

A



ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1902.

(1901-1902)



MADRAS:

PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1902.

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1902.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

(i) ALTERATION OF AREA.

The following abstract A from Form No. 44 shows the changes in the forest areas of the different classes in the three circles and in the Presidency as a whole, during the year :—

ABSTRACT A.—Classes and Area of Forests.

						Area on 1st July 1901.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1902.
<i>Northern Circle.</i>						SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	..	..	..	..	..	5,800	{ (a) 5 (b) 213	{ (c) 1	+ 217	6,017
Do. lands	..	..	..	..	..	1,016	{ (a) 13 (d) 97	{ (e) 89 (f) 24 (g) 213	— 216	800
Total						6,816	328	327	+ 1	6,817
<i>Central Circle.</i>										
Reserved forests	..	..	..	..	..	6,534	{ (a) 129 (b) 191	{ (a) 41	+ 279	6,813
Do. lands	..	..	..	..	..	737	{ (a) 2 (d) 6	{ (a) 2 (e) 42 (f) 15 (g) 191	— 242	495
Total						7,271	328	291	+ 37	7,308
<i>Southern Circle.</i>										
Reserved forests	..	..	..	..	..	4,255	{ (a) 7 (b) 64	{ (c) 2	+ 69	4,324
Do. lands	..	..	..	..	..	1,199	{ (d) 9	{ (a) 8 (e) 9 (f) 10 (g) 64	— 82	1,117
Total						5,454	80	93	— 13	5,441
<i>Total.</i>										
Reserved forests	..	..	..	..	..	16,589	{ (a) 141 (b) 468	{ (a) 41 (c) 3	+ 565	17,154
Do. lands	..	..	..	..	..	2,952	{ (a) 15 (d) 112	{ (a) 10 (e) 140 (f) 49 (g) 468	— 540	2,412
Grand Total						19,541	736	711	+ 25	19,566

(a) Revision of area.

(c) Disafforested or unreserved.

(e) Excluded at settlement.

(b) Transferred from reserved lands.

(d) Newly constituted reserved lands.

(f) Transferred to reserved forests.

2. There was a net increase of 25 square miles in the total area under the control of the department during the year against a decrease of 108 square miles during the previous year.

Reserved Forests.

The increase arose from the reservation of 468 square miles under the Forest Act and the addition of 141 square miles due to a more correct computation of the areas already notified. The increase was, however, partly counterbalanced by the exclusion of 3 square miles by disafforestation and 41 square miles by a more accurate computation of the areas notified in previous years. Appendix B shows by districts the particulars of the changes that occurred.

Reserved Lands.

One hundred and twelve square miles were added by the notification of new areas and 15 square miles by a more correct computation of lands already notified. Against this increase, 189 square miles were excluded at settlement or unreserved to provide for extension of cultivation and for the exercise of communal privileges. Ten square miles were deducted on account of revision of areas and 468 square miles were transferred to Reserved forests. The details of the changes are shown in appendix E.

(ii) FOREST SETTLEMENT.

3. The following abstract gives the progress of forest settlement in the three circles and the Presidency as a whole. The total area brought under settlement up to the close of the year, the area finally constituted Reserved forests and the particulars of balance of lands under settlement in each district on 30th June 1902 are shown in appendix C.

ABSTRACT B.

Circle.	Area of reserved lands— <i>vide</i> Abstract A above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st July 1901.	Added during 1901-1902.	Total.	Excluded during the year mainly by reason of constitution as reserved forests.	Balance at the end of the year.	Area notified under section 4 and not constituted reserved forests on 1st July 1901.	Added during 1901-1902.	Total.	Constituted reserved forests during 1901-1902, or otherwise disposed of.	Balance notified under section 4, but not constituted reserved forests on 1st July 1902.
	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.
Northern Circle	1,016	110	1,126	326	800	538	239	777	{ (b) 213 24 }	540
Central „	737	8	745	250	495	681	6	687	{ (b) 191 15 }	481
Southern „	1,199	9	1,208	91	1,117	654	42	696	{ (a) 64 1 (b) 10 }	621
Total ..	2,952	127	3,079	667	2,412	1,873	287	2,160	{ (a) 468 1 (b) 49 }	1,642

(a) Revision.

(b) Excluded at settlement.

In the next abstract is shown for the Presidency the progress of the work as compared with the outturn of the previous year's settlement. The details for each district are recorded in Appendix E—

	1900-1901.		1901-1902.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Area notified as proposed reserves under section 4 and remaining to be constituted reserved forests at the beginning of the year	354	2,366	318	1,873
(2) Notified under section 4 during the year	180	377	38	287
Total ..	534	2,743	356	2,160
(3) Deduct area finally constituted as reserved forests under section 16, or excluded at settlement, or the initial notifications of which were cancelled.	204	731	112	468
	(b) 12	(a) 17 (b) 36 (c) 86	(b) 3	(a) 1 (c) 49
Total ..	216	870	115	518
(4) Area which remained to be finally constituted reserved forests at the end of the year	318	1,873	241	1,642

(a) Revision.

(b) Initial notification cancelled.

(c) Excluded at settlement.

4. At the commencement of the year 318 blocks covering 1,873 square miles remained to be finally constituted reserved forests and 38 blocks with an aggregate area of 287 square miles were added during the year, making a total of 356 blocks of 2,160 square miles. Of these, 112 blocks with an area of 468 square miles were constituted reserved forests, and 3 blocks covering an area of nearly about half a square mile were abandoned. There was a decrease in the number and area of blocks notified under section 4 of the Forest Act due mainly to the completion of the work of reservation in several districts prior to the year under report. At its close 241 blocks with an area of 1,642 square miles were under settlement; but of these, 107 blocks covering 795 square miles have been practically settled and are being finally reported, leaving only 134 blocks with an area of 847 square miles still under settlement enquiry, chiefly in *Kurnool* and *North Coimbatore*. The causes of pendency of the several blocks are shown in Appendix D.

5. The results of the settlement operations of the year under report are compared with those of the years previous in the subjoined statement:—

Year.	Finally notified during the year.		Settled and reported on.		Settled but not reported on.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7	8	9
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ending 30th June 1900 ..	192	970	106	1,060	38	217	336	2,247
Do. 1901 ..	204	731	81	581	53	468	338	1,780
Do. 1902 ..	112	468	54	500	53	295	219	1,263

The outturn was smaller during the year, there being only two Special Forest Settlement-officers employed, whereas in the preceding year, three were engaged throughout and two others for some months.

6. *Outturn of work by Divisional-officers.*—The settlement in *Malabar* and *South Canara* was done by the Revenue Divisional-officers when not engaged on their revenue and magisterial duties. The progress made was proportionately less. The *Avanashi* tope in *South Coimbatore* mentioned as pending in the last year's report was finally notified during the year.

7. *Selections for reservation.*—The preliminary demarcation of the *Pondakol* blocks in the *Ganjam* district referred to in the last year's report have been nearly completed, and the necessary maps to accompany the draft notification under section 4 are under preparation. In addition to these areas it is proposed to notify a small area of 303 acres as an extension to the *Gogoda* reserve. In *Vizagapatam* two smaller blocks forming a portion of the *Surugadá* reserved land were selected. In *Kistna* only three blocks remained to be notified under section 4 and it has since been decided to abandon one of them. The other two (except a small portion) will remain as reserved lands pending the result of the *Devi* pumping experiment. In *Kurnool*, the selection work was completed and only 97 square miles remained to be notified under section 4 at the close of the year. Notifications for 8 square miles have since been submitted and except for 15 square miles the remaining area has been preliminarily demarcated and is awaiting the preparation of sketch-maps. Of the eight blocks in the *Bellary* district, the reservation of which was sanctioned by Government, the preliminary demarcation of three blocks only remains to be done. In *Trichinopoly*, the question of reserving the upper anicut padugais is under contemplation. In *South Canara*, 23 selected blocks await notification under section 4 and the preparation of the necessary notifications is being pushed on. In *North Malabar* it was proposed to purchase two blocks of lands in the *Kóttayam* taluk and the proposal has recently been before Government. In *South Malabar*, three blocks remain to be notified under section 4 and draft notifications for two have been prepared. The other selection, the *Silent valley*, has still to be preliminarily demarcated. The completion of settlement of the two blocks referred to in the last year's report as pending in *North Coimbatore* still awaits the receipt of the Survey of India maps. It is probable that one of these blocks will be abandoned. In *Madura*, the question of reserving the downs lying between *Gundar* valley extension and the *Travancore* frontier is under consideration. Selections in other districts are reported to be almost complete.

The subjoined abstract gives the sanctioned estimate of areas for reservation in each district, the total area brought under the Forest Act, the additional estimated area selected or to be selected and the percentages of the estimated area proposed to be reserved to the total area of Government and unoccupied lands:—

ABSTRACT D.

District.	Sanctioned estimate of areas for reservation.	Area brought under the Forest Act—vide last column of Form 44.	Additional estimated area selected or to be selected.	Total estimate proposed to be reserved.	Percentage of column 5 to the area of Government lands in the district.	Percentage of column 5 to the area of unoccupied Government lands in the district.
1	2	3	4	5	6	7
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	656	538	60	598	13.48	15.68
Vizagapatam	415	344	..	344	24.93	30.96
Gódvári	997	1,027	..	1,027	26.35	44.77
Kistna	1,165	1,059	..	1,059	18.84	43.91
Kurnool	2,677	2,703	..	2,703	41.04	60.21
Bellary	629	(d) 636	49	685	14.75	36.40
Anantapur	535	510	..	510	10.89	19.64
Cuddapah	2,640	2,389	..	2,389	31.51	48.92
Nellore	1,132	761	..	761	18.67	32.70
Chingleput	231	214	..	214	10.43	20.98
North Arcot	(a) ..	1,295	..	1,295	33.10	50.67
South Arcot	835	664	..	664	13.99	28.96
Salem	1,594	1,650	..	1,650	30.62	51.24
Trichinopoly	(x) ..	316	1	317	11.80	31.29
Tanjore	23	19	..	19	00.76	2.70
South Canara	1,011	1,075	..	1,075	27.68	33.88
Malabar	(b) 273	501	80	581	10.37	14.03
The Nilgiris	(c) 411	498	..	498	52.04	76.73
Coimbatore	(d) 1,812	2,311	13	2,324	32.39	70.68
Madura	(a) ..	620	..	620	19.09	39.97
Tinnevely	440	436	..	436	12.22	34.38

(a) No definite schemes were formulated and approved for the district.

(b) Final schemes were submitted only for the Northern Divisions of the districts.

(c) Excludes leased forests.

(d) Includes leased forests, 62 square miles.

The additional extent shown against *Ganjám* represents the correct area of the two Pondakhhol blocks which was wrongly estimated at 22 square miles during the last year. The figure shown against *Malabar* is the approximate area of the two blocks of land in the Kottayam taluk which it has been recently decided to purchase.

Reserved Lands not brought under Settlement.

8. The extent of the above is shown in Appendix E. The area to be notified was largest in *South Canara*. Only 15 square miles were transferred for settlement during the year and steps were being taken at its close for the submission of draft notifications under section 4 in respect of the remaining area. In *Kurnool* good progress was made in the year and, as already reported, sketch-maps are being prepared for the pending blocks. Out of 48 square miles remaining in *South Malabar*, only 29 square miles had still to be transferred for settlement; draft notifications for 2 square miles were ready and the remaining Silent Valley block was pending preliminary demarcation. The balance of land left in *Kistna* and *Vizagapatam* will, for the present, remain as reserved lands, while the remaining areas in the *Nilgiris*, *Bellary* and *South Malabar* were mostly leased forests. The area remaining to be finally constituted reserved forest at the commencement of the current year was 1,642 square miles and adding to this about 400 square miles of reserved land likely to be brought under settlement in the near future and 203 square miles of new selections, there were 2,245 square miles for final settlement. Out of these, 795 square miles have been practically settled by the Forest Settlement-officers. The Board is exercising a close check on the work of the Special Forest Settlement-officers and it is hoped that the work remaining will be completed by the two special officers within the 31st March 1905, the sanctioned date for their retention.

Survey of proposed reserves.

9. In *Ganjám* a surveyor was employed for nearly five months surveying 43 miles of boundary. The services of the surveyor attached to the Working-plans officer, Northern Circle, were lent to the district for nearly three months and he carried out a contour survey over an area of 23 square miles. In addition, 19 miles were surveyed by Rangers. In *Vizagapatam*, a ghát road was aligned and levelled and the boundaries and coupe lines of a working circle were modified. The surveyors in *Kurnool* surveyed the unsurveyed fields and demarcated reserves for submission of draft notifications under section 4 of the Forest Act. In *Salem* one surveyor was employed for surveying old coupes and computing areas for the preparation of working plans and for marking out coupes to be worked during the year and a second was engaged in surveying coupes and bamboo blocks and in tracing a ghát road. The coffee estates on the Anamalais in *South Coimbatore* are now being re-surveyed in pursuance of the Board's orders.

(iii) DEMARCATION.

10. The length and cost of boundary lines preliminarily demarcated during this and the previous years are shown in the following statement :—

Preliminary Demarcation Work.

1	During 1900-1901.			During 1901-1902.		
	Miles.	Cost.	Average per mile.	Miles.	Cost.	Average per mile.
2	3	4	5	6	7	
<i>Northern Circle.</i>						
		RS.	RS. A. P.		RS.	RS. A. P.
Ganjám	29	157	5 6 7	15	49	3 4 3
Vizagapatam	11	88	8 0 0	5	42	8 6 5
Gó dá vari	2	7	3 8 0	15	136	9 1 0
Kistna	5	(b) 66	13 3 2	..	..	..
Kurnool	215	(b) 563	2 9 10	73	226	3 1 6
Bellary	30	(d) 165	5 8 0	24	49	2 0 8
Anantapur .. .. .	..	..	..	..	..	..
Total, Northern Circle ..	292	1,046	3 9 4	132	502	3 12 10
<i>Central Circle.</i>						
Cuddapah .. .. .	..	..	..	..	..	..
Nellore	6	18	3 0 0	1	2	2 0 0
Chingleput .. .. .	..	..	..	..	..	..
North Arcot .. .. .	..	..	..	..	..	..
South Arcot .. .. .	..	..	..	..	..	..
Salem	63	288	4 9 1	3	9	3 0 0
Trichinopoly .. .. .	..	..	..	..	..	..
Tanjore .. .. .	..	..	..	..	..	..
Total, Central Circle ..	69	306	4 6 11	4	11	2 12 0
<i>Southern Circle.</i>						
South Canara	153	(b) and (c) 102	0 10 8	244	76	0 5 0
North Malabar .. .. .	..	..	..	..	(a) 96	..
South do. .. .. .	..	..	..	..	..	..
The Nilgiris	10	27	2 11 2	2	6	3 0 0
North Coimbatore	37	(b) 322	8 11 3	16	159	9 15 0
South do. .. .. .	..	(e) 5	..	..	..	..
Madura .. .. .	..	..	..	..	..	..
Tinnevely .. .. .	..	..	..	2	12	6 0 0
Total, Southern Circle ..	200	456	2 4 6	264	349	1 5 2
Grand Total, Presidency ..	561	1,808	3 3 5	400	862	2 2 6

(a) This sum was spent in clearing boundary lines in the Ladysmith reserve to facilitate Forest Settlement-officer's inspection.

(b) Includes cost of erecting cairns.

(c) Amount spent in clearing boundary lines for Forest Settlement-officer's perambulation.

(d) Includes cost incurred in clearing lines, etc.

(e) Amount spent on account of labour engaged in cutting jungle and checking boundary stones of many reserves.

During the year no work was done in *Anantapur*, *Kistna*, *Cuddapah*, *Chingleput*, *North Arcot*, *South Arcot*, *Trichinopoly*, *Tanjore*, *North* and *South Malabar*, *South Coimbatore* and *Madura*. The total outturn of work in the Presidency was smaller than in the previous year, due to selections being nearly complete in most districts.

The average cost per mile was less than in the previous year for the Presidency and for the Central and Southern Circles, but greater in the Northern Circle. Taking the districts individually, *Gódvári* shows an abnormal increase due to difficulty in demarcating swampy land through thick mangrove forest in the Coringa extension. The decrease in *Ganjám* is due to the line passing through low scrub and to the higher rate in the previous year for demarcating the Pondakhol agency, and that in *Bellary* to the absence of thick growth on the lines demarcated. The variations in the other districts are slight and need no explanation.

Permanent Demarcation.

11. The length and cost of boundary lines permanently recleared and demarcated during the year are compared in the following abstract with those of the previous year's clearing. Form No. 46 shows the work remaining to be done at the close of the year.

ABSTRACT G.—Demarcation

District.	Perma		
	During 1900-1901.		
	Miles.	Cost.	Average cost per mile.
1	2	3	4
<i>Northern Circle.</i>			
Ganjám	272	(a) ^{RS.} 3,130	^{RS. A. P.} 11 8 1
Vizagapatam	81	(a) 1,116	13 12 5
Gódvári	49	(a) 667	13 9 9
Kistna	(k) 161	{ (a) 1,854 (b) 275 }	13 3 7
Kurnool	337	(a) 2,834	8 6 6
Bellary	85	200	2 5 8
Anantapur	3	78	26 0 0
Total, Northern Circle ..	988	10,154	10 4 7
<i>Central Circle.</i>			
Cuddapah	276	1,910	6 14 9
Nellore	65	(a) 501	7 11 4
Chingleput	33	{ (a) 207 (b) 235 (b) 479 }	27 14 6
North Arcot	{ (l) 99 13 }	1,125	10 0 8
South Arcot	15	(a) 618	41 3 2
Salem	16	73	4 9 8
Trichinopoly	88	694	7 14 2
Tanjore	19	79	4 2 6
Total, Central Circle ..	624	5,921	9 7 9
<i>Southern Circle.</i>			
South Canara	216	3,697	17 1 10
North Malabar .. .. .	..	..	..
South Malabar .. .. .	..	..	..
The Nilgiris	45	932	20 11 5
North Coimbatore	79	(a) 694	8 12 7
South Coimbatore	8	4	0 8 0
Madura .. .. .	..	..	..
Tinnevely	(q) 8	{ (o) 553 264 }	36 2 0
Total, Southern Circle ..	356	5,616	15 12 5
Grand Total, Presidency ..	1,968	21,691	11 4 4

(a) Includes cost of erecting cairns.

(b) Includes cost of temporary establishment.

(c) Cost of cutting one and a quarter miles of compartment lines. (f) Includes cost of planting and transplanting slabs.

(i) Represents cash recoveries.

(m) Added or deducted as per Accountant-General's audited figures.

(o) Excludes amount recovered from Travancore State and from Singampatti Zamin Estate for demarcating zamin.

(p) Includes Rs. 531 spent in clearing rights of way, boundary coupes and block lines.

Work done during 1901-1902.

nant.			Reclearing old lines.			
During 1901-1902.			During 1900-1901.		During 1901-1902.	
Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
5	6	7	8	9	10	11
255	(a) RS. 2,987	RS. A. P. 11 11 7	33	RS. 138	41	RS. 334
24	530	22 1 4	348	686	366	{ — (m) 84 (a) & (b) 42
54	(a) & (d) 677	12 8 7	503	(b) 774 {	3 (a) 786	{ — (m) 1,310 (a) & (b) 676
166 {	(a) 1,807	} 21 2 4	26	183	19	366
	(b) 1,698					
	(c) 5					
211	1,345	6 6 0	16	144	..	..
39	242	6 3 3	351	657	429	{ — (m) 203
6	35	5 13 4	36	85	4	{ — (m) 74 4
755	9,326	12 5 8	1,313	2,667	1,648	1,509
186	1,083	5 13 2	46	89	11	{ — (m) 15
168	(a) 1,482	8 13 2	33	108 {	22	{ (a) 50
	(e) 125				(e) 20	{ + (m) 78
	(f) 115					{ + (m) 3
1 {	(g) 35	} .. {	30	22 {	2	{ — (m) 3
	(h) 82		(c) 529		(e) 639	{ — (m) 22
	(b) 464					
(j) 120	991	8 4 2 {	20			
			(c) 1,968	117	(e) 2,091	— (m) 32
21 {	(a) 285	9 6 1 {	22	28	(c) 92	+ (m) 13
	(i) — 88		(e) 30			
41	44	1 1 2 {	444	408 {	2,582	{ + (m) 451
133	756	5 10 11 {	(e) 1,070		(e) 62	{ + (m) 126
			5	67 {	5	{ — (m) 59
15	46	3 1 1	(e) 358		(e) 388	{ — (m) 19
			..	..	(e) 64	..
685	5,420	7 14 7	4,555	839 {	2,622 (e) 3,356	630
376	4,625	12 4 9	19	30	47	{ — (m) 228
5	216	43 3 2	..	8	..	{ — (m) 67
12	(a) 382	31 13 4	..	..	15	{ — (m) 98
83	1,636	19 11 4	56	899	22	{ + (m) 166
71	1,030	14 8 1	30	{ (a) 182 (p) 745	12	{ + (m) 134
3	6	2 0 0	..	..	9	{ — (m) 6
..	..	..	{ 39			{ — (m) 67
			450	{ (a) 655	37	{ + (m) 2,239
					(e) 465	{ — (m) 65
						{ — (m) 2
						{ (n) 792
						{ — (m) 71
						{ + (m) 231
46	1,202	26 2 1	15	90	38	{ + (m) 25
596	9,097	15 4 3	609	2,609	{ 180 (e) 465	3,704
2,036	23,843	11 11 4	{ (e) 2,522 3,955	6,115	{ 4,450 (e) 3,821	5,843

(c) Cleared by the Forest establishment free of cost.

(g) Cost of removing of prickly-pear.

(k) Includes 13 miles of compartment lines.

(n) Includes cost of clearing working circle lines, whitewashing survey stones, &c.

boundary according to the decision of the Privy Council.

(q) Excludes demarcation of Singampatti Zamin boundary, &c. (12 miles).

(d) Includes cost of rectification of boundaries.

(h) Coupe line clearings of about 33 miles.

(l) Rectification of boundaries.

Compared with the previous year, there was an increase of 68 miles in the total length of lines permanently demarcated. There was also a slight increase in the average cost per mile for the Presidency. Taking the circles, it is observed that in the Northern Circle the rate per mile increased from Rs. 10-4-7 to Rs. 12-5-8, while in the Central and Southern Circles it fell from Rs. 9-7-9 and Rs. 15-12-5 to Rs. 7-14-7 and Rs. 15-4-3 respectively.

Satisfactory progress was made in several districts. In *Kistna*, *Anantapur*, *Chingleput*, *North Arcot*, *Tanjore* and *North and South Coimbatore*, permanent demarcation was practically complete and in *Bellary*, *Salem* and the *Nilgiris* very nearly so. The outturn in *Ganjam*, *Kistna*, *Kurnool*, *Cuddapah* and *Nellore* has been fair, though in some of these districts there is still a large area to be permanently demarcated. The outturn in *Bellary* was poor as there was little area left to demarcate, and the small outturn and heavy expenditure in *Vizagapatam* was due to the line running through uninhabited Agency tracts where labour is difficult to procure.

Compared with the cost rate of the preceding year, there was a marked increase in *Vizagapatam*, *Kistna* and *North Coimbatore* and a noticeable decrease in *Anantapur*, *South Arcot*, *South Canara* and *Tinnevely*. The cause of the increase in *Vizagapatam* has already been explained. In *Kistna* it was due to the use of slab cairns in the place of mud or stone heaps, while the dense growth of prickly-pear in the Bhavani range is responsible for the increase noticed in *North Coimbatore*. A satisfactory decrease occurs in *Anantapur*, *South Canara* and *Tinnevely*. The decrease in *South Arcot* was only nominal, the demarcation being left incomplete, the work of planting slabs not having kept pace with line-clearing.

Reclearing Boundaries.

A length of 4,450 miles of line was recleared at a cost of Rs. 5,843 against 2,522 miles at a cost of Rs. 6,115 in the previous year. A length of 3,821 miles was cleared by Forest subordinates free of cost, against 3,955 miles in the previous year. The expenditure was mostly incurred in the Southern Circle.

(iv) SURVEYS.

12. As in previous years, the combined Nos. 9 and 19 Parties, Survey of India, were divided into four sections, each under the immediate charge of an officer of the Provincial service. Their outturn during the year is shown in the following statement:—

District.	Triangulation.	Traversing.	Topography.	
			Total.	Reserved forests.
	SQ. MLS.	MLS.	SQ. MLS.	SQ. MLS.
Kurnool	420	131	435	347
Cuddapah	710	125	501	417
North Coimbatore .. .. .	..	..	7	6
South Canara	550	158	302	167
Total ..	1,680	414	1,245	937

In the subjoined table are compared the areas surveyed and the cost during the year with the figures of the two previous years:—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1899-1900.	1900-1901.	1901-1902.	1899-1900.	1900-1901.	1901-1902.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Triangulation	1,429	1,335	1,680	13·7	8·8	8·3
Traversing	* 312	* 771	* 414			
Topography	1,524	1,378	† 1,306			
				58·1	58·0	58·8

* Linear miles.

† Includes 61 miles of resurvey in Cuddapah, North Coimbatore and South Canara.

The actual expenditure for the survey year, including cost of instruments, was Rs. 91,625 against Rs. 93,335 in 1900-1901. The total cost debitable to the Forest Department, after deducting contribution of the Government of India, amounted to Rs. 62,125 as against Rs. 68,448 in the previous year. The decrease is reported to be due to debiting other departments with a portion of the pay and allowances of the staff engaged in work for those departments. The average cost of triangulation and traversing was slightly lower than in the previous season and that of topography a little higher.

The several sections left Bangalore early in November and their return was postponed to allow of a six months' field season. As in the previous year, their work was confined to the districts of Kurnool, Cuddapah, South Canara and North Coimbatore. The triangulation was much in excess of the two previous years owing to the employment of an extra triangulator, but traversing and topography were less, the former owing to the uncleared state of the boundary lines in South Canara and the latter to the thicker forest in Cuddapah, where the chain had to be more extensively used.

The office at Bangalore was visited by the District Forest-officers of Kurnool, Cuddapah and South Canara for verifying the season's work, with the result that, as in the previous years, some of the maps had to be withheld from publication owing to errors in demarcation, &c. Eleven sheets of the Kurnool district and 34 of Cuddapah have been forwarded to Dehra Dún for publication.

Departmental Survey.

13. In *Kistna* Rs. 1,947 were spent in local forest surveys. In *Chingleput* surveying was done by the Range officers themselves and in *North Arcot* old coupes were surveyed by the Rangers under the Special Working-plans Officer. A temporary surveyor in *South Canara* demarcated six blocks in ten months. In *North Malabar* a deputy surveyor was deputed to survey some hills in the Kanoth reserve proposed to be set aside for "Ponam" cultivation.

14. The outturn of work by the draughtsmen employed in the various districts is shown in Appendix F. Ten thousand three hundred and forty-six square miles were finally mapped out of the total area of 17,154 square miles of reserved forests. Particulars for each district are to be found in Appendix G.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. REGULATION OF MANAGEMENT.

(a) Working-plans and their Control.

15. As shown in Form No. 48, working-plans for 1,613 square miles were sanctioned by the Board of Revenue during the year and plans for 1,894 square miles were under preparation at its close. This is a marked advance on the previous year's outturn which was 658 square miles under sanctioned plans and 1,061 square miles under preparation. The amount spent on the work was Rs. 2,282.

WORK OF THE SPECIAL WORKING-PLANS OFFICERS.

Northern Circle.—Little progress was made in the preparation of working-plans by the special Working-Plans officer, Mr. F. C. L. Cowley-Brown. He started work in several districts, but was obliged to take leave on account of ill-health before much had been completed. Mr. S. Cox was appointed to act during his absence.

Central Circle.—Mr. H. B. Bryant, Deputy Conservator of Forests, was the Working-plans officer till 20th January 1902. Mr. V. S. Gurunatha Pillai, Extra Assistant Conservator, assumed charge of the work on 8th February 1902. The working-plan for Ambur block covering an area of 82 square miles prepared by Mr. Bryant was sanctioned by the Board during the year. Working-plans for the

Gudiyáttam and Palmanér ranges, for which reconnaissance reports had been submitted in the previous year by the same officer, were also completed and sanctioned. A reconnaissance report was submitted for the Chandragiri range during the year.

Southern Circle.—Mr. G. F. Foulkes, Deputy Conservator, continued to be the Working-plans officer. He visited the districts of *North Malabar* and *South Canara* and submitted plans for the forests of Begur and Chedleth in the former and for those of Coondapoor, Udipi, Uppinangadi and Mangalore ranges in the latter. The following working-plans drawn up by him for *South Coimbatore* were sanctioned by the Board: (1) Walayar (revised), (2) Amaravati, (3) Anamalai outer slopes of the Pollachi range, (4) Méttupálaiyam range and (5) Bolampatti range. The working-plans for the forests in North Malabar and South Canara submitted by him have also since received the Board's sanction.

The following summarises the work done in each district in this direction :—

Northern Circle.

In *Ganjam*, working-plans were prepared by the District Forest-officer for the three reserves of the Mohiri hills and for two working circles—one in the Bugada and the other in the Surada range. They were returned to him by the Conservator for revision. The reports of valuation of the sál forests in the Goomsur range were not acted upon, Mr. Cox being instructed to prepare a definite plan. Three working-plans for 21 square miles in *Vizagapatam* were submitted and approved during the year. In *Górávari*, the following working-plans received the sanction of the Board since the close of the year: (1) Rekkapalli hills, (2) Coringa reserve and (3) Kandikuppa and Bendamurlanka plantations. The whole of the reserves in the Delta range are now under sanctioned working-plans. In *Kistna*, a revised plan for 43 square mile was sanctioned. In *Kurnool*, a working-plan for the Kurnool and Dhone working circles was submitted to the Conservator for approval, and the special officer submitted a preliminary report on the forests north of the railway working circles in the Nallamalai Hills. In *Bellary*, the working-plans prepared by Mr. Hooper in 1893 and by Mr. Muttannah in the year previous to the one under report were carried out. The working-plan for 24 blocks in the Adóni range was returned by the Conservator for revision. In Bellary range, statistics were collected for the preparation of a working-plan for three blocks comprising an area of 71 square miles. In *Anantapur* one plan was prepared but proved unworkable.

Southern Circle.

Mr. N. M. Rego, Probationary Extra Assistant Conservator, was attached to the *Cuddapah* district towards the close of the year to assist in the preparation of working-plans and the reconnaissance for simple plans in the Cuddapah and Kadiri taluks is under preparation. Located fellings were commenced in six coupes in Cuddapah and two in Sidhout in accordance with preliminary simple plans. Two coupes in Bala-palle working circle were sold to a contractor at Rs. 5 per acre, the standards having been first marked. The gross yield per acre amounted to 11 cart-loads of fuel and 16 cart-loads of brush-wood. In *Nellore*, a revised working-plan was under preparation for Survepalle and its extension; also for the Kanupur east reserves—an area of about 7 square miles in all. The working-plans in *Chingleput* sanctioned during the previous year were cancelled being faulty, and fresh plans were under preparation and in anticipation certain reserves in both the ranges of the district were marked out into coupes and the year's fellings sold by public auction. The working-plans for *North Arcot* are being prepared by the special Working-plans officer. For working bamboos in Ambur block, revised plans were sanctioned by the Board. In the case of *South Arcot*, a temporary plan for the Tiruvannámalai range was sanctioned by the Board. Three working-plans were sanctioned during the year in *Salem* in addition to the eight already in force, four others being under consideration by the Conservator. Working-plans have yet to be prepared in the district for 1,075 square miles of reserved forests and lands. In *Trichinopoly*, the prescriptions of the working scheme regarding the order of felling were not adhered to in Lalapet, Settalavoi and Kattalai blocks, in the Kásan coupes of the Udayárpálaiyam range and the fuel coupes of the Manapparai reserves. The plans are now being brought up to date. The working scheme for the upper anicut padugais was again deviated from for reasons

explained in the previous year's report. Working-plans for all the forests notified under section 16 are under preparation, each working-plan comprising all the forests in a range. A working-plan for the reserves in the Tanjore taluk framed by the District Forest-officer, *Tanjore*, was returned to him by the Conservator for revision.

Southern Circle.

The working-plans for *South Canara* and *North Malabar* prepared by Mr. Foulkes, the Special Working-Plans officer, received the Board's sanction after the close of the year. The working of the coupes on the selection system was given up in *South Malabar* and improvement fellings were sanctioned by the Conservator instead. The Walayar reserve was transferred to the South Coimbatore division and its revised working-plan was sanctioned by the Board. The working-plan prepared by Mr. Foulkes for the Jakanare slopes, 6,400 acres in extent, was sanctioned by the Board; but its working will not be taken in hand until 1902-1903. That for the Talamalai range, *North Coimbatore* district, received the Board's sanction. As the working-plans received from *South Coimbatore* were sanctioned only towards the close of the year, no operations were undertaken. In the case of *Madura*, a working-plan for the Cumbum range was sanctioned during the year. For *Tinnevely* four working-plans were sanctioned during the year by the Board of Revenue. There were some alterations in the plans already sanctioned, due to changed conditions.

(b) *Annual Plans of Operations.*

16. The annual plans of operations were adhered to except in the following instances :—

Northern Circle.

In *Ganjām* the provision for the supply of fuel to the East Coast Railway was not given effect to, as no arrangement could be come to. The preliminary demarcation of Pondakhol reserve did not progress owing to the obstruction offered by the Khonds. The repairs to the Kopalli-Gummalur cart-track in the *Godāvari* district could not be paid for owing to the illness and death of the Range officer. The Range office at Jidiguppa was not completed owing to the slackness of the contractor. The final demarcation of the Papikonda reserve was not carried out, as the boundary along the Nizam's Dominions could not be traced. A supply of 1,100 tons of lighting fuel was made to the Madras Railway Company at a cost of Rs. 2,314, though the transaction had not been provided for in the annual plan. In *Kurnool*, the road from Gazulapalle to Basavapuram, the Ernapad timber slide and part of the road from Chelama to Bandlapenta were undertaken though not mentioned in the plan, as well as repairs to the Paler-Dam rest-house and Nandyal head-quarters and range-house. The hill bungalow at Penukonda in the *Anantapur* district was not completed, as it was accidentally burnt down.

Central Circle.

In *Cuddapah*, deviations were found necessary owing to the absence on leave of the permanent District Forest-officer and the transfer of the Sub-Divisional officer from the district. The departmental collection of small timber in Badvel was not undertaken. A less quantity of redwood roots and stumps was collected owing to the previous year's stock being undisposed of. The repair of certain bungalows was undertaken instead of the construction of certain inspection sheds. For want of demand, a less number of coupes was sold in the *Chingleput* district. In *North Arcot* the re-construction of a portion of the Patrakad ghât road which had been washed away by heavy rains necessitated increase of expenditure under A VII (a). In *South Arcot*, the construction of the guards' and watchers' lines at Shanikolam was deferred, the estimate not being submitted in time. The bamboo blocks in Harúr, *Salem* district, were leased out instead of being worked departmentally. In *Trichinopoly*, the supply of fuel to the Boer camp had to be undertaken. Certain casuarina compartments in *Tanjore* were not planted up owing to the slackness of the establishment.

Southern Circle.

In *South Canara*, no progress was made in the construction of the rest-house in Coondapoor range and two guards' huts in Mangalore range. In *North Malabar*, no timber was felled in Begur range, there being a quantity unsold and no new elephant pits were dug. In *South Malabar*, the construction of a ghât road in the new Amarampalam reserve was not taken up, a bridle-path having been substituted. In *North Coimbatore*, owing to the outbreak of plague, the collection of timber in Kollegal could not be carried out. The mode of construction of the Yekkatur ghât road was altered. Though not provided for in the plan of operations, the saw-mill and the Supervisor's quarters at Mount Stuart, *South Coimbatore*, were repaired and rollers were fitted to the wire ropeway. Two groynes were built in the Tunakadavu river and a bridge was constructed over it. In *Madura*, the construction of feeder roads, connecting the coupes in the Kanavoipatti and Palamedu ranges with the main roads, was not undertaken, the necessary estimates not being prepared as the two ranges were under one Ranger almost throughout the year. In *Tinnevelly*, fuel supply to the new railway was undertaken departmentally.

2. COMMUNICATIONS AND BUILDINGS.

(a) *Roads, Bridges, &c.*

17. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

						1900-1901.	1901-1902.
						RS.	RS.
Roads and bridges	...	...	...	...	...	32,483	54,010
Buildings	...	...	...	...	...	42,377	48,837
Other works	...	...	...	...	...	6,960	10,991

Compared with the figures of the previous year, there was an increase of expenditure under all heads, that under " Roads and bridges " being most marked.

In the *Northern Circle* Rs. 8,489 was spent on roads and bridges against Rupees 7,807 in the previous year. A large portion of the expenditure was incurred in *Gôdâvari* and *Kurnool*. The work in *Gôdâvari* consisted of the construction of (1) 7 miles of timber track in compartment I, Rekapalli, (2) a bridle-path, nearly 5 miles long, from Koratur up to Bison hill, and (3) the last 3 miles of the Vatangi-Rajavomangi road in Peddapur range. In *Kurnool* the road from Velgode to Sudempenta was under construction.

In the *Central Circle* there was an expenditure of Rs. 13,501 against Rs. 9,981 in the previous year on roads, chiefly in *North Arcot* and *Salem*. In the former district 90 miles of roads and 270 miles of bridle-path were maintained. In addition to the above, three ghât roads on the Javadis aggregating 20 miles in length were constructed by fuel contractors without any direct cost to Government. A portion of the Patrakad ghât road washed away during the rains was also repaired. In *Salem* the expenditure was incurred in constructing (1) a portion of the road from Andiappanur to Karutangudi, (2) the Mallapuram ghât road, and (3) a cart-track from Kiripatti to the foot of the Chitteris, also in repairs to existing roads and on petty works.

In the *Southern Circle*, the expenditure on roads amounted to Rs. 32,020 against Rs. 14,695 in the previous year, and the bulk was spent in *North Malabar*, the *Nilgiris*, *North and South Coimbatore* and *Tinnevelly*. Repair of the existing roads was the object of the expenditure in *North Malabar*, the *Nilgiris* and *South Coimbatore*. In the *Nilgiris*, a new road to the Mudumalai station was opened, as also one in Bleakhouse plantation and another in Blackbridge rock plantation in the Coonoor range. In *North Coimbatore*, a cart-track, 18 miles long, was nearly finished and a portion of a bridle-path, 17 miles long, was converted into a cart-track as well and about 2 miles of a new cart-track were constructed. In *Tinnevelly*, in addition to the repairs to the existing ghât road, two roads were constructed to improve the lines of export from certain working circles.

Under Buildings, the most important works undertaken in the *Northern Circle* were the construction of a rest-house at Tamana in *Ganjam* and one in *Kistna*, and the completion of the rest-house at Pecheruvu in *Kurnool* commenced last year. Progress was made with the construction of the Amagondapaliyam rest-house in *Anantapur*. In the *Central Circle*, the Udayagiri Range-office building in *Nellore* was begun at the end of the year. In *Chingleput*, the soldiers' shed at Avadi was converted into a forest rest-house. The most important works in *North Arcot* were the construction of the bungalows at Attimur and Arasampet, the completion of one at Mamandur and of the ranger's quarters at Kylasagiri. In *Salem* a shed for agricultural implements was constructed at Mallapuram and three rest-houses were repaired. The new District Forest-office in *South Malabar* was nearly completed. In the *Nilgiris* a rest-house was built in the Segur range in addition to an out-house to the District Forest-officer's serambi and a hut for the range clerk at Benne. Rupees 1,443 were spent on the construction of the rest-house at Aiyalur, *Madura* district. The principal work in *Tinnevely* was the building of a line of huts for forest subordinates at Mudangiar, Srivilliputtur range. There were no works of importance in other districts, but petty construction and repairs went on in all.

(b) *Tramways.*

18. During the year, there were $2\frac{1}{2}$ and $8\frac{1}{2}$ miles length of tramway in the Sriharikota and Coast ranges, respectively, in the *Nellore* district. In the former 9,460 tons were carried or 23,650 ton-miles run as against 3,450 tons or 8,626 ton-miles in the previous year; in the latter range 5,523 tons or 13,561 ton-miles were trammed against 10,434 tons or 21,881 ton-miles in 1900-1901. The trams continued to be worked by handpower. In *South Coimbatore* the total quantity of timber trammed was 48,546 cubic feet against 39,832 cubic feet in the preceding year. Of the above, 12,951 cubic feet were drawn by Government bullocks. Though the quantity of wood trammed was greater, it was carried a shorter distance and the total outturn of ton-miles was therefore smaller than in the previous year. The poor outturn is reported to be due to heavy rains which damaged the roads and washed away several bridges.

3. PROTECTION OF FORESTS.

(a) *General Protection and Breaches of Forest Laws.*

19. The reported forest offences are compared with those of the preceding year in the following statement:—

Circle.	Year.	Number of cases pending at the commencement of the year.	New cases of the year.					Total cases.	Cases pending at the close of the year.
			Injury by fire.	Unauthorised felling, &c.	Illicit grazing.	Other offences.	Total new cases.		
Northern	1900-1901 ..	644	52	2,771	1,976	231	5,030	5,674	593
	1901-1902 ..	593	43	3,464	2,505	398	6,410	7,003	983
	Difference ..	— 51	— 9	+ 693	+ 529	+ 167	+ 1,380	+ 1,329	+ 390
Central	1900-1901 ..	2,030	147	6,741	6,309	796	13,993	16,023	2,549
	1901-1902 ..	(a) 2,616	111	7,348	6,637	643	14,739	17,355	2,691
	Difference ..	+ 586	— 36	+ 607	+ 328	— 153	+ 746	+ 1,332	+ 142
Southern	1900-1901 ..	451	55	1,887	940	225	* 3,107	3,558	546
	1901-1902 ..	546	105	1,677	656	163	* 2,601	3,147	455
	Difference ..	+ 95	+ 50	— 210	— 284	— 62	— 506	— 411	— 91
Presidency	1900-1901 ..	3,125	254	11,399	9,225	1,252	22,130	25,255	3,688
	1901-1902 ..	(a) 3,755	259	12,489	9,798	1,204	23,750	27,505	4,129
	Difference ..	+ 630	+ 5	+ 1,090	+ 573	— 48	+ 1,620	+ 2,250	+ 441

* Excludes petty offences.

(a) *Vide* explanation in Form No. 50 for variations in the opening balance.

There was a net increase of 7.32 per cent. in the total number of new cases in the Presidency and it occurred under all heads except "other offences". In the Northern and Central Circles there was an increase of 27.43 per cent. and 5.33 per cent., respectively, while there was a decrease of 16.28 per cent. in the Southern Circle. In the districts individually, there was a decrease in the number of offences in *Anantapur*, *Chingleput*, *South Arcot* and *Madura*, but this was more than counterbalanced by increase chiefly in *Vizagapatam*, *Kistna*, *Bellary*, *Nellore*, *North Arcot* and *Salem*. Cases of "injury by fire" increased in the Southern Circle, chiefly in *North Coimbatore*, while in the other two circles the return shows decrease under this head. Incendiarism is reported to be the cause for the increase in *North Coimbatore*. As usual most of the cases of fire remained undetected.

Under "Unauthorised felling" there was a large increase in *Bellary*, *North Arcot* and *Salem*, while there was marked decrease in *Chingleput* and *Madura*. In other districts the variations were slight. In *Bellary* the increase is declared to result from better supervision, while that in *North Arcot* was due to the large number of cases of smuggling of dead wood, red sanders especially, detected in the Chendragiri range. The number of cases in *Salem*, though large, is proportionately small when the vast forest area of the district is taken into consideration. The increase was due to several causes, one of them being the influx of labourers for the Yercaud ghât road. The decrease in *Chingleput* and *Madura* is ascribed to better supervision and increased vigilance on the part of the protective staff.

Grazing offences increased largely in *Kistna* and *Bellary*, but decreased noticeably in *Anantapur* and *Madura*, while in the other districts the variations were small. The increase in *Kistna* was the result of the partial failure of the rains and the consequent attempt of graziers to trespass into closed areas, and that in *Bellary* to the activity of the establishment. The cause of the decrease in *Anantapur* was the stricter control exercised over the subordinate staff; the decrease in *Madura* is attributed to better supervision.

The working of the enhanced rate of pound fees in the Tiruvannâmalai taluk, *South Arcot*, introduced in 1897-98 is shown below:—

Year.	Number of animals.	Pound fees.	Compensation.	Fines.	Total.
		RS.	RS.	RS.	RS.
1897-98	19,758	3,478	3,940	711	8,129
1898-99	18,722	3,940	2,710	823	7,473
1899-1900	11,433	2,728	2,105	528	5,361
1900-1901	11,494	2,757	2,487	691	5,935
1901-1902	11,923	2,826	2,603	848	6,277

The number of animals impounded was slightly greater than in the previous year, but perceptibly less than the numbers of the first two years. The Collector is of opinion that the figures indicate slow but steady progress in the prevention of cattle trespass.

Under "Other offences," there was a noticeable decrease in *Gôdâvari*, *Cuddapah*, *Chingleput*, *Trichinopoly*, *South Canara* and *Madura*, while increases occurred chiefly in *Vizagapatam*, *Kurnool*, *Bellary*, *North Arcot* and *Salem*. In other districts the variations were small.

The number of cases pending at the close of the year was 4,129 against 3,688 in the previous year.

20. The disposal of reported offences during the year is compared with that of the previous year in the following abstract.

Circle.	Year.	Total.	Withdrawn.				Compounded.		Prosecuted.		Percentage of cases prosecuted to disposals.	Percentage of acquittals to cases prosecuted.
			Undetected.	Withdrawn.	Total.	Percentage of column 6 to col. 3.	Number.	Percentage.	Convicted.	Acquitted.		
North-ern.	1900-1901..	5,081	211	510	721	14.19	2,889	56.86	1,317	154	28.95	10.47
	1901-1902..	6,020	105	587	692	11.50	3,491	57.99	1,693	144	30.51	7.84
	Difference.	+ 939	- 106	+ 77	- 29	- 2.69	+ 602	+ 1.13	+ 376	- 10	+ 1.56	- 2.63
Central.	1900-1901..	13,474	848	861	1,709	12.68	8,189	60.78	3,249	327	26.54	9.14
	1901-1902..	14,664	617	575	1,192	8.13	9,101	62.07	3,928	443	29.80	10.14
	Difference.	+ 1,190	- 231	- 286	- 517	- 4.55	+ 912	+ 1.29	+ 679	+ 116	+ 3.26	+ 1.00
South-ern.	1900-1901..	3,012	122	287	409	13.58	1,326	44.02	1,110	167	42.40	13.08
	1901-1902..	2,692	252	331	583	21.66	1,235	45.87	759	115	32.47	13.16
	Difference.	- 320	+ 130	+ 44	+ 174	+ 8.08	- 91	+ 1.85	- 351	- 52	- 9.93	+ .08
Total, Presidency.	1900-1901..	21,567	1,181	1,658	2,839	13.16	12,404	57.52	5,676	648	29.32	10.25
	1901-1902..	23,376	974	1,493	2,467	10.55	13,827	59.15	6,380	702	30.30	9.91
	Difference.	+ 1,809	- 207	- 165	- 372	- 2.61	+ 1,423	+ 1.63	+ 704	+ 54	+ .98	- .34

(i) *Acquittals*.—The number of acquittals to cases prosecuted decreased by 2.63 per cent. in the Northern Circle and increased in the Central and Southern Circles by 1 per cent. and .04 per cent. respectively, resulting in a net decrease of .34 per cent. for the Presidency.

In the Northern Circle, there was an increase of 9 per cent. in *Ganjām*, due to faulty preparation of cases, while the decrease of 14 per cent. in *Bellary* and 6.8 per cent. in *Anantapur* was due to closer scrutiny exercised before sanctioning prosecutions. In the other districts there was slight decrease except in *Gódvāri* which shows an increase of 1 per cent.

In the Central Circle, there was a small decrease in *Chingleput* and *Salem* and increase in all the other districts, *Trichinopoly* ranking highest with an increase of 14 per cent. It is however explained that the proportion of acquittals would be reduced if the compounded cases were included in the return. *South Arcot* stands next with 3.8 per cent., owing to difficulty in getting convictions in cases of illicit grazing without herdsmen.

In the Southern Circle, there was decrease in all the districts except the *Nilgiris* and *North Coimbatore*, where there was an increase of 6 per cent. and 1.5 respectively. *South Malabar*, *North Malabar*, *Madura* and *South Canara* show a decrease of 25, 7.7, 6.9 and 5.8 per cent., respectively. The large decrease in *South Malabar* was due to the very small number of cases taken into court, while that in *North Malabar* resulted from larger free grants of forest produce of trifling value. In *Madura* it was due to the conclusiveness of the evidence for the prosecution. The decrease in *South Canara* was due to fewer prosecutions and larger withdrawals.

