....	.....			21,552	4	10
Financial result, deficit.....	.....			29,390	2	7

199. NELLUMBUR.—*Superintendence, etc.*—Mr. Ferguson has remained in charge during the year.

200. *Opertions.*—105 acres were planted with 1,04,000 teak seedlings.
3,350 ,, of old plantations weeded.
391 ,, pruned.
700 ,, cleared from parasites (Loranthus.)
75 ,, new site for planting felled.
15 ,, do. do. burned.

201. *Felling.*— 220 logs of jungle wood felled.
164 do. do. dragged into depôts.
20,000 saplings felled in thinning operations.

202. *Floating.*— 352 logs floated to coast depôt by establisement.
14,000 saplings do. do. do.
2,960 bamboes do. do. do.

203. *Experimental growth of cereals, etc., with young Teak.*—The experimental growth of dry grains and vegetables amongst the young teak seedlings as practiced in Burmah has been tried and is reported a failure, the teak showing less rapid growth and a less healthy appearance.

204. *Planting of jungle timbers.*—The experimental planting of some of the more valuable timbers of the moist forests of the gauts has been carried on during the year but without favorable results, they all grew well from seed but mostly died out in the drought experienced from December till April: the season was unusually dry and unfavoroble.

205. *Demarcation.*—The plantations west to Nellumbore and the natura forest due north (included in the Government lease) to a circuit of about 22½ miles have been demarcated during the year, traces have been cut and boundry-stones erected at a cost of Rupees 586-6-11. The demarcation was stopped in the feverish son but will be recommenced next October.

206. *Fires.*—A serious fire occured in the plantations in the month of March at the driest time of the year, it swept through portions of the younger plantations: very little damage was done to the young trees, but felled timber to the value of Rupees 5,000 was destroyed in the depôts. At the request of the Collector, Mr. Logan the Sub-Collector fully enquired into the circumstances, but he was not able to arrive at any conclusion as to whether the fire was accidental or incendiary; the plantations and depôts were all fire traced, but the fire was blown over the traces which were 30 to 40 feet wide.

207. *Health of Establishment.*—Fever has been very prevalent as usual.

208. *Financial results.*

	RS.	A.	P.	RS.	A.	P.
Expenditure.						
Establishment	7,248	8	5			
Working charges.....	10,059	7	8			
				17,308	0	1
Receipts.						
Sale of timber.....	6,163	12	8			
,, Saplings	8,986	14	11			
,, Fire wood and bamboes.	661	11	8			
Miscellaneous	93	14	6			
				15,906	5	7
Balance against Government ...	.....			1,401	10	6
Timber in depôt on 31st March 1868.....	40,106	15	5			
Add felled during 1868-69 ...	13,135	0	0			
	53,241	15	5			
Deduct sold during 1868-69 ...	15,906	5	7			
Deduct destroyed by fire etc...	5,404	0	0			
	21,310	5	7			
Timber in depôt 31st March 1869	31,931	9	10			
	.....			8,175	5	7
Deduct deficiency in stock.....	.....			9,577	0	1
Financial result for the year, deficiency.....						

209. Forest Act.—*A Contract Law, no advance system.*—Special reports have been forwarded to Government on these subjects.

The Officiating Conservator is of opinion that the Penal Code is sufficient for checking all Forest misdemeanors except simple trespass. As Government is now going to great expense in the formation of fuel reserves and fuel plantatations, it is necessary that some strict rules should be put in force on this subject, a Cattle Trespass Act may also be required.

210. *Jungle Conservancy.*—Special reports on this subject are before Government. In districts where the Department has establishments, it can hardly be to the interest of Government that certain tracts dovetailing with those under the Forest Department should remain under Collectors, and be worked on different principles and without any reference to the Department, it affords an easy opening to smuggling, and causes a great loss of revenue which has been fully exemplified already.