(ii) *Withdrawals*.—The percentage of cases withdrawn to cases disposed of increased in the Southern Circle, but there was a decrease in the other two circles, leaving a net decrease of 2.61 per cent. for the Presidency. In the Northern Circle, there was increase in *Ganjām*, *Bellary* and *Anantapur*, due in the first two districts to the absconding of the accused and in the last to the unsatisfactory nature of the reports and the evidence. There was decrease in all other districts, the number of cases in *Gódvāri* and *Kurnool* having fallen by 5 and 5.4 per cent., respectively. The decrease arose from certain petty cases having been withdrawn with a warning.

In the Central Circle there was a fall in all the districts except *Nellore* and *Salem*. In *Chingleput*, *North Arcot* and *South Arcot* there was a decrease of 3, 3.3 and 4 per cent., respectively, due to the system of instituting a preliminary enquiry.

In the Southern Circle there was an increase in *South Canara*, *North Malabar*, *Madura* and *Tinnevely* and a decrease elsewhere. In the last-named district there was an increase of 10.6 per cent. due to the withdrawal of all cases in which cattle were

found in the forests without graziers. The increase in the other districts is not accounted for. The decrease of 22·2 per cent. in *South Malabar* was due to the small total number of cases taken into court, and the 5 per cent. in the *Nilgiris* and 6 per cent. in *South Coimbatore* are reported to result from more careful investigation on the part of the Rangers. In *North Coimbatore*, showing a decrease of 3·6 per cent., many culprits were let off with a warning.

(iii) *Compoundings*.—There was an increase in all the circles in the percentage of cases compounded—1·13 in the Northern Circle, 1·29 in the Central Circle, 1·85 in the Southern Circle and 1·63 for the Presidency.

In the Northern Circle, there was a rise in *Ganjām*, *Vizagapatam*, *Gódvári*, *Kurnool*, almost counterbalanced by decrease in *Bellary* and *Anantapur*.

In the Central Circle there was increase in *Cuddapah*, *South Arcot*, *Salem*, *Trichinopoly* and decrease in the other districts.

In the Southern Circle there was increase in all districts except *Madura*.

As a general rule only cases involving serious offences were taken into court, while petty offences for which there was sufficient proof were compounded. The following statement compares the compensation fees realised during the year, the average amount per case and per person involved with the figures of the previous year:—

Circle.	During 1900-1901.			During 1901-1902.		
	Amount realised.	Average per case.	Average per person accused.	Amount realised.	Average per case.	Average per person accused.
	RS.	RS. A. P.	RS. A. P.	RS.	RS. A. P.	RS. A. P.
Northern	20,763	7 3 0	2 5 3	23,670	6 12 6	2 1 7
Central	52,858	6 7 3	3 4 1	63,348	6 15 4	3 3 1
Southern	6,408	4 13 4	1 12 0	10,410	8 6 10	3 3 8
Total ..	80,029	6 7 3	2 12 5	97,428	7 0 9	2 13 5

The average amount paid per head increased in the Southern Circle and in the Presidency and decreased in the Northern and Central Circles, while in the average per case there was a decrease in the Northern Circle only. There was an increase in the total amount realised in all the circles.

There was decrease in the amounts collected in the following districts, while in the rest there was an increase:—*Gódvári*, *Anantapur*, *North Arcot*, *Nellore*, *North Malabar* and *Tinnevelly*. The increase was very small in *Ganjām* and *South Canara*; in *Vizagapatam*, *Kurnool*, *South Arcot*, *Trichinopoly*, *Salem* and the *Nilgiris*, it was due to the larger number of cases compounded. Deterrent fines realised in cases of illicit fellings account for the increase in *Kistna*, *Bellary* and *Chingleput*. The increase in *Cuddapah* was due to the larger number of grazing offences detected. The amount collected in *Tanjore* was nearly double that of the previous year and was due, as in *Madura*, to the imposition of heavier compounding fees. The attention of the Collectors of these two districts as well as *Kistna*, *Bellary* and *Chingleput* will be drawn to the last sentence of paragraph 9 of B.P., Forest No. 49, dated 26th January 1899, with reference to which prosecution should have been resorted to rather than deterrent out of court fines. The increase in *South Malabar* was caused by Rs. 100 recovered in a case of shooting without a license, while that in *North Coimbatore* was the result of enhanced fees charged for illicit goat-browsing. The large increase in *South Coimbatore* was due to the compounding of an important timber theft case for Rs. 3,000. The decrease in *Gódvári* was due to a special compensation fee levied in a timber case, while in *Anantapur* it was the result of a smaller number of cases and to the petty nature of most of the offences compounded. The case of the removal of 191 cart-loads of manure leaves by certain villagers referred to in last year's report was compounded. The decrease in *Nellore* being small has not been explained, while that in *North Arcot*

was due to the large cases referred to in the previous year's report. In *Tinnevely*, the decrease was due to a smaller number of cases and the non-collection of composition fees in cases of cattle trespassing without a herdsman and in areas under enhanced pound fees. The decrease in *North Malabar* resulted from a greater number of free grants of timber, etc., of trifling value.

21. Rewards were, as usual, sparingly granted, except in *North Arcot*. In *Ganjám* Rs. 3-8-0 were awarded to abkári subordinates but not disbursed before the close of the year. In four cases Rs. 80 were paid to informers and forest subordinates in *Vizagapatam*. In *Gódvári* Rs. 65 were awarded to informers and Rs. 27-13-0 to the Abkári Department. In *Bellary* and *Anantapur*, Rs. 18-8-0 and Rs. 25, respectively, were paid to the abkári officers. In *North Arcot*, Rs. 634-10-8 and Rs. 1-8-0 were granted as rewards to the forest and abkári subordinates, respectively, but the Collector reports that he has ceased to grant rewards. In *South Arcot* and *Trichinopoly*, Rs. 20 and Rs. 55 were awarded to forest subordinates during the year. In the *Nilgiris*, Rs. 15 were granted to informers while Rs. 90 were disbursed in *South Coimbatore* in connection with a timber theft case. In *North Coimbatore*, a portion of a reward granted during the previous year was disbursed this year in addition to Rs. 17 granted during the year. No rewards were disbursed in the other districts of the Presidency.

22. The following statement abstracted from Form No. 50 shows the offences against the Forest Laws which came under observation during the year:—

Circle.	Cases taken into Court.				Cases compounded.			
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.
1	2	3	4	5	6	7	8	9
Northern	15	1,321	650	144	9	2,060	1,853	253
Central	13	2,115	1,907	177	1	4,936	4,536	437
Southern	21	628	198	98	5	940	408	51
Total ..	49	4,064	2,755	419	15	7,936	6,797	741

Circle.	Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
	10	11	12	13	14	15	16	17	18
Northern	19	83	2	1	43	3,464	2,505	398	6,410
Central	97	297	194	29	111	7,348	6,637	643	14,739
Southern	79	109	50	14	105	1,677	656	163	2,601
Total ..	195	489	246	44	259	12,489	9,798	1,204	23,750

The remarks of the Government of India in the previous year's Forest Administration Report pointing out the ever-increasing number of reported forest offences and emphasising the necessity of aiming at prevention rather than at detection have been borne in mind but the large areas to be guarded, their openness to attack and the limited establishment make it difficult to prevent trespass effectively: the matter will, however, be continuously kept in view.

(b) *Forest Fires and Fire-protection.*

23. The following statement shows the origin of fires as reported. For details of prosecutions for offences by fire—*vide* appendix:—

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas.											
	A. Fires caused by accident or through carelessness in burning fire lines.				B. Fires entering the forests by crossing exterior fire traces.				Owing to carelessness or accident.			
									By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, &c., passing through the forests.		By railway engines.		By lightning or by fire-balloons.
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjâm .. ..	..	..	2	210	..	..	3	101	..	..	..	..
Vizagapatam .. ..	..	..	..	..	1	30	..	..	..	..	..	..
Gôdâvari .. ..	..	..	2	68	..	..	10	7,131	..	..	..	..
Kistna .. ..	..	..	1	37	1	500	5	1,005	..	..	..	..
Kurnool .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Bellary .. ..	..	..	..	..	..	..	..	..	1	3	..	..
Anantapur .. ..	..	..	..	..	..	..	..	..	1	125	..	..
Total, Northern Circle ..	..	..	5	315	2	530	18	8,237	2	128	..	..
Central Circle.												
Cuddapah .. ..	..	..	7	10,500	..	..	..	..	..	..	..	..
Nellore .. ..	..	..	9	2,839	..	..	..	..	..	..	..	..
Chingleput .. ..	..	..	..	..	2	80	..	..	..	..	..	..
North Arcot .. ..	..	..	6	1,294	3	76	20	3,360	3	5	..	..
South Arcot .. ..	..	..	..	..	2	63	1	1	..	..	..	..
Salem .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly .. ..	..	..	4	9	..	..	2	100	..	..	..	..
Tanjore .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	..	..	26	14,642	7	219	23	3,461	3	5	..	..
Southern Circle.												
South Canara .. ..	..	..	1	(a) ..	1	50	14	431	..	..	..	..
North Malabar .. ..	..	..	1	6	..	..	..	..	..	..	..	..
South Malabar .. ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	1	475	..	..	..	..	..	..	..	..	..	..
North Coimbatore	1	150	1	150	7	1,375	20	3,739	..	..	..	..
South Coimbatore	3	13	..	..	3	320	9	255	2	6	..	..
Madura	21	5,010	..	..	..	..	3	95	..	..	..	..
Tinnevely	2	43	7	861	5	235	6	467	..	..	1	100
Total, Southern Circle ..	28	5,691	10	1,017	16	1,980	52	4,987	2	6	1	100
Total, Presidency ..	28	5,691	41	15,974	25	2,729	93	16,655	7	139	1	100

(a) Less than one acre.

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—cont.										Total A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.		
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjām .. .. .	..	..	..	..	..	..	3	101	101	9,969	106	10,280
Vizagapatam .. .. .	..	..	2	(a)	..	..	3	30	..	..	3	30
Gó dá vari	12	1,877	..	..	..	..	22	9,008	3	26	27	9,102
Kistna .. .. .	..	..	..	..	..	..	6	1,505	4	118	11	1,660
Kurnool .. .. .	..	..	..	..	1	6	1	6	15	13,771	16	13,777
Bellary .. .. .	..	..	..	..	..	..	1	3	9	17,520	10	17,523
Anantapur .. .. .	..	..	..	..	1	400	2	525	8	1,328	10	1,853
Total, Northern Circle ..	12	1,877	2	..	2	406	38	11,178	140	42,732	183	54,225
Central Circle.												
Cuddapah	5	2,648	..	..	2	220	7	2,868	61	20,233	75	33,601
Nellore .. .. .	..	..	..	..	..	..	..	..	..	..	9	2,839
Chingleput .. .. .	..	..	..	..	..	..	2	80	..	..	2	80
North Arcot	11	613	..	..	..	..	37	4,054	46	1,657	89	7,005
South Arcot	1	10	..	..	2	12	6	86	2	26	8	112
Salem	2	40	..	..	..	..	2	40	27	2,659	29	2,699
Trichinopoly	2	100	..	..	..	..	4	200	2	45	10	254
Tanjore .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	21	3,411	..	..	4	232	58	7,328	138	24,620	222	46,590
Southern Circle.												
South Canara	2	10	..	..	1	15	18	506	4	236	23	742
North Malabar .. .. .	..	..	..	..	..	..	..	..	..	..	1	6
South Malabar .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris .. .. .	..	..	..	..	2	1,000	2	1,000	..	..	3	1,475
North Coimbatore	6	519	..	..	1	50	34	5,683	36	41,076	72	47,059
South Coimbatore	7	415	..	..	..	..	21	996	14	785	38	1,794
Madura	5	..	1	..	4	1,466	13	1,561	42	6,468	76	13,039
Tinnevely	16	8,668	3	1,080	3	1,325	34	11,875	24	11,105	67	23,884
Total, Southern Circle ..	36	9,612	4	1,080	11	3,856	122	21,621	120	59,670	280	87,999
Total, Presidency ..	69	14,900	6	1,080	17	4,494	218	40,127	398	127,022	685	188,814

(a) Less than one acre.

In the following statement are compared the results of fire-protection during the year and those of the previous year :—

Circles.	During 1900-1901.			During 1901-1902.		
	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.
Northern	955	91.27	RS. A. P. 8 15 2	1,139	91.19	RS. A. P. 7 15 10
Central	2,505	98.44	5 8 7	2,510	97.15	5 12 9
Southern	1,758	99.22	6 11 4	1,901	98.44	7 9 11
Total ..	5,218	97.39	6 8 11	5,550	96.37	6 13 11

There was an increase of 332 square miles in the total area attempted to be protected in the three circles. The total cost was Rs. 38,138 or Rs. 3,932 in excess of the previous year. The average cost per square mile was less in the Northern Circle, and greater in the others and for the Presidency. Considering the districts individually, the areas attempted remained the same in *Bellary*, *Anantapur*, *South Arcot*, *Trichinopoly*, the *Nilgiris* and *Madura*, and decreased in *Cuddapah*, while no special protection was undertaken for the small forest tracts in *Tanjore*. In the remaining districts fresh areas were brought under protection. There was an increase in the amount expended in *Vizagapatam*, *Godavari*, *Kistna*, *Kurnool*, *Bellary*, *Nellore*, *Chingleput*, *South Arcot*, *Salem*, *South Canara*, *South Malabar*, the *Nilgiris*, *North* and *South Coimbatore*, *Madura* and *Tinnevely* and a decrease in the remaining districts. The increase noticed in *Vizagapatam*, *Godavari*, *Nellore*, *Chingleput*, *Kurnool*, *South Malabar*, *South Canara* and *North* and *South Coimbatore* was due to the larger area attempted to be protected during the year. In *Kistna* the district boundaries adjoining a reserve had to be cleared. In *South Arcot* certain reforms were introduced to facilitate the supply of provisions to the fire-patrols, of whom a larger number was employed. In *Salem* the fire-patrols were retained a fortnight longer and in *Tinnevely* the cost of fire-tracing was greater owing to the unfavourable season. The increase in *Bellary*, the *Nilgiris* and *Madura*, being small, has not been explained.

The subjoined abstract shows the percentage of burnt area under protection in each district during the past two years :—

Northern Circle.			Central Circle.			Southern Circle.		
Districts.	Percentage of area burnt to area under protection.		Districts.	Percentage of area burnt to area under protection.		Districts.	Percentage of area burnt to area under protection.	
	In 1900-1901.	In 1901-1902.		In 1900-1901.	In 1901-1902.		In 1900-1901.	In 1901-1902.
<i>Ganjám</i> ..	2.7	7.7	<i>Cuddapah</i> ..	2.9	9.5	<i>South Canara</i> ..	0.7	1.25
<i>Vizagapatam</i> ..	2.4	8.3	<i>Nellore</i> ..	0.7	2.1	<i>North Malabar</i> ..	0.2	.0007
<i>Godavari</i> ..	.02	.6	<i>Chingleput</i> ..	1.3	.03	<i>South do.</i> ..	..	..
<i>Kistna</i> ..	.09	1.2	<i>North Arcot</i> ..	1.3	.03	<i>The Nilgiris</i> ..	3.2	1.6
<i>Kurnool</i> ..	56.8	2.06	<i>South do.</i> ..	0.7	.0006	<i>North Coimbatore.</i>	0.3	3.7
<i>Bellary</i> ..	11.5	.08	<i>Salem</i> ..	1.1	3.2	<i>South do.</i> ..	0.4	.38
<i>Anantapur</i> ..	9.7	2.3	<i>Trichinopoly</i> ..	0.4	.01	<i>Madura</i> ..	0.2	4.1
			<i>Tanjore</i> ..	..	.122	<i>Tinnevely</i> ..	1.3	3.1
	8.7	8.8		1.6	2.85		0.8	1.56

The percentage was almost stationary in the Northern Circle, but rose in the Central and Southern Circles. In *Kurnool*, *Bellary* and *Anantapur* the results of protection were more satisfactory than in the previous year. The percentage rose in *Ganjám*, *Vizagapatam*, *Cuddapah*, *North Coimbatore* and *Madura*. In the other districts the rise or fall was slight. The number of fires in *Ganjám* increased owing to the dryness of the year and a total area of 10,280 acres was burnt. The scheme of fire-protection introduced in the previous year in *Vizagapatam* was continued and successfully carried out. There was a large fire in the Rekapalli hills and incendiarism was rife in the Rajahmandri range, *Godavari* district. In *Kistna* 1,660 acres were burnt. The major portion of the area was set fire to owing to careless cooking in one of the reserves. Sixteen fires were reported in the protected blocks in *Kurnool*. Ninety-five per cent. of the fires in the Nallamalais are said to have been caused by the Chenchus who understand no law. An area of 16,014 acres was burnt in the leased forests in *Bellary* by accidental fires. Three acres in Kuppagal are reported to have been burnt by the escape of sparks from railway engines. The introduction of an improved method of protection in the Sandúr state is under consideration. There were ten fires in *Anantapur*, two of which crossed over from the Mysore territory. The number of fires in the protected blocks of *Cuddapah* rose to seventy-five consequent on the unusually dry season. Three fires entered the Cuddapah Nallamalais from *Kurnool* and two entered the Seshachellam reserve from *North Arcot*. The remaining fires were probably accidental, except such as were intentionally lit by graziers for burning the grass. Of the eight cases detected, one had to be withdrawn for want of direct evidence

and four were pending with the Magistrates at the close of the year. The remaining three resulted in convictions. A total area of 2,839 acres was burnt in *Nellore* by accidental fires. In *Chingleput* there were two small fires and the damage caused was insignificant. The cause of half the fires in *North Arcot* was unknown, about 25 per cent. were due to carelessness or accident, and 12 per cent. to incendiarism on the part of the graziers. There were only four fires in the protected areas in *South Arcot* which burnt 74 acres; two of these were attributed to the carelessness of hillmen collecting honey, one to herdsmen and the cause of the remaining one could not be ascertained. The offenders in none of these cases were detected. In *Salem* there were two fires, one of which burnt an area of 13 acres. There were ten fires in *Trichinopoly*, four of which crossed over the fire lines, two were caused by the carelessness of passers-by, two by graziers and the origin of the remaining two is unknown. About 250 acres in all were burnt. Of the four cases taken to Court, convictions were secured in two and the accused in the other two were acquitted, being minors. As usual no fires occurred in *Tanjore*, there being very little grass in the reserves and no fire-protection was considered necessary. In *South Canara* 742 acres were burnt by a fire supposed to be caused by the carelessness of travellers. Of the specially protected areas in *North Malabar*, five acres of a plantation in the Begur range were burnt as well as all the forests not protected in the Chedleth range. There were no fires in *South Malabar*. In the *Nilgiris* there were nine cases of fire, six of which were caused by graziers, and the remainder by the carelessness of subordinates and the hill tribes. The number of fires in the specially protected areas in *North Coimbatore* was greater owing to the carelessness of the Ranger in charge, who was afterwards reduced, and seventy-one fires, covering an area of 68 square miles, were reported in areas not under special protective measures. A large number of sholas were destroyed and two perennial streams ran dry. There were thirty-eight fires in *South Coimbatore* which burnt an area of 1,794 acres. Seven square miles of the protected area in *Madura* were burnt, probably by cattle-owners to obtain an early regrowth of grass. There were no fires in *Tinnevelly* during the earlier portion of the year. A fire which occurred in September lasted two days and burnt about 1,700 acres in the Ambásamudram range.

The following statement shows the areas in districts which escape conflagration by their natural constitution or for other reasons :—

District.	Area.	Remarks.
	SQ. MLS.	
Vizagapatam ...	32.2 ...	No reasons are given.
Kistna ...	899.83 ...	Want of grass and rocky soil.
Kurnool ...	172.8 ...	No reasons are given.
Bellary ...	48.6 ...	Want of grass and rocky soil.
Cuddapah ...	247.9 ...	Do.
Nellore ...	450 ...	Do.
Chingleput ...	188.28 ...	No reasons are given.
North Arcot ...	209.1 ...	Rock without grass, scrub jungle or evergreen forests.
South Arcot ...	468 ...	Want of grass owing to heavy grazing.
Salem ...	410.8 ...	Rocky soil with no grass.
Trichinopoly ...	177 ...	Evergreen forests with no grass, or rocky and barren soil.
Tanjore ...	19 ...	Sandy or marshy soil.
South Canara ...	20.3 ...	No reasons are given.
North Malabar ...	81 ...	No grass or other inflammable material.
South Malabar ...	The total area cannot be estimated correctly in the absence of surveys ...	Evergreen ghat forests.
South Coimbatore ...	100 ...	Evergreen forests.
Madura ...	140 ...	Do.
Tinnevelly ...	All the plain taluks ...	No reasons are given.

In *Ganjám*, *North Coimbatore* and the *Nilgiris* no areas are reported to be immune. The Collector of *Góddavari* reports that the figures are very unreliable. The Collector of *Anantapur* has not furnished any information on the subject.

(c) *Regulation, &c.*

24. The areas open and closed to grazing in each district are shown in Form No. 52 and the number and kind of animals grazed free or on payment of fees in the reserved forests and lands in Form No. 53. The total area of reserved forests and reserved lands rose from 19,541 to 19,567 square miles. Of these, 1,727 square miles were closed to all animals during the year and 492 square miles for a portion of the year against 1,637 and 279 square miles, respectively, during 1900-1901. Taking the circles individually, the area closed throughout the year and for part of the year increased in each.

On account of the scarcity prevailing in part of the district, five reserves in Proddatur range and a portion of the Palkondas, *Cuddapah* district, were thrown open to free grazing throughout the year. The usual concession of free cutting and removal of fodder grass continued in all reserves in the district. In *North Arcot* the cattle of the Malayalis on the Javadis were allowed free grazing as usual and, owing to the unfavourable season, ryots were allowed to remove fodder free from certain reserves. In addition 470 acres were open for free grazing. As in the previous years, goat-browsing was strictly prohibited in *Ganjám*. In *Kurnool* it was decided to close all reserved forests and reserved lands to goat-browsing from 1st July 1902. Goat-browsing was prohibited during the latter half of the year in *Anantapur*. Sixty-nine square miles were open to goat-browsing in *Cuddapah*. In *Chingleput*, it was permitted in some of the reserves, until the concession was stopped by order of the Board of Revenue. The proposals for goat-browsing in the reserved forests of the Central Circle made by the Board of Revenue in its Proceedings, Forest No. 316, dated 5th October 1901, were approved by Government in its Order, No. 176, Revenue, dated 20th February 1902.

The following statement compares the number of animals impounded for illicit grazing in each district with the return of the previous year :—

COMPARATIVE STATEMENT of Animals impounded for illicit grazing in Reserved Forests and Reserved Lands during 1900-1901 and 1901-1902.

—	Without permits.							
	Cattle.		Sheep.		Goats.		Total of all animals.	
	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.
1	2	3	4	5	6	7	8	9
<i>Northern Circle.</i>								
Ganjám	1,223	1,334	56	138	..	..	1,279	1,472
Vizagapatam	821	855	116	66	2,272	5,160	3,209	6,081
Gó dávari	2,011	1,571	256	437	2,229	1,482	4,496	3,490
Kistna	6,587	10,353	4,339	12,507	8,011	15,045	18,937	37,905
Kurnool	6,367	6,717	9,074	6,701	9,316	6,270	24,757	21,502
Bellary	728	4,112	1,748	1,713	1,152	3,162	3,628	8,987
Anantapur	6,683	1,723	12,643	4,785	12,687	9,650	32,013	16,158
Total, Northern Circle ..	24,420	26,665	28,232	26,347	35,667	42,583	88,319	95,595
<i>Central Circle.</i>								
Cuddapah	5,872	6,653	17,284	16,902	45,333	4,465	68,489	28,020
Nellore	5,436	7,946	10,136	9,307	8,045	8,046	23,617	25,299
Chingleput	2,172	1,013	3,020	956	1,034	..	6,226	1,969
North Arcot	22,170	11,373	12,508	12,491	..	..	34,678	23,864
South Arcot	13,585	11,334	14,901	14,536	22,721	27,129	51,207	52,999
Salem	3,193	4,016	4,082	3,149	10,041	5,058	17,316	12,223
Trichinopoly	2,737	2,737	5,389	5,389	4,815	4,815	12,941	12,941
Tanjore	669	403	127	116	449	430	1,245	949
Total, Central Circle ..	55,834	45,475	67,447	62,846	92,438	49,943	215,719	158,264
<i>Southern Circle.</i>								
South Canara	1,261	1,394	..	..	10	..	1,271	1,394
North Malabar	118	58	..	..	..	..	118	58
South Malabar	49	4	..	..	91	12	140	16
The Nilgiris	517	371	20	66	308	125	845	562
North Coimbatore	786	920	881	1,025	1,871	1,099	3,538	3,044
South Coimbatore	1,062	701	336	101	1,653	605	3,051	1,407
Madura	1,635	919	1,449	542	..	3,824	3,084	5,285
Tinnevely	1,994	262	2,727	89	1,660	169	6,381	520
Total, Southern Circle ..	7,422	4,629	5,413	1,823	5,593	5,834	18,428	12,286
Grand Total, Presidency ..	87,676	76,769	101,092	91,016	133,698	98,360	322,466	266,145

* Sheep and goats.

Comparative Statement of Animals impounded for illicit grazing in Reserved Forests and Reserved Lands during 1900-1901 and 1901-1902—cont.

	In closed areas.							
	Cattle.		Sheep.		Goats.		Total of all animals.	
	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.
	10	11	12	13	14	15	16	17
<i>Northern Circle.</i>								
Ganjám	23	27	7	..	1,939	2,385	1,969	2,412
Vizagapatam	14	88	..	..	..	382	14	420
Gódvári	245	280	56	27	1,053	1,004	1,354	1,311
Kistna	3,960	4,057	1,497	1,844	4,008	9,019	9,465	14,920
Kurnool	343	253	18	55	536	3,166	897	3,474
Bellary	164	398	..	336	538	1,648	702	2,382
Anantapur	578	448	407	117	428	875	1,413	1,440
Total, Northern Circle ..	5,327	5,551	1,985	2,379	8,502	18,429	15,814	26,359
<i>Central Circle.</i>								
Cuddapah	93	104	118	470	1,235	44,117	1,446	44,691
Nellore	2,973	2,570	1,923	1,192	18,613	22,207	23,509	25,969
Chingleput .. .. .	..	..	..	..	10,422	3,620	10,422	3,620
North Arcot	1,644	1,563	474	760	38,843	34,450	40,961	36,773
South Arcot	285	100	..	106	22,721	27,129	23,006	27,335
Salem	1,304	707	210	75	4,065	10,589	5,579	11,371
Trichinopoly .. .. .	..	..	..	..	..	..	..	..
Tanjore	210	103	5	12	72	50	287	165
Total, Central Circle ..	6,509	5,147	2,730	2,615	95,971	142,162	105,210	149,924
<i>Southern Circle.</i>								
South Canara	101	122	..	..	..	..	101	122
North Malabar	7	4	..	..	..	..	7	4
South Malabar	24	14	..	..	..	..	24	14
The Nilgiris	590	557	118	52	..	2	708	611
North Coimbatore	364	170	448	327	330	323	1,142	820
South Coimbatore	106	294	8	..	..	58	114	352
Madura .. .. .	..	..	..	..	3,713	..	3,713	..
Tinnevelly .. .. .	..	815	..	1,720	..	984	..	3,519
Total, Southern Circle ..	1,192	1,976	574	2,099	4,043	1,367	5,809	5,442
Grand Total, Presidency ..	13,028	12,674	5,289	7,093	108,516	161,958	126,833	181,725

The number of animals of all classes impounded for grazing without permits was 266,145 against 322,466 in the previous year, the decrease being most noticeable in *Anantapur*, *Cuddapah*, *North Arcot* and *Tinnevelly*. This decrease was, however, partly counterbalanced by increase chiefly in *Kistna*. The decrease in *Anantapur* permits. In *Cuddapah* the return of impounded animals distinguishes for the first time those which grazed and browsed without permit in open areas and those which trespassed into closed areas. Taken together these figures show an increase in impoundings, though the animals, especially goats, so treated for being unlicensed in open areas, show a decrease. The decrease in *Tinnevelly* was due chiefly to the non-impounding of cattle found trespassing without herds-men and the increase in *Kistna* to better supervision and unfavourable season. There was a fall in the number of cattle impounded, the decrease being most marked in *North Arcot*. In the case of sheep also there was an equal decrease, *Anantapur* contributing mainly to it. The number of goats impounded decreased from 133,698 to 98,360, *Cuddapah* showing the largest decrease. The cause for the decrease has already been explained above. *Salem* stands next. There was increase chiefly in *Kistna*, *Kurnool*, *Anantapur* and *South Arcot*. The total of all animals impounded for grazing in closed areas rose from 126,833 to 181,725 the increase occurring chiefly in *Cuddapah* as mentioned.

25. The following abstract shows the number of cattle, sheep and goats admitted under licenses during the year :—

Circles.	Buffaloes.	Bulls and cows.	Sheep.	Goats.	Other animals.
Northern Circle	81,303	439,654	1,333,114	210,492	136
Central „ .. .	31,488	665,050	742,177	69,542	12
Southern „ .. .	20,211	249,627	80,552	20,035	350
Total ..	133,002	1,354,331	2,155,843	300,069	498
1900-1901	128,884	1,300,118	1,361,547	315,704	1,217

The total number of all kinds of animals grazed on payment was 3,943,743 against 3,107,470 in the previous year, thus showing a satisfactory increase of 836,273 animals consequent on better supervision as well as the wider recognition among the people of the wisdom of taking out permits.

(d) *Injury by Insects.*

26: In *North Arcot* a species of caterpillar, found in the casuarina trees of the Ammundi plantation, did great damage by killing the growing shoots of young trees. Specimens were sent to the Forest Entomologist to the Government of India with a view to their identification and for suggestion of methods for their destruction. Caterpillars appeared in some teak plantations in *South Malabar* but their devastations were cut short by heavy rain.

4. SYLVICULTURE.

(a) *Natural Reproduction.*

Northern Circle.

27. The promising seeding of *Shorea robusta* in the *Ganjām* district reported last year produced little result as the rain held off. This year it flowered late and the seeds were few. There was a fair reproduction of *Terminalia tomentosa* and *Tchebula* in the Golgonda Agency hills in the *Vizagapatam* district. Natural reproduction was generally good throughout the *Góddávari* district. In *Kistna*, the coppice growth of the Guntúr babul working circle was encouraging. Seedlings of *Hardwickia binata*, *Chloroxylon swietenia*, *Anogeissus latifolia* and *Melia* were flourishing. Bamboo thickets in Kondapalli, Kondur and Kottur reserves developed well. Reproduction from seed in the Nallamalais in the *Kurnool* district was very poor owing to fires. *Terminalia tomentosa* and *Chloroxylon swietenia* occupied well, while *Anogeissus latifolia* coppiced bad. Except in the leased forests and in the specially protected yepi block of Bellary reserve, there was no natural reproduction by seed in *Bellary* owing to excessive grazing. Coppicing was fair in the areas felled over and afterwards placed under special protection. In *Anantapur* regeneration of babul growth was good, of *Dolichandrone crispera* fair, and of *Hardwickia binata* in the Kothakota working circle stationary.

Central Circle.

In *Cuddapah*, reproduction by coppice, especially in the case of redwood, was excellent in the felled coupes in the Cuddapah and Sidhout blocks. Regeneration by seed was generally poor owing to the dry and rocky nature of the soil, and the destruction of the seedlings by cattle and fires. Reproduction from coppice continued good in the Sriharikóta, Survepalli and Mocherla reserves of *Nellore* and from seed in the palmyra-bearing areas. In *Chingleput*, Billu (*Chloroxylon swietenia*) and sâl seedlings were flourishing and seedlings of *Melia indica*, *Pterocarpus marsupium* and *Albizia amara* were noticeable in several blocks. Reproduction from seed was poor except under shade in the *North Arcot* district owing to short and untimely rainfall. Bamboo seedlings were growing well on the Javadis. Seedlings of *Anogeissus latifolia*, *Pterocarpus marsupium* and *Chloroxylon swietenia* came up in some of the reserves. Reproduction from coppice was particularly good in the case of *Albizia amara*, and *Strychnos nuxvomica* and that from root-suckers continued to be good in the coupes of the Gudiyáttam range. In the tidal swamp forests of the Cuddalore range (*South Arcot*) self-sown seedlings of the two species of *Avicennia* flourish. In some forests

Melia indica was gradually introducing itself everywhere. Coppice growth was good in coupes felled properly. In *Salem* reproduction by seed was satisfactory in the Caveri Acha (*Hardwickia*) forest *Melia azadirachta*, *Chloroxylon swietenia*, *Albizia amara*, *Anogeissus latifolia*, *Pterocarpus marsupium* and *Dendrocalamus strictus* came up abundantly. Reproduction of sandal was fair. In the felled coupes reproduction by coppice was promising. Reproduction from both seed and coppice was fair in the Caveri and Coleroon "padugai" forests in the Kulitalai and Udaiyárpálaiyam ranges of the *Trichinopoly* district. Reproduction in the Pachamalais was good and kasan (*Memecylon edule*) coppiced well in the Udaiyárpálaiyam range. The dry sandy nature of the soil in the *Tanjore* district does not appear to favour natural reproduction from seed. Kasan coppiced well while casuarina did not.

Southern Circle.

In *South Canara*, reproduction from seed was not good, but all species when cut coppiced well. Teak coppice shoots and seedlings were noticeable in the successfully protected areas in *North Malabar*. The growth of *Xylia* seedlings on laterite soil was remarkable in *South Malabar*. In the *Nilgiris*, reproduction by coppice was as usual excellent in the Ootacamund plantations but not so satisfactory in those round Coonoor. The growth from seed was good in the Benne and Mudumalai forests, especially of *Terminalia tomentosa*, vengai, rosewood and teak. The small bamboo seeded profusely in Mayur, as also the mango. During the latter part of the year all species flowered profusely in *North Coimbatore* and the revenue derived from *Melia azadirachta* in the Satyamangalam range was a record one. Except where fires had penetrated, seedlings of many valuable species were noticed. Reproduction from coppice and suckers of the cut sandalwood trees was good. In *South Coimbatore*, natural reproduction was fair in the Pollachi range and in parts of Bolampatti, but bad in the dry portions of Udumalpet and Mettupalaiyam. In the evergreen forests of *Madura* which have not been worked, reproduction was very satisfactory and *Albizia amara* coppiced well. In the deciduous forests there is scarcely any seed reproduction owing to the open state of the forest and the periodical fires. In *Tinnevely*, natural reproduction continued to be good in the evergreen forests. A heavy flowering of *Messua Coromandalina* was noticed during the year. The coppicing of *Grewia latifolia* was very satisfactory in the Kuttalam working circle. Outside the working circle reproduction was much retarded by fire.

(b) *Artificial Reproduction.*

28. The area under plantations, topes and cultural operations, together with the cost incurred during the year, will be found in form No. 54.

The following is a resumé of the district reports :—

Northern Circle.

In *Ganjám*, experimental sowings were continued in the Napier reserve. The *Ficus elastica* plants in it were ready for transplanting. The sowing of sal seeds broadcast was again attempted, but the seedlings died as rain held off.

In *Vizagapatam*, the sowing of palmyra seeds along the boundary lines of reserves in the Sarvasiddhi taluk showed good results. Divi Divi planted in Golkonda and Palkonda ranges promises well.

In *Gódávári*, the teak and other seedlings put out in the Devanchervu reserve have put on new leaves after surviving a hot weather.

In *Kistna*, the casualties in casuarina planted in the previous years in Gopu vanipalam reserve were replaced and 55 acres were newly planted. As usual the reserves in the Weld and Gopu vanipalam reserves supplied seedlings of various species.

In *Kurnool*, no operations were undertaken except an unsuccessful sowing of a small quantity of *Swietenia macrophylla* seed.

In *Bellary*, the Kuppagal plantations were extended by 10 acres. In one plantation the previous year's plants which had been destroyed by wild pigs had to be replaced. Date and palmyra seeds were sown in all the plantations.

In *Anantapur*, the sowing of date seeds in some of the reserves proved a failure. The previous year's sowings of *Dolichandrone crispa* and Casuarina in the Anantapur range are doing fairly.

Central Circle.

In *Cuddapah*, date seeds were sown in selected areas of unreserved land. The sowings of previous years were not as a rule successful owing to short rainfall.

In *Nellore*, a beginning was made in planting fruit-bearing and other useful trees in selected areas. 166,000 palmyra seeds were sown in the reserved lands of the Kavali taluk.

In *Chingleput*, 50 per cent. of the bamboo saplings transplanted along the hedge of Periyakuppam rest-house compound from the Meyyur plantation are thriving. Seeds of various trees were sown in furrows or pits in the Chingleput range. The Divi Divi plants in the Meyyur plantation are doing well.

In *North Arcot*, the planting of 8 acres of Kilminnal plantation with Divi Divi proved a success. As in the previous year avaram (*Cassia auriculata*) and kolingi seeds were sown broadcast in blanks, but owing to drought the operation was not successful.

In *South Arcot*, casuarina seedlings were put out in the Cuddalore coast plantations, at a less cost than in the previous year owing to a favourable season. As usual there were a number of casualties in the bamboos planted experimentally.

In *Salem*, the seedlings of timber and fuel-yielding species succumbed to the heat. The sandalwood seedlings on the plateau and slopes of the Chitteris were thriving. The *Melia* and tamarind plants in the Harur range office tope are in good condition.

In *Trichinopoly*, as in the previous year, nothing was done beyond the sowing of cashew (*Anacardium*) and Tamarind seeds in two reserves of the Perambalur range.

In *Tanjore*, 8,800 palmyra seeds were dibbled along the boundaries of the reserved forests and the seedlings are doing well. The babul seeds dibbled in near a tank germinated well and the seedlings are thriving.

Southern Circle.

In *South Canara*, the *Swietenia mahagoni* and *S. macrophylla* are thriving in the Range office compound at Puttur. The system of paying the Maraties Re. 1 per 100 living plants put on in Kumaris is working well.

In *North Malabar*, about 22 acres were planted with teak in the Chedleth range and 25 acres in Begur; 60 per cent. of the plants survive. About 30 acres were cleared by the Kurichians on contract and planted with Jack (*Artocarpus*). The plantation has done well as a small quantity of arsenic put down round the seeds kept away the rats.

In *South Malabar*, 123 acres prepared for planting in the previous year were planted with teak seedlings, 6 feet apart, and 121 acres were prepared for planting. Casualties in the plantations caused by elephants and other wild animals were replaced. A nursery has been made in the Forest office compound for raising seedlings.

In the *Nilgiris*, the young mahogany trees in the Benne and Mudumalai stations are thriving. The *Grevillea robusta* trees planted in 1897 at those places have attained a height of 25 feet and a girth of from 9" to 18".

In *North Coimbatore*, artificial reproduction was nil.

In *South Coimbatore*, as the broadcast sowing in the felled compartments of Tekadi leased forests proved unsuccessful, seedlings were raised and are being planted in properly prepared pits.

In *Madura*, 12,300 casualties were replaced in the Gundun Shola blue-gum plantations.

In *Tinnevely*, many of the fruit trees put down last year at the Kuttalam rest-house died owing to scarcity of water. The mahogany trees at Mundanthorai continue to do excellently and they thrive in the Kaliyavur and in the abandoned Kongarayakurichi reserves.

(1) *Early Thinnings* ; (2) *Other Operations for the Improvement of Growing Stock.**Northern Circle.*

29. Over 1,642 acres in the Gogodo reserve, *Ganjám* district, creeper-cutting was carried out at a cost of Rs. 125, while in *Gódavari* the subordinates did similar work free of cost. In *Kistna* thinnings of casuarina, &c., were made. Creepers were removed and badly-grown specimens of valuable species were cut back in *Kurnool*.

Central Circle.

Prickly-pear was removed from some reserves in *Chingleput*. The dead trees in the several casuarina plantations in *North Arcot* were cut and sold. The removal of prickly-pear and the repair of fences in all the plantations were done at a cost of Rs. 98. In *Salem* no bamboo blocks were leased out in the Tirupattúr range on account of the over-worked condition of the bamboo area. Creepers and climbers affecting standard and sandalwood trees were cut and prickly-pear which had been working its way up the Yercaud Ghat road was cut out and treated with arseniate

of soda, which prevented the cut leaves from striking afresh. Bushes in the coupes of the Udaiyárpálayam range, *Trichinopoly* district, were removed to facilitate the growth of small timber. Creeper-cutting was carried out in all the reserves of the *Tanjore* district.

Southern Circle.

In *South Canara* creeper-cutting was carried out over 200 acres of Jatkattmale reserve in the Udipi range. Three plantations were weeded in *North Malabar*. About 920 acres of teak plantations were thinned in accordance with the provision of the working plans in *South Malabar*. Weeding was carried out over 1,885 acres and pruning over 160 acres. Parasites were also cleared. In *North Coimbatore*, the dead, dying and wind-fallen trees were marked for felling in the Minchiguli and Vella-combai blocks, as well as the mature and dead sandal trees and roots in the sandal coupes. Bamboo thinning was undertaken in two working circles in *South Coimbatore*.

(c) *Experiments.*

30. The results of experiments made with exotics and other plants are given below :—

Agave ixtle.—All the plants in the Polur range and many in the Vellore range, *North Arcot* were sent to the Hindupur farm. The remaining plants at Vellore were doing well, while 104 in Palmaner were not thriving owing to poor soil. Some seeds put down in the Vellodu reserve, *North Coimbatore*, germinated fairly but most of them soon died.

Bamboos.—The bamboos in *South Malabar*, though thriving, suffered badly from heavy floods. As a result of the experiment made in *Tinnevely* regarding the best and cheapest method of introducing bamboos by various kinds of cuttings and layers, it was found that the greatest success was obtained from a small-cutting with a part of the rhizome attached.

Rubber trees.—Four out of 12 seeds put down in a tope in the Palmaner range, *North Arcot*, germinated and the plants have attained a height of 3 to 5 feet.

(a) *Landolphia Kirkii*.—None of the seeds sown in *South Arcot* or *Salem* germinated. Twelve of these trees exist in *South Malabar*, together with 13 seedlings averaging 6" in height.

(b) *Landolphia florida*.—There are 29 of these thriving in *South Malabar*.

(c) *Ceara*.—Those in the Tunacadavu range, *South Coimbatore*, were doing fairly well.

(d) *Ficus elastica*.—The seedlings in *Ganjam* were doing well and were ready for replanting.

(e) *Hevea*.—There are 25 trees in *South Malabar*, of which two are bearing seed now.

(f) *Kicksia Africana*.—The 31 trees in *South Malabar* have an average height of 4 feet.

Date trees.—In *Gódvári* edible date cultivation was ordered to be started in all ranges. In *Kistna* date seeds were sown in various taluks but only fifty plants now survive in Guntur. Seeds were sown in selected areas of unreserved lands in *Cuddapah*. Experiments were made in 1885 and in subsequent years, but the drought during 1890–91 was too severe for the young plants, there being now only twenty plants in the district in the Balapalle nursery. Edible date plantations were started in Allipuram and Sriharikóta, *Nellore* district, in 1889–90. At present there are none at Sriharikóta and only 635 plants in the Allipuram plantation; 159 of these are fairly well grown, the remainder stunted. Considering there were 4,200 plants in the Allipuram plantation in 1894–95 of which so few exist and those dwarfed, the experiment is scarcely a success. In *Chingleput*, Rs. 30 were spent for the purchase of date seeds to be dibbled in the vacant areas in reserves and unreserved lands, but nothing was done during the year, as no suitable areas were secured for the purpose. The date trees planted in the Chandragiri range, *North Arcot*, are thriving; those in Tiruvallam plantation are not so healthy. In Palmaner range, on the plateau, the plants do not flourish. It is believed that the experiment will be a success if made under proper sylvicultural conditions and with a due proportion of male and female trees. In *South Arcot* the experiment was not conducted either systematically or on a large scale and no definite opinion can therefore be pronounced. There are about seventy trees scattered throughout the district, but though more than eight years old not one has either flowered or fruited, which seems to show that the soil is not suitable for the propagation of the tree. Date seeds were sown in the various ranges of *Salem* in 1889. In 1897 there were only eleven plants in the district and now there are none. Cultivation of the edible date was tried ten years ago on the Pachamalais in *Trichinopoly* but without success. About a dozen plants between 3' and 6' in height are now reported to exist in the district. In *Tanjore* there were casualties in the date trees in the Vettangudi reserved forest. No edible date trees grow in *South Canara*, *North Malabar*, the *Nilgiris*, *South Coimbatore* or *Madura*. In *South Malabar* the experiment was tried in 1890 but proved a failure. There are a few date trees in two bungalow compounds in *Tinnevely*, but they have produced no fruits. No experiments with the edible date were made in *Ganjam*, *Vizagapatam*, *Kurnool*, *Bellary* or *North Coimbatore*. In *Anantapur* the experiments were failures.

Divi Divi was planted in 8 acres in Kilminnel plantation, *North Arcot*, and the operation was a thorough success.

Durian plants.—Only one of the durian plants now survives in *North Malabar* and is about 15" high. Only five plants now survive in *South Malabar*.

Eucalyptus.—There were 997 plants in the Palmanér range, *North Arcot* district, but they were thriving in only one tope.

Grevillea robusta.—Ten only of the 28 seedlings flowered in the Balapalle nursery, *Cuddapah* district, and they vary from 3 to 6 feet in height.

Hematoxylon Campeachianum is thriving well in *Gó dávari*.

Ipeacacuanha.—The four surviving plants in *South Malabar* do not look healthy.

Mahogany.—Some fine seedlings were raised in *Gó dávari*. Some of the seeds germinated in *Kistna*, but most of the seedlings are not healthy. Forty-two were transplanted from the Balapalle nursery, *Cuddapah*, of which 10 only now survive. Of the 300 seeds sown subsequently in the Kodur plantation and Balapalle nursery, only three have germinated. The plants in the Vellore range, *North Arcot*, are doing well except where overtopped by other trees. The quarter pound of seed sown in two of the topes did not germinate at all. Eighty-seven seedlings were raised out of the 2 lb. of seeds sown in the various ranges in *South Arcot* and the seedlings will be put out in suitable localities in the ensuing rains. In *Trichinopoly*, a Mahogany tree dating from 1884 has a girth of 33" at 3' from the ground. All the Mahogany plants in the Vettangudi range forest, *Tanjore* district, are thriving. Two hundred and ninety-five seedlings raised during the year in *South Coimbatore* were doing fairly well. Two out of the three plants put out in the Kanavoipatti subordinates' lines survive.

Swietenia macrophylla.—Seedlings reported to be thriving last year in *Ganjám* nearly all died. From this year's sowing, 3 sturdy seedlings resulted and they will be transplanted in the rains. Twenty-four healthy plants now survive in *Cuddapah* and vary from 8 to 12 feet in height. In *South Arcot* the tree appears to flourish and 206 plants were raised from seed. The trees in the teak plantations in *South Malabar* are from 23 to 46 feet high. Four planted in 1887 have now fruited. The 30 year old big tree in *Chattamborai* is now 91' high and 80" in girth, having grown 1' in height during the year. The seventy-four plants in *Dhoni* in the Palghat range continue to grow well and have a height from 16 to 31 feet, the larger trees having an average girth of 23" at breast height. The plants in the Alagar hill reserve, *Madura* district, are thriving.

Mallotus philippinensis.—About 275 seedlings survive in *Ganjám*.

Pterocarpus indicus.—All the 24 plants are doing well in the *Tanjore* district. The three plants in *Manantoddy*, *North Malabar*, are about 6" high.

Paspalum dilatatum.—Experiments were continued at Chatrapur in the *Ganjám* district. The seed sown in *Tornagal*, *Bellary* district, failed to germinate and so did that sown in the *Avadi* rest-house compound, *Chingleput*. The seed sown in the *Vengur padugais* in the *Trichinopoly* district germinated freely and in due time the grass seeded.

Sterculia elata.—Only 5 out of the 23 now survive and even they do not look healthy, probably owing to unfavourable soil.

5. EXPLOITATION.

(1) Clear or Regeneration Fellings.

Northern Circle.

31. In *Gó dávari*, portions of the Kandikuppa, Upputeru and Coringa reserves and of the Bandamurlanka plantation were clear felled. In accordance with the revised working-plans of the Gopuvanipalem reserved forest and extension No. 2, *Kistna* district, 16.80 acres were sold in auction for Rs. 474. The casuarina trees in the Vanuduru plantation, Masulipatam range, were sold standing for Rs. 610.

Central Circle.