211. *Loss to the Department of the Neilgherry plantations.*—These plantations have been handed over to the Commissioner of the Neilgherries. Exclusive of pay of Establishment, the Department has spent Rupees 18,373, on the Australian fire-wood plantation at Wellington, Rupees 3,224, on the Eucalyptus building timber plantation at Ootacamund, and 3,735 on the Governor's Shola plantation. When it was proposed to hand over the sholas to the Commissioner, the Officiating Conservator had no idea that a transfer of the plantations was intended also, and he reported that an Officer in special charge, in addition to the Overseers, was not advisable, the plantations are of great value and interest, if an European Regiment is again stationed at Wellington, the plantations at that place will be of the greatest importance, and the Eucalyptus plantations at Ootacamund will, in a few years, render the hills independant of teak from the low country. They have hitherto received most careful attention from Colonel Morgan, and also from the Conservator, and the Officiating Conservator, unless the Commissioner can spare time to give the planting operations careful attention, they should not be extended, or an Officer with some experience should be appointed.

212. *New plants.*—Some new plants of interest were discovered during the year in the mountain forests of South Tinnevelly, and specimens were forwarded to Kew. A new timber tree (a new species of Humboldia) was also discovered in the same forests and the Shenkurani or red-wood mentioned in the last report was found in flower, and turns out to be a species of a genus new to S. India Gluta (in Anacardiaceæ.) Specimens in flower of both have been forwarded to Kew, and specimens of the timber will shortly be forwarded to the Reporter on Indian products.

213. *Botanical publications.*—The last three numbers of the Ferns of British India which have been chiefly prepared at Kew are now ready and are passing through the press, 615 Ferns have been figured in the forty-three numbers.

A sequel to Dr. Wights "Icones plantarum" has been commenced, in which all new plants lately discovered and rare or interesting ones not hitherto pulished will be figured and described, it will be completed in fifteen numbers, and contain 300 plates, two numbers have already been issued and the third is in the press.

214. *The Flora Sylvatica.*—This work in which all the timber trees of Southern India will be figured accompanied with full descriptions, native names and all known uses, has now been commenced, and part one has been issued and part two

is in the press, it is hoped that the work will be of great use to Forest Officers throughout India and Burmah, and that the publication of the plates, and what information is now obtainable will elicit further information as to the uses, and native names in each Province in which case the letter press will eventually be re-published.

215. *Herbarium.*—The Officiating Conservator has collected for this, during his tours, and specimens have been forwarded from time to time to the Museum.

216. *Financial results for the year.*—The expenditure for the year has been Rupees 2,69,700 and the receipts Rupees 3,91,179 against Rupees 2,72,840 and Rupees 4,24,184 for 1867-68, there is a deficiency in the stock of timber on hand of Rupees 70,428 the Financial result for the year under review is properly speaking the excess of receipts over expenditure, minus the deficiency in the stock of timber, but as in former years the Department has not been given credit for any surplus stock of timber (when there has been a surplus instead of a deficiency,) it should be allowed credit for the full amount of the excess of receipts over expenditure. In some forests, timber is sold but not paid for during the year; the receipt of the money therefore does not appear as a credit until the next year. During the year under review, Rupees 53,530-4-2 worth was sold from the Annamallay and Chennat Nair Forest Depots to Government Departments in Bombay, but the sum does not appear as a credit, as the accounts were not settled before the close of the official year.

Net profit for the year		1,21,479
Deduct difference in value of timber on hand 31st March 1869, from the amount on hand 31st March 1868, ...		70,428
Financial Results for 1868-69,...		51,051

I have the honour to be,
Sir,
Your most obedient servant,
(Signed) R. H. BEDDOME, Major,
Officiating Conservator of Forests.

Financial Statement of the Forest Conservancy Department, for the official year 1868-69, in comparison with that of 1867-68.