Some trees in the Meyyur plantation, *Chingleput* district, were felled and sold. Forty-three acres of babul growth were clear felled in the Pulrambakkam block. In *South Arcot*, about 58 acres in the casuarina plantations were sold standing for Rs. 7,730 for clear fellings in accordance with working-plans. In *Tanjore* 45 acres of casuarina plantations were felled during the year by contractors and yielded 438 tons of sized and 407 tons of unsized wood. The sum paid by the contractors, Rs. 3-15-0 per ton (67½ cubic feet) of sized wood and As. 12 per ton of unsized wood, was net profit to the department, as they made their own arrangements for felling and removing the trees. In *Perambur* tank-bed, 210 tons of babul wood were felled and trees of different species were also felled in some unreserved lands. Three hundred and fifty-eight tons of Mangrove wood were cut from the Voimodu block No. II.

Southern Circle.

In *North Malabar* 25 acres in the Kurchiyat reserve and a similar area in the Alathur reserve were clear felled. In *South Malabar*, 121 acres of the Karampoya reserve were clear felled by a contractor, at his own expense for teak planting. He gave Rs. 4,400 for the timber and bamboos removed from the area. Certain stunted and crooked trees in the Mudumalai forests in the *Nilgiris* were cut for local sales and supply of sleepers. Sandalwood roots were dug out in the Segur range. The Ootacamund and Coonoor blue-gum plantations were worked as usual in accordance with working-plans. In *South Coimbatore*, coupe No. 5 of Ayerangal Working Circle, which was not cut in 1900-1901 owing to the large stock of fuel on hand, was cut during the year in addition to the areas prescribed for felling as per working-plans.

(2) *Selection fellings.**Northern Circle.*

In *Ganjām* 2,000 cubic feet of sāl trees were supplied to the Ordnance Department and a few logs of *Pterocarpus marsupium* to the Public Works Department. Above 1,000 *Xylia* poles were felled in the *Gódvári* district for pit-props for graphite mines. As usual the departmental operations in *Kurnool* were confined to the supply of timber to depots. In *Bellary* 125 sandal trees were felled and converted into billets at a cost of Rs. 106. As in the previous years palmyra and babul trees were marked and sold *in situ* in *Anantapur*.

Central Circle.

In *North Arcot* no new contracts were entered into during the year, but 4,220 cubic feet of timber were removed during the year under one of the old ones. About 5,300 cubic feet of casuarina poles felled in the plantations were sold for mine-props. 289 cubic feet of sandalwood cut on the Javadi hills were sold at Vellore in auction. The bamboo areas in the Tiruvannámalai and Kallakurchi ranges, *South Arcot*, were leased out as usual. In *Trichinopoly*, 111,473 cubic feet of fuel were supplied to the Jail and the Boer camp.

Southern Circle.

Selection fellings were carried out over 900 acres in the Kuruchiyat reserve in *North Malabar*, while in *South Malabar*, the Chenab Nair, Attapadi and Silent Valley reserves were worked under the selection system. Timber was extracted from a block in *North Coimbatore* on the selection system and the Tekadi leased forests of the Tunacadavu range, *South Coimbatore* were similarly worked. In *Tinnevely* selection fellings were confined to the Sríviliputtúr range. Trees offered for sale in the other ranges did not find buyers on account of the change introduced in the method of sale suggested in last year's report.

(3) *Improvement Fellings* and (4) *Coppice Fellings and Coppice with Standard Fellings.**Northern Circle.*

In the *Gódvári* district 208 acres in some reserves were worked under coppice with standards and in the Railway working circle in *Kistna*. In *Kurnool* five coupes aggregating 1,462 acres were worked under coppice with standards in addition to two coupes worked for fuel in two of the reserves.

Central Circle.

Two coupes in the Balapalle Working Circle, *Cuddapah*, and 140 acres in Settigunta reserve were treated under coppice with standards, the area being leased out. Eight coupes were worked departmentally in *Cuddapah* and Sidhout ranges for the supply of fuel and small timber for local demand. In *Chingleput* 16 coupes were sold to contractors to be worked under coppice with standards on similar conditions as in the previous year. No coupes were worked departmentally in *North Arcot* but 35 coupes were sold to contractors to be worked as coppice with standards. Seven regular coupes and three village coupes, 521 acres in all, were sold to contractors to be worked under this system in *South Arcot*, while five coupes in the Viyampatti range were similarly treated in *Trichinopoly*. In *Tanjore* three coupes of the Vettangudi reserve, 178 acres in extent, were felled during the year by a coupe contractor and realised Rs. 850 against Rs. 650 in the previous year for a similar area.

Southern Circle.

In *South Canara* Rs. 1,336 were realised from coupes given on contract for felling on the coppice with standard system. The Ayerangal, Chinnar and Singaratope Working Circles in *South Coimbatore* were worked under the above system. In *Madura*, 90 acres in the Cumbum range were worked departmentally under the modified permit system under which trees are cut flush with the ground at Government cost and permits issued for their removal, the price being the seigniorage rate, *plus* cost of felling. The method is reported to find favour with the people, but needs much supervision. Seven coupes in Palamedu and 14 in the Kanavoipatti range were sold standing, while ten were worked departmentally. In the deciduous forests of *Tinnevelly* coppice under standards was very successful. Other working circles were also treated under the same system, while simple coppicing was carried out in two reserves.

(5) *Unregulated Fellings.**Northern Circle.*

Felling and removal of produce under permits continues in almost all districts for produce mentioned in the previous reports. Selected poles and logs on demarcated lines and darkhast lands were cut and carted to the Russelkonda depot in the *Ganjam* district. In *Gó dávari*, the removal of timber for commercial purposes was prohibited pending preparation of working-plans.

Central Circle.

In the bamboo blocks in the Chandragiri, Vellore and Polur ranges of *North Arcot*, permits were issued for the removal of bamboos. In *Tanjore* no unregulated fellings were permitted, but where felling was allowed on the permit system licenses were issued for dead wood and third-class timber only.

Southern Circle.

In *South Canara* Rs. 5,176 were realized from unregulated fellings against Rs. 3,936 in the previous year, the increase being due to the discontinuance of departmental operations in the Udipi range. In all Rs. 2,158 or Rs. 1,312 in excess of the previous year were obtained for fuel for sandalwood and cinnamon-oil stills and for the cinnamon leaves for distilling the oil. In *North Malabar* the usual system of permitting free removals by poor ryots was continued. As in the previous year, in *South Malabar*, contractors were allowed to cut bamboos for floating timber purchased by them.

6. EXTRACTION AND TRANSPORT OF MAJOR FOREST PRODUCE BY LAND AND WATER.

Northern Circle.

32. In *Gó dávari*, it is proposed to construct a tramway between Samalkot and Yeleswaram and to have a short length of Callet's Mono-rail, to lessen the transport charges.

Central Circle.

In this circle, transport is chiefly done by country carts, ponies, coolies, donkeys, the railway, and in boats along the Buckingham canal and Pulicat lake.

Southern Circle.

In *South Canara*, some timber was shipped to Bombay from the sea-ports of Bunder and Gangoli. The steepness of the ghât slopes in many places renders the extraction of timber very difficult and expensive. There are, however, some rivers down which the timber is floated. The timber felled in *North Malabar* was all dragged to depots by elephants and the bamboos were floated down the streams. In *South Malabar*, there was no change in the mode of carriage of timber to depots.

Generally the usual means of transport of major forest produce in all districts are railways, country carts, ponies, donkeys, coolies and in places near streams or canals boats were used or the timber floated down. The present means of extraction and transport are admittedly inadequate and their improvements will result in enhanced revenue and general advantage.

7. EXPLOITATION OF MINOR FOREST PRODUCE.

(1) *Extraction of Fodder.**Northern Circle.*

33. In *Kurnool*, Rs. 2,070 were realized by the sale of grass. Of this Rs. 1,450 were paid by a contractor for the right to distil oil from kussavu (*Andropogon Muricatus*) grass in certain ranges of the district. The revenue in *Bellary* under this head rose from Rs. 1,485 to Rs. 2,098 and that in *Anantapur* from Rs. 197 to Rs. 446. The increase in the latter district was due to higher price and better supervision and a portion of the fodder cut and stacked departmentally in it was sold at a profit.

Central Circle.

In *Chingleput*, nearly Rs. 82 were collected during the year for the removal of thatch grass. Though free removal of grass for hay-making purposes was permitted in some of the reserves, the ryots did not avail themselves of the concession on account of the inferior quality of the grass. In *Trichinopoly*, grass was allowed to be removed on permits except where the right of collection for a period of not more than a year was sold in auction. In *Tanjore*, no grass or hay was collected either departmentally or by purchasers.

Southern Circle.

In *South Canara*, Rs. 491 were collected by the sale of thatch grass against Rs. 570 in the previous year. In *South Malabar*, grass was sold only in the Chenab Nair reserve and fetched Rs. 77. Grass was removed on permits from all blocks in *South Coimbatore* except the Dhalli block.

(2) *Hay-making.*

34. In *Vizagapatam*, 300 maunds of hay were cut from the coupes felled in the previous year, out of which 70 maunds were sold for Rs. 4-6-0. The hay was made by the forest subordinates free of cost. Some fodder grass was cut and stacked departmentally in *Anantapur* at a cost of Rs. 84. Part of it was sold for Rs. 40 at a profit of Rs. 6. Forty tons of hay were collected from the various working circles in *Salem* and transported to depots at a total cost of Rs. 170-13-10 and each ton fetched between Rs. 6-4-0 to Rs. 7-8-0. The 12 tons collected from the Krishnagiri working circle were sold at a loss of Rs. 8. Two and a half tons of hay were sold to the English warehouse, Kolar, at Rs. 8 per ton. This attempt to find an outside market for the hay was not successful as the grass was too tough, having been cut late. In the *Nilgiris*, it was considered advisable to induce private parties to manufacture hay by giving them every facility for doing so. Consequently the Madras Mule-breeding Company was granted 2,500 acres in the Segur country on easy terms. It is proposed to close to grazing large areas in *North Coimbatore* and to convert into hay the grass contained therein. As good grass is rare in *Tinnevely* no hay-making can be undertaken in that district. No hay-making operations were undertaken in any other district.

(3) *Grazing.*

35. The following statement compares the revenue derived from "grazing and grass removals" during the year with that of the previous year :—

Circle.				1900-1901.	1901-1902.	Difference.	
				RS.	RS.	RS.	
Northern Circle	..	..	..	1,91,537	2,22,359	+	30,772
Central	"	..	..	2,35,732	2,35,118	—	614
Southern	"	..	..	83,132	82,591	—	541
Total				5,10,451	5,40,068	+	29,617

There is an increase in the Northern Circle, especially in *Kurnool* and *Anantapur*, due to the large number of permits taken out, but in the other two Circles there is a decrease due to the larger number of cattle permitted to graze free owing to the unfavourable season.

In *Gó dávari* a fee of As. 8 per buffalo and As. 4 per bullock was charged on Delta cattle taken to graze in the Agency tracts. The system followed in *Cuddapah* of permitting cattle covered by a permit to graze in any forest in the district continued during the year. In *Nellore*, there was a decrease of Rs. 5,000 attributed to laxity of supervision. The decrease of Rs. 10,619 in *North Arcot* was only nominal since permits were issued for the six months ending 30th June 1902 at half the rates, (the permits issued in 1901 having expired by 31st December 1901), so that fresh permits at full rates might be issued for the forest year 1902-1903. In all the districts the rates charged were the same as in the previous year.

(4) *Miscellaneous Produce.*

36. The collection of miscellaneous produce was very generally leased out to contractors in the usual way.

Northern Circle.

The indent for 200 maunds of Kamela powder (*Mallotus philippinensis*) in *Ganjám* referred to in the last report was not repeated this year as the indenting firm was not able to open up a trade in this product. For want of bidders, the minor produce of the Agency tract in *Vizagapatam* was collected departmentally and fetched Rs. 9,045 against Rs. 6,598 of the previous year. Fees were levied on the exported minor produce from the Agency tracts in the *Gó dávari* district. Excluding Rs. 13,754 collected by Revenue Officers on account of the usufruct of trees on unreserved lands, Rs. 24,875 was collected in all. Rs. 4,000 was also realized on the plumbago shipment made by the *Gó dávari* Coal Company through a Cocanada firm, excluding surface rent amounting to Rs. 1,073. The Chenchus, as usual, enjoyed free all minor produce in the Nallamalais in *Kurnool*. Elsewhere in the district minor fruit sales realised Rs. 8,351 against Rs. 1,297 in the previous year and the total revenue collected during the year under this head was Rs. 36,892.

Central Circle.

In *North Arcot*, 134½ maunds of Divi Divi pods were collected departmentally and sold for Rs. 96, while in *Trichinopoly* no purchasers were found for this produce.

Southern Circle.

In *South Canara*, 15 tons 700 lb. of catechu, manufactured at a cost of Rs. 232 per ton, sold at Rs. 702 per ton for Rs. 10,714 as against 18 tons 1,551 lb. for Rs. 11,978 in the previous year. Fifteen maunds of wood-oil were extracted at a cost of Rs. 25-0-10, of which 7 maunds were sold at Rs. 12 per maund. Nine maunds and 24 lb. of cardamoms were collected at a cost of Rs. 430 and sold at a loss of nearly Rs. 300, owing to the neglect or corruption of subordinates. In *North Malabar*, minor produce was collected departmentally at a cost of Rs. 1,086 and realised Rs. 1,340. Rs. 4,672 were realized by the departmental collection of minor produce in three ranges of *South Coimbatore* against Rs. 4,622 in the previous year. The revenue realised by the removal on permits of manure leaves, thatching grass, stones, etc., in *Madura* was Rs. 8,052 against Rs. 7,185 of the previous year, the increase being due to the greater demand for manure leaves, the result of more lands having been brought under cultivation under the Periyár irrigation. Rs. 8,768 were obtained as rent for the sholas in the Lower Palnis leased out for cardamom cultivation against Rs. 6,155 in the previous year.

CHAPTER III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

37. The subjoined abstract shows the total outturn of timber and other produce collected during the year as compared with that of the previous year :—

ABSTRACT I.—Comparative yield as per Forms Nos. 55, 56, 72A and 72B.

	Timber (in cubic feet) including sandalwood (at 40 cubic feet a ton).		Fuel (in cubic feet) (at 40 cubic feet a ton).		Bamboos (in numbers).		Minor produce (gross value in rupees).	
	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.	1900-1901.	1901-1902.
1	2	3	4	5	6	7	8	9
By Government Agency ..	568,039	389,361	3,052,275	3,965,439	318,782	49,709	43,142	38,863
By purchasers (including confiscations)	2,586,246	2,760,175	11,162,236	10,941,206	29,421,494	38,726,111	10,05,958	11,07,541
By free grants	67,489	60,621	351,343	354,199	196,964	420,934	2,431	4,361
By right-holders	1,671	1,731	257,544	257,709	21,314	20,864	40,149	40,463
Total ..	3,223,445	3,211,888	14,823,398	15,518,553	29,958,554	39,217,618	10,91,680	11,91,228
Increase or decrease in 1901-1902 as compared with 1900-1901 .. ..	..	— 11,567	..	+ 695,155	..	+9,259,064	..	+ 99,548
Percentage of increase or decrease over the previous year .. ..	..	— 4	..	+ 4.7	..	+ 38.9	..	+ 9

The results show an increase under all heads except *Timber*. The causes for the difference are given below :—

Section I.—Departmental Operations.

38. The following abstract shows the produce collected and disposed of departmentally during 1901-1902 as compared with the previous year's return :—

Produce collected.	During 1900-1901.			During 1901-1902.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1	2	3	4	5	6	7
Timber C. ft.	562,218	RS. 1,49,170	RS. A. P. 0 4 3	385,462	RS. 58,280	RS. A. P. 0 2 6
Fuel	3,052,275	1,27,214	0 0 8	3,965,639	1,96,630	0 0 9
Bamboos No.	318,782	8,449	0 0 5	49,709	1,348	0 0 5
Sandalwood C. ft.	5,821	7,545	1 4 9	3,899	7,338	1 14 1
Minor produce Mds. (25 lb.)	39,049	20,899	0 8 7	52,060	20,960	0 10 5
Total ..	..	3,13,277	..	..	2,84,556	..

Produce disposed of.	During 1900-1901.			During 1901-1902.			Stock on 1st July 1901.	Stock on 30th June 1902.
	Quantity	Cost.	Average.	Quantity.	Cost.	Average.		
	8	9	10	11	12	13	14	15
Timber C. ft.	766,693	RS. 2,77,285	RS. A. P. 0 5 10	377,571	RS. 1,46,352	RS. A. P. 0 6 2	* 561,944	569,835
Fuel	3,107,002	2,12,429	0 1 1	4,019,822	2,96,357	0 1 2	938,423	884,240
Bamboos No.	279,353	7,821	0 0 5	123,795	2,162	0 0 3	87,892	13,806
Sandalwood C. ft.	5,819	41,208	7 1 4	4,228	21,432	5 1 1	1,164	835
Minor produce Mds. (25 lb.)	35,970	47,195	1 5 0	34,758	40,663	1 2 9	* 21,137	18,439
Total ..	..	5,85,938	..	..	5,06,966	..	..	..

* Revised figure.

Compared with the collection of the previous year the total quantity collected departmentally under all heads shows a decrease except under *Fuel*. The decrease under *Timber* is noticeable particularly in *Ganjam*, *South Canara* and *South Malabar* and is somewhat counterbalanced by increase chiefly in *Bellary* and *Cuddapah*. In *Ganjam* the decrease is accounted for by the change of practice during the year in classifying the sale of standing trees on darkhast lands under removals by purchasers instead of under collections and sale by departmental agency as previously. In *South Canara* and *South Malabar* the cessation of departmental sleeper operations and the absence of selection fellings in a coupe of the latter district account for the decrease. The increase in *Bellary* was due to felling operations having been fully carried out as per sanctioned working-plans, while that in *Cuddapah* arose from the collection of redwood roots and stumps and of small timber from fuel coupes in two taluks.

Under *Fuel* there was a marked increase, chiefly in *Vizagapatam*, *Godavari*, *Kistna*, *Kurnool*, *Cuddapah*, *Salem*, *Trichinopoly*, *Tanjore*, the *Nilgiris*, *South Coimbatore* and *Madura* partly counterbalanced, however, by decrease mainly in *Nellore*, *South Canara* and *South Malabar*. The increase in *Vizagapatam* was due to a larger demand by the Railway Company and the Jail Department, that in *Godavari* and in *Kistna* to supplies to railway, the requirements of to a private company and to the depots at Bezvada. The demand for fuel from the Southern Mahratta Railway and the Kurnool water-works caused the increase in *Kurnool*, while that in *Cuddapah* was due to departmental collections in coupes opened for Cuddapah fuel supply. The increase in *Salem* was the result of a more extended scale of supply to the Madras Railway Company, to the Salem sale depots and to other public departments. The demand for fuel by the Boer camp in *Trichinopoly* and by the South Indian Railway in *Tanjore* was the cause of increase in those districts. In the *Nilgiris* it was due to greater demand for fuel in the towns of Coonoor and Ootacamund and to the railway taking a regular quantity every month at the former station. The increase in *South Coimbatore* was due to the carrying out of felling operations fully in all the working circles. The increase in *Madura* was the outcome chiefly of the supply of fuel to the Railway Company from the Kanavoipatti range coupe. The decrease in *Nellore* was due to the sale of standing trees in most of the coupes to contractors direct instead of felling them departmentally, that in *South Canara* to the washing away of a large number of casuarina trees by the sea from the Tannirbhavi plantation, and that in *South Malabar* arose from the cessation of sleeper operations which hitherto yielded fuel in the slabs.

Under *Bamboos* the decrease occurred mainly in *South Malabar* and *North Coimbatore*, due in the former district to non-floating of timber to Beypore for supply of sleepers and in the latter to the stoppage of departmental collections in favour of removals by purchasers, the demand being beyond what the department could supply.

Under *Sandalwood* the decrease occurred mainly in *Bellary* and *North Coimbatore*. In the former district, want of establishment to supervise the work is reported to be the cause, while in the latter it was due to the small number of trees containing scented wood.

Under *Minor produce* the decrease occurred mainly in *South Arcot* and *North Coimbatore* partly counterbalanced by increase chiefly in *Bellary* and *Salem*. In *South Arcot* the decrease was due to there being no supply of thorns to the Salt Department as in the previous year, and that in *North Coimbatore* arose from bad crop. The increase in *Bellary* was due to supply of thatch grass to the Bellary Municipality for plague sheds and that in *Salem* to the collection of hay on a more extensive scale during the year as an experimental measure.

Under *disposals* the total quantity shows a decrease under all heads except *Fuel*. The decrease under *Timber* occurred chiefly in *Ganjam*, *Bellary*, *South Canara*, *North Malabar*, *South Malabar* and the *Nilgiris*. There was, however, a noticeable increase principally in *South Coimbatore*. The decrease in *Ganjam* is explained by the quantity of timber disposed of on darkhast lands being smaller than in the preceding year, while that in *Bellary* is said to arise from measuring the poles differently. The cessation of sleeper operations in *South Canara* and the low rates offered for timber cut in the previous year in *North Malabar* account for the decrease in those districts.

The shortage under *Collections* in *South Malabar* explains the decrease under *Disposal*. In the *Nilgiris* it was attributed to the establishment having been engaged in the supply of teak sleepers to the Southern Mahratta Railway. The increase in *South Coimbatore* was mainly due to the inclusion of a quantity of timber written off the accounts and that used departmentally during the year.

The disposals under *Fuel* show an increase, *Vizagapatam*, *Gódvári*, *Kistna*, *Kurnool*, *Nellore*, *Chingleput*, *Salem*, *Trichinopoly*, *Tanjore* and *South Coimbatore* being chiefly responsible for it. On the other hand there were decreases mainly in *North Arcot* and *South Malabar*. The supply of fuel to the Railway Company and to the Jail Department in *Vizagapatam* and the supply of lighting fuel to the railway from the Coringa reserve in the *Gódvári* district were the causes for increase in those districts. In *Kistna*, *Kurnool*, *Salem*, *Trichinopoly* and *Tanjore* the increase was due to the causes already explained under *collections*. In *Nellore* the sale of the previous year's stock during the year accounted for the increase, which in *Chingleput* it was due to supplies made to the Ordnance Department and Conjeeveram water-works. The decrease in *North Arcot* was due to the absence of the usual demand for fuel from the Superintendent, Central Jail, who had obtained and stored during the previous year the quantity required for the year under report, and that in *South Malabar* to causes already explained under *collection*.

Under *Bamboos* the disposals show a decrease mainly in *North Coimbatore*, due to causes explained under *collections*. The decrease under *Sandalwood* arose from failure to sell in England the wood exported through the agency of Messrs. Pierce, Leslie & Co.

Under *Minor produce* the disposals exhibit a decrease principally in *South Arcot* and *North Coimbatore*, partly counterbalanced by increase chiefly in *Bellary*, which has been explained under *collections*. As regards cost of collection, there was an increase under all heads except *Timber* and *Bamboos*. The lower rate under *Timber* was due to the absence during the year of any charges in connection with sleeper operations in *North Malabar* and *South Coimbatore*. The increase in the case of fuel is small and calls for no remark.

Under *Sandalwood* the higher rate is reported to be mainly due to a very large percentage of apparently matured trees in *North Coimbatore* giving no heartwood and to excessive transport charges incurred on account of them.

The increased rate under *Minor produce* arose out of large expenditure incurred principally in *South Arcot*, *North Coimbatore*, *South Coimbatore* and *North Malabar*. In *South Arcot* a large quantity of thorns for the Salt Department was collected in the previous year at a small cost. The higher rate in *North Coimbatore* is said to be due to the inefficient control of certain subordinates who were punished for the same and that in *South Coimbatore* and *North Malabar* to the large collection of more valuable minor produce, such as cardamoms, gallnuts, &c., made during the year as compared with the collection of the previous year.

The average rates of sales show a decrease under all heads except *Timber* and *Fuel*. The increase under *Timber* was due mainly to the low price realized in the previous year in *North Malabar* on account of the wastage incurred in sawing sleepers and to the collection of revenue from sleepers supplied to the railway and referred to in the previous year's report.

Under *Fuel* the increase is small and calls for no remark. The decrease under *Bamboos* was due to the sale of previous year's stock in *South Malabar* for a very low price for want of demand and from the Police and Ordnance Departments requiring no tent poles, lance-staves or lathis; that under *Sandalwood* was due to low prices realized for the wood in *Salem* on account of absence of demand and to non-sale of the wood in *North Coimbatore* exported to England through the agency of Messrs. Pierce, Leslie & Co. The decrease under *Minor produce* was due mainly to bad crop of the year, chiefly in *North Coimbatore*.

Section II.—Removal by Purchasers.

39. The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers during the year under review as compared with the return of the preceding year:—

(Form No. 72 A.)

ABSTRACT K.—Produce removed by purchasers.

			During 1900-1901.			During 1901-1902.		
			Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
<i>Northern Circle.</i>				RS.	RS. A. P.		RS.	RS. A. P.
Timber	..	C. ft.	1,408,258	1,78,087	0 2 0	1,382,044	1,26,256	0 1 6
Firewood	..	..	2,776,511	58,424	0 0 4	3,157,031	62,903	0 0 4
Bamboos	..	No.	13,624,373	66,422	0 0 1	19,811,602	94,491	0 0 1
Grass and grazing	..	..	..	1,92,244	..	..	2,22,359	..
Minor produce	..	..	..	2,04,645	..	..	2,38,598	..
Total	..	..	..	6,99,822	..	..	7,44,607	..
<i>Central Circle.</i>								
Timber	..	C. ft.	654,498	53,216	0 1 4	791,949	62,004	0 1 3
Firewood	..	..	3,879,755	1,45,150	0 0 8	4,349,158	1,61,424	0 0 7
Bamboos	..	No.	12,673,695	58,210	0 0 1	12,415,549	62,370	0 0 1
Grass and grazing	..	..	..	2,35,331	..	..	2,34,667	..
Minor produce	..	..	..	2,19,851	..	..	2,18,439	..
Total	..	..	..	7,11,758	..	..	7,38,904	..
<i>Southern Circle.</i>								
Timber	..	C. ft.	447,445	42,755	0 1 6	423,763	52,104	0 1 11
Firewood	..	..	4,429,218	1,02,789	0 0 4	3,394,268	1,09,369	0 0 6
Bamboos	..	No.	3,088,308	18,908	0 0 1	6,459,578	25,852	0 0 1
Grass and grazing	..	..	..	83,132	..	..	82,591	..
Minor produce	..	..	..	69,770	..	..	1,10,126	..
Total	..	..	..	3,17,354	..	..	3,80,042	..
<i>Presidency</i>								
Timber	..	C. ft.	2,510,201	2,74,058	0 1 9	2,597,756	2,40,364	0 1 6
Firewood	..	..	11,085,484	3,06,363	0 0 5	10,900,457	3,33,696	0 0 6
Bamboos	..	No.	29,386,376	1,43,540	0 0 1	38,686,729	1,82,713	0 0 1
Grass and grazing	..	..	..	5,10,707	..	..	5,39,617	..
Minor produce	..	..	..	4,94,266	..	..	5,67,163	..
Total	..	..	..	17,28,934	..	..	18,63,553	..
Grand Total of Sales			..	..	..	..	..	..

The total value of removals by purchasers shows a net increase of Rs. 1,34,619 over that of the previous year as shown in the margin. The increase occurred under all classes of produce except *Timber*.

	RS.
Timber	33,694
Fuel	27,333
Bamboos	39,173
Grass and grazing	28,910
Minor produce	72,897
Total	134,619

Under *Timber*, there was a noteworthy decrease chiefly in *Godáviri*, partly counterbalanced by increase mainly in *Ganjám* and *Salem*. The stoppage of the issue of permits for timber on unreserved lands in Bhadráchalam pending removal of the stock already felled and the comparatively low rates obtained for the produce in the year account for the decrease in *Godáviri*. The increase in *Ganjám* was due to timber sold on darkhast lands having been classified under *removals* by purchasers instead of under departmental collections as in the previous year, and partly to extensive removals of dead sál timber. In *Salem* larger prices realized for trees on darkhast lands account for the increase.

Under *Fuel* the increase occurred chiefly in *Godáviri*, *Kurnool*, *Nellore*, *South Coimbatore* and *Tinnevelly* partly counterbalanced by decrease in *North Arcot*. The increase in *Godáviri* was due to brisk demand, in *Kurnool* to increased receipts from sale of growth on patta lands for which there was an unusual demand. Fuel was also in request for the sugarcane mills at Nandyal. In *Nellore* the increase is due to the sale of coupes standing instead of working them departmentally, in *South Coimbatore* to better prices realized by leasing out certain coupes, and in *Tinnevelly* to the sale of standing growth of babul (*Acacia arabica*) and odai (*Acacia Latronum*).

trees in certain coupes which secured very good prices. The decrease in *North Arcot* is reported to result from the abolition of the system of leasing out dead trees for fuel and to the sale of a smaller number of coupes owing to absence of demand.

The increase under *Bamboos* occurred chiefly in *Godávári* and *South Coimbatore*. Large demand from sugarcane planters accounted for the increase in *Godávári*, while in *South Coimbatore* it was due to the leasing of bamboo coupes in the Chinnar Working Circle and to the reduction of the rate for dry bamboos.

The variations under Grazing have been already explained in paragraph 35.

Under *Minor produce* the increase occurred mainly in *Godávári*, *Bellary*, *Nellore*, *South Arcot*, *Salem*, *South Canara* and *Tinnevelly*. The increase was partly counter-balanced by decrease principally in *Kistna*, *Cuddapah*, *North Arcot* and *Trichinopoly*. In *Godávári* the increase was due to an exceptionally good crop, in *Bellary* to sale of *Rela* (*Cassia fistula*) bark, and to better arrangements made for the disposal of minor fruits, in *Nellore* to larger realization from mica, in *South Arcot* to the realization of better prices for all kinds of produce, in *Salem* to sale of several mining leases and in *South Canara* to the amounts from sale of minor produce for 1901 and 1902 having been credited in the year and in *Tinnevelly* the receipts included revenue of other years.

The decrease in *Kistna* has not been explained, while that in *Cuddapah* is ascribed to low prices realized for the leases of tanning barks, in *North Arcot* to the inclusion of the lease amounts of certain blocks sold for three years, in the figures of 1900-1901 and in *Trichinopoly* to the slack demand for avaram bark and to poor tamarind crop.

40. The following statement shows the comparative cost of departmental and private workings and the net profit derived under each system :—

Items.	Measure.	Quantity sold.	Amount of sale-proceeds.	Charges.			Net profit or loss.	Rate of net profit (column 8 ÷ column 3) per measure in column 2.
				A. Conservancy and works.	B. Establishment and contingencies.	Total.		
1	2	3	4	5	6	7	8	9
Departmental Working—								
Timber	C.F.T.	377,571	RS. 1,46,352	RS. 58,280	RS. 43,978	RS. 1,02,258	RS. + 44,094	RS. A. P. +0 1 10
Fuel	"	4,019,822	2,96,357	1,96,630	1,48,376	3,45,006	— 48,649	—0 0 2
Bamboos	No.	123,795	2,162	1,348	1,017	2,365	— 203	..
Sandalwood	C.F.T.	4,228	21,432	7,338	5,537	12,875	+ 8,557	+2 0 5
Minor produce	Mds.	34,758	40,663	20,960	15,816	36,776	+ 3,887	+0 1 10
Private Working—								
Timber	C.F.T.	2,597,756	2,40,364	13,679	27,696	41,375	+1,98,989	+0 1 3
Fuel	"	10,900,457	3,33,696	18,990	38,449	57,439	+2,76,257	+0 0 5
Bamboos	No.	36,686,729	1,82,713	10,399	21,053	31,452	+1,51,261	+0 0 1
Grazing	"	..	5,39,617	30,710	62,176	92,886	+4,46,731	..
Minor produce	"	..	5,67,163	32,278	65,350	97,628	+4,69,535	..

The rate of profit realized by working Timber departmentally was in excess of that under *private agency*. This increased profit was due mainly to the cause mentioned in paragraph 38. Fuel and Bamboos, however, showed a loss. The loss under *Fuel* was due chiefly to low prices obtained for fuel in *Vizagapatam* and *Cuddapah*, to small realizations in *South Canara* for casuarina trees washed out by the sea from the Tannirbhavi plantation, to slack demand from breweries for charcoal in the *Nilgiris*, to absence in *North Arcot* of the usual demand from the Ordnance and Police Departments for lance staves, tent poles and lathis and the abandoning departmental collection in *North Coimbatore* in favour of removals by purchasers as the demand was greater than could be coped with by the department. The decrease under *Sandalwood* as compared with the previous year was due the cause explained under 'Disposals' in *North Coimbatore* and to low prices secured for sandalwood in *Salem*. The decrease in the rate for minor produce is the result chiefly of poor crop during the year.

41. The sales of confiscated produce during the year under report as compared with those of the previous year are recorded in the subjoined abstract:—

(Form No. 72-B.)

ABSTRACT L.—Confiscations, &c.

	During 1900-1901.			During 1901-1902.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
<i>Northern Circle.</i>						
Timber C. ft.	63,717	Rs. 6,178	Rs. A. P. 0 1 7	140,391	Rs. 9,703	Rs. A. P. 0 1 1
Firewood "	43,731	559	0 0 2	9,123	211	0 0 4
Bamboos No.	12,159	55	0 0 1	27,703	112	0 0 1
Minor produce .. Money value.	..	606	..	..	233	..
Total ..	..	7,398	..	..	10,259	..
<i>Central Circle.</i>						
Timber C. ft.	3,103	1,134	0 5 10	12,476	1,971	0 2 6
Firewood "	9,997	832	0 1 4	4,328	279	0 1 0
Bamboos No.	8,157	144	0 0 3	8,617	68	0 0 2
Minor produce .. Money value.	..	227	..	..	428	..
Total ..	..	2,337	..	..	2,746	..
<i>Southern Circle.</i>						
Timber C. ft.	9,225	2,178	0 3 9	9,552	1,513	0 2 6
Firewood "	23,024	935	0 0 8	27,298	1,008	0 0 7
Bamboos No.	14,802	160	0 0 2	3,062	22	0 0 1
Minor produce .. Money value.	..	152	..	..	100	..
Total ..	..	3,425	..	..	2,643	..
<i>Presidency Total.</i>						
Timber C. ft.	76,045	9,490	0 2 0	162,419	13,187	0 1 4
Firewood "	76,752	2,326	0 0 6	40,749	1,498	0 0 7
Bamboos No.	35,118	359	0 0 2	39,382	202	0 0 1
Minor produce .. Money value.	..	985	..	..	761	..
Grand Total ..	..	13,160	..	..	15,648	..

The amounts realized by sales show an increase of Rs. 2,488 which occurred mainly in *Gódvári*, where more drift timber was seized.

42. The following abstract statement shows the quantity and value of produce removed by right-holders and free-grantees:—

			Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.	
			Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.		
By Right-holders.												
Northern Circle	..	..	1,311	RS. 94	257,510	RS. 4,828	20,489	RS. 128	RS. 38,450	RS. 1,481	RS. 44,981
Central	..	..	..	..	..	..	..	..	..	356	356
Southern	..	..	420	38	199	11	375	1	3	673	726
Total			..	1,731	132	257,709	4,839	20,864	129	38,453	2,510	46,063
By Free-grantees.												
Northern Circle	..	..	21,404	2,159	925	21	63,625	318	82	2,399	4,979
Central	..	..	30,383	2,324	345,279	5,413	345,725	975	441	1,437	10,590
Southern	..	..	8,834	1,828	7,995	312	11,584	110	2	..	2,252
Total			..	60,621	6 311	354,199	5,746	420,934	1,403	525	3,836	17,821

The increase under *right-holders* was due chiefly to enhanced grazing fees in the Nallamalai Hills inside Sim's line in the *Kurnool* district. In most of the districts free grants were made to poor ryots for rebuilding houses destroyed by fire. Free removal of grass and fuel was allowed in portions of *North Arcot* affected by drought. In *Bellary* 400 cart-loads of stone were allowed from unreserved lands for the construction of a well for the use of the public in Harpanahalli Range.

CHAPTER IV.—FINANCIAL RESULTS.

43. In the subjoined table the financial results of the year under review by circles are compared with those of the previous year and with the average of the five preceding it. During the year there was a net increase of Rs. 44,790 over the previous year's return and Rs. 1,56,228 over the average yearly surplus since 1895 :—

	Years.					Average per year.	1900-1901.	1901-1902.
	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.			
<i>Revenue.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	7,23,859	5,97,422	5,99,670	6,14,046	7,13,954	6,49,790	7,79,146	8,86,581
Central „	9,39,733	9,48,547	8,88,834	8,73,772	9,63,093	9,22,796	9,34,847	10,22,586
Southern „	5,04,038	6,42,948	6,62,610	5,87,436	6,36,460	6,06,698	7,29,780	5,87,327
Total	21,67,630	21,88,917	21,51,114	20,75,254	23,13,507	21,79,284	24,43,773	24,96,494
<i>Expenditure A "Conservancy and Works."</i>								
Northern Circle	1,68,443	2,42,025	2,06,027	1,98,750	2,29,397	2,08,928	2,13,108	2,31,660
Central „	2,79,773	3,06,570	2,78,206	2,48,912	2,85,449	2,79,782	2,76,620	3,20,428
Southern „	2,64,609	2,79,605	2,84,977	3,20,139	3,17,555	2,93,377	3,86,322	3,35,137
Total	7,12,825	8,28,200	7,69,210	7,67,801	8,32,401	7,82,087	8,76,050	8,87,225
<i>Expenditure B Establish- ments.</i>								
Northern Circle	2,15,434	2,23,255	2,61,999	2,59,525	2,65,661	2,45,175	2,57,146	2,58,497
Central „	2,81,222	2,78,212	2,78,281	2,81,023	2,94,553	2,82,658	3,14,479	3,10,844
Southern „	2,59,507	2,58,210	2,78,999	2,83,800	2,95,581	2,75,219	2,90,515	2,89,555
Total	7,56,163	7,59,677	8,19,279	8,24,348	8,55,795	8,03,052	8,62,140	8,58,896
<i>Total of A and B.</i>								
Northern Circle	3,83,877	4,65,280	4,68,026	4,58,275	4,95,058	4,54,103	4,70,254	4,90,157
Central „	5,60,995	5,84,782	5,56,487	5,29,935	5,80,002	5,62,440	5,91,099	6,31,272
Southern „	5,24,116	5,37,815	5,63,976	6,03,939	6,13,136	5,68,596	6,76,837	6,24,692
Total	14,68,988	15,87,877	15,88,489	15,92,149	16,88,196	15,85,140	17,38,190	17,46,121
<i>Net results.</i>								
Northern Circle	+ 3,39,982	+ 1,32,142	+ 1,31,644	+ 1,55,771	+ 2,18,896	+ 1,95,687	+ 3,08,892	+ 3,96,424
Central „	+ 3,78,738	+ 3,63,765	+ 3,32,347	+ 3,43,837	+ 3,83,091	+ 3,60,356	+ 3,43,748	+ 3,91,314
Southern „	- 20,078	+ 1,05,133	+ 98,634	- 16,503	+ 23,324	+ 38,102	+ 52,943	- 37,365
Total	+ 6,98,642	+ 6,01,040	+ 5,62,625	+ 4,83,105	+ 6,25,311	+ 5,94,145	+ 7,05,583	+ 7,50,378

The gross receipts exceeded those of the previous year by Rs. 52,721 and the total expenditure was greater by Rs. 7,931. The increase under receipts was distributed over the Northern and Central Circles, but was partly reduced by a decrease of Rs. 1,42,453 in the Southern Circle. The expenditure increased in the Northern and Central Circles by Rs. 19,903 and Rs. 40,173, respectively, while there was a less expenditure of Rs. 52,145 in the Southern Circle. The net result in the Southern Circle shows a deficit due to causes noted below. The outstanding revenue due to the department at the close of the year under review was Rs. 1,73,311 against Rs. 2,03,712 at its commencement. The variations under the several heads of revenue and expenditure during the past two years are explained below :—

RECEIPTS.

(i) *Departmental Agency.*

Timber — Rs. 1,30,933—Due mainly to the cessation of sleeper operations in *South Canara* and *South Malabar*.

Fuel + Rs. 83,928—Due to (1) supply of lighting fuel to the Railway Company in *Gôdâvari* and *Kistna*, and to the supply made from the latter district to the West Patent Press Company, (2) demand for fuel from the Southern Mahratta Railway in

Kurnool and *Bellary*, (3) the sale during the year of unsold wood of the previous year in *Nellore*, (4) increased supply of fuel to the railway and of fuel and agricultural implements for local consumption and (5) supply of a large quantity of fuel to the Boer Camp in *Trichinopoly* and of Mangrove fuel from *Tanjore* to the South Indian Railway for the Kulikarai brickfield.

Bamboos — Rs. 5,659—Due mainly to (1) absence in *North Arcot* of the usual demand from the Ordnance and Police Departments for tent poles, lance staves and laths, and (2) the giving up of the departmental collection in *North Coimbatore* in favour of removals by purchasers.

Sandalwood — Rs. 19,776—Due principally to the stoppage of local sales, consignments having been shipped to the European market and to a large percentage of trees, apparently mature, giving no heartwood.

Minor produce — Rs. 6,532.—The decrease occurred chiefly in *North Coimbatore* where the crop was exceedingly poor.

(ii) *Removals by Purchasers.*

Timber — Rs. 39,925. — The decrease occurred mainly in *Gódvári*, partly counterbalanced by increase chiefly in *Ganjám* and *Salem*. Stoppage of the issue of permits in Bhadrachalam for timber on unreserved lands pending removal of the stock already felled and better rates realized in the previous year account for the decrease in *Gódvári*. The increase in *Ganjám* was due to timber on darkhast lands being included under this head instead of under departmental removals and partly to the extensive removals of dead sál timber and that in *Salem* to larger receipts from trees on darkhast lands.

Fuel + Rs. 8,726—Due mainly to sale of the standing growth in the casuarina plantations and Sriharikóta in the *Nellore* district.

Bamboos + Rs. 27,699.—The increase is mainly in *Gódvári* where there was an unusual demand from sugarcane planters.

Grazing + Rs. 29,617.—The reason for increase is explained in paragraph 35.

Other produce + Rs. 94,984.—The increase is principally due to (1) exceptionally good crop of various items of minor produce in *Gódvári*, (2) the collection of revenue during 1901–1902 on tangedu bark sales for 1902–1903 and to a good crop of minor fruits in *Kurnool*, (3) better bids for minor fruits and babul pod sales in *Anantapur*, (4) the larger realisation from Mica in *Nellore*, (5) better prices secured for the forest produce in *South Arcot*, and (6) crediting of the revenue of other years in *Tinnevely* to the year under report.

(iii) *Miscellaneous.*

Revenue + Rs. 10,592.—This is due to revenue realised from drift wood in *Gódvári*, from mining leases in *Salem* and rent from the lessees of the padugais of the Udaiyárpálaiyam range in *Trichinopoly*.

EXPENDITURE.

A. *Conservancy and Works.*

It shows an excess of Rs. 11,175 over the previous year's actuals, due mainly to (1) supply of fuel from *Kurnool* to the Southern Mahratta Railway Company, (2) extensive departmental operations in *Salem* in consequence of the introduction of the working plans and partly to the increased cost of delivery of fuel to the Railway Company owing to the longer distance from which it had to be brought, (3) the felling and supply of a large quantity of fuel to the Boer Camp in *Trichinopoly*, (4) the supply of fuel to the Railway Company from the Kanavoipatti range coupe in *Madura*, and (5) the opening out of more cart-tracks and the maintenance of existing ghât roads in *North Coimbatore*.

B. *Establishments.*

The cost of establishment decreased by Rs. 3,244 owing to the reduction in the staff of Forest Settlement-officers and to a number of officers having been on deputation or on long leave to Europe.

Revenue.—*Salem* heads the list by contributing 19 per cent. of the net surplus. *Gódvári* stands next with 15 per cent. followed by *Nellore* 14 per cent., *Kurnool* 12 per cent., *Bellary* 11 per cent., and *Kistna* 10 per cent.

CHAPTER V.—ADMINISTRATION.

44. *Realization of revenue from the usufruct of toddy-yielding trees from Government waste and poramboke lands.*—The revenue under this head continued to be small in *Ganjám* and *Vizagapatam*, but in *Gódvári* Rs. 5,565 were realized during the year. The tree-tax system was in force in *Bellary* and *Anantapur* and there was an increase in the revenue realized in those districts during the year. In *Cuddapah* and *North Arcot*, the fixed fee system continued and the revenue collected was Rs. 7,292 and Rs. 5,171, respectively. The special rate of one anna for palmyra and Re. 1 for cocoanut trees continued to be charged in *Nellore*. In *South Arcot* the toddy-yielding trees were excluded from the operation of the minor forest produce leases and a sum of Rs. 1,363 was realized as tree-tax. There was no collection under this head in *Malabar*, *South Coimbatore* and *Madura* for reasons mentioned in the last report. In *Tinnevelly*, the fixed fee system was replaced by auctions. Ten years' leases are being extended to the reserved forests, as they were found more suitable.

45. *Measures adopted to encourage the growth of manure-leaf yielding trees and shrubs.*—In the Northern Circle, no steps were taken in this direction for reasons explained in the last report. In the Central Circle no steps were taken to encourage their growth except in *North Arcot* and *Tanjore*. In *North Arcot* seeds of avaram and kolingi were sown in blanks in several reserves but only on a small scale owing to unfavourable season. In *Tanjore*, seeds of several species sown in reserves germinated well, but the seedlings withered and died owing to bad weather. In *Cuddapah* and *Chingleput*, the supply in reserves and unreserves was adequate to meet the demand, while in *Nellore* no demand is reported to exist. In the Southern Circle, the demand in *South Malabar* and *South Coimbatore* was met with from private and unreserved lands, respectively. In *North Coimbatore*, Pungam (*Pongamia glabra*) was removed from the list of reserved trees to enable the ryots to use it for manure-leaves and the free removal of Kolingi (*Tephrosia purpurea*) was allowed from unreserved lands. The sanctioned working-plans in *Madura* provided for the supply of manure-leaves. In *Tinnevelly* a further experiment in sowing *Tephrosia purpurea* in Gangaikondan reserve proved a total failure owing to dry climate and poor soil, but the result of the sowing in the compound of the District Forest-office is reported to be satisfactory.

46. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, several permit-issuing stations were opened and the people felt no difficulty in obtaining permits for forest produce. Every facility was afforded to the public in *Bellary* and *Nellore*; in the former district a number of permit-issuing officers were appointed and arrangements were made to sell small timber from certain depots at moderate rates. In *Cuddapah*, departmental collections of redwood were, as usual, made in Pullampet range and sold at periodical auctions. A large quantity of timber—chiefly redwood—obtained from the fellings in the fuel coupes opened in Palkondas and Lankamalais was roughly shaped into agricultural and building materials and brought down for sale in *Cuddapah*. The prices obtained were profitable. Coupes were opened at convenient centres in *Chingleput*. Depots were opened in *North Arcot* to sell timber and fuel to the public and arrangements were also made to issue permits departmentally for manure-leaves and thatch grass instead of leasing them out as usual. In *South Arcot* manure-leaves were leased out by blocks to enable the villagers to take the leases themselves and the lessees were bound to issue permits at the seigniorage rate. Coupe contractors were also bound down to supply fuel and timber to the public at fixed rates and to have always a sufficient supply at the depots. In *Salem* agricultural implements were kept in depots and sold to ryots. In *South Malabar* it is reported that the wants of the people were met from private forests. The local demands in *Trichinopoly* and *Madura* were met in accordance with the provisions made in the sanctioned working schemes.

47. *Rules under the Forest Act.*—In *Ganjám, Gó dávari, Kurnool, Cuddapah* and *South Coimbatore*, the Timber Transit rules worked well. In *North Coimbatore* and *Salem* no complaints were made as regards sandalwood transit rules. The necessity for the introduction of Timber Transit rules in *Madura* and *North Arcot* is under consideration.

48. *Working of the rules under section 26 of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Gó dávari* and *Salem*. In *Gó dávari* the abuse, by the people of Bhadráhalam, of the privileges allowed to the Koyas, Reddis and Telegas continued during the year for want of a correct definition of a "Telega". In *Salem*, as usual, there were some cases of felling and damaging reserved trees on unreserved lands and several cases of clearing lands for cultivation without darkhast and for non-payment of the value of trees thereon. In *South Canara* certain alterations were made in the lists of reserved and classified trees for the ranges and the concession of allowing the public to collect dry firewood, manure-leaves and grass, free of charge, was continued in a portion of the Baindur reserve. Orders were passed during the year extending to other districts the system in vogue in *Madura* of selling permits like stamps, as a safeguard against defalcations.