Forest Ranges.		Charges inclusive of fixed Establishment and Office contingencies.		Revenue inclusive of receipts, seignorage and sale of timber, &c.		Value of stock of timber on the		Remarks.
		1867-68.	1868-69.	1867-68.	1868-69.	31st March 1868.	31st March 1869.	
		RS.	RS.	RS.	RS.	RS.	RS.	
Ganjam ...	Gumsur and Suradah	4,535	3,296	6,841	6,239	1,136	1,064	
Vizagapatam..	Golgondah	1,238	905	284	378	...	.....	
	Cuddapah	6,596	10,360	36,667	38,444	6,869	17,153	
	Kurnool	8,787	14,509	36,189	41,046	4,307	2,553	
	North Arcot	3,873	5,188	9,910	11,126	627	619	
	South Arcot	2,343	3,190	4,310	3,221	44	94	
	Madura	7,704	6,134	5,030	10,523	7,367	1,888	
	Tinnevelly	1,255	7,001	8,156	13,708	...	...	
Coimbatore...	Anamullay	33,210	31,045	58,959	30,489	2,16,517	1,91,825	
	Bolumputty Chennat	4,626	8,166	12,177	4,477	6,792	13,672	
	Nair and Walliar							
	Mudumallay	54,164	49,795	65,059	60,014	1,86,825	1,74,477	
	Sigur and Sathiamungalum... ...	10,538	7,431	29,152	23,359	31,069	19,403	
	Bhowany	6,676	6,046	15,895	15,856	1,355	1,526	
	Collegal	7,103	6,806	17,816	15,339	2,611	2,151	
	Neilgherry Sholas	5,417	5,280	4,550	3,681	...	...	
	Australian Plantation	1,757	1,518	934	108	...	...	
	Salem	36,679	28,420	53,567	66,820	9,242	7,711	
Malabar ...	South Canara	17,708	21,864	40,043	30,064	35,542	34,740	
	Wynaad	17,177	8,219	15,518	381	44,377	32,687	
	Nellamboor	14,286	17,308	3,097	15,906	40,106	32,687	
	Total...	2,45,672	2,42,481	4,24,184	3,91,179	5,94,816	5,24,388	
Pay of the Conservator, inclusive of Establishment and Office contingencies		27,168	27,219					
	Total...	2,72,840	2,69,700					
Deduct Expenditure		.....	.....	2,72,840	2,69,700			
Actual profit to Government...		.....	.....	1,51,344	1,21,479			
Deduct difference in value of timber on hand on the 31st March 1869, from the amount of the 31st March 1868				83,720	70,428			
	Financial Results...			67,624	51,051			

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Revenue Department.

No. 2942.

Proceedings of the Madras Government

Dated

Read the following

Letter from the Conservator of Forests.

Dated 6th December 1869.

Forwarding Returns of Expenditure and Revenue of the Forest Department for the year 1868-69.

Resolution.—The Conservator of Forests has done well in the arrangements he has made for the collection of the Returns of Expenditure and Revenue of the Forest Department for the year 1868-69.

2. Before finally passing the accounts of the Department, the Conservator should be requested to explain the cause of the large decrease in the value of the timber on hand at the end of the year, and to report whether the stock has been duly replenished.

By order of the Governor in Council,

(Sd.) W. G. Cochrane,
Chief Secretary to Government.

To the Conservator of Forests.

Copy forwarded for information.

(Sd.) [illegible]
Secretary to Government.

2. Major Beddoes' report under review is merely a condensed statement of operations and results under the head of each range. The returns received from the various range officers are not embodied in an appendix, as has hitherto been usual. This important omission should be rectified hereafter, and in place of an abstract, the body of the Administration report should be composed of a carefully considered synopsis of the year written by the Conservator himself and drawn up more with an eye to generalization than topographical detail. It might with advantage be arranged under the following heads.

I Inspection Tours of the Conservator.

II Plantations and nurseries.

III Reserved forests.

IV Forests worked under the License and Voucher system or by leases.

V Use of the forests.

VI Contemplated operations.

VII General remarks in which the progress made during the year should be specially noted.

VIII Financial results.

It is only by following a scheme such as this that the Conservator can give the work

&c

the full benefit of the experience which he has drawn from various districts, and effectually sustain his position as Head of a partially scientific department whose efficiency ought to advance year by year as the conditions of success become more understood.

3. The financial results, under the head of each range after being checked by the Conservator, will appear in the Appendix. But hitherto the expenditure for the year has not been given under the various heads of felling, planting

I would omit this. He is at present the head of a Dept, but we rather contemplate converting him into an Inspector General & advisor of Collectors in Forest matters. However I think we have any improvement in the form of his report will tend to sustain his position etc.

A. J. A.

planting &c. This should be done for the future, in order that deficits, when such occur, may be satisfactorily accounted for.

4 The total financial result of the year is a net profit to Government of Rs. 51,051 against Rs. 67,624 in 1867-68. The former amount has been materially reduced by the defalcations of Overseer Turnbull.