49. *Coffee cultivation in reserved forests.*—In *Salem* the aggregate area leased out up to the end of the year under review was 3,469·83 acres with an assessment of Rupees 3,469-14-7. Of this amount, Rs. 3,359-14-7 have become payable, the balance of Rs. 110 being the assessment on 110 acres assigned in 1899 on which the instalment falls due only from 1903. Sixteen acres of land in Kupputtu reserve were granted during the year to a planter in exchange for 50 acres previously leased out to him. Eighty-three cents leased out to a planter in 1900 have not yet been handed over to him pending the execution of an agreement. In *South Coimbatore*, the rent and cesses due on 19 out of 20 estates were realized in full during the year and those on the remaining one have since been collected. The execution of lease agreements for the estates is pending their correct survey, as the survey made by the Surveyor of the India Survey Party was found faulty. The survey of six estates made by a local surveyor on behalf of the Anglo-American District Tea Trading Company is being scrutinized by the District Forest-officer.

50. *Tours of the Forest Member.*—The Hon'ble Mr. A. W. B. Higgins was Forest Member of the Board up to 9th April 1902 and during that period spent 39 days on tour visiting the districts of *Cuddapah, Nellore, Anantapur* and the *Nilgiris*. During the remaining period of the Forest year the Hon'ble Mr. F. A. Nicholson, C.I.E., held the Forest portfolio, and visited the *Nilgirs* and *Salem*.

51. *Conservators' Inspections.*—The appended statement shows the names of the Conservators who held charge of the three circles during the year, the number of days spent by them in camp and the names of the districts visited by them:—

Circle.	Names.	Days in charge.	Days in camp.	Districts visited.	District Forest-offices inspected.
Northern	{ Mr. C. E. Brasier " H. J. A. Porter	307 58	167 ..	{ All except Kurnool.	All except Kistna, Kurnool and Bellary.
Central	{ Mr. H. J. A. Porter " E. D. M. Hooper	297 68	141 46	{ All except Tanjore.	All.
Southern	Mr. H. A. Gass	365	267	All	All.

52. *Touring of the District Forest-officers.*—More than six months were spent in camp by all the District Forest-officers except those of *Kistna, South Coimbatore* and the *Nilgiris*.

53. *Inspection of Range offices by the District Forest-officers.*—The Range offices in all the districts, except *Vizagapatam, Gó dávari, Kurnool, Nellore, Chingleput, South Arcot, Salem, South Malabar, South Coimbatore* and *Tinnevely* were inspected twice during the year. In the other districts, some Range offices were inspected only once and others twice. In *South Malabar, Nilambur* Range office was not inspected at all.

54. *Audit of the accounts of the District Forest-offices.*—The accounts of all the District Forest-offices were, as usual, audited by the Local Fund inspecting staff of the Accountant-General's office and the results are reported to be satisfactory except in *Anantapur*.

55. *Forest school.*—A Deputy Ranger from the Northern Circle, a Ranger and two Deputy Rangers from the Central and a Ranger from the Southern were sent to the school during the year. Four Deputy Rangers and one stipendiary student to the Northern Circle, one Ranger and four stipendiary students to the Central, and one stipendiary and one Government student to the Southern returned from school with Rangers' certificates.

56. *Conferences of the District Forest and Divisional officers during Jamabandi.*—No conferences were held in *Vizagapatam*, *Gódvári* and *South Coimbatore* as no complaints were brought to notice. In *Tanjore* and *Malabar* the conference was not considered necessary. Owing to the absence of the District Forest-officer on leave at the time of jamabandi, no conference was held in *Bellary*. In *Anantapur* the District Forest-officer conferred with the Head Assistant Collector only and in *Chingleput* the Range officer attended the jamabandi of the Head Assistant Collector and of the Divisional-officer, Chingleput.

57. *Conduct and work of the establishment—Northern Circle.*—In *Ganjám* the conduct of the executive staff was not entirely satisfactory. One Ranger was temporarily reduced for six months for bad work and one forester resigned. One Deputy Ranger in *Gódvári* is accused of having made false statements and entered in the accounts as having paid the pay of fire-patrols when they were not actually paid. In *Kurnool* three foresters were removed from service, and three were under suspension, pending enquiry. In *Bellary* one Deputy Ranger was dismissed for bad work, one forester was suspended and two were reduced for the same reason. In *Anantapur* the conduct of the establishment was not good which, the Acting Conservator thinks, is chiefly owing to their duties not being properly defined.

Central Circle.—The conduct of the executive staff in *Cuddapah* is reported to have been satisfactory with a few exceptions. One forester in *Chingleput* resigned. One of the two Rangers in *North Arcot* reported to have been under suspension in the previous report was subsequently dismissed and the other transferred to another district with a warning. The forester who was under suspension was reinstated. One Deputy Ranger and a forester were suspended during the year for short periods for disobedience of orders. In *South Arcot* one forester was suspended for disobedience of orders. One of the trained Rangers was found to be dilatory and apathetic. One Deputy Ranger reported as under suspension in the last report was reinstated. In *Salem* the work of two Rangers is reported to be unsatisfactory and one Ranger resigned.

Southern Circle.—In *South Canara* one Ranger is reported to have given much trouble from his incapacity to manage his subordinates. In *North Malabar* two foresters were suspended on a charge of misappropriation but were reinstated after nine months and transferred to other districts. In *South Malabar* one Ranger, who had rendered long and useful service, died during the year. In *South Coimbatore* the Ranger referred to as suspended in the previous year's report for allowing illicit fellings was reduced to Deputy Ranger, first grade, and another, suspected of having hushed up a case, was reduced. In *Madura* a Deputy Ranger was suspended in connection with a serious defalcation of permits and afterwards allowed to resign. Two Rangers and a forester in *Tinnevelly* were suspended, pending enquiry.

The conduct of the protective staff in the three circles continued to be very unsatisfactory and leaves much room for improvement. There were several dismissals and suspensions amongst the forest guards and watchers for misconduct and gross neglect of duty. The permit-issuing gumastah of Kunavaram in *Gódvári*, who was prosecuted last year, was discharged but a re-trial has since been ordered. One permit-clerk in *Madura* was prosecuted and convicted for defalcation of permits. One range *patam* a permit gumastah was convicted of embezzlement and sentenced to rigorous imprisonment for 4 years and 4 months. In *Kurnool* a watcher was killed in Patti-konda range but the murderer was not found.

During the year the rangerships were recruited from passed Dehra students, some of them stipendiaries and others who had served as Deputy Rangers and Foresters prior to their training. Some further advance was made towards filling up the foresterships by appointing forest guards of meritorious service, hoping by this incentive to get more honest work from the guards as a class without necessarily requiring a knowledge of English for such promotion.

58. *Health of the establishment.*—In the *Northern Circle*, the health of the establishment was fair in all the districts except *Górávari*. The agency range of *Górávari* was very unhealthy during the year. The Working-plans officer (Mr. Cowley-Brown), who made a tour in the range had to go on long leave owing to ill-health and five of the attendants who followed him died. In the *Central Circle*, parts of *Cuddapah* and the *Coast and Sriharikota* ranges in *Nellore* continued to be unhealthy. In *South Arcot*, the season was unhealthy in the *Tenmalais* and *Kurumba Goundan* hills and a Ranger died consequent on his prolonged stay in the former place. With the exception of the *Pachamalais*, *Trichinopoly* was healthy. In the *Southern Circle*, the health of the staff was good in *Madura* and *Tinnevely*, indifferent in *South Coimbatore* and bad in *Malabar* and *North Coimbatore*. The subordinates suffered from malarial fever in the ghât tracts of *South Canara*, and in the *Mudumalai* and *Segur* ranges in the *Nilgiris*. There were many deaths in *South Malabar* and the *Nilgiris*.

59. *Service books.*—These are reported to have been maintained and verified in all districts except *Anantapur* and *South Arcot*. In *Salem* the arrears, referred to in the last year's review, were worked off. In *Anantapur*, the Conservator remarks that they were neither up to date nor properly verified. In *South Arcot*, the verification is reported to be not up to date, while in *South Coimbatore* some books are still to be verified. No information is furnished in the report from *Kistna*.

60. *Inventory of valuable stock.*—Stock registers are reported to have been maintained and verified in all districts except *Anantapur* "in which" the Conservator remarks, "the registers are not properly maintained and brought up to date." In *Nellore* and *North Arcot* the registers are reported to be under revision.

61. *Elephants.*—The elephant in *Vizagapatam* was more healthy and able to do hard work. The two elephants in *Kurnool* were keeping good health; the female is reported to be very useful, while the tusker was troublesome. The health of the three elephants in *South Canara* was good. Elephant-capturing operations were carried out in *South Coimbatore* and *North* and *South Malabar* and the number of animals captured was 3, 7 and 3, respectively. Of these, one died in *North Malabar* and two in *South Coimbatore*. Five elephants were sent to *South Coimbatore* from *North Malabar* where one male calf was born. In *South Coimbatore* three trained elephants died. The number of animals at the close of the year was 61 against 53 of the previous year. The report of the Superintendent of the Veterinary Department referred to in the last year's report is still under consideration.

62. *Rain-gauges.*—Readings are reported to have been properly recorded in all the districts, except *Kistna* in the *Northern Circle*, *North Arcot*, *South Arcot* and *Tanjore* in the *Central Circle*, and the *Nilgiris* in the *Southern Circle*. Three new stations in *Bellary* and one in *North Arcot* were opened during the year. The results of the readings in *North Arcot* and *South Arcot* are reported to be unreliable.

63. *The Saw-mill at Mount Stuart.*—The number of logs converted during the year was 376 of 16,507 cubic feet against 261 of 11,320 cubic feet in the previous year. A disastrous flood occurred in the *Tunakadavu* river in November 1901 and there were several breaches in the supply channel to the mill. A considerable portion of the river-bank in front of the mill and several bridges on the tram line were washed away. Consequent on this, several repairs and additional works were carried out at a heavy cost.

64. *The Wire rope-way at Mount Stuart.*—The aggregate number of loads sent down from *Anamalais* by this means of transport was 395 of 9,316 cubic feet against 492 of 1,092 cubic feet in the last year. There was a saving of $6\frac{1}{2}$ pies per cubic foot as compared with the road transport.

65. *Iron industry in Salem.*—During the year a prospecting license was issued to Messrs. Best & Co. for a period of three years to explore for iron in the *Kanjamalai* reserved forest.

66. *Mica, &c.*—Out of 63 mines that were in force in the *Nellore* district at the beginning of the year, 31 were either relinquished or cancelled and 12 new ones were sanctioned, thus leaving the sanctioned number of mines at 44 at the close of the year. Seven out of ten sanctioned mines in patta lands were relinquished and two new mines were sanctioned during the year. Eleven mines in shrotriem lands and one in zamindari land are reported to have been working. The number of mines that were actually working, out of 44 sanctioned in Government lands, was only 23, and steps are being taken to cancel the leases of the non-workable mines. The total quantity of mica consigned from the *Nellore* district was 398,187 lb. against 1,079,516 lb. in the preceding year and the royalty due thereon was Rs. 21,961 against Rs. 40,139 in the previous year. The short consignment during the year is reported to be due to (1) the absence of demand for flimsy mica, (2) depression in the prices of mica in London markets and (3) the failure by a prominent mine-owner to work the mines owing to an injunction order of the High Court. The industry is reported not to be flourishing as the mines are said to be poorer. The mining rules were revised and the deposit system was abolished. There were no cases of fatal accident during the year.

In *Gódávári*, Rs. 1,040 were realized as royalty on plumbago removed from the mines in the Rékapalli reserve.

In *Salem*, two prospecting licensees were issued for gold in Kupputtu and Kurambapatti reserves.

67. *Forest Museum.*—The museum at Coimbatore in the Southern Circle comprises a large collection of forest products and considerable progress was made during the year. His Excellency the Governor visited it in April 1902 and it is open to the public for a couple of hours daily. A proposal to establish a training school for Deputy Rangers, foresters and forest guards, to which the museum would form a useful adjunct, was made by the Conservator, Southern Circle, at the close of the year and is under consideration.

68. *Work and services of superior officers—Northern Circle.*—Mr. Porter, the Acting Conservator, has submitted a note recorded by Mr. Brasier on the work of superior officers. "All the District Forest-officers worked well during the year. Special mention may, however, be made of the work of the following:—Mr. Battie in Kurnool, although only supported by a mediocre subordinate staff, succeeded in working the fuel contracts with the Southern Mahratta Railway without a hitch and generally conducted the forest operations of his district with his usual tact and ability. Mr. Wood in Gódávári worked with his usual zeal and intelligence and succeeded in largely augmenting the forest revenue of the district by careful check over the work of his subordinates. Mr. Cox in Vizagapatam supplied a considerable quantity of lighting wood to the railway and by his close personal attention to details made the operation a success sylviculturally and financially. The gross and net revenue of the district showed a considerable increase over that of the previous year. Mr. Cowley-Brown, the Working-plans officer, was on leave owing to severe illness in connection with his work during about five months of the year. While on duty he worked entirely to the Conservator's satisfaction, but fever prevented his finishing as much work as he otherwise might have done."

Central Circle.—Mr. Hooper, the Conservator, says:—The Circle was controlled until the end of April 1902 by Mr. H. J. A. Porter, Acting Conservator, who has not left on record his opinions of the officers and the way they worked during his term of office. In the short period Mr. Hooper held charge he had no time to form an opinion on the way each officer was conducting his work. Collectors were, however, specially invited to record their opinion on their Forest Assistants and they have done so as follows except in the case of the Collectors of Cuddapah and Nellore; the former makes no remark and the latter says he has none to make.

"Mr. C. J. Woutersz, Extra Assistant Conservator, 1st grade (District Forest-officer, Chingleput), is full of zeal and energy, but has nevertheless largely reduced the number of prosecutions and substituted prevention for punishment. I consider that his administration has been very satisfactory."

North Arcot.—"My District Forest-officer (Mr. C. D. P. Thornton, Deputy Conservator, 3rd grade), is very keen on his work and always ready to make concessions to the ryots in such individual cases as are brought to his notice. I believe the large increase in the number of forest offences charged — a symptom which causes me some disquiet — to be largely due to the tightening of the reins of official discipline by the present District Forest-officer. While the stricter requirements of the District Forest-officer are praiseworthy, such requirements must be accompanied by a much stricter supervision by the District Forest-officer and his Rangers. To hold for instance the number of cases charged or even convicted as a test of efficiency (I only put a supposititious case) is very dangerous unless very close *local* supervision (as opposed to office control) is exercised by Rangers and District Forest-officer."

South Arcot.—"The Forest Administration of the district may be said to have been fairly satisfactory on the whole during the period under report. Both officers (Messrs. T. P. Peake, Deputy Conservator, 1st grade and C. M. Maduranayagam Pillai, Extra Assistant Conservator, 2nd grade) evinced much interest in that portion of their work coming under the Collector's notice."

Trichinopoly.—"I have found him (Mr. F. A. Seager, Extra Assistant Conservator, 1st grade), a willing hard-working officer, but he needs to be far stricter with his office and his Range officers."

Salem.—"Messrs. F. Lodge, Deputy Conservator, 2nd grade, and Rama Rao, Extra Assistant Conservator, 2nd grade, have both worked indefatigably in an exceptionally heavy district and I consider there has been some improvement in the Forest Administration during the year."

Southern Circle.—Mr. H. A. Gass, the Conservator, says—

"Mr. G. Hadfield has kept going satisfactorily in the *Nilgiris*.

"Mr. A. W. Lushington of *North Coimbatore* and Mr. H. A. Latham of *South Canara* are painstaking officers and indefatigable in inspection. Both have worked zealously and well. The former has a considerable knowledge of Botany, which is of much value.

"Mr. P. M. Lushington's work in *Tinnevelly* has been most praiseworthy. In addition to his ordinary duties he has prepared a number of working-plans and he has been worried with difficult cases which he has worked up creditably.

"Mr. A. P. Grenfell arrived only in January. He has since done useful work in Nilambur in the preparation of the supplement to the working-plan and in starting the soil maps which are so much required. His health is indifferent.

"Mr. A. B. Jackson's touring and inspection in *South Coimbatore* have not been so satisfactory as usual and he has left important works far too much in the hands of Range officers. He has been hampered by ill-health, both of himself and in his family.

"Mr. G. F. F. Foulkes spent much time in camp and he has completed a lot of work during the year.

"Mr. H. B. Bryant was in charge of *Madura* for about half the year and he has thrown himself into his work with great zeal. He wishes to go ahead rather more quickly than is convenient.

"Mr. H. Tireman carried on the work of *North Malabar* satisfactorily, and he was for a time in charge of *South Malabar* also.

"Mr. R. D. Richmond arrived in December and is a promising junior.

"Extra Assistant Conservators Mr. H. O'Neill and Mr. E. C. M. Mascuren has are reported to have worked well.

In regard to subordinates also Mr. Gass states—

"Forest Ranger Mr. A. G. Van Hæften did good work first in charge of the *South Malabar* district and subsequently of his range. He has been especially helpful in collecting good specimens for the forest museum.

As *Salem* was found too heavy a district for one officer to supervise, it was split up into two Forest charges from 1st April 1902 and an officer of the Provincial staff was placed in charge of the minor division.

Mr. A. W. C. Stanbrough (Deputy Conservator of Forests) and Mr. W. Carroll (Extra Assistant Conservator of Forests) retired from service, the former from 16th December 1901 and the latter from 16th September 1901.

APPENDICES.

ANNUAL FORM No. 44.

Forest Department, Madras Presidency.

AREA of reserved forests and reserved lands during 1901-1902.

Districts.	Area of reserved forests.				Area of reserved lands.				Total area of reserved forests and reserved lands.		
	Area on 1st July 1901.		Added during the year.		Area on 30th June 1902.		Area on 1st July 1901.			Added during the year.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.		Acres.	Acres.
<i>Northern Circle.</i>											
Tanjám ..	320,929	502	22,863	505	343,287	536	24,586	39	1,200	24,586	538
Vazagapatam ..	143,565	224	13,431	..	156,996	245	77,019	120	125	13,431	344
Giddavari ..	608,370	961	..	..	608,370	951	875	1	47,955	..	1,027
Katna ..	586,902	839	51,852	..	588,754	920	146,377	229	2,005	60,593	1,059
Kurnool ..	1,428,834	2,232	40,976	10	1,469,800	2,296	344,579	539	18,159	102,510	2,703
Bellary ..	348,844	545	10,146	148	358,842	561	55,276	86	311	7,599	636
Anantapur ..	* 324,428	507	450	..	324,878	508	1,661	2	..	450	510
Total ..	3,711,872	5,800	139,718	663	3,850,927	6,017	650,373	1,016	70,655	209,169	6,817
<i>Central Circle.</i>											
Cuddapah ..	1,362,914	2,129	39,543	..	1,402,457	2,191	197,288	308	..	70,819	2,389
Nellore ..	446,544	698	16,180	163	462,561	725	43,888	68	928	20,416	761
Chingleput ..	* 136,306	213	482	..	136,788	214	531	1	..	531	214
North Arcot ..	765,466	1,196	50,998	..	810,416	1,266	24,160	38	..	5,498	1,295
South Arcot ..	443,369	693	10,616	30,955	423,030	661	7,859	12	254	6,480	664
Salem ..	846,499	1,323	101,650	7,165	940,984	1,470	165,030	258	2,759	52,557	1,650
Trichinopoly ..	169,065	264	2,833	..	171,898	269	33,530	52	..	3,244	316
Tanjore ..	11,519	18	944	68	12,395	19	..	..	..	..	19
Total ..	4,181,682	6,584	223,246	44,399	4,360,529	6,813	472,286	737	3,941	159,545	7,308
<i>Southern Circle.</i>											
South Canara ..	414,055	647	10,063	643	423,475	662	233,315	443	20	18,984	1,075
Malabar, North ..	128,559	201	19,019	..	147,578	231	28,396	46	..	26,926	235
Do. South ..	142,856	223	..	3,017	139,839	218	30,510	48	..	..	266
The Nilgiris ..	254,073	397	2,916	56	256,933	401	* 64,794	101	20	2,918	498
Coimbatore, North ..	708,959	1,108	..	..	709,940	1,109	346,934	542	6	1,014	1,649
Do. South ..	420,271	657	3,385	..	423,657	662	370	1	..	370	662
Madura ..	382,733	598	8,236	927	390,042	610	* 8,472	13	5,850	8,236	620
Tinnevelly ..	* 271,407	424	5,579	1,240	275,746	431	3,179	5	281	..	486
Total ..	2,722,913	4,255	50,180	5,883	2,767,210	4,324	766,970	1,199	6,187	58,448	5,441
Grand Total ..	10,616,467	16,589	413,144	50,945	10,978,666	17,154	1,889,629	2,952	80,783	427,162	19,566

* The figures now given are correct.



ANNUAL FORM No. 44.

District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Reserved forests.								
Ganjam.	Darpangia Extensions Nos. I and II.	..	..	1,182	..	1,182	..	No. 14, dated 26th December 1901.
	Chandragiri enclosure .. ..	..	..	81	..	81	..	No. 323, dated 27th June 1901.
	Kriyamba .. .. .	..	..	21,600	..	21,600	..	No. 65, dated 4th February 1902.
	Area notified in previous years ..	320,929	..	..	(d) 505	320,424	..	
	Total ..	320,929	502	22,863	505	343,287	536	
Reserved lands not transferred to reserved forests during the year.								
	Area notified in previous years..	1,723	3	1,200	(b) 1,723	1,200	2	
Reserved forests.								
Vizagapatam.	Barnakonda' .. .. .	..	..	13,431	..	13,431	..	No. 219, dated 1st May 1901.
	Area notified in previous years..	143,565	..	..	..	143,565	..	
	Total ..	143,565	224	13,431	..	156,996	245	
Reserved lands not transferred to reserved forests during the year.								
	Donabhai .. .. .	..	..	125	..	125	..	No. 1452, dated 23rd November 1901.
	Sarugudu Block Nos. III and IV.	1,740	..	..	..	1,740	..	No. 1354, dated 6th August 1901.
	Area notified in previous years ..	61,848	..	..	..	61,848	..	
	Total ..	63,588	99	125	..	63,713	99	
Reserved forests.								
	Area notified in previous years..	608,370	951	..	..	608,370	951	
Reserved lands not transferred to reserved forests during the year.								
	Coringa extension .. ..	..	..	47,955	..	47,955	..	No. 444, dated 15th November 1901.
	Area notified in previous years..	875	..	..	..	875	..	
	Total ..	875	1	47,955	..	48,830	76	
Reserved forests.								
Kistna..	Bunder Fort Extension No. III.	..	..	2,270	..	2,270	..	No. 100, dated 1st March 1902.
	Do. do. ,, IV.	..	..	12,820	..	12,820	..	No. 12, dated 26th December 1901.
	Chirala .. .. .	..	..	634	..	634	..	No. 114, dated 3rd March 1902.
	Ganjam .. .. .	..	..	3,804	..	3,804	..	No. 30, dated 11th January 1902.
	Nilayapalem .. .. .	..	..	2,353	..	2,353	..	No. 289, dated 5th June 1901.
	Kadavakuduru .. .. .	..	..	1,276	..	1,276	..	No. 397, dated 20th September 1901.
	Dindi Extension No. 1 .. ..	..	..	330	..	330	..	No. 422, dated 25th October 1901.
	Motupalli .. .. .	..	..	658	..	658	..	No. 78, dated 17th February 1902.
	Kothur Extension No. 1 .. ..	..	..	600	..	600	..	No. 241, dated 17th May 1901.
	Do. No. 3 .. .. .	..	..	218	..	218	..	No. 455, dated 16th November 1901.
	Venkatayapalem Extension No. 9	..	..	422	..	422	..	No. 486, dated 10th December 1901.

(b) Excluded at settlement.

(d) Disafforested.

FOREST DEPARTMENT.

iii

District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Added.	Acres.	Acres.	Equivalent in square miles.	
Reserved forests—cont.								
Kistna— cont.	Venkatayapalem Extension XI..	..	..	326	..	326	..	No. 295, dated 24th May 1901.
	Mukteswaram .. .. .	..	..	680	..	680	..	No. 114, dated 3rd March 1902.
	Nagarazupalli block II ..	..	..	740	..	740	..	No. 99, dated 25th February 1902.
	Kukutlapalli blocks I and II ..	..	..	1,059	..	1,059	..	No. 62, dated 10th February 1902.
	Guttikonda Extension 10 ..	..	..	2,515	..	2,515	..	No. 274, dated 24th May 1901.
	Kandlagunta Extension 2 ..	..	..	1,366	..	1,366	..	No. 237, dated 17th May 1901.
	Gangalakunta Extension 1 ..	..	..	1,437	..	1,437	..	No. 339, dated 25th July 1901.
	Daida .. .. .	..	..	2,860	..	2,860	..	No. 269, dated 30th May 1901.
	Kandlakunta Extension I ..	..	..	14,600	..	14,600	..	No. 101, dated 25th February 1902.
	Paluvaya .. .. .	..	..	* 884	..	884	..	No. 88, dated 21st February 1902.
	Area notified in previous years ..	536,902	..	..	..	536,902	..	....
	Total ..	536,902	839	51,852	..	588,754	920	
Reserved lands not transferred to reserved forests during the year.								
	Manipeda	1,756	..	..	655	1,101	..	No. 469, dated 3rd December 1901.
	Kanur	1,914	..	..	247	1,667	..	No. 321, dated 27th June 1901.
	Interu	3,840	..	575	..	4,415	..	No. 321, dated 27th June 1901.
	Romperu I and II	2,220	..	2,330	..	4,550	..	No. 456, dated 23rd November 1901.
	Area notified in previous years ..	84,909	..	..	(b) 7,123 (c) 830	76,956	..	
	Total ..	94,639	148	2,905	8,855	88,689	139	
Reserved forests.								
	Eastern Nallamalai block IV ..	..	..	28,115	..	28,115	..	No. 348, dated 1st August 1901.
	Do. do. V .. .. .	..	..	8,785	..	8,785	..	No. 9, dated 26th December 1901.
	Oddapalli .. .. .	..	..	1,313	..	1,313	..	No. 87, dated 21st February 1902.
	Nallamekalapalli .. ..	..	..	683	..	683	..	No. 92, dated 21st February 1902.
	Mettupalli .. .. .	..	..	2,080	..	2,080	..	No. 158, dated 2nd April 1902.
	Area notified in previous years ..	1,428,834	..	..	(d) 10	1,428,824	..	
	Total ..	1,428,834	2,232	40,976	10	1,469,800	2,296	
Reserved lands not transferred to reserved forests during the year.								
Kurnool.	Sirvel addition No. 7	3,019	..	..	..	3,019	..	No. 324, dated 27th June 1901.
	Yadavada	1,400	..	..	..	1,400	..	No. 324, dated 27th June 1901.
	Owk	33,483	..	..	..	33,483	..	No. 405, dated 28th September 1901.
	Eastern Nallamalai block XIV.	..	..	4,356	..	4,356	..	No. 436, dated 5th November 1901.
	Eddupenta	2,300	..	559	..	1,575	..	No. 7, dated 2nd January 1902.
	Kottaburuza .. .. .		..		..	1,284	..	
	Southern Veligonda extension ..	6,783	..	..	..	6,783	..	No. 26, dated 9th January 1902.
	Northern do. do. ..	12,850	..	156	..	13,006	..	
	Eastern Nallamalai No. VI A ..	5,256	..	4,150	..	5,131	..	No. 137, dated 19th March 1902.
	Do. " B ..		..		..	2,461	..	
	Do. " C ..		..		..	1,814	..	
	Eastern Nallamalai No. VII ..	2,619	..	..	..	2,619	..	
	Do. " X ..	5,266	..	..	..	5,266	..	

* Includes 114 acres added during the year by revised estimate.

(b) Excluded at Settlement.

(c) Abandoned.

(d) Disafforested.

District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Reserved lands not transferred to reserved forests during the year—cont.								
Kurnool —cont.	Jaladurgam Extension 3 ..	48	..	32	..	80	..	No. 159, dated 2nd April 1902.
	Do. do. 1 ..	4,200	..	..	..	4,200	..	No. 230, dated 22nd May 1902.
	Pattikonda	4,304	..	..	..	4,304	..	Do.
	Area notified in previous years..	222,075	..	8,906	{ (b) 6,710 (c) 54,824 }	169,447	..	
	Total ..	303,603	474	18,159	61,534	260,228	407	
Reserved forests.								
Bellary.	Hirehalu .. ..	..	..	2,674	..	2,674	..	No. 391, dated 10th September 1901.
	Bondinakallu .. ..	..	..	2,274	..	2,274	..	No. 90, dated 21st February 1902.
	Bandri Extension .. ..	..	..	446	..	446	..	No. 308, dated 11th June 1901.
	Chikkantapuram .. ..	..	..	* 1,757	..	1,757	..	No. 398, dated 24th September 1901.
	Area notified in previous years ..	348,844	..	(a) 2,995	(a) 148	351,691	..	
	Total ..	348,844	545	10,146	148	358,842	561	
Reserved lands not transferred to reserved forests during the year.								
	Haladahalli A and B .. ..	..	..	259	..	259	..	No. 390, dated 14th September 1901.
	Mundrigi .. ..	..	..	52	..	52	..	Do.
	Area notified in previous years..	48,136	..	..	(b) 459	47,677	..	
	Total ..	48,136	75	311	459	47,988	75	
Reserved forests.								
Ananta- pur.	Kaki .. ..	..	..	450	..	450	..	No. 468, dated 3rd December 1901.
	Area notified in previous years..	324,428	..	..	..	324,428	..	
	Total ..	324,428	507	450	..	324,878	508	
Reserved lands not transferred to reserved forests during the year.								
	Area notified in previous years..	1,211	2	..	..	1,211	2	
Reserved forests.								
Cudda- pah.	Kodur tope .. ..	..	..	53	..	53	..	No. 246, dated 17th May 1901.
	Gundlur tope .. ..	..	..	37	..	37	..	
	Sidhout tope .. ..	..	..	8	..	8	..	No. 294, dated 5th June 1901.
	Venkatapuram tope .. ..	..	..	15	..	15	..	
	Obuladevaracheruvu tope .. ..	..	..	13	..	13	..	No. 387, dated 6th September 1901.
	Gundlabhavi tope .. ..	..	..	12	..	12	..	
	Chintagunta tope .. ..	..	..	25	..	25	..	No. 413, dated 5th October 1901.
	Palkonda Extension A .. ..	..	..	9,916	..	9,916	..	
	Do. do. B .. ..	..	..	1,195	..	1,195	..	No. 451, dated 18th November 1901.
	Do. do. C .. ..	..	..	16,596	..	16,596	..	
	Do. do. D .. ..	..	..	1,745	..	1,745	..	
	Do. do. E .. ..	..	..	280	..	280	..	No. 17, dated 16th December 1901.
	Guvvalacheruvu tope .. ..	..	..	13	..	13	..	
	Pottipad tope .. ..	..	..	112	..	112	..	No. 91, dated 21st February 1902.
	Gadikota Extension .. ..	..	..	9,523	..	9,523	..	
	Area notified in previous years..	1,362,914	..	..	..	1,362,914	..	No. 127, dated 11th March 1902.
Total ..	1,362,914	2,129	39,543	..	1,402,457	2,191		
Reserved lands not transferred to reserved forests during the year.								
	Area notified in previous years ..	157,745	246	..	{ (b) 4,484 (c) 26,792 }	126,469	198	

(a) Rectification

(b) Excluded at settlement.

(c) Abandoned.

* Includes 11 acres added by revised estimate during the year.

FOREST DEPARTMENT.

V

District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Reserved forests.								
Nellore.	Pedda Irlapad .. .. .	..	..	3,900	..	3,900	..	No. 18, dated 4th January 1902.
	Inimerla .. .. .	..	..	3,800	..	3,800	..	No. 156, dated 1st April 1902.
	Vidavalur tope .. .. .	..	..	176	..	176	..	No. 11, dated 26th December 1901.
	Timmasamudram tope .. .. .	..	..	73	..	73	..	No. 113, dated 4th March 1902.
	Marupur extension .. .. .	..	..	500	..	500	..	No. 349, dated 1st August 1901.
	Vadlapudi extension .. .. .	..	..	200	..	200	..	No. 352, dated 6th August 1901.
	Biradavolu extension .. .. .	..	..	396	..	396	..	No. 66, dated 1st February 1902.
	Sarvepalli extension .. .. .	..	..	990	..	990	..	No. 16, dated 16th December 1901.
	Devaravemur A and B topes .. .. .	..	..	137	..	137	..	No. 4, dated 4th January 1902.
	Guvvadi east .. .. .	..	..	1,490	..	1,490	..	No. 307, dated 11th June 1901.
	Do. west .. .. .	..	..	1,663	..	1,663	..	No. 327, dated 3rd July 1901.
	Bhairavaram .. .. .	..	..	1,790	..	1,790	..	No. 362, dated 17th August 1901.
	Thotacheruvupalli .. .. .	..	..	1,065	..	1,065	..	No. 115, dated 6th March 1902.
	Area notified in previous years ..	446,544	..	..	(c) 163	446,381	..	....
Total ..	446,544	698	16,180	163	462,561	723		
Reserved lands not transferred to reserved forests during the year.								
Chingleput.	Kottapatam casuarina plantation extension.	..	..	160	..	160	..	No. 29, dated 11th January 1902.
	Utukur Varini block C extensions A and B.	..	..	485	..	485	..	No. 54, dated 27th January 1902.
	Lebur topes .. .. .	..	..	283	..	283	..	No. 138, dated 17th March 1902.
	Area notified in previous years ..	27,708	..	..	(b) 4,236	23,472	..	....
	Total ..	27,708	43	928	4,236	24,400	38	
Reserved forests.								
Chingleput.	Kattur extension 2 .. .. .	..	..	170	..	170	..	No. 164, dated 7th April 1902.
	Nemali extension 2 .. .. .	..	..	312	..	312	..	No. 27, dated 11th January 1902.
	Area notified in previous years ..	136,306	..	..	..	136,306	..	....
Total ..	136,306	213	482	..	136,788	214		
Reserved lands not transferred to reserved forests—Nil.								
Reserved forests.								
North Arcot.	Thotakanama .. .. .	..	..	4,710	..	4,710	..	No. 69, dated 1st February 1902.
	Area notified in previous years ..	765,496	..	(a) 46,258	(a) 6,048	805,706	..	....
	Total ..	765,496	1,196	50,968	6,048	810,416	1,266	
Reserved lands not transferred to reserved forests during the year.								
Area notified in previous years ..		19,450	30	..	(b) 788	18,662	29	
Reserved forests.								
South Arcot.	Damarakadu .. .. .	..	..	6,134	..	6,134	..	No. 407, dated 27th September 1901.
	Area notified in previous years ..	443,369	..	(a) 4,482	(a) 30,955	416,896	..	....
	Total ..	443,369	693	10,616	30,955	423,030	661	
Reserved lands not transferred to reserved forests during the year.								
Area notified in previous years.		1,979	3	..	(b) 346	1,633	3	

(a) Revised estimate.

(b) Excluded at settlement.

(c) Disafforested.

* 254 acres added by rectification during the year and transferred to reserved forest during the same year.

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District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or transfer
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Reserved forests.								
Salem ..	Konur .. .. .	..	..	2,410	..	2,410	..	No. 267, dated 30th May 1901.
	Shelur .. .. .	..	..	18,200	..	18,200	..	No. 353, dated 6th August 1901.
	Veppampatti Extension .. ..	..	..	4,602	..	4,602	..	No. 322, dated 27th June 1901.
	Kalnad Extension .. ..	..	..	1,440	..	1,440	..	No. 272, dated 24th May 1901.
	Nochikuttai Extension .. ..	..	..	4,064	..	4,064	..	No. 273, dated 24th May 1901.
	Pani .. .. .	..	..	17,761	..	17,761	..	No. 290, dated 24th May 1901.
	Kallavi .. .. .	..	..	4,080	..	4,080	..	No. 347, dated 1st August 1901.
	Area notified in previous years ..	846,499	..	(a) 49,093	(a) 7,165	888,427	..	
	Total ..	846,499	1,323	101,650	7,165	940,984	1,470	
Reserved lands not transferred to reserved forests during the year.								
Salem ..	Nagur Extension .. .. .	..	..	2,759	..	2,759	..	No. 6, dated 3rd January 1902.
	Area notified in previous years..	112,473	..	..	..	112,473	..	
	Total ..	112,473	176	2,759	..	115,232	180	
Reserved forests.								
Trichi-nopoly.	T. Kanappadi Extension .. ..	..	..	172	..	172	..	No. 326, dated 2nd July 1901.
	Pulivalam .. .. .	..	..	863	..	863	..	No. 13, dated 26th December 1901.
	Mavilippatti .. .. .	..	..	1,798	..	1,798	..	No. 157, dated 1st April 1902.
	Area notified in previous years ..	169,065	..	..	..	169,065	..	
	Total ..	169,065	264	2,833	..	171,898	269	
Reserved lands not transferred to reserved forests during the year.								
Trichi-nopoly.	Shenmalai Extension	308	..	..	(c) 308	..	..	No. 487, dated 7th December 1901.
	Area notified in previous years..	30,389	..	..	(b) 103	30,286	..	
	Total ..	30,697	48	..	411	30,286	47	
Reserved forests.								
Tanjore ..	Area notified in previous years..	11,519	18	944	68	12,335	19	
Reserved lands not transferred to reserved forests during the year—Nil.								
Reserved forests.								
South Canara.	Someshwar Extension .. ..	..	..	1	..	1	..	No. 239, dated 17th May 1901.
	Nire .. .. .	..	..	666	..	666	..	No. 406, dated 26th September 1901.
	Kombar .. .. .	..	..	9,396	..	9,396	..	No. 408, dated 28th September 1901.
	Area notified in previous years ..	414,055	..	..	(f) 643	413,412	..	
	Total ..	414,055	647	10,063	643	423,475	662	
	Reserved lands not transferred to reserved forests during the year.							
	Dondalarabi	976	..	..	..	976	..	No. 8, dated 26th December 1901.
South Canara.	Vorwadi	856	..	..	..	856	..	No. 136, dated 17th March 1902.
	Kunthur Extension .. ..	..	..	20	..	20	..	No. 208, dated 12th May 1902.
	Mandekole	7,632	..	..	..	7,632	..	No. 217, dated 28th May 1902.
	Area notified in previous years..	263,788	..	..	(a) 4,246 (b) 57 (c) 4,618	254,867	..	
	Total ..	273,252	427	20	8,921	264,351	413	

(a) Revised estimate.

(b) Excluded at settlement.
(f) Ordered to be excluded by the High Court.

(c) Abandoned.

FOREST DEPARTMENT.

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District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or exclusion.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
North Malabar.	Reserved forests.							
	Kanoth .. .. .	..	..	19,019	..	19,019	..	No. 168, dated 14th March 1901, and No. 243, dated 17th May 1901.
	Area notified in previous years ..	128,559	..	..	..	128,559	..	
	Total ..	128,559	201	19,019	..	147,578	231	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	10,377	16	..	(b) 6,581 (c) 1,326	2,470	4	
South Malabar.	Reserved forests.							
	Area notified in previous years ..	142,856	223	..	* 3,017	139,839	218	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	30,510	48	..	..	30,510	48	
The Nilgiris.	Reserved forests.							
	Sandy Nullah reserve No. 2 ..	..	..	132	..	132	..	No. 198, dated 26th April 1901. Do.
	Red hill No. I .. .. .	..	..	222	..	222	..	
	Addition to Dodabetta No. I ..	..	..	17	..	17	..	No. 355, dated 6th August 1901.
	Adichathadashola .. .. .	..	..	18	..	18	..	No. 3, dated 26th December 1901.
	Addition to Cairnhill .. .. .	..	..	12	..	12	..	No. 41, dated 15th January 1902.
	Extension to Cairnhill addition.	..	..	1	..	1	..	No. 128, dated 14th March 1902.
	Kamari .. .. .	..	..	51	..	51	..	No. 221, dated 1st May 1901.
	Pillura shola addition .. .. .	..	..	16	..	16	..	
	Bear Hill No. II .. .. .	..	..	18	..	18	..	
	Gundorai addition .. .. .	..	..	22	..	22	..	No. 437, dated 5th November 1901.
	Attimara .. .. .	..	..	11	..	11	..	
	Athi garhatti shola addition No. II.	..	..	104	..	104	..	
	Bettatti .. .. .	..	..	8	..	8	..	No. 435, dated 8th November 1901.
	Vulibettu addition .. .. .	..	..	35	..	35	..	
	Kilingadi .. .. .	..	..	3	..	3	..	
	Rallia reserve addition No. II	..	..	3	..	3	..	No. 483, dated 12th December 1901.
	Udaiyari .. .. .	..	..	37	..	37	..	
	Gudakalhalla reserve addition No. I.	..	..	40	..	40	..	
	Gudakalhalla addition No. II ..	..	..	70	..	70	..	No. 19, dated 26th December 1901.
	Warwick No. I .. .. .	..	..	80	..	80	..	
	Do. No. II .. .. .	..	..	5	..	5	..	
	Nirmugihalla .. .. .	..	..	17	..	17	..	No. 89, dated 21st February 1902.
	Banahada .. .. .	..	..	5	..	5	..	
	Mulliseppe .. .. .	..	..	7	..	7	..	
	Sandalwood block .. .. .	..	..	14	..	14	..	No. 292, dated 4th May 1901.
	Barangadi .. .. .	..	..	7	..	7	..	
	Cherambadi addition .. .. .	..	..	1,961	(a) 54	1,961	..	
	Area notified in previous years..	254,073	..	..	(d) 2	254,017	..	
	Total ..	254,073	397	2,916	56	256,933	401	
	Reserved lands not transferred to reserved forests during the year.							
	Cherambadi addition .. .. .	..	..	20	..	20	..	No. 450, dated 20th November 1901.
	Area notified in previous years..	61,878	..	..	(c) 2	61,876	..	
	Total ..	61,878	97	20	2	61,896	97	
North Coimbatore.	Reserved forests.							
	Akkur jorai .. .. .	..	..	948	..	948	..	No. 166, dated 8th April 1902.
	Dodda Induvadi A and B .. .. .	..	..	33	..	33	..	
	Area notified in previous years ..	708,959	..	..	..	708,959	..	No. 386, dated 6th September 1901.
	Total ..	708,959	1,108	981	..	709,940	1,109	

(a) Revised estimate.
(d) Disafforested.

(b) Excluded at settlement.

(c) Abandoned.

* Area of the Walayar reserve transferred to South Coimbatore.

District.	Name of forest.	Area on 1st July 1901.		Added during the year.	Excluded.	Area on 30th June 1902.		Number and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.	
<i>Reserved lands not transferred to reserved forests during the year.</i>								
North Coimbatore—cont.	Ennamangalam	10,240	..	..	..	10,240	..	} No. 206, dated 21st May 1902. No. 163, dated 7th April 1902.
	Nagalur	1,120	..	..	..	1,120	..	
	Vellamundi extension .. .. .	..	..	6	..	6	..	
	Sirganhalli sandalwood plantation.	33	..	..	(b) 33	..	..
	Area notified in previous years ..	334,560	..	..	..	334,560	..	
	Total ..	345,953	540	6	33	345,926	540	
<i>Reserved forests.</i>								
South Coimbatore.	Walayar reserve .. .. .	..	..	3,017	..	3,017	..	Transferred from the South Malabar Division. Board's Proceedings, No. 21, dated 14th April 1902. No. 385, dated 2nd September 1901. No. 28, dated 11th January 1902.
	Mary or Andiparai Estate .. .. .	..	..	303	..	303	..	
	Avanashi Palmyra tope .. .. .	..	..	66	..	66	..	
	Area notified in previous years ..	420,271	..	..	..	420,271	..	
	Total ..	420,271	657	3,386	..	423,657	662	
<i>Reserved lands not transferred to reserved forests during the year—Nil.</i>								
<i>Reserved forests.</i>								
Madura.	Kadavumalai .. .. .	..	..	1,236	..	1,236	..	No. 438, dated 8th November 1901. No. 453, dated 18th November 1901.
	Thoppaswamimalai .. .. .	..	..	7,000	..	7,000	..	
	Area notified in previous years ..	382,733	..	..	(c) 927	381,806	..	
	Total ..	382,733	598	8,236	927	390,042	610	
<i>Reserved lands not transferred to reserved forests during the year.</i>								
	Gundar Valley extension .. .. .	..	..	5,860	..	5,860	..	No. 467, dated 2nd December 1901.
	Area notified in previous years.	236	..	..	..	236	..	
	Total ..	236	..	5,860	..	6,096	10	
<i>Reserved forests.</i>								
Tinnevely.	Area notified in previous years. |	271,407 |	424 |	(a) 5,579 |	(a) 1,240 |	275,746 |	431	No. 190, dated 7th May 1902.
	Naranapuram .. .. .	..	..	281	..	281	..	
	Area notified in previous years.	3,179	..	..	..	3,179	..	
	Total ..	3,179	5	281	..	3,460	5	

(a) Revised estimate.
(b) Abandoned.
(c) Disafforested.

APPENDIX A.—District areas and Forest reserves.

Districts.	Total dis- trict area including feudatory and tribu- tary states.	Area excluding zamindari, whole and inam villages and minor inams in ryotwari tracts.	Occupied area.	Particulars of remaining area (column 3 — column 4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				Unoccupied, cultivable, and forest areas.	Areas for which returns are not avail- able.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves, columns 8 and 9.		
1	2	3	4	5	6	7	8	9	10	11	12
<i>Northern Circle.</i>											
Ganjām	SQ. MLS. 8,369	SQ. MLS. 4,437	SQ. MLS. 624	SQ. MLS. 1,123	SQ. MLS. 2,684	SQ. MLS. 3,813	SQ. MLS. 536	SQ. MLS. 2	SQ. MLS. 538	12-13	14-11
Vizagapatam	17,242	1,380	269	512	599	1,111	245	99	344	24-93	20-96
Gōdāvari	(a) 7,972	(d) 3,897	1,603	2,281	13	2,294	951	76	1,027	26-35	44-77
Kistna	8,498	5,622	3,210	2,231	181	2,412	920	139	1,059	18-84	43-91
Kurnool	7,514	(b)(e) 6,586	2,097	4,489	..	4,489	2,296	407	2,703	41-04	60-21
Bellary	5,696	(b) 4,615	2,763	1,882	..	1,882	561	75	636	13-69	33-79
Anantapur	5,558	4,684	2,087	2,594	3	2,597	508	2	510	10-89	19-64
Total ..	60,849	31,251	12,653	15,118	3,480	18,598	6,017	800	6,817	21-81	36-65
<i>Central Circle.</i>											
Cuddapah	8,723	(b) 7,582	(f) 2,143	5,439	..	5,439	2,191	198	2,389	31-51	43-92
Nellore	8,765	4,077	1,750	2,315	12	2,327	723	38	761	18-67	32-70
Chingleput	3,092	2,051	1,031	1,010	10	1,020	214	..	214	10-43	20-98
North Arcot	7,365	3,912	1,356	2,551	5	2,556	1,266	29	1,295	33-10	50-67
South Arcot	5,216	4,746	2,453	2,218	75	2,293	661	3	664	13-99	28-96
Salem	7,529	5,389	2,169	3,220	..	3,220	1,470	180	1,650	30-62	51-24
Trichinopoly	3,631	2,686	1,673	1,000	13	1,013	269	47	316	11-76	31-19
Tanjore	3,706	2,487	1,783	689	15	704	19	..	19	00-76	2-70
Total ..	48,027	32,930	14,358	18,442	130	18,572	6,813	495	7,308	22-19	39-35
<i>Southern Circle.</i>											
South Canara	3,902	3,883	710	3,173	..	3,173	692	413	1,075	27-68	33-88
Malabar	5,630	5,602	1,517	4,085	..	4,085	449	52	501	8-94	12-36
The Nilgris	957	957	308	649	..	649	401	97	498	52-04	76-73
Coimbatore	7,860	7,176	3,888	3,288	..	3,288	1,771	540	2,311	32-20	70-29
Madura	8,813	3,247	1,696	1,551	..	1,551	610	10	620	19-09	39-97
Tinnerelly	5,389	3,567	2,299	1,263	5	1,268	431	5	436	12-22	34-33
Total ..	32,551	24,432	10,448	13,979	5	13,984	4,324	1,117	5,441	22-27	38-91
Grand Total ..	141,427	88,613	37,459	47,539	3,615	51,154	17,154	2,412	19,566	22-08	38-25

(a) Increase due to revised figures furnished by the Superintendent of Survey having been adopted.

(b) Area by village papers has been adopted, as it is in excess of survey area.

(c) The figures in column 3 are exclusive of the area of minor inams in Government villages.

(d) Decrease due to revision of area figures based on rough estimation of unsurveyed portions such as hills, rivers, &c.

(e) Decrease due to correction of error.

(f) Increase due to inam having reverted to Government.

APPENDIX B.—Reserved forests in square miles.

Districts.								Up to 1900-1901.	During 1900-1901.	During 1901-1902.	Total.
1								2	3	4	5
<i>Northern Circle.</i>								SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	..	..	..	..	..	..	..	488	12	(b) — 36 1	536
Vizagapatam	..	..	..	..	..	..	..	221	3	21	245
Gódavari	..	..	..	..	..	..	..	944	7	..	951
Kistna	..	..	..	..	..	..	..	803	36	81	920
Kurnool	..	..	..	..	..	..	..	2,075	(a) + 155 2	64	2,296
Bellary	..	..	..	..	..	..	..	523	22	(a) + 11 5	561
Anantapur	..	..	..	..	..	..	..	507	1	..	508
Total ..								5,561	239	217	6,017
<i>Central Circle.</i>											
Cuddapah	..	..	..	..	..	..	..	2,028	101	62	2,191
Nellore	..	..	..	..	..	..	..	667	31	25	723
Chingleput	..	..	..	..	..	..	..	210	3	1	214
North Arcot	..	..	..	..	..	..	..	1,183	13	(a) + 7 63	1,266
South Arcot	..	..	..	..	..	..	..	685	8	(a) — 9 41	661
Salem	..	..	..	..	..	..	..	1,257	(a) — 72 6	(a) + 82 65	1,470
Trichinopoly	..	..	..	..	..	..	..	240	24	5	269
Tanjore	..	..	..	..	..	..	..	18	..	(a) + 1	19
Total ..								6,288	246	279	6,813
<i>Southern Circle.</i>											
South Canara	..	..	..	..	..	..	..	497	150	(b) — 16 1	662
North Malabar	..	..	..	..	..	..	..	159	42	30	231
South Malabar	..	..	..	..	..	..	..	190	33	(a) — 5	218
The Nilgiris	..	..	..	..	..	..	..	389	8	4	401
North Coimbatore	..	..	..	..	..	..	..	1,106	2	1	1,109
South Coimbatore	..	..	..	..	..	..	..	657	..	5	662
Madura	..	..	..	..	..	..	..	597	1	(b) — 13 1	610
Tinnevely	..	..	..	..	..	..	..	418	6	(a) + 7	431
Total ..								4,013	242	69	4,324
Grand Total ..								15,862	727	565	17,154

(a) Revised estimate.

(b) Declared unreserved.

(c) Transferred to South Coimbatore.

Form No. 45.

STATEMENT showing the Progress made in, and the Expenditure incurred on, Forest Settlements during 1901-02.

FORM

Forest

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8

NORTHERN

	SQ. MLS.			SQ. MLS.		RS.	RS.
Ganjam ..	501	No. 134, Rev., dated 4th February 1902.	Kriyamba	34
	* — 1	No. 1191, Rev., dated 26th December 1901.	Darpangia extensions ..	2
		No. 545, Rev., dated 27th June 1901.	Chendragiri enclosure ..	(a)
			Total ..	36
Vizagapatam.	224	No. 350, Rev., dated 1st May 1901.	Barnakonda	20.98
			Total ..	20.98
Gôdâvari ..	951	No. 414, Rev., dated 12th May 1902.	Darbhagudem extension ..	1	..	345	..
			Total ..	1	..	345	..
Kistna ..	868	No. 207, Rev., dated 25th February 1902.	Kandlakunta extension No. 1.	22.81	..	2,170	26
		No. 397, Rev., dated 7th May 1902.	Kakirala extension No. 4 ..	1.89	..		
		No. 225, Rev., dated 1st March 1902.	Bandar Fort extension No. 3.	3.55	..		
		No. 1190, Rev., dated 26th December 1901.	Bandar Fort extension No. 4.	20.00	..		
		No. 877, Rev., dated 20th Sept. 1901.	Kadavakuduru	2.00	..		
		No. 983, Rev., dated 25th Oct. 1901.	Dindi extension No. 1 ..	0.55	..		
		No. 165, Rev., dated 17th February 1902.	Motupalli	1.02	..		
		No. 1066, Rev., dated 16th November 1901.	Kothur extension No. 3 ..	0.34	..		
		No. 543, Rev., dated 26th June 1902.	Do. .. 4 ..	0.21	..		
		No. 599, Rev., dated 11th July 1902.	Venkatayapalem extension No. 4.	2.13	..		
		....	Mandadi	6.00	..	
		....	Yelachitladibba extension ..	0.73	..	
		....	Nachugunta block No. 2 ..	4.30	..	
		....	Kodurparra	8.90	..	
		....	Ipurupalem	7.23	..	
			Total ..	81.66

(a) Below 1 square mile.

* Disafforested.

No. 45.

Department.

incurred on, Forest Settlements during 1901-1902.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest ac- counts.	In other ac- counts.	
9	10	11	12	13	14	15

CIRCLE.

	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
....	..	....	..	..	..	62
....	
....	
Total ..	..	Total ..	..	..	..
Kadagandi	16	Saragudu blocks Nos. 1, 2, 3 and 4.	30	454	..	46
Palkonda	7	Donabhai				
Total ..	23	Total ..	30	454	..	
....	..	Coringa Extension	75	..	..
Total ..	..	Total ..	75	..	..
Muppalla	7.64	Munipeda	1.71	}	3,288	Kona .. 13.89 Sorlagondi Extension No. 1. 23.57 Bhavadevarapalli. 16.42
Pasvemula extension No. 9 ..	0.79	Kanur	2.61			
Kondapalli do. „ 4 ..	0.90	Interu	6.89			
Ramannapeta block	0.81	Ramperu block Nos. 1 and 2 ..	7.12			
Jaggayyapeta extension No. 4.	0.11					
Do. do. „ 2.	0.56					
Venkatayapalem extension No. 5.	6.44					
Venkatayapalem extension No. 8.	3.36					
Venkatayapalem extension No. 10.	2.50					
Kuntimaddi	1.20					
Vemavaram extension No. 1.	0.41					
Tangeda extension No. 3 ..	1.13					
Pillutla	4.41					
Tangeda extension No. 4 ..	0.01					
Venkatayapalem extension No. 2.	2.81					
Govindapuram	2.91					
Total ..	35.99	Total ..	18.33	..	3,288	52.88

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.						Entire cost per square mile of areas finally settled during the year.
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.			
					In forest accounts.	In other accounts.		
1	2	3	4	5	6	7	8	

NORTHERN									
Kurnool ..	2,232	No. 658, Rev., dated 1st August 1901.	Eastern Nallamalai block No. 4.	SQ. MLS 44	RS. ..	148	..		
		No. 1186, Rev., dated 26th December 1901.	Eastern Nallamalai block No. 5.	14	..				
		No. 180, Rev., dated 21st February 1902.	Oddapalli	2	..				
		No. 189, Rev., dated 21st February 1902.	Nallamekalapalli	1	..				
		No. 320, Rev., dated 2nd April 1902.	Mettupalli No. I	3	..				
		No. 403, Rev., dated 8th May 1902.	Kottakota date	$\frac{1}{2}$	10				
		No. 459, Rev., dated 26th May 1902.	Devagudipad	$4\frac{1}{2}$..				
		No. 518, Rev., dated 9th June 1902.	Pyapalli extension No. 2 ..	5	..				
			Total ..	74	10			148	..
		Bellary ..	551	No. 870, Rev., dated 20th September 1901.	Chikkantapuram			3	95	345	..
No. 517, Rev., dated 9th June 1902.	Nandibanda			8					
No. 187, Rev., dated 21st February 1902.	Bondinakal			4					
No. 828, Rev., dated 10th September 1901.	Hirehal, A and B			4					
No. 646, Rev., dated 22nd July 1902.	Hyarada			2					
	Total ..			21	95	345	..		
Anantapur ..	508	No. 468, Rev., dated 31st December 1901.	Kaki	$\frac{2}{3}$	..	..	..
			Total ..	$\frac{2}{3}$	..	..	..
Cuddapah ..	2,129	No. 1071, Rev., dated 18th November 1901.	Palkonda extensions A to E ..	47	..	..	..
		No. 252, Rev., dated 11th March 1902.	Gadikota extension	15	..	..	..
		No. 798, Rev., dated 6th September 1901.	Gundlabhavi tope	(a)	..	..	..
		No. 935, Rev., dated 8th October 1901.	Chintagunta tope						
		No. 798, Rev., dated 8th September 1901.	Guvvala cheruvu tope ..						
		No. 188, Rev., dated 21st February 1901.	Pottipad tope						
		No. 462, Rev., dated 27th May 1901.	Kondur A and B tope ..						
		No. 462, Rev., dated 27th May 1902.	Saidapuram tope						
		No. 444, Rev., dated 14th May 1902.	Appayapalli tope						
			Total ..	62	..	..	..
		CENTRAL							
		Nellore ..	698	No. 23, Rev., dated 4th January 1902.	Peda Irlapad	6
No. 320, Rev., dated 1st April 1902.	Inimerla			6	..	..	..
No. 1187, Rev., dated 26th December 1901.	Vidavalur tope			$\frac{1}{4}$	..	..	..
No. 233, Rev., dated 4th March 1902.	Timmasamudram tope ..			(a)	..	..	..
No. 659, Rev., dated 1st August 1901.	Marupur extension			1	..	..	..

(a) Below 1 square mile.

incurred on, Forest Settlements during 1901-1902—cont.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest ac- counts.	In other ac- counts.	
9	10	11	12	13	14	15

CIRCLE—cont.

	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Panem	37	Sirvel addition No. 7 ..	5	86		97
Gani	88	(Mittapalle)	2			
Eastern Nallamalai block	3½	Yadvada	52			
No. 8.		Owk	7			
Eastern Nallamalai block	7	Eastern Nallamalai block No. 14.	2½			
No. 9.		Yeddupenta	2			
Eastern Nallamalai block	8	Kottaburuzu	10½			
No. 11.		Southern Veligonda extension.	20			
Eastern Nallamalai block	6	Northern do.			1,649	
No. 12.		Eastern Nallamalai—				
Eastern Nallamalai block	3	Block No. 6 (a)	8			
No. 13.		Do. „ 6 (b)	4			
Potilla	1	Do. „ 6 (c)	3			
Pyapalli extension No. 1 ..	2½	Do. „ 7	4			
Tekulakonda extension No. 1.	2	Do. „ 10	8			
Do. No. 2.		Jaladurgam extension No. 3 ..	7			49
		Do. „ 1				
		Pattikonda	7			
Total ..	158	Total ..	112	86	1,649	
Chintlapalli	2	Haladahalli, A and B ..	½			
		Mundrigi				
Total ..	2	Total ..	½			
Kadihalli block No. 1 ..						
Do. „ 2 ..	2					
Do. „ 3 ..						
Total ..	2	Total ..				
Idupalapaya extensions No. I and II.	21					
Ganganapalli extensions ..	60					
Sangasamudram	8					
Vellotla extension A	5					
Seshachalam extension A ..	61					
Do. D	26					
Pipipalle, east and west ..	17					
Kondapuram plantation ..						
Diguvapatnam	(a)					
Tal'apoddatur						
Dhansiyami cheruvu						
Total ..	198	Total ..				

CIRCLE.

Nandanavanam block B, extension A.	1¾	Kottapatam casuarina plantation extension.	¼		
Penubarti	2½	Utukur varini casuarina plantation block C extension A and B.	¾		
Dachur	3				
Udayagiri Veligonda block A extension.	2¼				

(a) Below one square mile each.

* The costs of settlement have not been apportioned to different columns. The total cost spent during the year is as follows:—

In forest accounts	RS.	A.	P.	
In other accounts furnished by Forest Settlement-officer.	131	10	3	(compensation of lands taken).

Total ..	1,498	4	4
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Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In-forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8

CENTRAL

	SQ. MLS.			SQ. MLS.		RS. A. P.	RS. A. P.
Nellore— cont.	698	No. 680, Rev., dated 6th August 1901.	Vadlapudi extension	$\frac{1}{2}$	..	..	..
		No. 124, Rev., dated 1st February 1902.	Biradavole extension	$\frac{1}{2}$	..	..	..
		No. 1161, Rev., dated 16th December 1901.	Survepalli extension	$1\frac{1}{2}$	..	..	..
		No. 26, Rev., dated 4th January 1902.	Devaravemur A and B topes.	(a)	..	..	..
		No. 496, Rev., dated 11th June 1901.	Guvvadi, east	2	..	..	..
		No. 576, Rev., dated 3rd July 1901.	Guvvadi, west	$2\frac{1}{2}$	..	..	..
		No. 729, Rev., dated 17th August 1901.	Bhairavaram	3	..	..	..
		No. 240, Rev., dated 6th March 1902.	Thotalacheruvupalli	$1\frac{3}{4}$	..	..	..
			Total ..	25	25	..	1 0 0
Chingleput.			Nil.				
North Arcot.	1,196.03 63.25	No. 126, Rev., dated 1st February 1902.	Thotakanama	7.36	..	341 10 6	46 7 0
			Total ..	7.36	..	341 10 6	46 7 0
South Arcot.	702 — 41*	No. 546, dated 23rd June 1902.	Damarakadu	9	..	..	..
			Total ..	9	..	..	..
Talem ..	1322 + 65*	No. 446, Rev., dated 30th May 1901.	Konur	3.76	..	..	..
		No. 683, Rev., dated 6th August 1901.	Shelur	28.44	..	..	..
		No. 544, Rev., dated 27th June 1901.	Veppampatti extension ..	7.19	..	..	..
		No. 427, Rev., dated 24th May 1901.	Kalnad extension	2.25	..	..	..
			Nochikuttai extension ..	6.35	..	..	..
		No. 424, Rev., dated 24th May 1901.	Pani	27.75	..	..	..
		No. 657, Rev., dated 1st August 1901.	Kallavi	6.37	..	..	..
			Total ..	82.11	..	..	..

(a) Below one square mile.

* Due to recomputation of areas.

incurred on, Forest Settlements during 1901-1902—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest ac- counts.	In other ac- counts.	
9	10	11	12	13	14	15

CIRCLE—*cont.*

	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Udayagiri-Veligonda block B extension.	2	Lebur A & B topes	$\frac{1}{3}$	..	..	13
Kanuparti casuarina plantation extension.	$1\frac{1}{3}$					
Chinna Annalur A tope ..	$\frac{1}{2}$					
Do. B ..						
Do. C ..						
Do. D ..						
Do. E ..						
Do. F ..						
Brahmanakraka						
Kodur tope						
Nallapallem	3					
Kakakivaya tope	$1\frac{1}{4}$					
Srikolanu tope	$\frac{1}{2}$					
Amanicheruvella and Inagalur topes.	1					
Irakam tope	2					
Venad tope	$2\frac{1}{4}$					
Total ..	23	Total ..	$1\frac{1}{3}$	57	2 8 8	
Peddur extension	15.57	Nil. .. ..	..	†603 12 0	1,024 15 8	1
Nellipatla	12.00					
Napier extension .. ..	.04					
Total ..	27.61	Total ..	..	603 12 3	1,024 15 8	
Kattuvananjur tope	3	....	..	..	..
Odayanatham						
Total ..	3					
Tirumanur	9.35	Nagur extension	4	..	1,366 10 2	
Bommiampatti	3.52					
Mangalam south extensions ..	4.62					
Naralapalli	5.88					
Ubharani	18.94					
Sholapadi	5.46					
Mallur	11.42					
Kottapatti extension	20.84					
Vellakuttai	1.52					
Hudaidurgam	45.77					
Urigam	14.97					
Hulibanda	14.80					
Kempakerai	11.13					
Sanamavu	7.53					
Total ..	175.75	Total ..	4	..	1,366 10 2	

† For the acquisition of rights in Nellipatla reserve.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8

CENTRAL

	SQ. MLS.				SQ. MLS.	RS.	RS. A. P.
Trichi- nopoly.	264·16	No. 568, Revenue, dated 2nd July 1901.	T. Kanapadi extension	..	27		
		No. 1184, Revenue, dated 26th Decem- ber 1901.	Pulivalam .. .. .	..	1·35	..	..
		No. 209, Revenue, dated 1st April 1902.	Mavilipatti .. .. .	..	2·81		
			Total ..		4·43	..	..
Tanjore ..	19	....	....		..	..	..

SOUTHERN

		No. 896, Revenue, dated 28th Septem- ber 1901.	Kombar	15	..	67	4 4 0
	646	No. 895, Revenue, dated 28th Septem- ber 1901. |	Nire	1	..	..	..
			Total ..	16	..	..	..
North Malabar.*	231	....	....	..	..	..	..
South Malabar.*	218	....	....	..	..	..	..
The Nilgiris.	396	No. 330, Revenue, dated 26th April 1901. Do. No. 353, Revenue, dated 1st May 1901. Do. Do. Do. Do. Do. Do. No. 425, Revenue, dated 24th May 1901.	Sandynallah No. II Red Hill No. I Kamari Pillurshola addition Bear hill No. II Gundorai addition Attimara Athigaratti addition No. II. Bettatti Volibettu addition Cherambadi addition No. I ..	132 222 51 16 18 22 11 104 8 35 1,961	.. .. .. .. .. .. .. .. .. .. ..	412....................	......................

* The total cost on forest settlement for Malabar and South Canara incurred during the year was Rs. 766 which has been distributed as follows:—

												Rs.
South Canara, 50 per cent.	..	..	..	..	..	..	..	..	..	..	..	358
North Malabar, 25 per cent.	..	..	..	..	..	..	..	..	..	..	..	191½
South Malabar	..	..	..	..	..	..	..	..	..	..	..	191½
												<hr/> 766

incurred on, Forest Settlements during 1901-1902—*cont.*

Areas-undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest ac- counts.	In other ac- counts.	
9	10	11	12	13	14	15

CIRCLE—*cont.*

	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Thachankurichi	4.08	....	..	..	..	1
Mogavanur	1.78	....	..	..	..
Kottathur	4.00	....	..	..	..
Velur	5.06	....	..	..	..
Nakkasalem	4.83	....	..	..	..
Manmalai reserved forest extension.	1.08	....	..	..	..
Maramareddipalaiyam ..	1.65	....	..	..	..
Valkaradu	1.06	....	..	..	..
Sathiramanai	3.07	....	..	..	..
Viramachampatti	7.48	....	..	..	..
Sengattupatti reserved forest extension.	2.53	....	..	..	..
Vairisettipalaiyam	3.07	....	..	..	..
Arasadi Arivithi	3.13	....	..	..	..
Pulambadi No. I	4.50	....	..	..	..
Total ..	47.32	Total ..	..	..	1,367	
	

CIRCLE.

Hale Someshwar	3	Vorwadi	1	N/L.	316	355
New Someshwar	4	Dondalarabi	2	..	..
Virakhamba	3	Kunthur extension .. .. .	.03	..	..
Kalanjimali	5	Mandekole	12	..	..
Kunthur	6					
Kilarmale	14					
Narimogar	3					
Karadka	5					
Total ..	43	Total ..	15.00	..	..
Ladysmith	4	....	..	..	..	80
.....	..	....	..	..	..	33
Masikallu †	2	Cherambadi addition No. II ..	10	..	955	
Masikadavu	18	Do. No. III.	10	..	..
Kudiashola No. III	75	....	..	..	..
Kundah reserve addition No. V.	198	....	..	..	..
Melkundah reserve	22	....	..	..	..
Woodcockshola reserve ..	26	....	..	..	..
Kukal valley	269	....	..	..	..
Addition to Doddabetta No. I	59	....	..	..	..
Denad reserve addition No. I.	125	....	..	..	..
Turachibettushola	57	....	..	..	..
Kattekadu adeola No. I ..	5	....	..	..	..

† Thrown out.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8

SOUTHERN							
The Nilgiris —cont.	SQ. MLS. 396.99	No. 681, Revenue, dated 6th August 1901.	Addition to Dodabetta No. I..	SQ. MLS. 17	..	..	..
		No. 1029, Revenue, dated 5th November 1901.	Kilingadi	3	..	..	..
		No. 1041, Revenue, dated 8th November 1901.	Rallia reserve addition No II.	3	..	..	..
		Do.	Uduyarai	37	..	..	..
		Do.	Gudakalkalla addition No. I.	40	..	..	..
		Do.	Do. No. II.	70	..	..	..
		Do.	Warwick No. I	80	..	..	..
		Do.	Do. No. III	5	..	..	..
		Do.	Nirmugihalla	17	..	..	..
		No. 1156, Revenue, dated, 12th December 1901.	Banahada	5	..	..	..
		Do.	Mullisappe	7	..	..	..
		No. 1185, Revenue, dated 26th December 1901.	Sandalwood block	14	..	..	..
		No. 1189, Revenue, dated 26th December 1901.	Adichathadu shola	18	..	..	..
		No. 62, Revenue, dated 15th January 1902.	Addition to cairn hill	12	..	..	..
		No. 186, Revenue, dated 21st February 1902.	Baraiyadi block	7	..	..	..
		No. 266, Revenue, dated 14th March 1902.	Extension to cairn hill addition.	1	..	..	..
			Gwatkin	7	..	..	..
			Airlie	2	..	..	..
			Burnside	14	..	..	..
			Odasakadu	47	..	..	..
			Kalluru reserve addition ..	151	..	..	..
			Alagarhanni	22	..	..	..
			Ilithorai	18	..	..	..
			Longwood reserve	48	..	..	..
			Toluyamayatti	20	..	..	..
			Mandileru	64	..	..	..
	Total ..				3,309 or 5.17 sq. miles

incurred on, Forest Settlements during 1901-1902—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15

CIRCLE—*cont.*

Kattekadu adeola No. II ..	8	....	..	
Denad reserve No. Ii ..	43	....	..	
Pommanu reserve ..	48	....	..	
Imbarahatti reserve ..	2	....	..	
Pambarai reserve ..	21	....	..	
Kadeola reserve ..	32	....	..	
Hadumund reserve addition No. I.	46	....	..	
Hadumund reserve addition No. II.	20	....	..	
Curzon valley No. III ..	940	....	..	
Do. No. IV ..	223	....	..	
Denad reserve No. III ..	84	....	..	
Sundatti addition ..	35	....	..	
Pambarai reserve No. III ..	14	....	..	
Attakadu shola ..	72	....	..	
Warbreccan reserve ..	18	....	..	
Uppatti shola addition ..	17	....	..	
Kodanad Valley shola addition. Do. No. II.	76 170	.... ....	.. ..	
Sinnattu shola reserve addition	308	....	..	
Ullavanad mund shola No. I ..	46	....	..	
Do. No. II ..	16	....	..	
Madanad reserve addition ..	709	....	..	
Addition to Bettu reserve No II	135	....	..	
Addition to Clyffe reserve ..	59	....	..	
Addition to Konakarai slopes reserve.	157	....	..	
Paravakadavu reserve ..	679	....	..	
Kannerihodai ..	7	....	..	
Sulligodu No. I ..	1	....	..	
Do. No. II ..	307	....	..	
Nedugala reserve addition ..	113	....	..	
Bergani block ..	1,053	....	..	
Mavadu addition No. II ..	90	....	..	
Santi ..	16	....	..	
Koderu reserve addition No. I.	36	....	..	
Neyyatti addition No. I ..	43	....	..	
Neralimara block No. I ..	9	....	..	
Do. No. II ..	2	....	..	
Kodamalai reserve No. II ..	18	....	..	
Lady Cannings seat reserve ..	133	....	..	
Audathorai reserve addition No. I	35	....	..	
Audathorai reserve addition No. II	58	....	..	
Addition to hill grove reserve	3	....	..	
Seven mile tope block ..	2	....	..	
Total ..	6,760 or 10.56 sq. miles.		20 or .03 sq. miles.	..	..

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8

SOUTHERN							
North Coimbatore.	SQ. MLS. 1,108	No. 345, Revenue, dated 8th April 1902.	Akkur Jorai	SQ. MLS. 1.48	..	..	..
		No. 789, Revenue, dated 6th September 1901.	Dodda Induvadi	0.05	..	..	..
			Total ..	1.53	..	..	..
South Coimbatore.	660	No. 781, Revenue, dated 2nd September 1901.	Mary or Andiparai estate ..	0.47	..	..	..
		No. 57, Revenue, dated 11th January 1902.	Avanashi palmyra tope ..	0.11	..	..	..
			Total ..	.58	..	..	..
Madura ..	598.02 -- *1	No. 1042, Revenue, dated 8th November 1901.	Kadavumalai	2.0	}	..	..
		No. 1072, Revenue, dated 18th November 1901.	Thoppasami malai	11.0			
			Total ..	13.0	..	..	..
Tinnevelly ..	431	No. 443, Revenue, dated 21st May 1902.	Extension No. 2 to Courtallam Reserve No. III.	0.208	..	..	..
		No. 423, Revenue, dated 14th May 1902.	Additions to Milavittan reserve No. 31.	0.110	..	..	..
			Total ..	0.318	..	..	..

* Disafforested.

incurred on, Forest Settlements during 1901-1902—cont.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest ac- counts.	In other ac- counts.	
9	10	11	12	13	14	15

CIRCLE—cont.

			SQ. MLS.				SQ. MLS.	RS.	SQ. MLS.
Yedaralli .. .. .	..	..	212	Ennamangalam .. .. .	..	..	16	..	21
Madesishwara Malai .. ..	..	..	246	Nagalur .. .. .	..	..	1	..	
Hanūr .. .. .	..	..	34						
Ullepalaityam .. .. .	..	..	6						
Barebetta .. .. .	..	..	5						
Tamarakarai .. .. .	..	..	12						
Sirganhalli (sandal wood * plantation).	..	..	05						
Vellamundi extension .. ..	..	..	(a)						
Total ..	..	..	515	Total ..	..	..	17	..	
....	
....	
Total ..	..	..	..	Total ..	..	..	..	..
Koviladi block .. .. .	..	..	35	Gundar valley extension ..	..	..	9.00	..	
Total ..	..	..	35	Total ..	..	..	9.00	..	
Vaippar .. .. .	..	..	4.123	Naranapuram block .. .. .	..	..	0.439	..	
Aruguli tope .. .. .	..	..	0.525						
Total ..	..	..	4.638	Total ..	..	..	0.439	..	

* Abandoned.

APPENDIX C.

Forest Settlement.

PARTICULARS of balance of Lands under Settlement.

District.	Total number and area of blocks brought under settlement up to end of 1901-1902.		Total number and area of blocks constituted finally as reserved forests up to end of 1901-1902.		Balance at the end of 1901-1902.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
<i>Northern Circle.</i>		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjām	49	{ (b) — 540 (c) — 3 — 1 }	49	536	..	..
Vizagapatam	52	{ (b) — 298 (c) — 1,027 }	45	245	7	53
Gó dá vari	85	{ (b) — 1,017 (c) — 11 }	83	951	2	76
Kistna	228	{ (b) — 2,616 (c) — 10 }	200	920	28	86
Kurnool	91	{ (b) — 574 (c) — 510 }	63	2,296	28	310
Bellary	145	{ (b) — 574 (c) — 510 }	140	561	5	13
Anantapur	80	{ (b) — 574 (c) — 510 }	77	508	3	2
Total ..	730	6,557	657	6,017	73	540
Cuddapah	216	{ (a) + 2,395 (b) — 1 (c) — 7 }	199	2,191	17	198
Nellore	227	{ (a) + 754 (b) — 1 (c) — 7 }	204	723	23	25
Chingleput	196	{ (a) + 214 (b) — 1,232 }	196	214	..	..
North Arcot	192	{ (a) + 63 (b) — 1 }	189	1,266	3	28
South Arcot	157	{ (a) + 705 (b) — 41 }	155	661	2	3
Salem	178	{ (a) + 1,585 (b) — 65 }	163	1,470	15	180
Trichinopoly	{ (d) — 130 — 1 }	{ (a) + 316 (b) — 18 }	115	269	14	47
Tanjore	15	{ (a) + 1 }	15	19	..	..
Total ..	1,310	7,294	1,236	6,813	74	481
South Canara	107	{ (b) — 721 (c) — 1 }	95	662	12	58
North Malabar	23	{ (b) — 245 (c) — 10 }	22	231	1	4
South Malabar	{ (e) — 13 — 1 }	{ (e) — 223 (c) — 5 }	12	218	..	..
The Nilgiris	427	{ (d) — 413 (e) — 1 }	361	401	65	12
North Coimbatore	50	{ (d) — 1,642 (e) — 1 }	40	1,109	9	532
South Coimbatore	21	{ (a) + 663 (b) — 1 }	21	662	..	..
Madura	149	{ (a) + 620 (b) — 1 }	147	610	2	10
Tinnevely	62	{ (a) + 431 (b) — 5 }	57	431	5	5
Total ..	849	4,945	755	4,324	94	621
Grand Total ..	2,889	18,796	2,648	17,154	241	1,642

(a) Rectification.

(d) Initial notification cancelled.

(b) Excluded at settlement.

(e) Transferred to South Coimbatore.

(c) Disafforested.

APPENDIX C—cont.

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—cont.

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1901-1902, but reservation effected only after 30th June 1902.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
<i>Northern Circle.</i>												
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjam .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam .. ..	..	..	..	..	1	16	1	16	1	7	5	30
Górávari	1	1	..	..	..	..	1	1	..	..	1	75
Kistna	2	3	2	8	1	4	5	15	6	28	17	43
Kurnool	3	10	2	6	..	..	5	16	4	40	19	254
Bellary	1	8	1	2	..	..	2	10	..	..	3	3
Anantapur .. ..	..	..	..	..	..	..	..	..	3	2	..	..
Total, Northern Circle.	7	22	5	16	2	20	14	58	14	77	45	405
<i>Central Circle.</i>												
Cuddapah	4	(a) ..	2	(a) ..	4	107	10	107	7	91	..	..
Nellore	10	8	3	3	..	..	13	11	2	3	8	11
Chingleput .. ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot .. ..	..	..	2	16	1	12	3	28	..	..	..	..
South Arcot	1	3	..	..	1	(a) ..	2	3	..	..	..	..
Salem .. ..	..	..	1	12	1	9	2	21	6	62	7	97
Trichinopoly	1	4	1	2	3	15	5	21	4	11	5	15
Tanjore .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle.	16	15	9	33	10	143	35	191	19	167	20	123
<i>Southern Circle.</i>												
South Canara .. ..	..	..	..	..	1	5	1	5	6	33	5	20
North Malabar .. ..	..	..	..	..	..	..	..	..	..	..	1	4
South Malabar .. ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris .. ..	..	..	..	..	..	..	..	..	11	1	54	11
North Coimbatore .. ..	..	..	1	212	1	34	2	246	1	12	6	274
South Coimbatore .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Madura .. ..	..	..	..	..	..	..	..	..	1	1	1	9
Tinnevely	2	(a) ..	..	..	..	..	2	(a) ..	1	4	2	1
Total, Southern Circle.	2	(a) ..	1	212	2	39	5	251	20	51	69	319
Grand Total, Presidency.	25	37	15	261	14	202	54	500	53	295	134	847

(a) Below one square mile.

APPENDIX C—cont.

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—cont.

Of lands notified under section 4.

Of lands notified under section 4.																						
Districts.	1890-91.		1891-92.		1893-94.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.		1900-1901.		1901-1902.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
<i>Northern Circle.</i>																						
Ganjám	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.	..	S. M.
Vizagapatam	1	16	3	34	3	3
Gó dávari	1	1	1	75
Kistna	1	8	2	8	..	..	2	8	19	43	4	19	
Kurnool	2	125	..	..	..	..	12	43	14	142	
Bellary	1	2	..	..	..	..	..	..	2	11	2	(a)	
Anantapur	3	2	..	..	..	..
Total	1	16	..	..	..	..	..	2	10	4	133	..	..	5	10	37	132	24	239	
<i>Central Circle.</i>																						
Cuddapah	6	155	..	..	..	3	43	1	(a)	..	..	6	(a)	1	(a)	
Nellore	6	15	15	9	2	1	
Chingleput	
North Arcot	1	16	1	12	..	..	..	..	..	1	(a)	..	..
South Arcot	2	3	..	..	..	..	..	..	..	..	..	..
Salem	1	19	1	5	3	19	9	132	1	5
Trichinopoly	4	13	..	..	10	34	..	..	..	..	..	..
Tanjore	
Total	6	155	2	35	7	28	3	43	12	39	9	34	31	141	4	6
<i>Southern Circle.</i>																						
South Canara	1	3	1	4	3	13	2	20	1	3	4	15
North Malabar	1	4	..	..
South Malabar	
The Nilgiris	6	1	58	11	1	(a)	
North Coimbatore	1	246	..	..	1	34	..	..	..	..	..	..	..	..	..	2	224	2	10	3	18
South Coimbatore	
Madura	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	
Tinnevelly	1	(a)	2	4	..	..	1	1	1	(a)	
Total ..	1	246	1	1	1	34	1	3	1	4	3	13	1	(a)	4	24	8	225	63	29	10	42
Grand Total ..	1	246	2	17	1	34	7	158	3	39	12	51	8	172	16	63	22	269	131	302	38	287

(a) Less than one square mile.

APPENDIX D.

Causes of delay in the submission of final notifications of forest reserves.

Districts.	Causes of delay.															Total.
	Notified under section 16 during 1901-1902, but with effect only after 30th June 1902.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps.	Awaiting disposal of appeals.	Awaiting expiry of time prescribed for appeal.	Only recently notified or re-notified under section 4.	Awaiting payment of compensation for acquisition or exchange of lands.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officers' answers to claims, demarcation, &c.	Settled, but final report pending with the Collector or Forest Settlement-officer.	Pending with the Collector or Forest Settlement-officer for revision of notification.	Awaiting replies to references made to Collector or the Board.	Awaiting inspection by the Forest Settlement-officer.	Other causes, i.e., awaiting information from Tahsildars, return of records from the District Court, &c.		
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Ganjam ..	..	..	..	..	1	..	..	3	..	1	..	..	1	..	7
Vizagapatam ..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	2
Godavari ..	2	2	..	1	..	..	3	..	4	5	1	..	4	6	28
Kistna ..	3	2	..	..	..	8	..	..	8	2	..	..	9	1	28
Kurnool ..	..	1	..	..	..	..	..	2	1	..	..	..	..	..	5
Bellary ..	1	..	..	..	..	..	..	..	..	3	..	..	..	..	3
Anantapur ..	..	2	..	4	..	..	..	1	2	3	4	..	..	4	17
Cuddapah ..	4	3	..	..	..	1	..	..	..	2	..	..	..	..	3
Nellore ..	10	3	..	..	..	..	..	..	..	..	..	..	..	..	23
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	3
South Arcot ..	1	1	..	..	..	..	..	1	..	..	1	..	..	..	2
Salem ..	..	..	..	..	..	..	..	..	..	..	3	..	6	..	15
Trichinopoly ..	1	1	..	1	..	..	..	..	3	4	..	..	..	1	14
Tanjore ..	..	..	..	..	..	1	..	3	..	..	1	..	3	..	12
South Canara ..	..	..	..	4	..	..	..	1	..	..	..	..	..	..	1
North Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Malabar ..	..	..	..	..	..	..	..	28	1	14	..	..	22	..	65
The Nilgiris ..	..	1	..	..	1	2	..	1	1	1	..	..	..	1	9
North Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	2	..	..	..	..	1	..	..	1	..	..	..	1	..	2
Tinnevely ..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	5
Total ..	25	15	..	10	2	13	8	40	17	41	14	..	47	14	241	

APPENDIX E.

RESERVED Lands not under Settlement in square miles.

Districts.	Up to 1900- 1901.	Added during 1900-1901.	Added during 1901-1902.	Total.	Transferred for settlement.				Balance remaining "reserved lands" not under settlement.
					Up to 1900-1901.	During 1900-1901.	During 1901-1902.	Total.	
1	2	3	4	5	6	7	8	9	10
<i>Northern Circle.</i>									
Ganjām	539	{ (a) — 2 1 }	{ (b) — 2 3 (h) — 1 }	538	{ 538 (b) — 3 (h) — 1 }	2	..	536	2
Vizagapatam ..	354	{ (a) — 4 (c) — 6 }	{ (g) — 1 }	344	261	34	3	298	46
Gódvári	951	{ 1 3 }	75	1,027	951	1	75	1,027	..
Kistna	1,128	{ (a) + 5 (b) — 13 (c) — 53 (d) — 2 4 }	{ (a) + 5 (b) — 11 (c) — 3 }	1,059	{ 925 (b) — 11 }	73	{ (a) + 14 5 }	1,006	53
Kurnool	2,881	{ (b) — 8 (c) — 109 (e) + 1 (f) + 2 }	{ (a) + 8 (b) — 10 (c) — 86 }	2,703	{ 2,424 (b) — 10 }	50	{ 134 (a) + 8 }	2,606	97
Bellary	615	{ 20 (c) — 4 }	{ (f) + 5 }	636	{ 546 (f) + 5 }	23	..	574	62
Anantapur ..	510	..	..	510	510	..	..	510	..
Total	6,978	— 162	+ 1	6,817	6,135	183	239	6,557	260
<i>Central Circle.</i>									
Cuddapah	2,451	{ (a) — 1 15 }	{ (b) — 7 (c) — 42 (e) + 1 }	2,389	{ 2,395 (b) — 7 (e) + 1 739 }	..	..	2,389	..
Nellore	755	{ (b) — 14 3 }	{ (b) — 7 (e) + 1 }	761	{ (b) — 7 (e) + 1 }	14	1	748	13
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,234	{ (a) + 2 (b) — 2 }	{ (b) — 1 (e) — 1 (f) + 63 }	1,295	{ 1,233 (b) — 1 (e) — 1 (f) + 63 }	..	..	1,294	1
South Arcot ..	709	(b) — 4	(f) — 41	664	{ 705 (f) — 41 }	..	..	664	..
Salem	1,453	{ (a) + 131 (b) — 4 (f) — 1 6 }	{ (e) — 5 (f) + 65 }	1,650	{ 1,427 (e) — 1 (f) + 65 }	154	5	1,650	..
Trichinopoly ..	318	(b) — 2	..	316	316	..	..	316	..
Tanjore	18	..	(f) + 1	19	{ 18 (f) + 1 }	..	..	19	..
Total	7,152	119	+ 37	7,308	7,120	168	6	7,294	14
<i>Southern Circle.</i>									
South Canara ..	1,093	{ (a) + 1 (c) — 4 }	{ (a) — 7 (c) — 7 (h) — 1 }	1,075	{ 703 (b) — 1 }	3	15	720	355
North Malabar ..	272	{ (b) — 4 (b) — 29 (d) — 24 }	{ (b) — 10 (c) — 2 }	235	{ 241 (b) — 10 }	4	..	235	..
South Malabar ..	328	{ (b) — 24 (d) — 33 }	* — 5	266	223	..	* — 5	218	48
The Nilgiris ..	489	{ 11 (c) — 2 }	(g)	498	401	12	..	413	85
North Coimbatore.	1,639	11	(e) — 1	1,649	{ 1,613 (e) — 1 }	11	18	1,641	8
South Coimbatore.	658	..	{ * + 5 (c) — 1 }	662	{ 658 (e) — 1 }	..	* + 5	662	..
Madura	611	..	9	620	611	..	9	620	..
Tinnevely	429	(g)	(f) + 7	436	{ 429 (f) + 7 }	..	..	436	..
Total	5,519	— 65	— 13	5,441	4,872	30	42	4,945	496
Grand Total ..	19,649	— 108	+ 25	19,566	18,128	381	287	18,796	770

* Transferred from South Malabar to South Coimbatore.

(a) Revision. (b) Excluded at settlement. (c) Unreserved. (d) Initial notification cancelled.
 (e) Rounding off fractions in previous years' returns. (f) Revision of areas already constituted reserved forests.
 (g) Below one square mile. (h) Disafforested.

FORM No. 46.

Forest Department, Madras Presidency.

RECORD of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
1	2	3	4	5	6	7	8	On new work.	On repairs.
<i>Northern Circle.</i>									
Ganjām	MILES. 256	MILES. 41	MILES. 733	MILES. 1,029	MILES. 193	MILES. 65	MILES. 1,287	RS. (c) 2,987	RS. 334
Vizagapatam	24	366	..	390	110	Not known.	509	530	{ — (m) 54 42
Góddávuri	54 { (a) 3 786 }	298	1,141	50	273	1,464 { (b) and (c) 677 }	{ (c) and (d). 1,310 — (m) 676		
Kistna	166	19	1,215	1,400	..	..	1,400 { (c) 1,807 (d) 1,698 (e) 5 }	366	
Kurnool	211	..	1,078	1,289	374	157	1,820	1,345	..
Bellary	39	429	1,123	1,591	15	..	1,606	242	{ — (m) 203 74
Anantapur	6	4	1,212	1,222	..	..	1,222	35	4
Total, Northern Circle ..	755	1,648	5,659	8,062	742	495	9,299	9,326	1,509
<i>Central Circle.</i>									
Ouddapah	186	11	3,244	3,441	126	..	3,567	1,083	{ — (m) 15 50
Nellore	168 { (a) 22 20 }	1,605	1,815	37	86	1,938	(c) 1,482	{ (c) 78 + (m) 3	
Chingleput	1 { (a) 2 639 }	281	923	1	..	924 { (d) 464 (e) 125 (f) 115 (g) 35 (h) 82 }	991	— (m) 32	
North Arcot	(l) 120	(a) 2,091	150	2,361	..	44	2,405	285	— (m) 13
South Arcot	21	(a) 92	2,076	2,189	173	..	2,362 { (c) 285 (i) — 88 }	44	{ + (m) 451 126 59 19
Salem	41	2,644	224	(j) 2,909	13	41	2,963	756	46
Trichinopoly	133	393	380	906	241	..	1,147	79	..
Tanjore	15	64	..	79	..	..	79	46	..
Total, Central Circle ..	685	5,978	7,960	14,623	591	171	15,385	5,420	630
<i>Southern Circle.</i>									
South Canara	376	47	2,222	2,645	158	110	2,913	4,625	{ (k) 228 — (m) 67 98
North Malabar	5	..	576	581	529	2	1,112	216	166
South do.	12	15	96	123	72	112	307	(c) 382	{ + (m) 134 6
The Nilgiris	83	22	1,216	1,321	18	249	1,588	1,636	67
North Coimbatore	71	12	50	133	..	..	133	1,030	{ + (m) 2239 65
South do.	3	9	505	517	..	78	595	6	— (m) 2
Madura .. .. .	.. { (a) 37 465 }	1,031	1,533	35	140	1,708	..	..	792
Tinnevely	46	38	422	506	64	17	587	1,202	{ — (m) 71 231 + (m) 25
Total, Southern Circle ..	596	645	6,118	7,359	876	708	8,943	9,097	3,704
Grand Total, Presidency ..	2,036	8,271	19,737	30,044	2,209	1,374	33,627	23,843	5,843

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions such as blocks, compartments and coupes. The lengths of boundaries of forests finally notified should alone be shown in this return.

- (a) Repairs done by existing establishment free of cost.
 (b) Includes cost of rectification of boundaries.
 (c) Includes cost of constructing or repairing cairns or constructing slabs.
 (d) Includes cost of temporary establishment.
 (e) Cost of cutting $1\frac{1}{2}$ miles length of compartment lines.
 (f) Includes cost of planting and transplanting stones.
 (g) Cost of removing prickly-pears.
 (h) Coupe line clearings of about 83 miles.
 (i) Represents cash recoveries on account of excess expenditure.
 (j) Incorrectly entered in the return as 2,970.
 (k) Rs. 96 was spent out of this in cutting 3 feet line for the survey of India.
 (l) Besides, 10 miles of existing boundary lines were rectified.
 (m) Added or deducted as per Accountant-General's audited figure

ANNUAL FORM No. 47.

Forest Department, Madras Presidency

STATEMENT of Forest Areas surveyed and under survey during the year 1900-1901.

Areas surveyed and under survey during the year 1900-1901.																		
Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.										Ordinary, included in district surveys.								
Districts.	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.				
	With details of growing stock.		Without details of growing stock.		Total cost.	Pre-vious.	Of year.	Total cost.	With details of growing stock.		Without details of growing stock.		Total cost.	Previous.	Of year.	Total cost.		
	Previous.	Of year.	Previous.	Of year.	Previous.				Of year.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
Ganjām		
Vizagapatam		
Gōdāvari		
Kistna		
Kurnool		
Bellary		
Anantapur		
Cuddapah		
Nellore		
Chingleput		
North Arcot		
South "		
Salem		
Tiruchinopoly		
Tanjore		
South Canara		
North Malabar		
South " ..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris		
North Coimbatore..		
South "		
Madura		
Tinnevely		
Total ..	7	..	8,653	1,470	1,99,731	2,847	398	37	10,068	..	1,561	2	128	822	169	2,024		

Statement of Forest Areas surveyed and under survey during the year 1901-1902—cont.

Areas surveyed and under survey during the year 1901-1902—cont.													
District	Chain and compass or other surveys by local officers.										Cost.		
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.		Total cost.	Previous.	Of year.	Total cost.	Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Previous.	Of year.	Entire cost of all surveys to end of the year.
	Previous.	Of year.	Previous.	Of year.									
	18	19	20	21	22	23	24	25	26	27	28	29	30
Ganjam	..	SQ. MLS. 23	SQ. MLS. ..	SQ. MLS. ..	RS 37	L. MLS. 891	L. MLS. 62	RS. 310	SQ. MLS. ..	SQ. MLS. 538	RS. 13,508	RS. 347	RS. 13,855
Vizagapatam	215	..	..	.. 360	.. 329	845	.. 439	584	1,023
Gódvári 423	..	..	..	1,027	3,813	360	4,173
Kistna	177	..	..	..	1,059	12,405	1,947	14,352
Kurnool	254	126	..	1,713	415	2,703	91,177	21,625	1,12,802
Bellary	636	..	..	..
Anantapur	510	..	..	..
Cuddapah	2,389	71,512	19,000	90,512
Nellore	761	397	179	576
Chingleput	214	..	..	..
North Arcot	1,295	16,676	280	16,956
South "	52	..	..	..	..	664	8,881	..	8,881
Salem	5	..	251	128	1,650	33,354	..	33,354
Trichinopoly	71	316	25,000	..	25,000
Tanjore	19	..	..	..
South Canara	632	244	..	15	1,075	..	..	..
North Malabar	37	..	728	235	265	728	213	1,305
South "	184	..	778	211	498	1,092	..	..
The Nilgiris	1,649	66,923	10,050	76,973
North Coimbatore	662	..	..	..
South "	620	..	..	..
Madura	436	..	..	..
Tirnevelly
Total	286	47	..	..	558	2,475	306	4,140	1,404	19,567	3,45,905	54,585	4,00,490

APPENDIX F.

ABSTRACT of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjām.—The district, reserve and fire conservancy maps have been prepared in the five months during which a draughtsman was employed in the district.

Vizagapatam, Godāvāri and Bellary.—The district, range and reserve maps are maintained up to date.

Kistna.—Maps for 10·55 square miles of reserved forests have been received in the year.

Anantapur.—Final maps have been prepared for 506 square miles of reserved forest, leaving a balance of 2 square miles for which maps have to be prepared.

Kurnool.—The district map has been posted to date; range and taluk maps have been maintained in all Range offices. Taluk maps posted up to date are also available in the District Forest-office. Sketch-maps to accompany notifications under sections 4 and 16 of the Act are maintained. Final maps from the Survey of India for the Railway Working Circle (portions of Nandyal and Cumbum reserves) and Ambavaram reserved forest have been received during the year.

Central Circle.

Cuddapah.—The district and taluk maps are maintained. Fair copies of five reserve maps have been prepared for photozincography in the Survey office, Madras. A fresh district map on 4" = 1 mile was prepared for office use; 24 tracings showing the outlines of reserves were prepared and supplied to the Survey of India. Beside the above, certain alterations to indicate contour lines of hills were carried out in 35 reserve maps prepared for photozincography.

Nellore.—Two copies of the sketches of the Kanigiri, two of the Kavali, four of the Udaiyagiri and six of the Rapur ranges have been prepared from the final maps and supplied to Range offices.

Chingleput.—The district and taluk maps and the atlas sheets have been posted to date. Rough sketches of 91 blocks of working-plans were divided into coupes for Range officers' use and 4 fair copies of Sathyavedu working-plan map and 12 block sketches of 12 reserves in the Chingleput range have been prepared.

North Arcot.—The district map is posted to date; taluk maps 1" = 1 mile, have been supplied to the Range officers, and copies are also kept in the District Forest-office; final maps for reserves covering an area of 1,226 square miles prepared by the Survey of India or by the Madras Survey office have been received and distributed among the Range officers.

South Arcot.—19 outline maps were supplied to the Range officers for posting final demarcation. 7 reserve maps and 10 outline tracings from forest survey maps were prepared. 16 'Tahsildars' maps have been posted with forest boundaries. 5 tracings were prepared for working-plans from Survey of India maps. 16 maps were reduced from 8 to 4 inch scale for the purpose of working-plans. 10 outline tracings from the village survey maps for the working-plan purposes of Kallakurichi range and 2 key maps for the Tiruvannāmalai working-plan were also prepared.

Salem.—146 reserve maps prepared by the Survey of India are available.

Tanjore.—The district as well as range maps are maintained as also separate maps for each reserve. Working-plan maps for the Vettangudi reserve, the north, south, and Neidavasal casuarina plantations, Shiyali taluk, are maintained.