5. The Officiating Conservator has travelled during nine months of the year, but the period spent in each range is not specified. Recent orders require that his visits of inspection should be more prolonged, and the Government will receive with satisfaction any suggestions as to improved working which they may

I would omit this para. we have now told him & he as to not be up than 8 months which is less than the number of months here given regarding which there must be some mistake. I suppose what is meant is that he was travelling during just of 9 months out of the 12 or does the 9 months refer to the period he spent out of Madras?

A. J. A.

24

may give rise to.

6. On the whole, and with the notable exception of the Neilgherries, planting operations during the year have proved a failure. The Govt. view this fact with much concern, and hope that the next year will exhibit an improvement. The planting of indigenous trees was attempted in the jungles of Nellambur, but unsuccessfully. Failure in most instances is attributed to exceptional drought, & for this reason more prosperous results may be reasonably expected in future. As yet but few districts possess fuel reserves, Colonel Morgan, who was

was unable to find a site at Cauveri-poorain has been more successful at Bhowani, and it is to be hoped that the formation of a fuel reserve in the Bhowani range which has been long under abeyance, will soon be carried out. The Govts have already urged upon the Officiating Conservator the vital importance of conserving the natural firewood supply and supplementing it by artificial plantations, with the view of meeting the

the requirements of the railway. In the ranges of Goomsoor, South Arcot, Tinnevelly, the Annamalays and the Wynaad nothing appears to have been done towards reproduction. If this be really the case, the ~~deficiency~~ omission deserves the notice of the Officiating Conservator. In Seegur, Bhowani and Collegal some progress has been made with Sandal wood plantations. The extension of this remunerative timber should be pushed on with celerity, in all tracts where it is found to thrive. In Kurnool

Kurnool, the teak plantation proved a failure, but Mr Sheffield has established a very good plantation for avenue purposes. Generally speaking the impression left by Major Beddome's report is, that reproduction has not been adequately promoted. The Government trust that the Officiating Conservator will inculcate upon his subordinates the necessity, which has now become urgent, of attending to this most important branch of forestry

Iw.

7. In the ranges of Gooty, Cuddapah, Kurnool, North Arcot & Tinnevelly the License and Voucher system is still retained. The formation of reserves however, appears to be contemplated in Kurnool, and the Govt recently sanctioned the demarcation for this purpose of a tract on the Nallamallays. It is a matter for regret that the departmental working

working which has lately been introduced into the Trinomallay taluq of the South Arcot district has not proved popular, and the Government would be interested in hearing the causes of dissatisfaction, for they believe that the further extension of departmental agency is strongly advisable. The

I would not say this for I do not believe it. I am convinced that much more would be done if the work were entrusted to the Collectors of Districts and inspected by the Conservator under the designation of Inspector General of Forests aided by a small staff of Assistants.

A. A.

Golconda

	1867-68 Rs	1868-69 Rs
Receipts	1347	377
Expenditure	1238	904

I would stop here

A. A.

8. The administration of the Golcondah forests which is vested in the Collector does not appear to be energetically conducted. The receipts which are very small and much less than those of the preceding year are more than doubled by the expenditure. In 1865 Mr Carmichael spoke highly of the timber producing qualities of these forests. The Collector of Vizagapatam will now be called upon for a report on their present condition, and if Major Beddome after communication with the

the district officers deems it advisable, he should submit a scheme for assuming them under the management of his department.

9. Transfer of the Goodiathum forests in North Arcot from the Collector's supervision is at present in abeyance on financial grounds. The question of placing the forests of the Chendraghurry Taluq under departmental agency is now before the Govt. Owing to the difficulty of reconciling a normal system of conservancy with the broad prescriptive rights of the agricultural community, objections have been raised to Major Beddome's propositions. The same obstacle would attend the general transfer of village-forests to the department.

10. With reference to para 91 of the report, the Ag. Collector of Coimbatore has already been requested to expedite the demarcation of the forest land for which a Cowle puttah was granted by a former Collector and which is now in the possession of Audoi Sait. It is hoped that Mr. Sullivan has by this time succeeded

succeeded in placing the settlement of this long pending question upon some definite footing.

11. The importation of English & Australian trees to the Neilgherries has evidently engaged a large share of Major Beddome's attention. The Govt have read with interest this portion of his report and desire to place on record their appreciation of the botanical knowledge which he has brought to bear in developing the resources of the Hills.