Trichinopoly.—The district forest reference map, the taluk maps posted to date and range maps are maintained. Maps were prepared for some of the reserves for which working-plans were taken in hand during the year. Final maps for 2 reserved forests in Kulittalai, for 2 in Vyampatti, for 12 in Musiri, for 13 in Perambalur and for 10 in Udayarpalayam ranges, aggregating in all 61 square miles, have been prepared.

Southern Circle.

South Canara.—The district reference map is maintained posted to date. Maps for all reserves except Bhagimale and Mujimale are also kept.

North Malabar.—The district reference map is approaching completion; final maps for the Peria and Padiri reserves have been prepared and maps of four other reserves viz., Adavankunnu, Advankunnu extension, Kanoth and Kanoth extension, are under preparation.

South Malabar.—The district reference map has been posted to date. Reserve and range maps have been maintained. Working circle maps have also been prepared.

The Nilgiris.—The office reference map as well as Range and settlement maps have been posted to date. There are no separate maps for reserves except for Mudumalai, Benne and Kombarakolli reserves; but there are settlement maps for every village in the district on which are shown all the reserves notified under section 16 of the Forest Act. Maps for ten working-circles have also been prepared.

North Coimbatore.—The office reference map has been maintained. Topographical sheets are used as Range reference maps. Reserve maps have been prepared for all the reserves in the Erode range. The settlement maps in most cases together with topographical sheets are used by Rangers for reserve maps.

South Coimbatore.—The District reference map has been maintained in duplicate. The taluk maps 1"=1 mile have been utilized instead of range maps and particulars relating to the five ranges have been entered therein. There are also maps for each working circle.

Madura.—Survey of India maps have been received for all but ten reserved forests. Additions and corrections have been made in the map of Thoppaswami Malai reserve.

Tinnevelly.—The district reference map has been posted to date. Final maps for all the principal hill forests except 8 reserves have been prepared.

ANNUAL FORM No. 48.

Forest Department, Madras Presidency.

PROGRESS made in Working-Plans during 1901-1902.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed.	* Remarks.
	At commencement of year.	Taken in hand during year.	At commencement of year.	During year.				
1	2	3	4	5	6	7	8	9
<i>Northern Circle.</i>								
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS. A P.	RS.
Ganjām .. ..	..	..	..	66	472	538	..	3
Vizagapatam .. ..	..	21	..	3	320	344	..	31
Gódvári	52	..	248	15	712	1,027	..	101
Kistna	8	..	(e)	55	996	1,059	..	2
Kurnool	158	..	2	73	2,470	2,703	..	10
Bellary	12	..	134	70	420	636	..	..
Anantapur .. ..	..	..	..	..	510	510	..	..
Total ..	230	21	384	282	5,900	6,817	..	147+(a) 357
<i>Central Circle.</i>								
Cuddapah	3	..	..	..	2,386	2,389	..	33
Nellore	108	..	445	7	201	761	..	221
Chingleput	(f)	..	..	109	105	214	..	49
North Arcot .. ..	..	451	179	355	310	1,295	..	152
South Arcot .. ..	..	321	2	120	221	664	..	121
Salem	220	135	77	143	1,075	1,650	..	107
Trichinopoly	1	..	32	5	278	316	..	185
Tanjore	4	..	..	5	10	19	..	..
Total ..	336	907	735	744	4,586	7,308	..	868+(b) 33
<i>Southern Circle.</i>								
South Canara	1	..	5	680	389	1,075	..	..
North Malabar .. ..	..	..	..	178	57	235	..	15
South Malabar	34	..	..	..	232	266	..	122
The Nilgiris	6	10	14	7	461	498	..	..
North Coimbatore	62	313	..	..	1,274	1,649	..	..
South Coimbatore	10	224	..	..	428	662	..	..
Madura	248	108	..	..	264	620	..	157
Tinnevely	56	30	142	3	205	436	..	..
Total ..	417	685	161	868	3,310	5,441	..	294+(c) 583
Grand Total ..	983	1,613	1,280	1,894	13,796	19,566	..	1,309+(d) 973

* The figures in column 9 represent the cost incurred during the year under A. Conservancy and Works VIII (d).

(a) Amount spent under Northern Circle "Direction" A-VIII (d) Conservancy and Works.

(b) Amount spent under Central Circle "Direction" A-VIII (d) Conservancy and Works.

(c) Amount spent under Southern Circle "Direction" A-VIII (d) Conservancy and Works.

(d) Lump sum spent under "Direction" A-VIII (d) in the 3 Circles.

(e) Less than one square mile.

(f) Working-plans for 33 square miles in the Chingleput district entered in column 3 of the last year's return have since been cancelled and were ordered to be revised.

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
<i>Northern</i>						
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(a) Head-quarter houses ..	595	....	..	..	747
	(b) Rest-houses	80				
	(c) Houses for subordinate establishments	72				
	Total, Ganjám ..	747	Total ..	..	..	747
Vizagapatam.	(b) Rest-houses	40	(a) Cart-roads	11	39	185
	(c) Houses for subordinate establishments	36				
	(d) Others	70				
	Total, Vizagapatam ..	146	Total ..	11	39	185
Górávari ..	(a) Head-quarter houses ..	450	(a) Cart-roads	19	3,072	4,382
	(b) Rest-houses	191	(b) Bridle-paths	5	527	..
	(c) Houses for subordinate establishments	15				..
	(d) Others	127				
	Total, Górávari ..	783	Total ..	24	3,599	4,382
Kistna ..	(a) Head-quarter houses ..	187	(a) Cart-roads	15	803	1,457
	(b) Rest-houses	405	(b) Bridle-paths	2	40	..
	(d) Others	22				
	Total, Kistna ..	614	Total ..	17	843	1,457
Kurnool ..	(b) Rest-houses	799	(a) Cart-roads .. ..	..	1,104	2,254
	(c) Houses for subordinate establishments	75				
	(d) Others	276				
	Total, Kurnool ..	1,150	Total ..	..	1,104	2,254
Bellary ..	(c) Houses for subordinate establishments	15	(a) Cart-roads	3	643	893
	(d) Others	235				
	Total, Bellary ..	250	Total ..	3	643	893

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.

Buildings.		Roads and paths.			Total ex- pended on repairs.
Nature of repairs.	Expend- iture incurred.	Nature of repairs.	Length repaired.	Expend- iture incurred.	
8	9	10	11	12	13

Circle.

a) Head-quarter houses		RS.	60	Add A-VII (c) ..		MLS.	..	RS.	..	RS.	60
Total ..			60	Total ..			..		..		64
(a) Head-quarter houses			1,320	(a) Cart-roads .. .. .			..		306		1,626
Total ..			1,320	Add A-VII (c) ..			..		..		39
Total ..			1,320	Total ..			..		..		1,665
(a) Head-quarter houses			173	(a) Cart-roads .. .. .			..		41		722
(b) Rest-houses			416	Add A-VII (c) ..			..		..		327
(c) Houses for subordinate establish- ments			46	Total ..			..		..		1,049
(d) Others			46	(a) Cart-roads			18		517		2,422
Total ..			681	Add A-VII (c) ..			..		..		1,229
(a) Head-quarter houses			105	Total ..			..		..		3,651
(b) Rest-houses			182	(a) Cart-roads			12		312		643
(c) Houses for subordinate establish- ments .. .. .			..	Add A-VII (c) ..			..		..		1,109
(d) Others			214	Total ..			..		..		1,752
Add pay of temporary establishments.			501	(a) Cart-roads			26		413		..
Total ..			1,404	(b) Bridle-paths			17		170		..
(a) Head-quarter houses			231	Add A-VII (c) ..			..		..		1,965
(d) Others			15	Total ..			..		..		2,255
Total ..			246	(a) Cart-roads			5		144		..
Add pay of temporary establishments..			85	(b) Bridle-paths			2		17		..
Total ..			331	Add A-VII (c) ..			7		161		311
(a) Head-quarter houses.. .. .			396	Total ..			..		..		42
(b) Rest-houses			382	(a) Cart-roads			5		144		..
(d) Others			90	(b) Bridle-paths			2		17		..
Add pay of temporary establishments..			868	Add A-VII (c) ..			..		..		1,965
Total ..			513	Total ..			..		..		2,255
Add as per Accountant-General's audi- ted figures.			1,381	Deduct as per Accountant-General's audi- ted figures.			..		39		..
Total ..			40	Add A-VII (c) ..			..		..		1,965
(a) Head-quarters houses			147	Total ..			..		..		2,255
(d) Others			3	(a) Cart-roads			5		144		..
Total ..			150	(b) Bridle-paths			2		17		..
Total ..			150	Add A-VII (c) ..			..		..		311
Total ..			150	Total ..			..		..		42
Total ..			150	Total ..			..		..		353

New work undertaken during the year.

District.	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7

Northern

Anantapur ..	(b) Rest-houses	RS. 172	(a) Cart-roads	MLS. 10	RS. 282	RS. 454
Total, Anantapur ..		172	Total ..	10	282	454
Total, Northern Circle.	(a) Head-quarter houses ..	1,232	(a) Cart-roads	58	5,943	} 10,372
	(b) Rest-houses	1,687	(b) Bridle-paths	7	567	
	(c) Houses for subordinate establishments	213				
	(d) Others	730				
Total, Northern Circle ..		3,862	Total ..	65	6,510	10,372

Central

Direction ..	....	..	....	..	..	..
Cuddapah ..	(c) Houses for subordinate establishments	3	....	..	..	228
	(d) Others	225	....	..	..	..
Total, Cuddapah ..		228	Total ..	..	..	228
Nellore ..	(b) Rest-houses	20	....	..	..	96
	(d) Others	76	....	..	..	..
Total, Nellore ..		96	Total ..	..	..	96
Chingleput ..	(b) Rest-houses	600	....	..	..	700
	(c) Houses for subordinate establishments	100				
Total, Chingleput ..		700	Total ..	..	..	700
North Arcot ..	(a) Head-quarter houses ..	2,432	(a) Cart-roads	12	4,739	10,047
	(b) Rest-houses	2,284				
	(c) Houses for subordinate establishments	162				
	(d) Others	430				
Total, North Arcot ..		5,308	Total ..	12	4,739	10,047

and Buildings—cont.

Repairs executed during the year.

Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13

Circle—cont.

(a) Head-quarter houses	RS. 147	(a) Cart-roads	MLS. 2	RS. 28	RS. 1,013
(b) Rest-houses	170	(b) Bridle-paths	3	70	
	317				
Add pay of temporary establishments and contingencies	598	Add A-VII (c)	5	98	1,013
			..	..	241
Total ..	915	Total ..	..	..	1,254
(a) Head-quarter houses	2,579	(a) Cart-roads	63	1,761	8,762
(b) Rest-houses	1,150	(b) Bridle-paths	22	+ 218	
(c) Houses for subordinate establishments	46				
(d) Others	408				
	4,183		85	1,979	8,762
Add pay of temporary establishments ..	2,600	Add A-VII (c) ..	..	..	3,281
Total ..	6,783	Total ..	..	..	12,043

Circle.

(a) Head-quarter houses	12	....	..	..	12
Total ..	12	Total ..	..	..	12
(a) Head-quarter houses	731	(a) Cart-roads .. ..	..	5	1,294
(c) Houses for subordinate establishments	28	Add A-VII (c) ..	..	..	74
(d) Others	228				
	1,032				
Add pay of temporary establishments	257				
Total ..	1,289	Total ..	..	..	1,368
(a) Head-quarter houses	225	....	..	..	389
(d) Others	50	Add A-VII (c) ..	..	..	796
	275				
Add pay of temporary establishments.	114				
Total ..	389	Total ..	..	..	1,185
(b) Rest-houses	69	....	..	..	122
(d) Others	11	Add A-VII (c) ..	..	..	41
	80				
Add pay of temporary establishment.	47				
	127				
Deduct cash recovery ..	5				
Total ..	122	Total ..	..	..	163
(a) Head-quarter houses	950	(a) Cart-roads	346	6,183	9,626
(b) Rest-houses	1,128	Add A-VII (c) ..	..	..	458
(c) Houses for subordinate establishments	40				
(d) Others	234				
	2,349				
Add pay of temporary establishments.	1,061				
Total ..	3,410	Total ..	..	..	10,084

* Includes Rs. 40 added as per Accountant-General's audited figures.
 + Excludes Rs. 39 deducted as per Accountant-General's audited figures.
 (a) Added or deducted as per Accountant-General's audited figures.

New work undertaken during the year.						
District.	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
<i>Central</i>						
South Arcot ..	.....	RS. ..	.....	MLS. ..	RS. ..	RS. ..
	Total, South Arcot ..	..	Total ..	..	..	..
Salem ..	(d) Others	341	(a) Cart-roads .. .. .	..	1,080	1,421
	Total, Salem ..	341	Total ..	..	1,080	1,421
Trichinopoly ..	(d) Others	267	.....	..	..	267
	Total, Trichinopoly ..	267	Total ..	..	..	267
Tanjore ..	.....	..	.....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Total, Central Circle.	(a) Head-quarter houses ..	2,432	(a) Cart-roads	12	5,819	12,759
	(b) Rest-houses	2,904				
	(c) Houses for subordinate establishments	265				
	(d) Others	1,339				
	Total, Central Circle ..	6,940	Total ..	12	5,819	12,759
<i>Southern</i>						
South Canara.	(a) Head-quarter houses ..	1,002		..	..	1,674
	(c) Houses for subordinate establishments	672		..	..	..
	Total, South Canara ..	1,674	Total ..	..	..	1,674
North Malabar.	(c) Houses for subordinate establishments	844		..	..	1,406
	(d) Others	562		..	..	..
	Total, North Malabar ..	1,406	Total ..	..	..	1,406
South Malabar.	(a) Head-quarter houses ..	3,503	(b) Bridle-path	8	532	4,071
	(b) Rest-houses	36				
	Total, South Malabar ..	3,539	Total ..	8	532	4,071
The Nilgiris ..	(a) Head-quarter houses ..	42	(a) Cart-roads .. .. .	..	42	169
	(b) Rest-houses	50				
	(c) Houses for subordinate establishment	35				
	Total, The Nilgiris ..	127	Total ..	..	42	169

and Buildings—cont.

Repairs executed during the year.

Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13

Circle—cont.

(a) Head-quarter houses	Rs. 214	(c) Others	MLS. ..	Rs. 168	Rs. 677
(b) Rest-houses	23				
	237				
Add pay of temporary establishment ..	312	Add A-VII (c) ..	..	..	329
	549				
Deduct Rs. 40 as per Accountant-General's audited figures	40				
Total ..	509	Total ..	..	..	1,006
(a) Head-quarter houses	239	(a) Cart-roads ..	..	1,293	2,547
(b) Rest-houses	1,015	Add A-VII (c) ..	..	..	1,126
Total ..	1,254	Total ..	..	..	3,673
(b) Rest-houses	8		..	..	8
Total ..	8	Total ..	..	..	8
(b) Rest-houses	25		..	..	25
Total ..	25	Total ..	..	..	25
(a) Head-quarter houses	2,381	(a) Cart-roads	346	7,514	..
(b) Rest-houses	2,268	(c) Others .. .. .	..	168	..
(c) Houses for subordinate establishments	60				
(d) Others	518				
	5,227			7,682	14,700
Add pay of temporary establishment.	1,791	Add A-VII (c) ..	..	..	2,824
Total ..	7,018	Total ..	..	..	17,524

Circle.

(a) Head-quarter houses	81	(a) Cart-roads	9	46	311
(b) Rest-houses	53				
(d) Others	70				
	204				
Add pay of temporary establishment.	61	Add VII (c) ..	..	..	30
Total ..	265	Total ..	..	..	341
(b) Rest-houses	1,102	(a) Cart-roads .. .. .	..	1,891	2,980
Deduct Rs. 13 as per Accountant-General's audited figures	13	Add Rs. 11 as per Accountant-General's figures .. .. .	..	11	11
			..	..	2,991
Total ..	1,089	Add A-VII (c) ..	..	..	204
		Total ..	..	1,902	3,195
(a) Head-quarter houses	358	(a) Cart-roads	15	624	..
(b) Rest-houses	48	(b) Bridle-paths	40	109	..
(c) Houses for subordinate establishments	247	Add Rs. 15 as per Accountant-General's audit figures	55	733	..
			..	15	..
Total ..	653	Add A-VII (c) ..	..	748	1,401
		Total ..	..	..	160
(d) Others	949	(c) Others	74	1,370	2,319
		Add A-VII (c) ..	..	..	89
Total ..	949	Total ..	..	..	2,408

District.	New work undertaken during the year.						Total expend- iture on new work.
	Buildings.		Roads and paths.				
	Description of building.	Expend- iture incurred.	Road or path and object of the same.	Length of road or path.	Expend- iture incurred.		
1	2	3	4	5	6	7	
Southern							
North Coimba- tore.	(b) Rest-houses	RS. 478	(a) Cart roads	MLS. 42	RS. 13,292	} 17,171	
	(d) Others	1,077	(b) Bridle-paths	15	2,332		
		1,555					
	Deduct cash recovery ..	8					
	Total, North Coimbatore ..	1,547	Total ..	57	15,624	17,171	
South Coimba- tore.	(a) Head-quarter houses ..	193	(c) Others .. .. .	..	513	} 4,990
	(b) Houses for subordinate establishment	293					
	(d) Others	3,991					
	Total, South Coimbatore ..	4,477	Total ..	..	513	4,990
Madura ..	(a) Head-quarter houses ..	50	(a) Cart roads	4	5	} 1,865	
	(b) Rest-houses	1,692	(b) Bridle-paths .. .. .	..	5	
				4	{ 10 (a) 113		
	Total, Madura ..	1,742	Total ..	4	123	1,865	
Tinnevelly ..	(c) Houses for subordinate establishments	1,194	(a) Cart roads	6	312	} 250,6	
	Total, Tinnevelly ..	1,194	Total ..	6	1,312	2,506	
Total, South- ern Circle.	(a) Head-quarter houses ..	4,790	(a) Cart roads	52	14,651	} 33,852	
	(b) Rest-houses	2,549	(b) Bridle-paths	23	2,982		
	(c) Houses for subordinate establishments	2,745	(c) Others .. .. .	..	513	
	(d) Others	5,622					
	Total, Southern Circle ..	15,706	Total ..	75	18,146	33,852	
Grand Total, Presidency.	(a) Head-quarter houses ..	8,454	(a) Cart roads	122	26,413	} 56,983	
	(b) Rest-houses	7,140	(b) Bridle-paths	30	3,549		
	(c) Houses for subordinate establishments	3,223	(c) Others .. .. .	..	513	
	(d) Others	7,691					
	Total, Presidency ..	26,508	Total ..	152	30,475	56,983	

(a) Pay of road watches.

and Buildings—cont.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total ex- pended on repairs.
Nature of repairs.	Expen- diture incurred.	Nature of repairs.	Length repaired.	Expend- iture incurred.	
8	9	10	11	12	13

Circle—cont.

(a) Head-quarter houses	RS. 640	(a) Cart roads	MLS. 78	RS. 4,210	RS. ..
(b) Rest-houses	1,052	(b) Bridle-paths	6	600	..
(d) Others	448				..
Add pay of watchers ..	2,140		84	4,810	7,397
	450	Add A-VII (c) ..	..	..	343
Deduct cash recovery ..	2,596				
	3				
Total ..	2,587	Total ..	..	..	7,740
(a) Head-quarter houses	242	(a) Cart roads	27	1,889	..
(b) Rest-houses	204	(b) Bridle-paths	2	95	..
(d) Others	650				
			29	1,984	3,080
Total ..	1,096	Add A-VII (c) ..	..	..	3,725
		Total ..	..	..	6,805
(a) Head-quarter houses	244				851
(b) Rest-houses	199	Add A-VII (c) ..	..	..	325
(c) Houses for subordinate establishments	40				
(d) Others	9				
	492				
Add pay of temporary establishments ..	359				
Total ..	851	Total ..	..	..	1,176
(a) Head-quarter houses	3	(a) Cart roads	61	1,820	..
(b) Rest-houses	779	(b) Bridle-paths	24	777	..
(c) Houses for subordinate establishments	213	(c) Others .. .. .	..	417	..
	995		85	3,014	4,052
Add Rs. (135—92) 43, being the net cost of dismantling a bungalow.	43	Add A-VII (c) ..	..	..	10
Total ..	1,038	Total ..	..	..	4,062
(a) Head-quarter houses	1,568	(a) Cart roads	190	10,506	22,402
(b) Rest-houses	3,464	(b) Bridle-paths	72	1,581	..
(c) Houses for subordinate establishments	1,150	(c) Others .. .. .	..	1,787	..
(d) Others	1,476				
	7,658		262	13,874	22,402
Add pay of temporary establishments ..	870	Add A-VII (c) ..	..	..	4,886
Total ..	8,528	Total ..	..	..	27,288
(a) Head-quarter houses	6,528	(a) Cart roads	599	19,781	..
(b) Rest-houses	6,882	(b) Bridle-paths	94	1,799	..
(c) Houses for subordinate establishments	1,256	(c) Others .. .. .	..	1,955	..
(d) Others	2,402				
	17,068		693	23,535	45,864
Add pay of temporary establishments ..	5,261	Add A-VII (c) ..	..	..	10,991
Total ..	22,329	Total ..	..	..	56,855

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway.

I.—Nellore District.

(i) Sriharikóta Range.

Capital Account.

	1900-1901.	1901-1902.		1900-1901.	1901-1902.
<i>Dr.</i>	<i>RS.</i>	<i>RS.</i>	<i>Cr.</i>	<i>RS.</i>	<i>RS.</i>
To balance from the previous year.	16,783	15,776	By depreciation at 6 per cent.	1,007	947
Add stock .. .. .	..	..	„ balance of stock	15,776	14,829
Total ..	16,783	15,776	Total ..	16,783	15,776

Revenue Account.

	1900-1901.	1901-1902.		1900-1901.	1901-1902.
<i>Dr.</i>	<i>RS.</i>	<i>RS.</i>	<i>Cr.</i>	<i>RS.</i>	<i>RS.</i>
To working expenses	750	928	By balance written off	2,608	3,123
„ road-making and repairs ..	73	412			
„ interest at 4 per cent. ..	671	631			
„ depreciation at 6 per cent. ..	1,007	947			
„ repairs of wagons	107	205			
Total ..	2,608	3,123	Total ..	2,608	3,123

	1900-1901.					1901-1902.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
Work done	3,450½	2½	8,626	RS. 2,608	RS. A. P. 0 4 10	9,460½	2½	23,650½	RS. 3,123	RS. A. P. 0 2 1

	1900-1901.			1901-1902.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
Actual charge of carrying	8,626	RS. 2,609	RS. A. P. 0 4 4	23,650½	RS. 3,123	RS. A. P. 0 2 1
Estimated cost of carting		12,634	1 5 0		31,041	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889-90	1,444
1890-91	8,487	
1891-92	3,743	
1892-93	13,807	
1893-94	13,063	
1894-95	15,153	
1895-96	9,100	
1896-97	23,921	
1897-98	25,450	
1898-99	30,398	
1899-1900	23,176	
1900-1901	8,713	
1901-1902	27,918	
Total ..	2,92,929	
Deduct loss ..	1,444	
Net profit ..	2,01,485	

Statement showing the results of wood by tramway—cont.

II.—South Coimbatore District.

Capital Account.

	1900-1901.	1901-1902.		1900-1901.	1901-1902.
<i>Dr.</i>	<i>RS.</i>	<i>RS.</i>	<i>Cr.</i>	<i>RS.</i>	<i>RS.</i>
To balance from the previous year ..	38,658	37,302	By depreciation at 6 per cent. ..	2,381	2,241
„ repairs to tram-trucks ..	281	48	„ balance of stock ..	37,302	3,509
„ extension of tram-line beyond Sangam ..	744	..			
Total ..	39,683	37,350	Total ..	39,683	37,350

Revenue Account.

	1900-1901.	1901-1902.		1900-1901.	1901-1902.
<i>Dr.</i>	<i>RS.</i>	<i>RS.</i>	<i>Cr.</i>	<i>RS.</i>	<i>RS.</i>
To working expenses ..	3,014	2,872	By balance written off ..	7,989	7,772
„ depreciation at 6 per cent. ..	2,381	2,241			
„ interest at 4 per cent. ..	1,587	1,494			
„ repairs to tram-road and deviation of tram line ..	202	258			
	805	907			
Total ..	7,989	7,772	Total ..	7,989	7,772

	1900-1901.					1901-1902.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
Work done ..	278 $\frac{1}{2}$ tons (11,134 c. ft.).	4	1,113	RS. 7,989	RS. A. P. 1 11 11	35 $\frac{1}{2}$ tons (1,420 c. ft.).	4	142	RS. 7,772	RS. A. P. 1 13 5
	511 $\frac{2}{3}$ tons (20,469 c. ft.).	5 $\frac{1}{2}$	2,814			223 $\frac{1}{2}$ tons (8,940 c. ft.).	5 $\frac{1}{2}$	1,229		
	13 $\frac{2}{3}$ tons (552 c. ft.).	5 $\frac{1}{2}$	72			198 $\frac{1}{2}$ tons (7,934 c. ft.).	3	595		
	191 $\frac{2}{3}$ tons (7,677 c. ft.).	3	576			556 $\frac{2}{3}$ tons (22,276 c. ft.).	3	1,671		
						199 $\frac{1}{2}$ tons (7,976 c. ft.).	3	598		
			4,575					4,235		

	1900-1901.			1901-1902.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
Actual charge for carrying ..	4,575	RS. 7,989	RS. A. P. 1 11 11	4,235	RS. 7,772	RS. A. P. 1 13 5
Estimated cost of carting ..	4,575	4,765		4,235	4,411	
Actual cost of maintaining cart-road before the construction of tramway (now sanctioned) ..	..	1,200	1 0 8	..	1,200	1 0
Cost of extension of road beyond Sangam ..	..	310		..	310	
Total estimated cost of carting ..	..	6,275	..	..	5,921	..
Loss ..	..	1,714	..	..	1,851	..

ABSTRACT OF LOSS.

Year.	Loss.	Year.	Loss.	Year.	Loss.
1889-90 ..	RS. 4,155	1894-95 ..	1,743	1899-1900 ..	630
1890-91 ..	3,049	1895-96 ..	1,236	1900-1901 ..	1,714
1891-92 ..	4,711	1896-97 ..	778	1901-1902 ..	1,851
1892-93 ..	4,718	1897-98 ..	64		
1893-94 ..	2,392	1898-99 ..	2,609	Total ..	29,650

REGISTER of Breaches of Forest Rules during 1901-1902.

FOREST DEPARTMENT.

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District.	Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.				Total.	Cases pending at close of year.	
		Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.				
								Cases.	Persons.	Cases.	Persons.			Cases.	Persons.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle.														
Ganjam ..	A ..	23	196	41	17	260	283	148	376	36	133	{ 184	509	43
	B ..	7	133	28	9	172	179	130	331	..	..	{ 56	153	49
	C ..	..	44	..	..	44	..	..	..	..	..	{ 130	331	..
	Total ..	30	373	69	26	476	462	278	707	36	133	{ 314	840	92
Vizagapatam ..	A ..	32	216	47	22	287	319	287	686	5	13	{ 202	699	27
	B ..	29	302	127	31	461	490	414	885	..	..	{ 414	885	76
	C ..	..	3	..	..	3	..	..	..	..	..	{ ..	..	..
	Total ..	61	521	174	53	751	809	701	1,571	5	13	{ 706	1,584	103
Godavari (b) ..	A ..	{ 31	81	37	6	129	{ 160	{ 112	{ 296	{ 14	{ 61	{ 126	{ 357	{ 32
	B ..	{ (a) 2	..	..	..	..	{ (a) 2	..	{ (a) 2	{ (a) 2	{ (a) 12	{ (a) 2	{ 17	{ 12
	C ..	22	231	75	{ (a) 1	342	364	206	499	..	..	{ 206	499	56
	Total ..	..	..	..	..	..	..	..	..	..	..	{ (a) 1	{ (a) 1	..
Kistna ..	A ..	{ 53	312	112	{ 39	471	{ 524	{ 318	{ 795	{ 14	{ 61	{ 332	{ 856	{ 88
	B ..	{ (a) 2	..	..	{ (a) 1	..	{ (a) 3	..	{ (a) 2	{ (a) 2	{ (a) 12	{ (a) 2	{ 310	{ 12
	C ..	31	72	112	7	191	222	158	608	17	49	{ 175	657	47
	Total ..	78	696	971	60	1,727	1,805	1,495	5,617	..	..	{ 1,495	5,617	177
Total ..	A ..	109	776	1,083	68	1,938	2,027	1,653	6,225	17	49	{ 1,670	6,274	224
	B ..	..	..	..	..	..	..	..	..	..	..	{ 133	517	..
	C ..	..	..	..	..	..	..	..	..	..	..	{ ..	..	..
	Total ..	..	..	..	..	..	..	..	..	..	..	{ ..	..	..

A. Cases taken into Court.

(a) Drift wood cases.

(b) The variations in the figures between the closing balance of the previous year and the opening balance of the year under report has not been explained by Collector. The sum total, however, remains the same.

B. Cases compounded.

C. Cases undetected.

* Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest Rules during 1901-1902—cont.

District.	Cases pending from 1900-1901.	New cases of the year.					Total cases.	Disposed of during the year.				Cases pending at close of year.		
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.			Total.	
								Cases.	Persons.	Cases.	Persons.			Cases.	Persons.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle - cont.														
Kurnool ..	{ A { B { C ..	{ (b) 128 (b) 38 .. Total ..	{ 386 193 28 607	{ 167 150 2 325	{ 63 60 .. 123	{ 617 409 30 1,056	{ 745 447 .. 1,192	{ 550 371 .. 921	{ 1,462 986 .. 2,448	{ 46 46	{ 166 166	{ 596 53 371 967	{ 1,628 119 986 2,614 * 131	{ 96 70 .. 166
Bellary ..	{ A { B { C ..	{ 15 43 .. Total ..	{ 314 353 .. 667	{ 194 362 .. 556	{ 26 58 .. 84	{ 534 775 .. 1,309	{ 549 818 .. 1,367	{ 358 621 .. 979	{ 1,279 2,107 .. 3,386	{ 9 9	{ 31 31	{ 367 21 621 988	{ 1,310 55 2,107 3,417 * 524	{ 161 65 .. 226
Anantapur ..	{ A { B { C ..	{ (a) 25 (a) 89 .. Total ..	{ 56 152 .. 208	{ 52 134 .. 186	{ 3 1 .. 4	{ 112 288 8 408	{ 137 377 .. 514	{ 80 264 .. 334	{ 189 840 .. 1,029	{ 15 15	{ 63 63	{ 95 3 254 349	{ 252 4 840 1,092 * 203	{ 39 45 .. 84
Total, Northern Circle.	{ A { B { C ..	{ 285 (a) 2 306 .. Total ..	{ 1,321 2,080 83 3,464	{ 650 1,853 2 2,505	{ 144 252 (a) 1 397	{ 2,130 4,174 (a) 1 6,409	{ 2,415 4,480 (a) 1 6,895	{ 1,693 3,491 .. 5,184	{ 4,896 11,265 .. 16,161	{ 142 (a) 2 .. 142	{ 516 (a) 12 .. 516	{ 1,835 135 (a) 2 3,491 451 (a) 1	{ 5,412 348 (a) 12 11,265 1,490 (a) 1	{ 445 538 .. 983
Grand Total, Northern Circle		{	3,464	2,505	397 (a) 1	6,409 (a) 1	6,895 (a) 3	5,184	16,161	142 (a) 2	516 (a) 12	{ 5,326 586 (a) 2 (a) 1	{ 16,677 1,838 (a) 12 (a) 1	983

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer. (a) Driftwood cases. (b) The closing balance under items A and B in column 15 of the previous year's return was 110 and 56, respectively. Of these, 18 cases under B, were transferred to A, the accused having paid compounding fees. (c) The closing balance under items A and B in column 15 of the previous year's return was 4 and 110, respectively. Of these, 21 cases were transferred from B to A.

Register of Breaches of Forest Rules during 1901-1902—cont.

District.	New cases of the year.						Disposed of during the year.							Cases pending at close of year.
	Cases pending from 1900-1901.	Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Convictions.		Acquittals.		Total.			
							Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle.														
Cuddapah	{ A ..	(a) 125	7	220	469	25	721	690	1,564	69	381	{ 759 4	{ 1,945 9	{ 83
	{ B ..	(a) 140	1	518	414	101	1,034	850	1,941	..	..	{ 850 158	{ 1,941 448	{ 166
	{ C ..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	265	8	738	883	126	1,765	1,540	3,505	69	381	{ 1,609 162	{ 3,886 457	{ 249
Nellore ..	{ A ..	(b) 87	..	215	451	16	685	592	1,279	32	131	{ 624 23	{ 1,410 33	{ 125
	{ B ..	(b) 27	..	236	279	13	528	504	1,132	..	..	{ 504 4	{ 1,132 5	{ 47
	{ C ..	..	..	25	49	11	85	..	..	..	..	..	..	..
	Total ..	114	..	476	782	40	1,298	1,096	2,411	32	131	{ 1,128 27	{ 2,542 38	{ 172
Chingleput	{ A ..	(c) 40	..	100	15	6	121	129	266	9	19	138	285	23
	{ B ..	(c) 145	..	486	222	15	723	610	1,098	..	..	{ 610 29	{ 1,098 56	{ 229
	{ C ..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	185	..	586	237	21	844	739	1,364	9	19	{ 748 29	{ 1,383 56	{ 252
North Arcot	{ A ..	(d) 327	..	390	463	71	924	870	2,858	78	220	{ 948 34	{ 3,078 97	{ 269
	{ B ..	(d) 282	..	792	1,237	156	2,185	1,855	3,854	..	..	{ 1,855 137	{ 3,854 344	{ 475
	{ C ..	..	89	1	..	..	90	..	..	..	..	..	..	..
	Total ..	609	89	1,183	1,700	227	3,199	2,725	6,712	78	220	{ 2,803 171	{ 6,932 441	{ 744

A. Cases taken into Court.

B. Cases compounded.

C. Cases undetected.

* Withdrawn under the District Forest-officer's orders.

(a) The closing balances under items A and B in column 15 of the previous year's return were 100 and 165, respectively, but 25 cases were since transferred from B to A.

(b) The variations in the figures between the previous year's closing balance and the opening balance of the year under report have not been explained.

(c) The closing balance under items A and B in column 15 of the previous year's return was 18 and 167, respectively, but 22 cases under B were since transferred to A.

(d) The closing balance under items A and B in column 15 of the previous year's return was 274 and 328, respectively; of these, 53 cases under B were transferred to A during the year under report. Besides, 7 cases under B which were omitted to be shown in the previous year's return have now been included thus making the opening balance as (328 - 53 + 7) or 282 cases.

Register of Breaches of Forest Rules during 1901-1902—cont.

FOREST DEPARTMENT.

li

District.	Cases pending from 1900-1901.	New cases of the year.					Total new cases of the year.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle—cont.														
Total, Central Circle.	1,271	13	2,115	1,907	177	4,212	5,483	3,928	10,676	443	1,748	{ 4,371 * 153	{ 12,433 * 455	959
	1,345	1	4,936	4,536	437	9,910	11,255	9,101	19,838	..	..	{ 9,101 * 422	{ 19,838 * 1,138	1,732
	..	97	297	191	29	617	..	..	..	..	..	..	..	..
Grand Total, Central Circle	2,616	111	7,318	6,637	643	14,739	16,738	13,029	30,514	443	1,748	{ 13,472 * 575	{ 32,271 * 1,583	2,691
Southern Circle.														
South Canara	(a) 35	6	141	36	40	223	258	116	214	34	88	{ 150 * 71	{ 302 * 183	37
	(a) 39	2	243	46	14	305	344	294	534	..	..	{ 294 ..	{ 534 ..	50
	..	8	2	..	..	10	..	..	..	..	..	..	..	..
Total	74	16	386	82	54	538	602	410	748	34	88	{ 444 * 71	{ 836 * 183	87
North Malabar	(b) 4	..	5	..	2	7	11	6	26	1	3	{ 7 * 2	{ 29 * 2	2
	..	..	6	9	..	15	15	13	24	..	..	{ 13 * 2	{ 24 * not stated	..

Total	4	..	11	9	2	22	26	19	50	1	3	{ 20 * 4	{ 53 * 2	2
South Malabar	1	..	3	..	..	3	4	4	15	..	..	{ 4 ..	{ 15..	..
	1	..	26	2	2	30	31	30	39	..	..	{ 30 ..	{ 39 ..	1

Total	2	..	29	2	2	33	35	34	54	..	..	{ 34 ..	{ 54 ..	1
Thiruvithir	59	6	34	42	26	108	167	123	322	19	57	{ 142 ..	{ 379 ..	25
	23	3	101	24	11	139	162	145	589	..	..	{ 145 ..	{ 589 ..	17

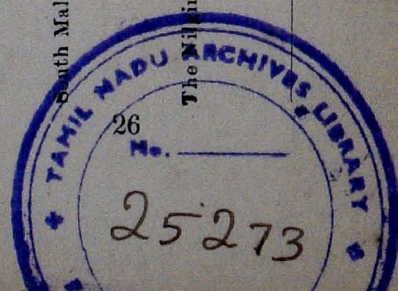
Total	82	9	135	66	37	247	329	268	911	19	57	{ 287 ..	{ 968 ..	42

A. Cases taken into Court.

B. Cases compounded.

C. Cases undetected.

(a) The closing balance under items A and B in column 15 of the previous year's return was 24 and 50 respectively. Of these, 11 cases under B were transferred to A during the year.
(b) The closing balance under items A and B in column 15 of the previous year's return was 3 and 1 respectively. The transfer of the one case under B to A has not been explained.



Register of Breaches of Forest Rules during 1901-1902—cont.

ANNUAL REPORT OF THE

District.	Cases pending from 1900-1901.	New cases of the year.						Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Convictions.		Acquittals.		Total.				
							Cases.		Persons.	Cases.	Persons.	Cases.	Persons.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Southern Circle—cont.															
North Coimbatore.	{ A ..	33	56	36	3	96	129	88	261	19	100	{ * 107	361	18	
	{ B ..	(a) 9	94	51	2	147	156	94	268	..	..	{ * 94	5	21
	{ C ..	..	..	..	..	71	..	..	..	..	..	{ * 41	118	..
	Total ..	42	150	87	5	314	285	182	529	19	100	{ * 201	629	39	
South Coimbatore.	{ A ..	11	104	18	11	133	144	114	362	12	74	{ * 126	486	18	
	{ B ..	27	116	43	17	170	197	146	324	..	..	{ * 146	324	23
	{ C ..	..	12	12	4	28	..	..	..	..	..	{ * 28	97	..
	Total ..	38	226	73	32	331	341	260	686	12	74	{ * 272	760	41	
Madura	{ A ..	226	251	32	12	301	527	245	932	24	119	{ * 269	891	181	
	{ B ..	53	151	136	..	287	340	301	1,053	..	..	{ * 77	160	20
	{ C ..	..	53	21	8	82	..	..	..	..	..	{ * 301	1,053	..
	Total ..	279	455	189	20	670	867	546	1,985	24	119	{ * 570	1,944	201	

A. Cases taken in to Court.

B. Cases compounded.

C. Cases undetected.

* Withdrawn under the orders of the District Forest-officer.

(a) The closing balance under items A and B in column 15 of the previous year's return was 29 and 13 respectively, which are presumably revised figures. Of these, 4 cases under head B were transferred to A during the year under report.

Register of Breaches of Forest Rules during 1901-1902—cont.

FOREST DEPARTMENT.

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District.	Cases pending from 1900-1901.	New cases of the year.					Total new cases of the year.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
I	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle - cont.														
Tinnevely	{ A ..	9	34	34	4	74	83	63	145	6	18	69	163	14
	{ B ..	16	209	97	5	311	327	212	388	..	..	212	388	28
	{ C ..	..	42	17	2	61	..	..	..	..	..	..	..	..
	Total ..	25	285	148	11	446	410	275	533	6	18	281	551	42
Total, Southern Circle.	{ A ..	378	628	198	98	945	1,323	759	2,277	115	459	874	2,576	295
	{ B ..	168	910	408	51	1,404	1,572	1,235	2,219	..	..	1,54	350	160
	{ C ..	..	109	50	14	252	..	..	..	..	..	1,235	3,229	..
	Total ..	546	1,677	656	163	2,601	2,895	1,994	5,496	115	459	2,109	5,805	455
Total, Presidency..	{ A ..	1,934	4,064	2,755	419	7,287	9,221	6,380	17,849	700	2,723	7,080	20,421	1,699
	{ B ..	1,819	7,936	6,797	740	15,488	17,307	13,827	34,322	..	..	442	1,153	2,430
	{ C ..	37	489	246	44	974	..	..	..	..	..	13,827	34,332	..
	Total ..	3,790	12,489	9,798	1,203	23,749	26,528	20,207	52,171	700	2,723	20,907	54,753	4,129

(a) The closing balances under items A and B in column 15 of the previous year's return were 24 and 50, respectively. Of these 12 cases under B were transferred to head A during the year under report.

* Withdrawn under the orders of the District Forest-officer.

A. Cases taken into court.

B. Cases compounded.

C. Cases undetected.

APPENDIX.

Details of prosecutions for offences by fire.

Division.	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjām ..	1	200 acres.	Careless ..	Convicted ..	Section 21 (b) of the Madras Forest Act.	Sentenced to suffer rigorous imprisonment for six weeks.
	2	Nil.	Intentional ..	Do. ..	do.	Do. for twenty days.
	3	100 acres.	Careless ..	Do. (four accused).	do.	Two were fined Rs. 15 each, in default to suffer twenty days' rigorous imprisonment; one was fined Rs. 5, in default, ten days' rigorous imprisonment; and the fourth fined Rs. 2, in default, four days' simple imprisonment.
	4	Nil.	Do.	Withdrawn	....	....
	5	Nil.	Intentional ..	Pending ..	....	....
	6	4 sq. yds.	Careless ..	Do. ..	....	....
	7	$\frac{1}{2}$ an acre.	Do.	Do. ..	....	....
	8	....	Do.	Do. ..	....	....
Vizagapatam ..	1	5 sq. yds.	Intentional ..	Convicted ..	Section 21 (e) of the Forest Act	Each accused was sentenced to pay a fine of Rs. 5.
	2	30 acres.	Careless ..	Compounded ..	Do.	Compounded for Rs. 10.
	3	4 sq. yds.	Intentional ..	Convicted ..	Do.	Sentenced to pay a fine of one rupee (each accused).
	1	50 yds.	Careless ..	Do. ..	Section 21 of the Forest Act ..	One week's rigorous imprisonment.
	2	5 acres.	Do.	Do. ..	Clause (e) of ..	Out of five accused, three were fined and two were sentenced to one month's rigorous imprisonment each.
Gōdāvari ..	3	200 "	Do.	Do. ..	Do.	Sentenced to one month's rigorous imprisonment.
	4	200 "	Do.	Do. ..	Do.	Do.
	5	100 "	Intentional ..	Do. ..	Section 21 of the Madras Forest Act.	Do.
	1	6 "	Do.	Acquitted ..	....	....
	1	Not known.	Careless ..	Compounded ..	Section 26 of the Forest Act ..	Compounded for Rs. 25.
Kurnool ..	1	Do.	Do.	Do. ..	do.	Do. for Rs. 10.
Bellary ..	2	....	Intentional ..	Convicted ..	Section 21 of the Forest Act ..	Sentenced to undergo six months' rigorous imprisonment.
Anantapur ..	1	25 acres.	Do.	Withdrawn	....	This case was shown as pending last year.
	2	200 "	Careless ..	Convicted (two accused).	Section 21 of the Madras Forest Act ..	Sentenced to two months' rigorous imprisonment each.
	1	20 "	Do.	Do. ..	do.	Sentenced to fifteen days' rigorous imprisonment each.
Cuddapah ..	2	50 "	Intentional ..	Do. ..	do.	First accused fined Rs. 20, second Rs. 50; in default one month's rigorous imprisonment each.
	(a) 3	60 "	Do.	Do. ..	do.	The accused were fined Rs. 5 each, in default to suffer one week's rigorous imprisonment.
	4	40 "	Do.	Acquitted ..	....	....
	5	240 "	Do.	Pending ..	....	....
	6	....	Do.	Do. ..	....	....
	7	640 acres.	Do.	* Withdrawn (three accused).	....	....
	8	270 "	Do.	Pending ..	....	* For want of evidence.
	9	....	Careless ..	Do. ..	....	....
	10	....	Do.	Do. ..	....	....

(a) Last year's case.

Details of prosecutions for offences by fire.

Division.	Serial No. of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Salem	1	13 acres.	Intentional	Pending	Section 21 (b) of the Forest Act	....
	2	Do.	Do.	Withdrawn	do.	....
	1	$\frac{1}{2}$ acre.	Careless ..	Convicted (three accused).	Section 21 of the Forest Act.	....
Trichinopoly	2	3 acres.	Do.	Do.	do.	Fined Rs. 3 each.
	3	45 sq. ft.	Do.	Acquitted	Section 245, Circular Procedure Code.	Fined Rs. 10 of which Rs. 1 was to go to Forest Department for damages caused to forests by the fire.
	4	5 acres.	Do.	Do.	do.	The offenders were minors.
	1	15 "	Do.	Convicted	Section 21 (b) of the Madras Forest Act.	Fined Rs. 20
	2	2 "	Do.	Compounded	do.	Compounded for Rs. 2
	3	30 "	Do.	Do.	do.	Do. for Rs. 3
	4	6 "	Do.	Do.	do.	Do. for Rs. 8
	5	2 "	Do.	Do.	do.	Do. for Rs. 10
	6	15 "	Intentional	Withdrawn	do.	These cases shown as pending at the close of 1900-1901
	7	$1\frac{1}{2}$ "	Do.	Compounded	do.	.. were disposed of during the current year.
	8	13 "	Careless ..	Pending	do.	..
	9	0.27 acres.	Do.	Withdrawn	do.	..
South Canara	10	50 acres.	Do.	Pending	do.	..
	11	15 "	Intentional	Do.	do.	..
	12	5 "	Careless ..	Do.	do.	..
	13	5 "	Do.	Withdrawn	do.	..
	14	5 "	Do.	Do.	do.	..
	15	5 "	Do.	Pending	do.	..
	1	20 "	Intentional	Convicted	Section 21 (e) of the Forest Act	Sentenced to receive eight stripes.
	2	....	Do.	Do.	do.	First accused was sentenced to ten days' and second accused to fifteen days' imprisonment.
	3	....	Do.	Do.	do.	Compounded for Rs. 20.
	4	....	Do.	Do.	do.	The first accused was acquitted and the second was sentenced to imprisonment till the rising of the Court.
The Nilgiris	5	$\frac{1}{2}$ acre.	Do.	Acquitted	Section 21 (e) of the Forest Act	....
	6	1 "	Do.	Convicted	do.	Compounded for Rs. 4.
	7	....	Do.	Do.	do.	Do. for Rs. 5.
	8	2 acres.	Do.	Do.	do.	Fined Rs. 20.
	9	$\frac{1}{2}$ acre.	Careless ..	Acquitted	do.	This was shown as a preceding case during last year.
	10	....	Intentional	Withdrawn	Section 21 (e) of the Forest Act	....
North Coimbatore	1	50 acres.	Do.	Pending	Section 21 (e) of the Forest Act	....
South Coimbatore (a)	1	20 "	Do.	Acquitted	do.	....
	2	15 "	Do.	Partially convicted.	do.	Out of the seven accused one died, one was acquitted and the remaining five were sentenced to a fine of Rs. 5 each or in default to suffer ten days' rigorous imprisonment.
Madura (b)	1 to 6	Not known	Do.	Withdrawn	Section 21 (b) of the Madras Forest Act.	Sentenced to simple imprisonment for two days.
	7 to 9	Do.	Do.	Pending	do.	....
	10	Do.	Do.	Convicted (one accused).	do.	....
Tinnevely	1	125 acres.	Do.	Pending	Section 21 of the Forest Act	....
	2	5 "	Do.	Do.	Do.	....

(a) Last year's cases.

(b) Out of the ten cases four were last year's cases.

AREA of Forest Tracts protected from Fire during 1901-1902.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	<i>Northern Circle.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
Ganjam— General— Kukuluba.	Gogodo	1890 ..	10,277	10,327	3,000	7,327	56	
	Chodiapalli	1891 ..	905	907	54	853	28	
	Chendragiri	1885 ..	17,675	18,320	1,770	16,550	79	
	Brahmanasai	1889 ..	6,883	7,033	1,460	5,573	54	
	Total, Kukuluba ..	..	35,740	36,587	6,284	30,303	217	
Mojja- guda.	Tiliki	1889 ..	3,929	4,000	158	3,842	32	
	Dhimirijholi	1889 ..	5,426	5,486	50	5,436	32	
	Darpangia	1889 ..	5,440	6,000	256	5,744	48	
	Gulleri	1889 ..	27,030	27,064	222	26,842	111	
	Kaliamba	1889 ..	* 8,790	8,896	103	8,793	64	
	Baiballi	1889 ..	9,900	10,000	222	9,778	48	
	Total, Mojjaguda ..	..	60,515	61,446	1,011	60,435	335	
Suradā ..	Dabuki	1890 ..	1,448	1,450	6	1,444	47	
	Dowgam	1889 ..	2,119	2,279	143	2,136	16	
	Pippalaponka	1889 ..	3,917	4,000	66	3,934	62	
	Total, Suradā ..	..	7,484	7,729	215	7,514	125	
Buguda ..	Panchabhuthi	1889 ..	3,900	3,000	63	2,937	64	
	Kurcholi	1889 ..	4,210	4,805	2,050	2,755	32	
	Total, Buguda ..	..	8,110	7,805	2,113	5,692	96	
Berhampur.	Kriamba	1902 ..	..	2,400	635	1,765	25	
	Ramagoda	1885 ..	7,931	7,955	..	7,955	32	
	Baniamari	1885 ..	3,852	4,030	2	4,028	32	
	South Mohiri	1885 ..	3,366	3,418	10	3,408	32	
	Total, Berhampur ..	..	15,149	17,803	647	17,156	121	
	Total, General ..	..	126,998	131,370	10,270	121,100	894	
Special— Kukuluba. Mojjaguda Buguda..	Brahmanasai	1901 ..	808	808	..	808	80	
	Gulleri	1901 ..	382	550	10	540	70	
	Kurcholi	1901 ..	1,264	1,268	..	1,268	100	
	Total, Special ..	..	2,454	2,626	10	2,616	250	
	Total, Ganjam (Special and General).	..	129,452	133,996	10,280	123,716	1,144	
Vizaga- patam— Special.	Peddapalli	1892 ..	9,077	9,077	..	9,077	68	
	Kadagandi	1900-1901.	10,794	11,064	..	11,064	140	
	Barnakonda	1900-1901.	111	13,431	..	13,431	130	
	Madalammakonda ..	1900-1901.	2,900	3,205	30	3,175	55	
	Narasipatam fuel work- ing circle							
	Pedimikonda							
	Arlova coupe .. ..	..	..	3,227	..	3,227	83	
	Total (Special) ..	..	22,882	40,084	30	40,054	509 —24 (a)	
General ..	Seethakhandi .. ..	..	..	2,368	43	2,325	..	
	Dharakonda .. ..	..	..	42,894	3,130	39,764	..	
	Senivaram .. .. .	..	..	31,488	6,675	24,813	..	
	Karaka and Extension ..	..	..	8,093	540	7,553	3	
	Total (General) ..	..	..	84,843	10,388	74,455	3	
	Total, Special and General, Vizagapatam.	..	22,882	124,927	(b) 10,418	114,509	512 —24 (a)	

* Revised figures.

(b) In column 25 of the Government of India abstract printed at page 21 of the report an area of 80 acres only is reported to have been burnt in the district. The discrepancy has not been explained.

(a) Deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902--cont.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Gódavari— (General)— Bhadráchalam range.	Northern Circle—cont.							
	Dummagudem reserved forest.	1887 ..	ACS. 6,092	ACS. 6,110	ACS. 9	ACS. 6,101	RS. 155	
	Arlagudem reserved forest.	1888 ..	* 6,136	6,136	..	6,136	152	
	Gogubaka reserved forest.	1887 ..	1,666	..	..	..	5	
	Total, Bhadráchalam ..	..	13,894	12,246	9	12,237	312	
Marrigudem range.	Repaka reserved forest	1887 ..	7,000	7,000	..	7,000	140	
	Ramachandram do.	1887 ..	10,800	10,800	..	10,800	180	
	Tatlanka do.	1887 ..	12,000	12,000	17	11,983	180	
	Total, Marrigudem ..	..	29,300	29,300	17	29,283	500	
Rekapalli range.	Mattapalli reserved forest.	1887 ..	9,500	9,500	125	9,375	200	
	Rekapalle hills reserve	1901 ..	5,980	6,000	6,000	..	208	
	Compartment No. I.							
	Rekapalle hills reserve	1902 ..	..	6,000	900	5,100	168	
	Compartment No. X.							
	Pulsemanidi reserved forest.	1902 ..	..	4,520	103	4,417	70	
	Total, Rekapalle ..	..	15,480	26,020	7,128	18,892	646	
	Total for the Sub-division.	..	58,674	67,566	7,154	60,412	1,458	
Rajahmundri range.	Devancheruvu reserved forest.	1887 ..	2,051	2,051	..	2,051	..	
	Kovida reserved forest.	1889 ..	1,280	1,280	..	1,280	16	
	Murari do.	1889 ..	700	700	..	700	16	
	Sudikonda do.	1887 ..	6,880	6,880	752	6,128	31	
	Tirumalayapalem reserved forest.	1887 ..	5,150	5,150	112	5,038	47	
	Mallavaram reserved forest.	1887 ..	7,600	7,600	85	7,515	32	
	Molleru reserved forest..	1887 ..	8,250	8,250	128	8,122	30	
	Lakkonda do.	1887 ..	13,104	13,104	800	12,304	57	
	Total, Rajahmundri ..	..	45,015	45,015	1,877	43,138	229	
Peddápuram range.	Thotapalli reserved forest.	1890 ..	2,150	2,150	..	2,150	32	
Yernagúdem range.	Jilugumalli reserved forest.	1898 ..	3,318	3,318	..	3,318	45	
	Beddadaivole reserved forest.	1890 ..	14,999	15,000	72	14,928	185	
	Marlagudem reserved forest.	1890 ..	2,100	2,100	..	2,100	99	
	Barrinkalapadu reserved forest.	1898 ..	1,650	1,650	..	1,650	22	
	Fire tracing the Northern boundary of the reserves adjoining Hyderabad.						22	
	Total, Yernagúdem ..	..	22,067	22,068	72	21,996	373	
Ellore range.	Barrikonda reserved forest.	1888 ..	4,010	4,010	..	4,010	64	
	Bandamcherla reserved forest.	1888 ..	5,200	5,200	..	5,200	80	
	Erraguntapalli reserved forest.	1888 ..	8,640	8,640	..	8,640	112	
	Fire tracing the portion along the Hyderabad boundary of Erraguntapalli and Barrikonda reserves.						17	
	Total, Ellore ..	..	17,850	17,850	..	17,850	273	
	Total for the main division.	..	87,082	87,082	1,949	85,134	907	
	Total, Gódavari district..	..	145,756	154,649	9,103	145,546	2,365	
Kistna— (Special)—	Kondapalli reserve compartments 2, 3, 6, 9, 11 and 12.	1884-85 ..	20,722	8,900	1,500	7,400	188	
	Tadepalli reserve ..	1889-90 ..	1,150	2,305	18	2,287	23	
	Kondavid reserve ..	1888-89 ..	4,417	12,857	100	12,757	45	
	Venkatayapalem reserve compartments 1, 2 and 3.	1894-95 ..	15,525	15,588	..	15,588	136	
	Gangalakunta reserve ..	1890-91 ..	17,659	24,461	37	24,424	132	
	Pasvimula reserve ..	1892-93 ..	10,154	10,158	..	10,158	87	
	Total, Special ..	..	† 69,627	74,269	1,655	72,614	611	

* Revised figure.

† Incorrectly entered in the return as 69,577.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	<i>Northern Circle—cont.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
(General)—	Bollapalli reserve compartments 1 to 6.	1885-86 ..	18,584	18,584	..	18,584	Nil.	
	Tadepalli reserve ..	..	1,155	1,155	..	1,155		
	Kondaivid reserve ..	..	8,387	8,400	..	8,400		
	Venkatayapalem reserve.	..	24,978	24,978	..	24,978		
	Pasvemula reserve ..	..	8,217	8,217	..	8,217		
	Total, General ..	..	61,321	61,334	..	61,334	..	
	Total, Kistna (Special and General).	..	130,948	135,603	1,655	133,948	611	
Kurnool— (Special).	North and South Bairluti blocks.	1887 ..	..	17,152	10,500	6,652	195	
	"A" block	1889 ..	2,000	7,576	1,640	5,936	390	
	South Chelama	1891 ..	..	8,138	200	7,938	524	
	South Chelama Addition ..	1894 ..	..	4,019	..	4,019	70	
	Gummakonda	1893 ..	5,680	7,680	413	7,267	181	
	Diguvametta	1891 ..	645	785	..	785	68	
	Zangambavi	1891 ..	113	113	..	113	37	
	Western Veligonda block.	1889 ..	17,780	17,780	420	17,360	90	
	Chelama Improvement felling block.	1895 ..	1,980	2,000	600	1,400	57	
	Fire tracing Railway line.	..	..	..	..	..	228	
	Gazulapalli Railway felling coupe.	1902 ..	..	* ..	..	..	12	
	Chelama Railway felling coupe.	1902 ..	..	269	4	265	46	
	Cambam Railway felling coupe.	1902 ..	..	1,200	..	1,200	157	
	Total, Kurnool (Special).	..	28,198	66,712	13,777	52,935	2,055 + 11 (a)	
Bellary— (Special)— Sandūr range. Adōni range. Bellary range. Kudligi range. Harpanahalli range.	Ramandrug	1883 ..	10,281	14,785	2,462	12,323	1,593	
	North-East range ..	1883 ..	14,910	16,010	8,592	7,418		
	Donimalai	1883 ..	9,205	9,205	4,960	4,245		
	Tornagal	1898-99 ..	48	50	..	50		18
	Kuppigal	1892-93 ..	497	500	3	497		31
	Tungabhadra	1892-93 ..	† 80	84	..	84	20	
	Malapanagudi	1886-87 ..	1,066	1,066	6	1,060	48	
	Chiribi (Main)	1899-1900	4,380	4,380	..	4,380	50	
	Hyrada coupes	1899-1900	2,616	2,616	1,500	1,116	23	
	Total, Bellary (Special) ..	..	43,083	48,696	17,523	31,173	1,783	
Anantapur— (Special).	Muchukota	1884 ..	7,000	7,000	..	7,000	233	
	Kottakota	1884 ..	10,873	11,016	15	11,001	268	
	Total, Special ..	..	17,873	18,016	15	18,001	501	
(General)..	Kojjapalli †	1889 ..	342	342	..	342	18	
	Anantapur †	1889 ..	129	129	..	129	18	
	Durgam	1894 ..	3,640	3,640	..	3,640	18	
	Amagondapaliem	1884 ..	14,160	15,360	900	14,460	28	
	Gopidevarapalli	1891 ..	1,884	1,884	..	1,884	..	
	Nyalakota	1890 ..	8,516	12,156	3	12,153	28	
	Dokkalakonda	1898 ..	7,420	7,420	..	7,420	..	
	Guttur West	1887 ..	3,500	3,880	525	3,355	28	
	Kekathi	1898 ..	1,235	1,235	..	1,235	6	
	Total, General ..	..	40,826	46,046	1,428	44,618	144	
	Total, Anantapur (Special and General).	..	58,699	64,062	1,443	62,619	645	
	Total, Northern Circle (Special).	..	184,117	250,403	33,010	217,393	5,696	
	Total, Northern Circle (General).	..	374,901	478,242	31,189	447,053	3,406	
	Grand Total, Northern Circle.	..	559,018	728,645	64,199	664,446	9,102	

* Area included in "A" block.

† Revised figure.

(a) Added as per Accountant-General's audited figures.

‡ Transferred from special to general protection.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	<i>Central Circle.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
Cuddapah	Kodur reserve ..	1871 ..	7,440	7,440	1,100	6,340	185	
	Settigunta do. ..	1874 ..	8,950	8,950	1,010	7,950	167	
	Thunukonda do. ..	1867-73-90	1,048	1,048	1	1,047	79	
	Seshachellam and its addition reserve ..	1887 ..	* 176,200	176,200	8,244	167,956	1,365	
	Vattalur ..	1881 ..	2,880	2,880	7	2,873	49	
	Nigadi ..	..	* 14,000	14,000	1,928	12,072	151	
	Kondakomerla ..	1890 ..	3,700	..	..	..	4	
	Tummalamala ..	1881 ..	* 8,500	..	..	..	15	
	Kokkantay ..	..	2,000	..	..	..	4	
	Tsadukonda ..	..	2,200	2,200	..	2,200	37	
	Modugamala ..	..	1,400	..	..	..	..
	Horsleykonda ..	..	9,630	9,630	..	9,630	87	
	Nurukuppalakonda ..	..	3,600	..	..	..	12	
	Yellutla ..	..	3,500	..	..	..	3	
	Ankalammakonda ..	..	2,000	..	..	..	7	
	Gorantlapalli ..	..	4,000	..	..	..	10	
	Lankamalais ..	1883 ..	* 7,000	7,000	5,260	1,740	627	
	Guvvalacheruvu ..	1883 ..	7,600	..	..	..	..
	Rekkalukonda ..	1887 ..	1,200	..	..	..	4	
	Urukonda ..	1881 ..	2,000	..	..	..	3	
	Gadikota ..	1883 ..	* 12,480	12,480	320	12,160	123	
	Sibyala ..	1887 ..	3,500	..	..	..	14	
	Kanamalapalli ..	..	* 4,435	..	..	..	20	
	Tsundupalli ..	..	3,000	..	..	..	..
	Kothukotu Dasarapalli ..	1883-85-89-91	* 51,200	51,200	12,825	38,375	682	
	Diguva Kalvatalu ..	1881 ..	858	..	..	..	2	
	Dhodyam ..	..	1,345	..	..	..	2	
	Kodur, Malamedikum-bhole dinne.	..	1,366	..	..	..	2	
	Gandikota ..	..	372	..	..	..	2	
	Zamavaram ..	..	200	..	..	..	6	
	Kosinipalli ..	..	730	..	..	..	2	
	Bhanukotamala ..	..	750	..	..	..	2	
	Niduguvvi ..	..	696	..	..	..	2	
	Yerrakonda extension ..	1899 ..	* 32,000	32,000	2,640	29,360	133	
	Palakonda old reserve ..	1901 ..	* 25,300	25,300	266	25,034	515	
	Upparapalli, Kodur, Rid-dipalli, Pullampet and Mittanudipalli plantations.	..	1,700	1,700	..	1,700	..	
	Total, Cuddapah (General).	..	408,790	352,038	33,601	318,437	4,316	
		
Nellore	Udayagiri-Veligonda in Udayagiri range.	1883 ..	60,000	60,000	49	59,951	462	
	Rapur-Veligonda in Rapur range.	1883 ..	* 30,720	30,720	2,780	27,940	347	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri Veligonda.	1883 ..	26,780	26,780	10	26,770	292	
	Udayagiri Durgam hill and Karisakonda in Udayagiri range.	1902 ..	..	15,760	..	15,760	51	
	Total, Nellore (General).	..	117,500	133,260	2,839	130,421	1,152	
Chingleput..	Maiyur ..	1900-1901.	283	283	..	283	451	
	Karanguli tope ..	1900-1901.	16	16	..	16		
	Kambakkam *	1883-84 ..	15,879	15,879	50	15,829		
	Nagalapuram *	1883-84 ..	9,632	9,632	30	9,602		
Trivallūr ..	Total, Chingleput (General).	..	25,810	25,810	80	25,730	{ 451 + 85 (a)	

* The difference between the closing balance of the previous year and the opening balance of the year under report has not been explained.

(a) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	<i>Central Circle—cont.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
North Arcot —cont	Paradarani	1880 ..	13,402	13,402	..	13,402	60	
Special protection.	Irala A and B	1888 ..	15,622	12,531	26	12,505	128	
	Chittaparai	1888 ..	4,250	4,250	..	4,250	41	
	Cheelapalli	1884 ..	1,166	1,166	..	1,166	16	
	Mahimandalam	1888 ..	2,502	2,528	..	2,528	12	
Chittoor	Pachigunta	1888 ..	1,800	1,800	..	1,800	19	
	Veerasettipalli	1888 ..	4,633	7,287	..	7,287	28	
	Puthalapatt	1891 ..	3,077	3,077	..	3,077	19	
	Parappumalai	1899 ..	2,227	2,227	..	2,227	39	
	Tavanampalli	1899 ..	1,862	1,862	..	1,862	36	
	Kinatipalli	1884 ..	1,417	1,417	..	1,417	13	
	Total, Chittoor .. ..	..	51,958	51,547	26	51,521	411	
	Napier	1880 ..	8,380	8,326	41	8,785	308	
	Mamandur	1874 ..	1,776	1,760	..	1,760	135	
	Do. extension	1888 ..	8,000	10,291	..	10,291	164	
	Mungilpat	1890 ..	22,697	27,744	40	27,704	92	
Chendragiri.	Panapakam	1880 ..	6,390	17,318	..	17,318	112	
	Chamala	1880 ..	9,600	19,142	33	19,109	219	
	Nagapatla	1890 ..	8,209	18,912	38	18,874	84	
	Tirupati hill	1888 ..	15,880	18,554	2,240	16,314	172	
	Tirupati extension A and B	1891 ..	5,836	6,298	..	6,297	45	
	Panapakam extension	1892 ..	9,730	9,081	..	9,082	3	
	Chandragiri hill *	1892 ..	983	1,293	..	1,293	2	
	Total, Chandragiri .. ..	..	97,481	139,219	2,392	136,827	1,336	
	Peddanaigdrug	1880 ..	13,966	14,419	37	14,382	98	
	Mordana	1884 ..	11,593	11,655	3	11,652	89	
	Charagal	1888 ..	18,185	18,285	343	17,942	95	
Palmanér	Peddur	1880 ..	16,445	16,526	720	15,806	104	
	Naickaneri	1880 ..	6,800	6,840	135	6,705	57	
	Musilnadugu	1884 ..	4,915	5,542	..	5,542	147	
	Palmanér	1892 ..	6,449	6,451	..	6,451	56	
	Peddur extension	1895 ..	10,605	10,605	1	10,604	5	
	Total, Palmanér .. ..	..	88,958	90,323	1,239	89,084	651	
	Panamadangi	1887 ..	10,512	10,515	..	10,515	18	
	Naickaneri	1884 ..	4,454	5,154	..	5,154	41	
	Mordana	1884 ..	12,159	12,159	..	12,159	37	
	Ambur drug	1884 ..	10,139	10,139	..	10,139	62	
	Mordana extension	1891 ..	8,344	9,094	243	8,851	23	
Gudiyáttam.	Gundlapalli	1894 ..	7,354	7,354	..	7,354	33	
	Do. extension	1894 ..	928	928	..	928	4	
	Sayanagunta	1891 ..	6,400	7,352	..	7,352	20	
	Kanjanur	1893 ..	1,549	1,549	4	1,545	16	
	Karapet	1892 ..	8,000	8,000	..	8,000	70	
	Paradarami extension	1889 ..	1,888	1,888	..	1,888	13	
	Total, Gudiyáttam .. ..	..	71,727	74,132	247	73,885	337	
	Arasampattu	1887 ..	17,640	17,890	519	17,371	130	
	Ambur fuel	1879 ..	5,453	5,453	..	5,453	35	
	Vellakal	1889 ..	5,037	5,037	1	5,036	59	
	Ambur block	1887 ..	27,878	27,878	..	27,878	109	
	Athiyur	1889 ..	4,800	4,800	155	4,645	37	
Vellore	Palamadi	1880 ..	6,256	8,160	203	7,957	85	
	Thellai (Vellore portion)	1891 ..	1,180	1,330	5	1,325	34	
	Karuthamalai	1882 ..	20,437	20,487	..	20,487	47	
	Kylasagiri	1892 ..	2,234	2,534	85	2,449	81	
	Kaniambadi	1892 ..	5,422	5,472	17	5,455	14	
	Sanankuppam	1893 ..	13,598	13,843	1	13,842	51	
	Appukal	1892 ..	800	800	..	800	30	
	Total, Vellore .. ..	..	110,735	113,684	986	112,698	712	

* Transferred from general to special protection.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot— cont. Special protec- tion—cont.	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Pólúr	Karnatighur	1881 ..	6,670	7,270	..	7,270	240	
	Malayalam	1887 ..	28,558	28,614	154	28,460	166	
	Mulakad	1890 ..	15,658	15,744	12	15,732	134	
	Santavasal	1890 ..	9,580	9,670	33	9,637	55	
	Periyamalai	1892 ..	6,370	6,970	155	6,815	56	
	Paruvadamalai	1892 ..	5,769	5,779	15	5,764	37	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	..	14,862	32	
	Vellimalai	1893 ..	1,967	2,003	..	2,003	16	
	Kelur	1884 ..	2,989	2,989	50	2,939	7	
	Virappanur	1886 ..	31,469	31,469	..	31,469	27	
	Puttur	1879 ..	18,458	18,458	..	18,458	55	
	Total, Pólúr .. ..	..	142,350	143,828	419	143,409	825	
Arcot- Walajah.	Banavaram	1880 ..	1,021	1,021	5	1,016	15	
	Punganur	1884 ..	12,628	13,498	1,430	12,068	111	
	Ammur	1884 ..	4,438	5,139	..	5,139	54	
	Total, Arcot-Walajah .. ..	..	17,987	19,658	1,435	18,223	180	
General protection—	Total, Special, North Arcot.	..	581,196	632,391	6,744	625,647	4,452	
Chittoor	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Basavapalli	1888 ..	1,784	1,784	..	1,784	..	
	Bommasamudram	1891 ..	1,172	1,172	..	1,172	..	
	Vadilatata	1891 ..	2,495	2,495	..	2,495	..	
	Chittoor	1882 ..	385	385	..	385	..	
	Bommasamudram extension.	1892 ..	1,312	1,312	15	1,297	..	
	Kinatipalli extension ..	1893 ..	1,020	1,020	..	1,020	..	
	Basavapalle do. ..	1894 ..	841	841	..	841	..	
	Reddigunta	1893 ..	1,441	1,441	..	1,441	..	
	Chase's hill	1893 ..	2,692	2,692	..	2,692	..	
	Iralla extension	1893 ..	2,650	2,649	..	2,649	..	
	Penunur	1891 ..	1,082	1,082	..	1,082	..	
	Penamur extension ..	1893 ..	3,392	3,123	..	3,123	..	
	Santhapet do. ..	1893 ..	482	482	..	482	..	
	Total, Chittoor .. ..	..	22,896	22,626	15	22,611	..	
Chandragiri.	Sanambatla *	1892 ..	4,988	5,139	13	5,126	..	
	Pakala A and B	1894 ..	2,170	2,035	..	2,035	..	
	Napier extension	1900 ..	26	26	..	26	..	
	Penamur	1893 ..	1,015	1,350	..	1,350	..	
	Padipatlabylu *	1880 ..	4,295	4,295	..	4,295	..	
	Damancherla *	1892 ..	2,367	2,367	..	2,367	..	
	Total, Chandragiri .. ..	..	14,861	15,212	13	15,199	..	
Palmanér	Basavareddipalli	1884 ..	5,952	5,952	..	5,952	..	
	Palmanér plantation ..	1884 ..	2	2	..	2	..	
	Nagamangalam do. ..	1884 ..	20	20	..	20	..	
	Muduguvaripalli do. ..	1884 ..	4	4	..	4	..	
	Venkatagirikota	1884 ..	9	9	..	9	..	
	Baireddipalli plantation ..	1884 ..	4	4	..	4	..	
	Melmoyi	1884 ..	1,568	1,568	..	1,568	..	
	Jangalapalle	1884 ..	3,034	3,034	25	3,009	..	
	Pattikonda	1893 ..	5,190	5,190	..	5,190	..	
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875	..	
	Basavareddipalli A ..	1895 ..	2,170	2,170	..	2,170	..	
	Do. B	1895 ..	5,792	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	7,705	7,705	..	7,705	..	
	Veerlabunda	1895 ..	2,511	2,511	..	2,511	..	
	Thotakanama	1895 ..	5,497	4,710	..	4,710	..	
	Total, Palmanér .. ..	..	43,362	42,675	25	42,550	..	
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	431	..	431	..	
	Virinjipuram do. ..	1884 ..	260	260	..	260	..	
	Cheyur do. ..	1884 ..	130	130	..	130	..	
	Ammundi do. ..	1884 ..	160	160	..	160	..	

* These blocks were shown in last year's return as being under special protection.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot —cont. General protec- tion—cont.	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gudiyáttam —cont.	Tandavaroygatta	1884 ..	3	3	..	3	..	
	Vikramasi	1884 ..	129	129	..	129	..	
	Pallalakuppam	1892 ..	6,732	6,822	..	6,822	..	
	Do. extensions							
	A. and B.	1893 ..	5,883	5,883	..	5,883	..	
	Bommanayakan Palaiyam.	1894 ..	913	913	..	913	..	
	Naickaneri extension*	1887 ..	1,468	1,568	..	1,568	..	
	Syagunta extensions A and B*	1892 ..	4,395	2,508	..	2,508	..	
	Kampasamudram A and B.*	1893 ..	1,414	1,414	..	1,414	..	
	Kallapady	1894 ..	6,945	6,945	..	6,945	..	
	Total, Gudiyáttam ..	..	28,863	27,166	..	27,166	..	
Pólúr	Arasampettu* .. ..	..	12,824	12,824	..	12,824	..	
	Amerdi plantation ..	1884 ..	25	25	..	25	..	
	Patrakad	1881 ..	25,214	25,254	80	25,174	..	
	Kappalur	1884 ..	1,424	1,504	..	1,504	..	
	Alialamangalam	1884 ..	10,027	10,027	..	10,027	..	
	Santavasal extension ..	1892 ..	331	331	15	316	..	
	Total, Pólúr ..	..	49,845	49,965	95	49,870	..	
Vellore	Ambúr plantation ..	1884 ..	6	6	..	6	..	
	Vellore*	1892 ..	1,913	2,413	80	2,333	..	
	Pallikonda*	1892 ..	3,898	3,898	28	3,870	..	
	Nellimalai*	1892 ..	2,797	2,797	..	2,797	..	
	Paravadamalai*	1892 ..	7,078	7,078	..	7,078	..	
	Total, Vellore ..	..	15,692	16,192	108	16,084	..	
Wandiwash.	Brahmankatteri	1884 ..	561	561	..	561	..	
	Kodiyalam	1884 ..	243	243	..	243	..	
	Badur	1884 ..	835	835	..	835	..	
	Vengunam	1884 ..	1,288	1,288	..	1,288	..	
	Nambedu	1884 ..	947	947	..	947	..	
	Vishamangalam	1884 ..	1,148	1,148	..	1,148	..	
	Ponnur	1884 ..	1,656	1,656	..	1,656	..	
	Nedungal	1884 ..	2,298	2,298	4	2,294	..	
	Nedungunam	1884 ..	1,697	1,697	..	1,697	..	
	Nambedu extensions A, B and C	1895 ..	397	397	..	397	..	
	Total, Wandiwash ..	..	11,070	11,070	4	11,066	..	
Arcot	Kilminnal plantation ..	1884 ..	150	150	..	150	..	
	Sannleri	1884 ..	1,675	1,675	..	1,675	..	
	Sathur	1884 ..	750	750	..	750	..	
	Tandappanthangal ..	1884 ..	1,100	1,100	..	1,100	..	
	Enadanadi	1884 ..	1,565	1,565	..	1,565	..	
	Solavaram	1884 ..	1,184	1,184	..	1,184	..	
	Do. extension	1895 ..	885	885	..	885	..	
	Tandappanthangal exten- sion	1895 ..	310	310	..	310	..	
	Total, Arcot ..	..	7,619	7,619	..	7,619	..	
Walajah	Vannivedu plantation ..	1884 ..	38	38	..	38	..	
	Arkonam do.	1884 ..	58	58	..	58	..	
	Gudulur	1884 ..	535	535	..	535	..	
	Ananthapuram	1880 ..	540	540	..	540	..	
	Ammanur	1880 ..	203	203	..	203	..	
	Kolattur	1884 ..	1,729	1,729	..	1,729	..	
	Head Assistant Collector's compound	1884 ..	4	4	..	4	..	
	Total, Walajah ..	..	3,107	3,107	..	3,107	..	
	Total, General, North Arcot .. ..	..	197,315	195,532	260	195,272	..	
	Total, North Arcot, Special and General .. ..	..	778,511	827,923	7,004	820,919	4,452	

* Shown in last year's return as being under "special" protection.

Area of Forest Tracts protected from Fire during 1901-1902--cont.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	<i>Central Circle—cont.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot (Special) protection—	Annamalai reserved forest.	1878	2,640	2,640	..	2,640	116	
	Kavuthimalai do. ..	1878	7,077	7,085	..	7,085	107	
	Tenmalai do. ..	1877	31,141	31,706	..	31,706		
	Nallapatti do. ..	1889	5,094	5,094	..	5,094		
	Pelamarudur do. ..	1889	5,075	5,075	..	5,075		
Tiruvannamalai.	Paramanandal do. ..	1895	1,517	1,517	60	1,457	325	
	Mudanai do. ..	1898	7,046	7,046	..	7,046		
	Valasamalai do. ..	1883-84	12,366	12,369	..	12,369	225	
	Nattampalli do. ..	1889	7,270	7,267	3	7,267	203	
	Perunkolattur - Swamimalai reserved forest.	1883-84	9,312	9,312	10	9,302	100	
Kallakurchi range.	Chinnasamudram reserved forest.	1900	2,842	2,842	1	2,841	35	
	Damarakadu reserved forest.	1900	5,725	5,950	..	5,950	106	
	Takarai reserved forest ..	1883-84	14,338	14,338	..	14,338	140	
	Total, South Arcot, (Special).	..	111,443	112,244	74	112,170	1,357 + 734(a)	
Salem, North (Special)	Alangayam	1891	2,082	2,400	..	2,400	39	
	Narasingapuram	1893	1,595	1,722	..	1,722	34	
	Kalarapatti	1895	1,840	1,840	..	1,840	34	
	Vellakuttai	1896	620	620	..	620	14	
	Punkulam coupes	1895-96	1,000	1,200	..	1,200	41	
Tirupattūr.	Mambakkam	1894	1,000	1,000	..	1,000	52	
	Andiappanur	1894	1,700	1,700	..	1,700	44	
	Govindapuram	1895	1,955	1,955	..	1,955	71	
	Madakadappa	1896	313	313	..	313	14	
	Singarapet coupe	1881	3,391	3,491	30	3,461	82	
Hosūr	Kottur (Elagiri)	1885	1,200	1,200	..	1,200	40	
	Onnakarai	1897	1,800	3,000	..	3,000	69	
	Kallavi .. ..	..	450	750	..	750	26	
	Burgur block	1892	2,000	2,000	..	2,000	24	
	Kottur do.	1883	2,350	2,350	..	2,350	60	
Salem, South (Special).	Neralkottai	1893	1,227	1,560	..	1,560	74	
	Maharajagadai	1896	1,275	1,626	..	1,626	56	
	Thogarapalli	1884	750	750	..	750	12	
	Mangalam	1901-1902	..	310	..	310	32	
	Melagiri	1885	5,431	5,461	51	5,410	78	
Salem, South (Special).	Kanavoikottapalli	1885	742	742	5	737	17	
	Gulhati	1885	3,248	3,248	..	3,248	54	
	Manchi	1885	3,255	3,255	70	3,185	24	
	Kemavanaigasamudram S.P.B.	1885	416	416	..	416	19	
	Jowlagiri	1900	4,628	5,160	1,525	3,635	24	
Salem, South (Special).	Neganur coupe	1900	252	252	5	247	14	
	Pannikaradu	1882	2,645	..	..	..	..
	Kurumbapatti	1897	4,060	6,445	216	6,229	288	
	Nugaramalai .. ..	..	..	..	..	..	..
	Kapputhoo	1897	1,000	1,470	..	1,470	..	
Salem, South (Special).	Manjavadi .. ..	..	..	..	..	..	..
	Velampatti	1902	..	..	..	..	..
	Vadugampatti	1881	1,974	..	..	..	..
	Morur block No. 2	1881	799	799	..	799	..	
	Ammanur block	1882	252	..	..	..	..
Salem, South (Special).	Pellapalli Kombai	1882	981	..	..	..	..
	Karuvattuparai	1883	837	..	..	..	..
	Atur ghaut coupes I to III	1900	504	937	250	687	149	
	Sher: W. Wg. Circle coupes I to III	..	..	..	..	..	..
	Kanjeri S.P.B.	1882	1,929	1,929	..	1,929	..	
Salem, South (Special).	Kuriappukombai	1897	181	181	..	181	..	
	Harur	1882	1,028	1,028	..	1,028	..	
	Mallapuram	1882	606	606	1	605	..	
	Kouramalai old coupe	1898	609	609	..	609	..	
	Mukkanur	1901	960	960	..	960	..	
Salem, South (Special).	Coupe No. 1 of Sherv N.W.C.	1902	..	600	..	600	..	
	Coupe No. 1 Kouramalai.	1902	..	340	..	340	..	
	Do. Chitteri S.W. Wg. Circle.	1902	..	450	..	450	..	
	Coupe No. 1 N.W.C.	1902	..	450	1	449	..	
	Do. Penniar Wg. Circle.	1902	..	240	..	240	..	

(a) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	<i>Central Circle—cont.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
Salem, South (Special)— <i>cont.</i>	Poyyappatti	1902 ..	..	108	..	108	..	
	Harur	1902 ..	..	50	..	50	..	
Hosūr Work- ing Circle.	Pattimedu old coupe ..	1902 ..	..	20	..	20	4	
	Do. new coupe ..	1902 ..	..	50	..	50	7	
	Panamudal do. ..	1902 ..	..	50	..	50	7	
	Do. old coupe ..	1902 ..	..	60	..	60	9	
	Mannur coupe ..	1902 ..	..	136	..	136	11	
	Nagalur do. ..	1902 ..	..	60	..	60	9	
	Total, Special, Salem ..	..	62,825	65,899	2,154	63,745	1,836 + 23 (a)	
* Trichino- poly (General)—	Sengattupatti	1885-86 ..	3,000	3,000	..	3,000		
	Manmalai	1887-88 ..	5,596	6,000	5	5,995		
Musiri ..	T. Kanapadi	1887-88 ..	12,000	12,000	..	12,000		
	Karuppan Kadu Thittu ..	1886-88 ..	2,000	2,000	..	2,000		
	Mélur	1885-86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887-88 ..	10,000	10,000	3	9,997		
	Palamalai	1888-89 ..	10,000	10,000	..	10,000		
	Kalamankoil Thittu ..	1889-90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai ..	1889-90 ..	2,560	2,560	..	2,560		+ 146
Perambalur	Manalodai	1885-86 ..	5,000	5,000	..	5,000		
	Sholamathi	1885-86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889-90 ..	1,600	1,600	..	1,600		
	Puliyur	1890-91 ..	9,996	10,000	1	9,999		
	Sengathur	1890-91 ..	10,000	10,000	60	9,940		
	Valaiyur	1900-1901 ..	1,655	1,655	40	1,615		
	Arasadi Arinittu	1900-1901 ..	2,000	2,000	..	2,000		
	Pulambadi No. I	1900-1901 ..	2,884	2,884	..	2,884		
	Total, Trichinopoly (General).	..	88,791	89,199	109	89,090	+ 146	
Tanjore ..	Tanjore .. ..	..	..	..	..	..	..
	Total, Special, Central Circle.	..	755,464	810,534	8,972	801,562	8,402	
	Total, General, Central Circle.	..	832,206	795,839	36,889	758,950	6,150	
	Grand Total, Central Circle.	..	1,593,670	1,606,373	45,861	1,560,512	14,552	
	<i>Southern Circle.</i>							
† South Canara (Special)—	Sarapanamane	1886-87 ..						
	Savantagadde	1896-97 ..	795	796	..	796	39	
Coondapoor	Honnukodlu	1894-95 ..	584	584	..	584	31	
	Herur	1893-94 ..	2,811	2,884	22	2,862	34	
	Talaburane	1895-96 ..	611	611	..	611	31	
	Chittur	1895-96 ..	2,219	2,234	..	2,234	9	
	Kadike	1895-96 ..	2,689	2,735	200	2,535	..	
	Karnigadde	1895-96 ..	1,161	1,161	..	1,161	31	
	Total, Coondapoor ..	..	10,870	11,005	222	10,783	175	
Udipi ..	Chinkramale	1885-86 ..	2,550	2,560	30	2,530	37	
	Tenkahola	1886-87 ..	2,039	2,039	..	2,039	32	
	Mavinakodlu	1895-96 ..	1,625	1,627	..	1,627	35	
	Huvakladi	1895-96 ..	1,276	1,280	6	1,274	30	
	Jatkatmale	1897-98 ..	1,384	1,386	1	1,385	26	
	Durgamale	1897-98 ..	1,600	1,601	34	1,567	30	
	Total, Udipi ..	..	10,474	10,493	71	10,422	190	
Mangalore	Munjimale	1894-95 ..	3,080	3,200	150	3,050	20	
	Todar	1889-90 ..	428	458	..	458	25	
	Hospet	1889-90 ..	374	376	6	370	27	
	Naninjemale	1897-98 ..	1,399	1,459	80	1,379	30	
	Total, Mangalore ..	..	5,281	5,493	236	5,257	102	

* These blocks were in former years protected by fire lines and patrols. Since 1893-94 no money has been spent on fire lines, as the Conservator and the District Forest-officer considered them unnecessary.

† This sum represents the amount paid to Malayalis on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forests safe from fire. Besides the area entered in column 6, a very insignificant fire which burnt 2 cents. of and occurred in the Mélur reserved forest.

‡ The difference between the closing balance of the previous year and the opening balance of the year under report in respect of many of the forest tracts has not been explained.

(a) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Canara (Special)—cont.	<i>Southern Circle—cont.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
	Dharmastala	1887-88 ..	4,997	4,997	499	4,498	89	
	Mujur	1901-1902. ..	..	10,106	51	10,055	71	
	Miyar	1901-1902. ..	..	17,533	58	17,475	84	
Uppinangadi	Kombai	1901-1902. ..	..	9,396	25	9,371	57	
	Kidu	1901-1902. ..	..	6,414	51	6,363	57	
	Konaji	1901-1902. ..	..	6,632	77	6,555	20	
	Total, Uppinangadi ..	..	4,997	55,078	761	54,317	378	
Puttur	Parappa	1896-97 ..	2,560	2,560	10	2,550	53	
	Kanakamajal	1899-1900. ..	2,249	2,249	..	2,249	20	
	Pumale	1897-98 ..	3,840	3,840	..	3,840	59	
	Jalsur block (felled area).	1900-1901. ..	5,120	5,120	..	5,120	52	
	Total, Puttur ..	..	13,769	13,769	10	13,759	184	
South Canara (General.)—	Total, Special ..	..	45,391	95,838	(b) 1,300	94,538	1,029	
	Sabladi	1884-85 ..	208	208	..	208	6	
	Kasanakatte	1893-94 ..	262	262	..	262	16	
	Herkur	1893-94 ..	858	858	..	858	18	
Coondapoor.	Darlegudde	1893-94 ..	168	168	..	168	6	
	Mudaragudde	1893-94 ..	356	356	..	356	13	
	Abbigudde	1897-98 ..	1,434	1,434	..	1,434	32	
	Baindur	1897-98 ..	5,709	5,795	..	5,795	7	
	Total, Coondapoor ..	..	8,995	9,081	..	9,081	98	
	Pilarkan	1883-84 ..	320	320	..	320	..	
	Manaje	1886-87 ..	423	423	..	423	11	
	Jaravattu	1894-95 ..	417	418	..	418	6	
Udipi	Hale Someshwar	1895-96 ..	1,895	1,895	..	1,895	10	
	Mensinkan	1896-97 ..	983	1,008	..	1,008	6	
	Matkalgudde	1897-98 ..	251	251	1	250	4	
	Total, Udipi ..	..	4,289	4,315	1	4,314	37	
	Veerakamba	1897-98 ..	1,683	1,683	9	1,674	34	
	Kalanjimala	1898-99 ..	3,049	3,049	120	2,929	17	
Puttur	Panja	1901-1902. ..	..	2	..	2	1	
	Goonadka	1901-1902. ..	..	2	..	2	10	
	Kilarmale	1901-1902. ..	..	100	..	100	6	
	Total, Puttur ..	..	4,732	4,836	129	4,707	68	
	Total, General ..	..	18,016	18,232	130	18,102	203	
	Total, South Canara (Special and General).	..	63,407	114,070	(b) 1,430	112,640	1,232+*22	
North Malabar—Special	Begur	1882-83 ..	2,500	5,166	6	5,160	† 406	
	Kurehyat	1887-88 ..	6,025	6,025	..	6,025	† 428	
	Kanoth plantations ..	1894-95 ..	264	264	..	264	† 55	
	Total, Special ..	..	8,789	11,455	6	11,449	889	
	Begur	1882-83 ..	12,776	12,776	..	12,776	..	
	Tirunelli	1894-95 ..	5,473	5,473	..	5,473	..	
General	Kurehyat	1887-88 ..	11,929	12,029	..	12,029	..	
	Mavanhulla	1894-95 ..	12,576	12,576	..	12,576	..	
	Rampur	1894-95 ..	18,854	18,854	..	18,854	..	
	Peria	1894-95 ..	6,400	6,400	..	6,400	..	
	Total, General ..	..	68,008	68,108	..	68,108	..	
	Total, North Malabar (Special and General).	..	76,797	79,563	6	79,557	889 —10 (a)	
South Malabar (Special)—	Amarampalem reserve ..	1860-61 ..	468	468	..	468	80	
	Chathamborai do. ..	1872-73 ..	700	624	..	624	148	
Nilambur Range.	Teak plantations ..	1842-43 ..	3,517	† 3,516	..	3,516	736	
	Edakode natural forests ..	1898-99 ..	200	400	..	400	32	
	Arimbrakutti mala do. ..	1899-1900. ..	300	322	..	322	52	
	Total, Nilambur Range.	..	5,185	5,330	..	5,330	1,048	

* Sundries.

† Includes also the cost of protecting the area under general protection.

‡ Deducted 76 acres being the area of rivers.

Due to revised estimate of area.

(a) Deducted as per Accountant-General's audited figures.

(b) In column 25 of the Government of India abstract printed at page 21 of the report, an area of 742 is reported to have been burnt. The discrepancy has not been explained.

Area of Forest Tracts protected from Fire during 1901-1902—cont.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901-1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Malabar (Special)— cont. Amarampalam Range.	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Karimpaya reserve ..	1884-85 ..	4,240	* 3,955	..	3,955	249	
	Nellikutta do. ..	1883-84 ..	1,824	1,824	..	1,824	128	
	New Amarampalam reserve ..	1889-90 ..	75,000	75,000	..	75,000	196	
	Kariem mariem forest ..	1901-1902.	..	2,716	..	2,716	295	
	Total, Amarampalam Range.	..	81,064	83,495	..	83,495	868	
Palghat Range.	Walayar reserve ..	1873-74 ..	3,017	† 3,014	..	3,014	‡ 307	
	Chenat Nair do. ..	1884-85 ..	15,203	15,203	..	15,203	429	
	Tamparalli pottai do. ..	1891-92 ..	124	124	..	124	15	
	Dhoni do. ..	1898-99 ..	45	45	..	45	14	
	Pullampalli tope reserve.	1900-1901.	20	20	..	20	5	
	Total, Palghat Range ..	..	18,409	18,406	..	18,406	770	
	Total, South Malabar (Special).	..	104,658	107,231	..	107,231	2,686	
The Nilgiris (Special).	Mudumalai teak plantation.	1883 ..	25	25	..	25	783	
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Marigudi block ..	1888 ..	2,781	2,781	475	2,306		
	Marigudi blocks Nos. IV and V.	1898 ..	2,686	2,686	..	2,686	419	
	Moyar reserved forest (east)	1886 ..	1,152	4,000	1,000	3,000		
	Northern hay sandalwood plantation.	1883 ..	22	22	..	22		
	Sandalwood tracts in Sigur reserved forest.	1899 ..	1,240	1,240	..	1,240		
	Chemunguli ..	1883 ..	25	25	..	25	220	
	Aranakal ..	1883 ..	9	9	..	9		
	Governor's shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi ..	1883 ..	17	17	..	17		
	Upatti ..	1883 ..	12	12	..	12	441	
	Sheffield ..	1883 ..	25	25	..	25		
	Culli ..	1883 ..	17	17	..	17		
	Chowghat Culli ..	1883 ..	26	26	..	26		
	Madana ..	1883 ..	8	8	..	8		
	Baikie ..	..	50	50	..	50	..	
	Arambi ..	..	430	430	..	430		
	Marlimund ..	..	11	11	..	11		
	Cairn hill ..	..	405	405	..	405		
	Muthanad ..	1898 ..	80	80	..	80		
	Kallar reserve ..	1883 ..	919	919	..	919	..	
	Burliyar ..	1883 ..	178	178	..	178		
	Ghaut reserve ..	1883 ..	247	247	..	247		
	Coonoor peak ..	1883 ..	259	259	..	259		
	Bandishola ..	1883 ..	111	111	..	111		
	Sim's park block No. I ..	1883 ..	48	48	..	48	..	
	Blackbridge ..	1883 ..	40	40	..	40		
	Little Rallia ..	1883 ..	10	10	..	10		
	Newman ..	1883 ..	35	35	..	35		
	Rallia ..	1883 ..	60	60	..	60		
	Long wood addition ..	1885 ..	350	350	..	350	..	
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640		
	Bleak house ..	1899 ..	57	57	..	57		
	Spring field ..	1899 ..	30	30	..	30		
	Sim's park, No. II. ..	1899 ..	36	36	..	36		
	Total (Special) ..	..	12,340	15,188	1,475	13,713	1,813	

* Includes 481 acres of teak plantation which were erroneously added to the area of the reserve.
 † Three acres given to the Madras Railway Company.

in South Coimbatore.