12. Major Beddome's proposals

proposals for checking the destruction of the Catechu tree in South Canara are doubtless well grounded.

13. The remaining questions mooted by the Offg Conservator are either now under the consideration of the Govt, or have been already disposed of.

[illegible]

13 Letter Offg Conservator of Forests Dept 8
14 — B of Rev
1 Coles of Vizagapatam
1 — do Coimbatore

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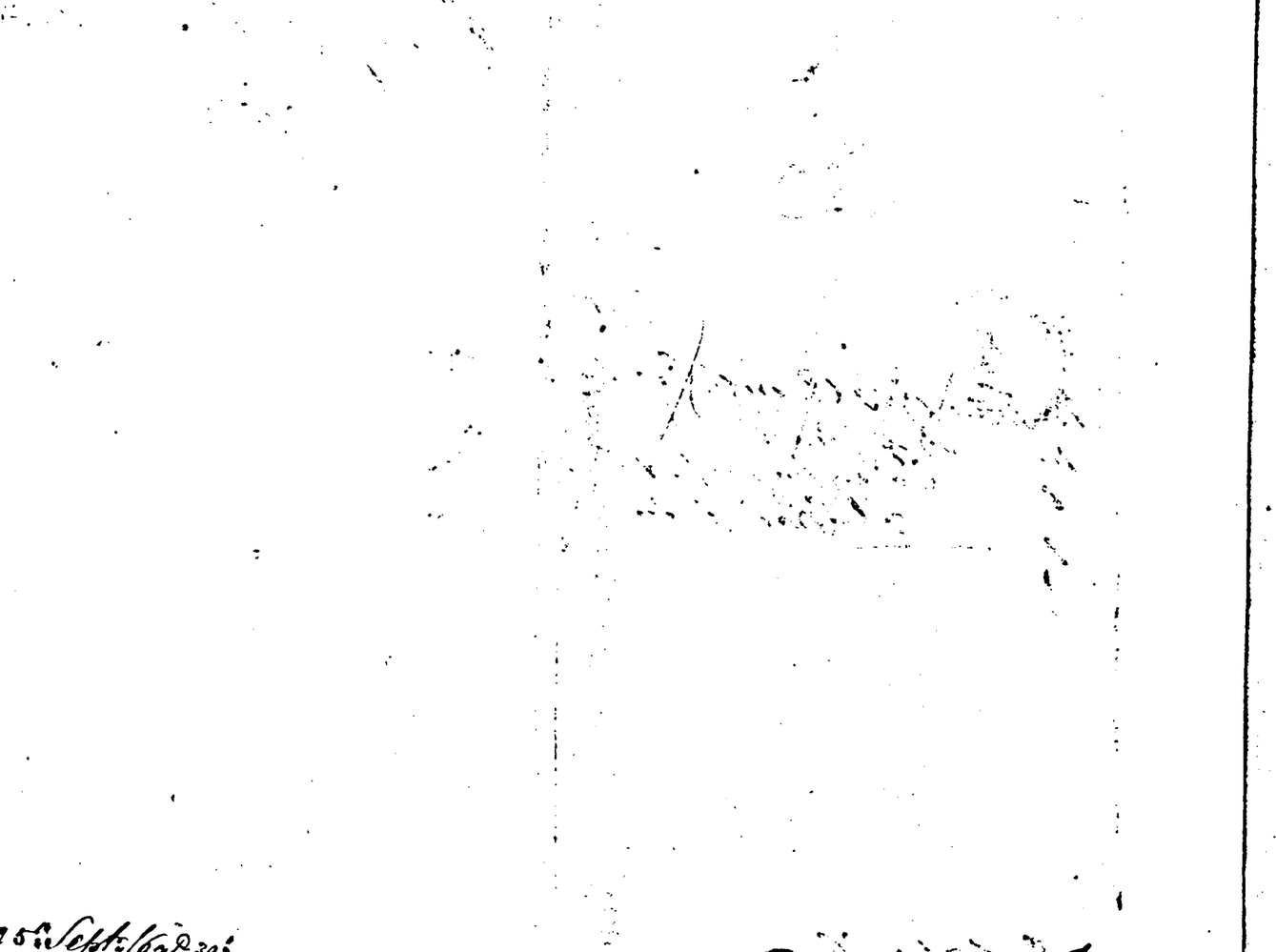

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