‡ This is exclusive of charges for April, May and June 1902 incurred

Area of Forest Tracts protected from Fire during 1901-1902—cont.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901-1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
The Nilgiris— cont.	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Ulnad	1883 ..	839	839	..	839		
	Mukurti	1888 ..	1,324	1,324	..	1,324		
	Kururmand	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbetta	1886 ..	1,668	1,668	..	1,668		
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Karpakan	1886 ..	391	391	..	391		
	Vellingiri	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yumuakal	1886 ..	465	465	..	465		
	Hiriashige	1887 ..	3,026	3,026	..	3,026		
	Thiashola	1885 ..	1,551	1,551	..	1,551		
	Muthinad	1883 ..	340	340	..	340		
	Bikkapatti	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
(General)—	Nilgiri Peak .. .. .	..	5,962	5,962	..	5,962	372	
	Chinnacoonoor	1894 ..	14	14	..	14		
	Kengal .. .. .	..	14	14	..	14		
	Kadanad	1895 ..	40	40	..	40		
	Huppatti .. .. .	..	491	491	..	491		
	Kaguehi .. .. .	..	475	475	..	475		
	Idubatti .. .. .	..	15	15	..	15		
	Bathri shola	1884 ..	34	34	..	34		
	Dodabetta .. .. .	..	758	758	..	758		
	Jakuntha .. .. .	..	373	373	..	373		
	Honnathalai .. .. .	..	320	320	..	320		
	Keraiyada .. .. .	..	276	276	..	276		
	Kengadu .. .. .	..	451	451	..	451		
	Brookland .. .. .	..	177	177	..	177		
	Lovedale (east) .. .. .	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Black bridge	1883 ..	350	350	..	350		
	Devashola, north and south.	1883 ..	211	211	..	211		
	Total (General) .. .. .	..	74,176	74,176	..	74,176	372	
	Total, The Nilgiris, Special and General.	..	86,516	89,364	1,475	87,889	2,185	
Coimbatore (North)— (Special).	Hassanur sandalwood compartment—Satyamangalam Range.	1895-96 ..	2,096	2,096	..	2,096	139	
	Bailur sandalwood compartment — Kollegal Range.	1895-96 ..	1,726	1,726	..	1,726	187	
	Udaiyarpalaiyam sandalwood compartment—Kollegal Range.	1895-96 ..	1,500	1,500	..	1,500	110	
	Jadathadi hulla sandalwood compartment—Kollegal Range.	1895-96 ..	176	176	..	176	56	
	Badagalli sandalwood compartment — Talamalai Range.	1896-97 ..	644	644	600	44	15	
	Talamalai sandalwood compartment — Talamalai Range.	1897-98 ..	582	582	..	582	43	
	Talamalai reserve	1901-1902.	..	51,200	1,550	49,650	553	
	Total, Coimbatore (North), (Special).	..	6,724	57,924	2,150	55,774	1,103	
Coimbatore (South) (Special)— Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	26,114	26,374	..	26,374	895	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,880	2,880	..	2,880	362	
Udamalpet ..	Dhali block	1883-84 ..	485	485	..	485	53	
Mettupalaiyam.	Singaratope Working Circle of Odanthorai block.	1891-92 ..	777	777	2	775	137	

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901-1902.			Cost during the season.	Remarks.	
				Area attempted to be protected.	Fires.	Actually protected.			
1	2	3	4	5	6	7	8	9	
Coimbatore (South)— (Special)—cont.	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.		
Bolampatti	Sholakarai. } In Bolam-	1883-84.	757	1,157	6	1,151	898		
	Thenkaradu. } patti		293	393	..	393			
	Keerapatti. } block I.		2,160	2,260	25	2,235			
	Oratti ..		1,136	1,136	..	1,136			
	Kuchimalai. } In Bolam-		1,545	1,545	100	1,445			
	Noyel ..		10,920	10,920	..	10,920			
	Velliyangiri. } patti		5,217	5,240	4	5,236			
	Varadimudi. } block II.		7,960	7,960	22	7,938			
	In Bolam-								
	patti block								
	Kanavarai .. } III and	1873-74 ..	13,865	13,880	139	13,741			
	portions of blocks II and IV.								
	Walayar reserve * ..		3,017	3,017	..	3,017			
	Total, Coimbatore (South), (Special).	..	77,126	78,024	298	77,726	2,345		
(General)									
Tunacadavu and Pollachi.	Tunacadavu reserve No. I	..			574				
Pollachi ..	Punachi reserve No. II.	..	255,874	256,544	..	255,270	..		
Udamalpet ..	Amravati ,, ,, III.	..			..
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..			700				
Bolampatti.	Bolampatti ,, No. I	..			19				
	Do. ,, ,, II.	..			2				
	Do. ,, ,, III.	..			..
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..			201				
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,713	74,791	..	74,569	..		
	Kempampalayam reserve No. VI.	..			..
	Nellithorai reserve No. VII.	..			..
Bolampatti..	Small Sholakarai reserve No. X.	..			..
	Sankararapuram reserve	..			..
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..		
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve ..	..	145	145	..	145	..	
	Total, Coimbatore (South,) General.	..	344,516	345,264	1,496	343,768	..		
	Total, Coimbatore (South), Special and General.	..	421,642	423,288	1,794	421,494	2,345		
Madura. (Special)	Gundan shola plantation..	1886-87 ..	257	257	..	257	149		
	Poombarai Vilpatti Valley.	1884-85 ..	17,474	17,594	920	16,674	61		
	Aliyanuthu ..	1888-89 ..	4,352	4,352	550	3,802	28		
	Kudrayar ..	1886-87 ..	13,235	13,235	370	12,865	164		
	Kookal ..	1886-87 ..	11,725	11,725	..	11,725	20		
	Amburvi ..	1886-87 ..	13,944	13,971	85	13,886	247		
	Shengalvarayar ..	1885-86 ..	7,098	7,098	104	6,994	84		
	Karungal Dhoni Medu ..	1885-86 ..	3,469	3,469	1,505	1,964	25		
	Pambar ..	1883-84 ..	4,700	4,741	882	3,859	153		
	Adukam ..	1885-86 ..	7,520	7,520	111	7,409	273		
	Perumal Malai ..	1886-87 ..	2,032	2,032	..	2,032	135		
	Alagar Hill ..	1882-83 ..	16,838	16,838	..	16,838	389		
		Total, Madura (Special)	102,644	102,832	4,527	98,305	1,728 + 5 (a)	

* Not mentioned in last year's return.

(a) Cost of putting out fire in Cumbum valley east.

Area of Forest Tracts protected from Fire during 1901-1902—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1901-1902.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevely— (Special).	<i>Southern Circle— cont.</i>		ACS.	ACS.	ACS.	ACS.	RS.	
	Aiyankovil Working Circle.	1896-97 ..	1,168	1,349	463	886	109	
Srivilliputtūr.	Rangarkovil Working Circle.	1896-97 ..	648	648	..	648	56	
	Valaikulam Working Circle.	1896-97 ..	* 299	359	..	359	..	
Sankaranayinarkóvil.	Karupasamikoyil Working Circle.	1897-98 ..	* 623	937	17	920	77	
Tenkási ..	Kadayanallur Working Circle.	1897-98 ..	* 154	704	252	451	18	
	Kuttalam Working Circle.	1896-97 ..	* 496	604	..	604	19	
	Koilteri do.	1896-97 ..	* 385	996	685	311	38	
Ambásamudram.	Padarmalai do.	1896-97 ..	* 270	810	..	810	29	
	Panimanuduku do.	1896-97 ..	278	278	..	279	34	
	Sivasailam do.	1896-97 ..	344	344	..	344	..	
Nángunéri ..	Kalakad do.	1896-97 ..	* 795	969	..	969	24	
	Tirukurungudi do.	1896-97 ..	* 87	208	..	208	96	
	Total, Special ..	..	5,537	8,206	1,417	6,789	500	
(General)— Srivilliputtūr.	Ghaut forests V and V (a).	..	40,343	40,973	557	40,416	133	
Sankaranayinarkóvil.	Do. IV and IV (a).	..	27,023	25,397	750	24,647	33	
Tenkási ..	Ghaut forests III, III (a) (b), (c), (d), extension Nos. 1 to 3, Kuttalam reserve.	..	26,911	25,258	895	24,363	118	
Ambásamudram.	Ghaut forests II and II (b) Terkudesanavallur II (a)	..	88,518	88,175	1,084	87,091	49	
Nángunéri ..	Ghaut forests I and I (a) Teak track Mahendragiri and Vannamutti.	..	51,914	54,537	2,940	51,597	243	
	Total, General ..	..	234,709	234,340	6,226	228,114	571	
	Total, Tinnevely Special and General.	}	240,246	242,546	7,643	234,903	{ 1,071 + 1,228(a)	
	Total, Southern Circle— (Special) .. ..	..	363,209	476,698	11,173	465,525	12,088	
	(General) .. ..	..	739,425	740,120	7,852	732,268	2,396	
	Grand Total, Southern Circle.	..	1,102,634	1,216,818	19,025	1,197,793	14,484	
	Total, Presidency— (Special) .. ..	..	1,302,790	1,537,635	53,155	1,484,480	26,186	
	(General) .. ..	..	1,952,532	2,014,201	75,930	1,938,271	11,952	
	Grand Total, Presidency.	..	3,255,322	3,551,836	129,085	3,422,751	38,138	

* Revised figures.

(a) Added as per Accountant-General's audited figures.

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to grazing during 1901-1902.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
<i>Northern Circle.</i>							
	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjām	78	..	..	..	538	..	536
Vizagapatam	5	..	{ 245 99 }	..	..	..	245
Gódvári	7	76	212	..	{ 736 76 }	3	951
Kistna	223	..	..	..	{ 727 65 }	193	920
Kurnool	104	..	..	..	{ 2,213 306 }	74	139
Bellary	29	..	..	..	83	83	2,296
Anantapur	29	..	29	..	101	101	407
					540	96	561
					..	480	75
						1	508
							2
Total, Northern Circle ..	475	76	585	..	5,201	1,031	{ 6,017 800 }
<i>Central Circle.</i>							
Cuddapah	13	..	..	..	2,320	69	{ 2,191 198 }
Nellore	153	..	..	..	{ 670 38 }	53	{ 723 38 }
Chingleput	43	..	..	..	179	35	214
North Arcot	140	123	..	..	{ 1,265 29 }	1	{ 1,266 29 }
South Arcot	16	..	..	..	{ 661 3 }	..	{ 661 3 }
Salem	95	..	..	..	1,567	83	{ 1,470 180 }
Trichinopoly	12	29	..	..	{ 269 47 }	..	{ 269 47 }
Tanjore	2	..	..	..	19	..	{ 19 19 c }
Total, Central Circle ..	474	152	..	..	7,067	241	{ 6,813 495 }
<i>Southern Circle.</i>							
South Canara	{ 15 1 }	..	..	..	{ 662 413 }	..	{ 662 413 }
Malabar, North	28	..	..	..	{ 231 4 }	..	{ 231 4 }
Do. South	(a) 212	..	212	..	..	54	218
The Nilgiris	{ 6 10 }	6	..	..	{ 401 97 }	..	{ 401 97 }
Coimbatore, North	80	194	..	..	1,639	10	{ 1,109 540 }
Do. South	22	..	..	..	662	..	662
Madura	169	..	..	..	562	58	{ 610 10 }
Tinnevely	295	64	..	..	{ 431 5 }	..	{ 431 5 }
Total, Southern Circle ..	778	264	212	..	5,107	122	{ 4,324 1,117 }
Grand Total, Presidency ..	1,727	492	797	..	17,375	1,394	{ 17,154 2,412 }
1900-1901 ..	1,637	279	604	8	17,303	1,626	{ 19,541 19,541 }

N.B.—The totals of columns 4, 6 and 7 equal column 8. The figures in columns 6 and 4 include the figures in columns 2 and 3. Of the figures in brackets the upper one denotes the area of reserved forests and the lower one the area of reserved lands.

(a) The area of Walayar reserve (5 square miles) has been excluded as the same has been transferred to the Coimbatore district.

Form No. 53.

RETURN of Grazing in the State Forests of the Madras Presidency during 1901-02.

RETURN of Grazing in the State Forests of the

(a) Reserved forests notified under

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
<i>Northern Circle.</i>										
Ganjám .. .. .	..	..	..	..	RS. ..	8,981	34,650	151	..	(a) 9,880
Vizagapatam	101	2,799	..	..	749	1,038	16,549	..	..	3,492
Gódvári	(b) 360	(b) 419	(b) 1,477	..	704	..	..	..	..	..
.. .. .	(c) 10,286	(c) 24,340	{ (c and d) 2,642	..	11,476	..	..	..	..	..
.. .. .	(f) 1,449	(f) 5,131	{ (f and d) 4,306	..	2,649	..	..	..	..	..
.. .. .	(g) 2,226	(g) 15,746	{ (f) 833	..	9,952	20,789	49,051	{ (d) 180,361	116	41,202
Kistna	(h) 853	(h) 19,757	{ (h and d) 10,273	..	10,958	..	..	78,636	..	..
.. .. .	(i) 1,974	(i) 55,738	{ 5,167	..	15,670	..	..	..	..	..
Kurnool .. .. .	..	..	(i) 5,991	..	..	11,960	49,543	884,658	..	40,461
Bellary .. .. .	..	..	..	..	..	2,925	49,382	174,386	20	26,708
Anantapur .. .. .	..	..	..	..	..	..	..	..	..	..
Total, Northern Circle ..	17,249	123,930	30,689	..	52,158	45,693	199,175	1,318,192	136	1,21,743
<i>Central Circle.</i>										
Cuddapah .. .. .	..	..	..	..	..	3,462	108,615	{ (d) 131,505	..	35,852
.. .. .	..	..	..	..	..	..	..	19,937	..	..
Nellore .. .. .	..	..	..	..	..	9,859	64,702	219,465	..	36,404
.. .. .	..	..	..	..	..	..	..	..	(k) 293	..
Chingleput .. .. .	..	..	..	..	..	2,534	29,073	62,185	..	(l) 67
North Arcot .. .. .	..	..	..	..	..	(n) 138	(n) 9,089	(n) 12,458	..	(m) 611
South Arcot	(r) 8	18,401	(d) 470	..	4,780	(p) 2,319	(p) 81,352	(p) 54,900	..	(o) 2,935
Salem .. .. .	..	..	..	..	..	3,715	106,142	(d) 136,440	..	10,635
Trichinopoly .. .. .	..	..	..	..	..	7,473	217,835	76,477	..	34,086
.. .. .	..	..	..	..	..	387	17,060	62,746	..	57,832
Tanjore .. .. .	..	..	..	..	..	441	2,620	{ (d) 4,198	(s) 12	9,226
.. .. .	..	..	..	..	..	..	..	1,263	..	1,171
Total, Central Circle ..	8	18,401	(d) 470	..	4,780	30,328	636,488	781,574	12	2,01,343
<i>Southern Circle.</i>										
South Canara .. .. .	..	..	..	..	..	1,945	14,687	..	..	3,483
North Malabar .. .. .	..	..	..	..	..	2,406	5,386	..	..	2,021
South Malabar .. .. .	..	..	..	..	..	..	33	22	..	(u) 85
The Nilgiris .. .. .	..	..	..	..	..	10,517	20,035	553	26	8,316
North Coimbatore (w) ..	3,250	75,751	24,424	12	23,619	145	3,698	10,753	1	1,766
South Coimbatore .. .. .	..	..	..	..	..	500	36,604	4,675	129	7,513
Madura (x)	(x) 206	44,028	{ (d) 19,682	182	19,636	..	..	..	..	..
.. .. .	..	..	{ 20,035	..	..	..	..	..	..	..
Tinnevely .. .. .	..	..	..	..	..	385	12,968	19,276	..	4,356
Total, Southern Circle ..	3,456	119,779	64,141	194	43,255	15,898	93,411	35,279	156	27,530
Grand Total, Reserved Forest, Presidency	20,713	262,110	95,306	194	100,193	91,919	929,074	2,135,045	304	3,50,616

(a) A sum of Re. 1 was collected in excess.

(d) Sheep.

(e) Includes Rs. 1,057 being sale-proceeds of fodder.

(g) Special and enhanced rates in special tracts were levied. A fee of As. 12 each was collected from 1,912 buffaloes and As. 8 on permits at one-fourth rates are being issued.

(h) Double rates, viz., As. 12 per buffalo, As. 6 per bull or cow, As. 3 per sheep and As. 3 per goat.

(m) Miscellaneous revenue from grazing.

(n) Full rates were collected from 1st July 1901 to 31st December 1901.

(q) Some animals have been grazed in 470 acres thrown open to all animals in Chittoor range as per Board's Proceedings, Forest cattle. It includes 1,409 and 835 cows and 470 sheep at As. 5-4, As. 4 and As. 2, respectively, allowed for grazing in more than one

(t) Horses.

(u) Includes Rs. 77 realized by sale of grass.

(v) Daily rates for the cattle of the Mysore Nomadic tribes

(x) The enhanced rates of As. 8, 4 and 2 were levied for buffaloes, cows and sheep, respectively; while for goats 4-annas rates

N.B.—Full rates are the ordinary sanctioned

(f) Full rates, viz., As. 8 per

No. 53.

Madras Presidency during 1901-1902.

section 16 of the Forest Act.

At privileged rates.						Grazing free. Number of animals.										Grand total of value at full and enhanced rates.
						By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.		Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.		Total value of fees at full rates for animals grazed free.
				Actual.	Value at full rates.											
				RS.	RS.					RS.					RS.	RS.
..	..	..	..	..	..	..	200	..	..	38	..	130	..	..	24	62
6,209	38,699	6,486	..	(e) 6,331	13,391	..	..	..	..	..	1,501	6,594	..	..	2,399	2,399
..
..	..	..	..	..	..	..	2,360	5,185	..	928	..	..	..	..	..	928
..
..
6,209	38,699	6,486	..	6,331	13,391	..	2,560	5,185	..	966	1,501	6,724	..	..	2,423	3,389
..	1,269	3,510	..	346	567	..	1,900	..	..	356	..	..	..	..	..	356
..
..
..	..	..	..	..	..	..	..	..	..	..	2,056	9,973	(q) 250	..	2,665	2,665
..	..	..	..	..	..	..	..	..	..	..	(s) 1,491	4,496	(d) 373	..	1,437	1,437
..
..
..
..	1,269	3,510	..	346	567	..	1,900	..	..	356	3,547	14,469	623	..	4,102	4,458
..
..
..	(v) 2,514	..	..	43	471	..	..	..	..	..	..	..	..	..	..	..
..
..
..	..	..	..	..	..	..	..	..	..	..	..	169	..	..	32	32
..	2,514	..	..	43	471	..	..	..	..	..	..	169	..	..	32	32
6,209	42,482	9,996	..	6,720	14,429	..	4,460	5,185	..	1,322	5,048	21,362	623	..	6,557	7,879

maxima, viz., As. 6 per buffalo, &c.
per goat.

(c) The rates in this case are As. 8 per buffalo, As. 4 per bullock or cow, As. 2 per goat and As. 1-6 per sheep.
buffaloe, As. 4 per bull or cow, and As. 2 per goat or sheep were levied.

314 buffaloes and As. 8 on 14,771 bulls. Besides Rs. 975 was collected on 975 plough bullocks at Re. 1 per head.

(i) Enhanced rates for grazing inside "Sim's line" are Rs. 2, Re. 1 and As. 8 per buffalo, cow and sheep respectively but quarterly
issue of licenses for grazing.

(k) Kancha rent.

(l) Revenue derived from head-loads of grass.

(e) Includes excess collection of Rs. 11 and odd.

(p) Half rates from 1st January 1902 to 30th June 1902.

No. 313, dated 3rd October 1901.

(r) The enhanced rate of As. 8 per buffalo and As. 4 per cow were levied on foreign
reserve.

(s) Cattle admitted free in the Tenmalai block in the Tiruvannamalai range for the Malayalis on the hills.

at As. 3 per 100 per diem.

(w) The enhanced rates are As. 8 per buffalo and As. 4 per bull or cow and As. 2 per goat or sheep.

sanctioned by Government were levied.

Return of Grazing in the State Reserved lands of the

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
<i>Northern Circle.</i>					RS.					RS.
Gódvári	(a) 146	193	..	..	121	..	..	..	..	..
Kurnool .. .. .	..	..	..	..	..	7,405	63,463	1,77,937	..	31,358
Bellary	(d) ..	..	..	..	..	251	2,201	10,302	..	1,472
Total, Northern Circle ..	146	193	..	..	121	7,656	65,664	1,88,239	..	32,830
<i>Central Circle.</i>										
Nellore .. .. .	..	..	..	..	..	998	2,169	2,722	..	1,036
South Arcot .. .. .	..	..	..	..	..	53	996	(e) 573	..	260
Trichinopoly .. .. .	..	..	..	..	..	101	5,727	22,870	..	3,256
Total, Central Circle ..	..	..	..	..	..	1,152	8,892	26,165	..	4,552
<i>Southern Circle.</i>										
South Canara .. .. .	..	..	..	..	..	267	2,092	..	..	492
The Nilgiris .. .. .	..	..	..	..	..	..	272	..	..	136
North Coimbatore	(g) 588	(g) 31,308	(g) 534	..	8,188	..	..	..	..	..
Tinnevely .. .. .	..	..	..	..	..	2	251	633	..	107
Total, Southern Circle ..	588	31,308	534	..	8,188	269	2,615	633	..	735
Grand Total, Presidency ..	734	31,501	534	..	8,309	9,077	77,171	2,15,037	..	38,117

(a) The enhanced rates referred to are As. 12 per buffalo, As. 6 per bull or cow and As. 3 per goat.

(b) Annas 4 per buffalo, As. 2 per bull or cow and As. 1-6 per goat in the main division except delta; As. 2 per buffalo, Anna 1 per bullock or cow and pies 6 per sheep or goat in the sub-division; As. 6 per buffalo, As. 3 per bullock or cow in the delta; and Anna 1 per head on local cattle.

(c) Includes Rs. 81, being amount of grazing lease.

(d) Includes leased forest.

(e) Sheep.

(f) Daily rate for the cattle of the Mysore Nomadic tribes at As. 3 per 100 per diem.

(g) The enhanced rates are As. 8 per buffalo, As. 4 per bull or cow and As. 2 per sheep or goat.

No. 53—cont.

Madras Presidency during 1901-1902—cont.

Grazing free. Number of animals.																	Grand total of value at full and enhanced rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.		Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
				Actual.	Value at full rates.												
				RS.	RS.					RS.					RS.	RS.	RS.
(b) 4,350	(b) 11,993	..	..	(c) 2,666	5,174	..	..	125	320	..	..	..	..	..	..	..	5,295
..	..	..	..	..	..	..	125	320	..	53	..	..	..	..	..	53	31,411
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,472
4,350	11,993	..	..	2,666	5,174	..	125	320	..	53	..	..	..	..	..	53	38,178
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,036
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	260
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,552
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	492
..	..	..	..	..	..	(f) 1,794	..	..	..	673	..	..	..	..	..	..	809
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,188
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	107
..	..	..	..	..	..	1,794	..	..	..	673	..	..	..	..	..	673	9,596
4,350	11,993	..	..	2,666	5,174	1,794	125	320	..	726	..	..	..	..	..	726	52,326

ANNUAL FORM No. 54.

Forest Department, Madras Presidency.

AREA of Plantations, Cultural Operations and Topes, 1900-1901.

District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
		On 1st July 1901.	Added during the year.	Excluded during the year.	Area on 30th June 1902.	Of the year.	
1	2	3	4	5	6	7	8
<i>A. Regular Plantations.</i>							
Northern Circle.	Ganjām	1	348	..	348	RS. 6	RS. 116
	Gódvári	3	(a) 348	91	439	1,754	5,067
	Kistna	(b) 17	(b) 1,972	55	1,985	1,662	2,028
	Total, Northern Circle ..	21	2,668	146	2,772	3,422	7,211
Central Circle.	Cuddapah	8	2,100	..	2,100	80	478
	Nellore	11	(c) 5,759	..	5,759	42,107	{ 16,488 (d)-5,505
	Chingleput	1	102	20	122	132	{ 68 (d)+ 97
	North Arcot	7	1,175	..	1,175	4,716	720
	South Arcot	11	5,171	..	5,171	8,104	2,104
	Tanjore	4	539	..	539	3,676	{ 749 (d)- 29
	Total, Central Circle ..	42	14,846	20	14,866	58,815	15,170
Southern Circle.	South Canara	2	122	..	122	1,012	120
	North Malabar .. .. .	..	325	77	402	30	1,453
	South Malabar	22	4,925	123	5,041	12,389	9,499
	The Nilgiris	22	1,645	..	1,645	18,263	(e) ..
	South Coimbatore	8	30	..	30	..	184
	Madura	5	275	..	275	..	394
	Tinnevely .. .. .	..	..	..	..	..	..
	Total, Southern Circle ..	59	7,322	200	7,515	31,694	11,650
Grand Total, Regular Plantations, Presidency.		122	24,836	366	25,153	93,931	34,031
<i>B. Cultural Operations.</i>							
Northern Circle.	Ganjām .. .. .	..	302	..	302	15	112
	Kistna .. .. .	..	35	..	35	24	303
	Kurnool .. .. .	..	..	..	..	..	(d) 18
	Bellary .. .. .	..	163	10	173	..	99
	Anantapur .. .. .	..	56	100	106	..	1,808
	Total, Northern Circle ..	..	556	110	616	39	(f) 423
Central Circle (g).	Cuddapah .. .. .	..	597	..	597	26	216
	Nellore .. .. .	..	472	393	865	..	..
	Chingleput .. .. .	..	3	20	23	..	..
	North Arcot .. .. .	..	900	..	585	..	181
	Trichinopoly .. .. .	..	{ MLS. 91 ACS. 24 }	..	{ MLS. 91 ACS. 24 }	757	..
	Tanjore .. .. .	..	1,161	..	1,161	230	2
	Total, Central Circle ..	..	{ 3,157 MLS. 91 }	413	315 { 3,255 MLS. 91 }	1,013	399

(a) Reported by Collector to be correct area.

(b) Allinagaram area, 56 acres, felled in previous years is reported to have been wrongly included in the last year's return. Hence omitted in the present return.

(c) The difference between the closing balance of the previous year and the opening balance of the year under report is due to the fact of the correct area having been ascertained during the year under report.

(d) Added or deducted as per Accountant-General's audited figures.

(e) A sum of Rs. 13,514 is reported to have spent besides the charges incurred under A VIII-(e).

(f) Includes Rs. 114 being establishment charges.

(g) In South Arcot the area under cultural operation was shown as 6 acres in the previous year's return. A "nil" return is now submitted and no explanation is offered as regards the discrepancy.

Area of Plantations, Cultural Operations and Topes, 1901-1902—*cont.*

District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
		On 1st July 1901.	Added during the year.	Excluded during the year.	Area on 30th June 1902.	Of the year.	
1	2	3	4	5	6	7	8
<i>B. Cultural Operations—cont.</i>							
Southern Circle.	The Nilgiris	488	..	..	488	RS. ..	RS. 1,742
	South Coimbatore	37	18	37	18	..	..
	Tinnevely	5,608	..	..	5,608	..	273
	Total, Southern Circle ..	6,133	18	37	6,114	..	2,015
Grand Total, Cultural Operations, Presidency.		{ 9,846 MLS. 91 }	{ 541 }	402	{ 9,985 MLS. 91 }	1,052	5,141
<i>C. Topes.</i>							
Northern Circle.	Ganjām	7	101	..	101	17	(a) + 56
	Vizagapatam	2	78	..	78	..	{ (a) + 364
	Kistna	14	136	..	136	39	79
	Kurnool	28	206	..	199	103	30
	Bellary	30	212	..	212	..	72
	Anantapur	905	2,885	..	2,885	..	..
Total, Northern Circle ..		986	3,618	..	3,611	159	601
Central Circle.	Cuddapah	24	3,391	..	3,378	654	{ 887 (a) - 530
	Nellore	112	1,776	..	1,776	..	..
	Chingleput	17	227	..	227	305	(b) 413
	North Arcot	50	{ 968 (c) 498 }	..	{ 956 498 }	277	{ 680
	South Arcot	62	434	..	434	17	..
	Salem	126	1,598	..	1,590	1,067	{ 23 (a) + 35
	Trichinopoly	19	573	..	573	806	{ 188 (a) + 754
Total, Central Circle ..		410	9,465	..	9,432	3,587	2,450
Southern Circle.	North Malabar .. ..	..	56	..	56	255	{ 75 (a) + 932
	South do.	1	20	..	20	..	..
	North Coimbatore	(d) 3	209	..	209	..	(a) + 113
	South do.	1	67	..	67	..	..
	Tinnevely	9	84	..	44	9	{ 116 (a) - 52
Total, Southern Circle ..		14	436	..	329	264	1,184
Grand Total, Topes, Presidency ..		1,410	13,519	..	13,372	4,010	4,235
Northern Circle, Regular Plantations, Cultural operations and Topes ..		1,007	6,842	256	99	6,999	3,620 (e) 10,986
Central Circle, Regular Plantations, Cultural operations and Topes ..		452 { 27,462 MLS. 91 }	{ 433 }	348	{ 27,553 MLS. 91 }	63,415	18,019
Southern Circle, Regular Plantations, Cultural operations and Topes ..		73	13,891	218	151	13,958	31,958 (f) 14,872
Grand Total, Presidency		1,532 { 48,201 MLS. 91 }	{ 907 }	598	{ 48,510 MLS. 91 }	98,993	43,877

(a) Added or deducted as per Accountant-General's audited figures.

(b) Pay of gardeners.

(c) Re-transferred from the Revenue Department.

(d) The area of one of these is not stated.

(e) Includes Rs. 447 spent under Northern Circle Direction A-VIII (e).

(f) Includes Rs. 23 spent under Southern Circle Direction A-VIII (e).

FORM No. 55.

Forest Department, Madras Presidency.

OUTTURN (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation.

District.	Timber.						Fuel.				Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	C. FT.	NO.	Free-grantees.	Right-holders.
	2	3	4	5	6	7	8	9	10	11	12	C. FT.	NO.	15	16
1															
NORTHERN CIRCLE.															
<i>Ganjam.</i>															
Reserved forests—															
Sal	5,367	89,245	..	..	94,612	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	17,421	76,825	500	..	94,746	..	..	..	..	..	..	..	..	..	..
Total ..	22,788	166,070	500	..	189,358	835	644,722	..	..	645,557	834,915	..	..	49,000	..
Unreserved lands—															
Sal .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unreserved lands—															
Sal	4,798	6,553	..	..	11,351	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	47,907	141,606	9,940	..	199,453	..	..	..	..	..	..	..	..	..	..
Total ..	52,705	148,159	9,940	..	210,804	..	44,361	..	..	44,361	255,165	..	..	..	..
Grand Total ..	75,493	314,229	10,440	..	400,162	835	689,083	..	..	689,918	1,090,080	..	..	49,000	..
<i>Vizagapatam.</i>															
Reserved forests—															
Miscellaneous ..	162	47,137	..	..	47,299	99,585	159,864	..	..	259,249	306,548	..	..	..	703,316
Unreserved lands—															
Miscellaneous ..	60	8,186	80	..	8,326	..	87,897	..	..	87,897	96,223	..	..	600	70,730
Unreserved lands—															
Miscellaneous ..	..	14,710	..	..	14,710	..	23,001	..	..	23,001	37,711	..	..	..	2,730
Grand Total ..	222	70,033	80	..	70,385	99,585	270,562	..	..	370,147	440,482	..	..	600	836,770

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

FOREST DEPARTMENT.

lxxix

District.	Timber.					Fuel.				Total.	Bamboos.				Total.	
	Government.	Purchasers.	Free-Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.		Total.	Government.	Purchasers.	Free-grantees.		Right-holders.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE— <i>cont.</i>																
<i>Godavari.</i>																
Reserved forests—																
Teak ..	224	199	200	..	399	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	410	1,077	..	..	1,301	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	44,222	1,152	..	45,784	..	..	..	..	..	..	..	..	..	..	..
Total ..	634	45,498	1,352	..	47,484	83,615	362,884	925	..	447,424	494,908	..	6,422,786	6,400	..	6,429,136
Unreserved lands—																
Teak ..	..	21,340	53	..	21,393	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	27	13	..	..	40	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	33	262,223	3,277	..	265,533	..	..	..	..	..	..	..	..	..	..	..
Total ..	60	283,576	3,330	..	286,966	1,242	368,935	..	..	370,177	657,143	..	5,981,982	..	..	5,981,982
Grand Total ..	694	329,074	4,682	..	334,450	84,857	731,819	925	..	817,601	1,152,051	..	12,404,718	6,400	..	12,411,118
<i>Kistna.</i>																
Reserved forests—																
Miscellaneous ..	1,762	90,257	30	..	92,049	149,596	384,572	..	..	534,168	626,217	500	220,529	..	..	221,029
Reserved lands—																
Miscellaneous ..	..	378	..	..	378	..	9,417	..	..	9,417	9,795	..	..	..	..	..
Unreserved lands—																
Miscellaneous ..	900	151,569	1,150	..	153,619	..	6,891	..	..	6,891	160,510	..	17	..	..	17
Grand Total ..	2,662	242,204	1,180	..	246,046	149,596	400,880	..	..	550,476	796,522	500	220,546	..	..	221,046
<i>Kurnool.</i>																
Reserved forests—																
Teak ..	60	..	..	..	60	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	3,243	..	..	..	3,243	..	..	..	..	..	..	..	..	..	..	..
<i>Terminalia tomentosa</i>	5,413	..	..	..	5,413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	1,494	148,529	1,620	1,311	152,954	..	..	..	..	..	..	..	..	..	..	..
Total ..	10,210	148,529	1,620	1,311	161,670	619,106	392,114	..	257,510	1,268,730	1,430,400	..	4,432,426	6,125	20,489	4,459,040

Onturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.					Total.	Bamboos.					
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.		C. FT.	NO.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
NORTHERN CIRCLE—cont.																	
Kurnool—cont.																	
Reserved lands—																	
Miscellaneous ..	..	26,428	180	..	26,608	..	201,538	..	..	201,538	228,146	..	66,874	1,500	..	68,374
Unreserved lands—																	
Miscellaneous ..	..	15,272	..	..	15,272	..	36,187	..	..	36,187	51,459	..	..	..	..	..
Grand Total ..	10,210	190,220	1,800	1,311	203,550	619,106	629,839	..	257,510	1,506,455	1,710,005	..	4,499,300	7,625	20,489	4,527,414	
Bellary.																	
Reserved forests—																	
Miscellaneous ..	..	2,032	..	..	2,032	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	2,032	..	..	2,032	3,821	96,646	..	..	100,467	102,499	..	1,500	..	..	1,500
Reserved lands—																	
Teak ..	1,676	..	..	..	1,676	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	60,486	3,516	..	..	64,002	..	..	..	..	..	..	..	..	..	..	..
Total ..	62,402	3,516	..	..	65,918	144,789	65,110	..	..	209,849	275,767	430	93,908	..	..	94,338
Unreserved lands—																	
Miscellaneous ..	..	184,942	2,352	..	187,294	..	102,498	..	..	102,498	289,792	..	..	..	..	..
Grand Total ..	62,402	190,400	2,352	..	255,244	148,560	264,254	..	..	412,814	668,058	430	95,408	..	..	95,838
Anantapur.																	
Reserved forests—																	
Miscellaneous ..	..	45,785	870	..	46,655	..	170,594	..	..	170,594	217,249	..	14,485	..	..	14,485
CENTRAL CIRCLE.																	
Cuddapah.																	
Reserved forests—																	
Redwood ..	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	1,152	92,857	4,650	..	98,659	..	..	..	..	..	..	..	..	..	..	..
Total ..	20,756	92,857	4,650	..	118,263	63,171	394,916	..	..	458,087	576,350	..	1,301,650	22,100	..	1,323,750

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.				Total.	Bamboos.				Total.				
	Government.	Purchasers.	Free-grantees.		Right-holders.	Government.	Purchasers.	Free-grantees.	Right-holders.		Government.	Purchasers.	Free-grantees.	Right-holders.					
			2	3												4	5	6	7
1																			
CENTRAL CIRCLE—cont.																			
Cuddapah—cont.																			
Unreserved lands—																			
Miscellaneous ..	..	87,907	500	..	88,407	..	154,728	..	..	154,728	243,135	..	220	..	..	220	..	..	..
Grand Total ..	20,756	180,764	5,150	..	206,670	63,171	549,644	..	..	612,815	819,485	..	1,301,870	22,100	..	1,323,970	..	..	..
Nellore.																			
Reserved forests—																			
Miscellaneous ..	758	12,840	4,880	..	18,478	258,592	30,553	..	..	289,145	307,623	..	45,400	..	..	45,400	..	..	..
Unreserved lands—																			
Miscellaneous ..	..	43,108	1,160	..	44,268	..	39,693	..	..	39,693	83,961	..	..	..	..	..	..	..	..
Grand Total ..	758	55,948	6,040	..	62,746	258,592	70,246	..	..	328,838	391,584	..	45,400	..	..	45,400	..	..	..
Chingleput.																			
Reserved forests—																			
Miscellaneous ..	..	..	..	..	..	16,854	76,212	..	..	93,066	93,066	..	1,364	..	..	1,364	..	..	..
Unreserved lands—																			
Miscellaneous ..	..	34,152	2,560	..	36,712	52,183	13,760	..	..	65,943	102,655	..	1,240	..	..	1,240	..	..	..
Grand Total ..	..	34,152	2,560	..	36,712	69,037	89,972	..	..	159,009	195,721	..	2,604	..	..	2,604	..	..	..
North Arcot.																			
Reserved forests—																			
Sandalwood ..	291	..	..	..	291	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	5,438	4,289	13,110	..	22,828	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	5,729	4,289	13,110	..	23,119	7,058	206,253	344,898	..	558,190	581,309	..	4,439,500	323,875	..	4,762,875	..	..	..
Reserved lands—																			
Miscellaneous ..	..	..	..	..	..	..	2,464	..	..	2,464	2,464	..	..	..	..	..	..	..	..
Unreserved lands—																			
Miscellaneous ..	..	25,670	1,280	..	26,950	..	183,600	..	..	183,600	210,550	..	..	..	..	..	..	..	..
Grand Total ..	5,729	29,950	14,390	..	50,069	7,058	392,317	344,898	..	744,254	794,323	..	39,500	323,875	..	4,762,875	..	..	..

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.					Total.	Bamboos.					Total.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.		Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
CENTRAL CIRCLE—cont.																	
<i>South Arcot.</i>																	
Reserved forests—																	
Sandalwood	2	10,218	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,088	..	..	..	11,306	..	..	..	..	..	..	..	..	..	..	..	..
Total	1,090	10,218	..	..	11,308	4,862	244,766	400	..	250,028	261,336	85	1,076,267	..	..	1,076,082	
Reserved lands—																	
Miscellaneous .. ..	..	32	..	..	32	..	824	..	..	824	856	..	..	..	..	..	..
Unreserved lands—																	
Miscellaneous .. ..	..	3,587	215	..	3,802	3	339,682	..	..	339,685	343,487	..	..	..	..	..	..
Grand Total	1,090	13,837	215	..	15,142	4,865	585,272	400	..	590,537	605,679	85	1,076,267	..	..	1,076,352	
<i>Salem.</i>																	
Unreserved lands—																	
Sandalwood	675	441,809	..	..	675	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,893	..	630	..	446,332	..	..	..	..	..	..	..	..	..	..	..	..
Total	4,568	441,809	630	..	447,007	1,571,910	339,974	..	..	1,911,884	2,358,891	2,238	5,208,225	..	..	5,300,463	
<i>Trichinopoly.</i>																	
Reserved forests—																	
Miscellaneous	1,987	19,660	..	..	21,647	182,082	86,572	..	..	268,654	290,301	..	229,748	..	..	229,748	
Reserved lands—																	
Miscellaneous .. ..	..	520	..	..	520	..	1,578	..	..	1,578	2,098	..	11,567	..	..	11,567	
Unreserved lands—																	
Miscellaneous .. ..	..	2,383	1,398	..	3,781	..	1,865,591	..	..	1,865,591	1,869,372	..	7,386	250	..	7,636	
Grand Total	1,987	22,563	1,398	..	25,948	182,082	1,953,741	..	..	2,135,823	2,161,771	..	248,701	250	..	248,951	

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

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District.	Timber.					Fuel.					Bamboos.						
	Government.	C. FT.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	C. FT.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
CENTRAL CIRCLE—cont.																	
Tanjore.																	
Reserved forests—																	
Miscellaneous ..	8,850	12,886	..	..	21,736	..	100,086	..	..	100,086	121,822	..	..	..	..	..	..
Unreserved lands—																	
Miscellaneous ..	..	40	..	..	40	48,880	267,903	..	..	316,786	316,826	..	2,982	..	..	2,982	2,982
Grand Total ..	8,850	12,926	..	..	21,776	48,880	367,992	..	..	416,872	438,648	..	2,982	..	..	2,982	2,982
SOUTHERN CIRCLE.																	
South Canara.																	
Reserved forests—																	
Teak ..	157	102	..	..	259	..	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	27	76	..	..	103	..	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	25	25	..	..	50	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	773	..	..	..	773	..	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	..	76	..	..	76	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	72	1,275	..	..	1,347	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	695	2,495	..	..	3,190	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,749	4,049	..	..	5,798	6,725	240,657	..	..	247,382	253,180	1,292	92,959	..	..	..	94,251
Reserved lands—																	
Hopea ..	37	765	..	..	802	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	75	1,450	..	..	1,525	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	638	..	..	638	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	112	2,853	..	..	2,965	..	3,826	..	..	3,826	6,791	150	17,075	..	..	..	17,225
Unreserved lands—																	
Teak ..	..	367	..	..	367	..	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	153	..	..	153	..	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	..	76	..	..	76	..	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	..	765	..	..	765	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	..	325	..	..	325	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	5,304	..	..	5,304	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	7,016	..	..	7,016	200	446,566	..	..	446,766	453,782	..	3,117	..	..	..	3,117
Grand Total ..	1,861	13,918	..	..	15,779	6,925	691,049	..	..	697,974	713,753	1,442	113,151	..	..	..	114,593

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation - cont.

District.	Timber.				Fuel.				Total.	Bamboos.				Total.		
	Government.	Purchasers.	Free-grantees.	Right-holders.	C. FT.	C. FT.	C. FT.	C. FT.		Government.	Purchasers.	Free-grantees.	Right-holders.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—cont.																
North Malabar.																
Reserved Forests—																
Teak ..	63,836	3,673	..	..	67,509	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	16,479	129	..	..	16,608	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	17,116	1,195	1,850	..	20,161	..	..	..	..	..	..	..	..	..	..	..
Total ..	97,431	4,997	1,850	..	104,278	284	4,440	4,960	..	9,684	113,962	5,000	14,838	5,325	..	25,363
South Malabar.																
Reserved Forests—																
Teak ..	10,658	4,944	..	..	15,602	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	6	652	..	..	658	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	..	708	..	..	708	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	1,641	7,922	..	..	9,563	..	..	..	..	..	..	..	..	..	..	..
Hopoe ..	465	1,151	..	..	1,616	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	458	14,193	..	..	14,651	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	677	69,139	..	..	69,816	..	..	..	..	..	..	..	..	..	..	..
Total ..	13,905	93,709	..	..	112,614	1,175	48,451	..	..	49,626	162,240	9,099	98,486	..	..	107,585
Reserved lands—																
Teak ..	24,327	138	..	..	24,365	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	401	..	..	401	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	..	15,601	..	..	16,164	..	..	..	..	..	..	..	..	..	..	..
Hopoe ..	..	170	..	..	170	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	..	1,269	..	..	1,269	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	7,189	..	..	7,189	..	..	..	..	..	..	..	..	..	..	..
Total ..	24,790	24,768	..	..	49,558	60	..	..	..	60	49,618	2,555	12,050	..	..	14,605
Unreserved lands—																
Teak ..	21	..	..	..	21	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	151	..	..	..	151	..	..	..	..	..	..	..	..	..	..	..
Total ..	204	..	..	..	204	..	..	..	..	..	204	..	..	25	..	25
Grand Total ..	33,899	123,477	..	..	162,376	1,235	48,451	..	..	49,686	212,062	11,654	110,536	..	..	122,215

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

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District.	Timber.					Fuel.				Total.	Bamboos.				Total.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.		Total.	Government.	Purchasers.	Free-grantees.		Right-holders.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—cont.																
The Nilgiris.																
Reserved forests—																
Teak ..	8,544	130	..	..	8,674	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	1,964	4	..	..	1,968	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	263	..	..	..	263	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	10,244	72	..	..	10,316	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	99	14,496	250	..	14,845	..	..	..	..	..	..	..	..	..	..	..
Total ..	21,114	14,702	250	..	36,066	326,589	9,591	1,934	..	338,114	374,180	750	361,437	4,325	..	366,512
Reserved lands—																
Miscellaneous ..	..	..	..	420	420	..	..	1,003	199	1,202	1,622	..	..	1,485	375	1,860
Unreserved lands—																
Miscellaneous ..	..	..	..	..	..	..	..	98	..	98	98	..	..	..	..	..
Grand total ..	21,114	14,702	250	420	36,486	326,589	9,591	3,035	199	339,414	375,900	750	361,437	5,810	375	358,372
North Coimbatore.																
Reserved forests—																
Teak ..	1,011	..	..	..	1,011	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	991	..	..	..	991	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	2,428	..	..	..	2,428	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	1,730	20,943	..	..	22,673	..	..	..	..	..	..	..	..	..	..	..
Total ..	6,160	20,943	..	..	27,103	..	295,337	..	..	295,337	322,440	22,474	3,233,860	..	..	3,256,334
Unreserved lands—																
Miscellaneous ..	..	783	2,368	..	3,151	..	3,984	..	..	3,984	7,135	..	7,300	24	..	7,324
Grand total ..	6,160	21,726	2,368	..	30,251	..	299,321	..	..	299,321	329,575	22,474	3,241,160	24	..	3,263,658
South Coimbatore.																
Reserved forests—																
Teak ..	13,879	9,836	..	..	23,715	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	2,660	217	..	..	2,877	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	46	775	..	..	821	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	865	..	..	..	865	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	9,104	13,070	..	..	22,174	..	..	..	..	..	..	..	..	..	..	..
Total ..	26,554	23,928	..	..	50,482	183,880	733,601	..	..	917,481	967,963	4,356	2,435,600	..	..	2,439,956
Unreserved lands—																
Miscellaneous ..	..	3,868	300	..	4,168	..	16,406	..	..	16,406	20,574	..	..	..	..	..
Grand total ..	26,554	27,796	300	..	54,650	183,880	750,007	933,887	988,537	4,356	2,435,600	2,439,956

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Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.					Total.	Bamboos.					Total.		
	Government.	Purchasers.	Free-grantees.		Right-holders.	Total.	Government.	Purchasers.	Free-grantees.			Right-holders.	Total.	Government.	Purchasers.	Free-grantees.		Right-holders.	
			2	3					4	5						6			7
1																			
SOUTHERN CIRCLE--cont.																			
Madura.																			
Reserved forests --																			
Vengai ..	1,156	..	..	..	1,156	..	..	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	176	..	..	..	176	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	210	10,252	216	..	10,678	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,542	10,252	216	..	12,010	93,880	222,105	..	..	315,985	327,995	..	103,300	..	..	..	103,300	..
Unreserved lands --																			
Miscellaneous ..	..	170,124	30	..	170,154	..	220,100	..	..	220,100	390,254	..	..	..	..	..	..	..
Grand Total ..	1,542	180,375	216	..	182,164	93,880	442,205	..	..	536,085	718,249	..	103,300	..	..	..	103,300	..
Tinnevely.																			
Reserved forests --																			
Mopea ..	215	40	..	..	255	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	164	86,731	60	..	86,955	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	379	36,771	60	..	37,210	44,312	753,738	..	..	798,050	835,260	..	76,576	200	..	..	76,776	..
Unreserved lands --																			
Miscellaneous ..	..	..	3,760	..	3,760	400	895,466	..	..	895,866	392,623	..	2,980	..	..	..	2,980	..
Grand total ..	379	36,771	3,820	..	40,970	44,712	1,149,204	..	..	1,193,916	1,234,886	..	79,556	200	..	..	79,756	..
Abstract.																			
NORTHERN CIRCLE.																			
Reserved forests --																			
Teak ..	60	199	200	..	459	..	..	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	3,243	..	..	..	3,243	..	..	..	..	..	..	..	..	..	..	..	..	..
Sal ..	5,367	89,245	..	..	94,612	..	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	224	1,077	..	..	1,301	..	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	5,413	..	..	..	5,413	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	21,219	451,787	4,172	1,311	481,519	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	35,556	545,308	4,372	1,311	586,547	956,558	2,211,196	925	257,510	3,426,189	4,012,756	1,080	13,578,361	61,525	20,489	13,661,455			

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

FOREST DEPARTMENT.

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District.	Timber.				Total.	Fuel.				Total.	Bamboos.				Total.				
	Government.	Purchasers.	Free-grantees.	Right-holders.		Government.	Purchasers.	Free-grantees.	Right-holders.		Government.	Purchasers.	Free-grantees.	Right-holders.					
																2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1																			
NORTHERN CIRCLE—cont.																			
Reserved lands—																			
Teak ..	1,676	..	..	..	1,676	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	60,546	38,508	260	..	99,314	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	62,462	38,508	260	..	101,230	144,739	363,902	..	..	508,701	609,931	630	232,212	2,100	..	234,942	..	..	..
Unreserved lands—																			
Teak ..	..	21,340	53	..	21,393	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sal ..	4,798	6,553	..	..	11,351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	27	13	..	..	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	48,840	770,322	16,719	..	835,881	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	53,665	798,228	16,772	..	868,665	1,242	581,873	..	..	583,115	1,451,780	..	6,001,029	..	..	6,001,029	..	..	..
Grand Total ..	151,683	1,382,044	21,404	1,311	1,556,442	1,102,539	3,157,031	925	257,510	4,518,005	6,074,447	1,710	19,811,602	63,625	20,489	19,897,426	..	..	..
CENTRAL CIRCLE.																			
Reserved forests—																			
Redwood ..	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	293	..	..	..	293	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	19,273	152,741	22,640	..	194,654	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	39,170	152,741	22,640	..	214,551	532,619	1,139,358	345,279	..	2,017,256	2,231,807	85	7,093,929	345,475	..	7,439,489	..	..	..
Reserved lands—																			
Miscellaneous ..	..	552	..	..	552	..	4,866	..	..	4,866	5,418	..	11,567	..	..	11,567	..	..	..
Total ..	..	552	..	..	552	..	4,866	..	..	4,866	5,418	..	11,567	..	..	11,567	..	..	..
Unreserved lands—																			
Sandalwood ..	675	..	7,743	..	675	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	3,893	638,656	..	..	650,292	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,568	638,656	7,743	..	650,967	1,672,976	3,204,934	..	..	4,877,910	5,528,877	2,238	5,310,053	250	..	5,312,541	..	..	..
Grand Total ..	43,738	791,949	30,383	..	866,070	2,205,595	4,349,158	345,279	..	6,900,032	7,766,102	2,323	12,415,549	345,725	..	12,763,597	..	..	..

Abstract—cont.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.		Government.	Purchasers.	Free-grantees.	Right-holders.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Abstract—cont.																
SOUTHERN CIRCLE.																
Reserved forests—																
Teak ..	98,085	18,685	..	..	116,770	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	4,833	979	..	..	5,812	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	3,279	7,922	..	..	11,201	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	18,697	1,637	..	..	20,334	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	2,691	..	..	..	2,691	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	680	1,267	..	..	1,947	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	10,774	15,540	..	..	26,314	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	29,795	168,321	2,376	..	200,492	..	..	..	..	..	..	..	..	..	..	..
Total ..	168,834	214,351	2,376	..	385,561	656,845	2,307,920	6,894	..	2,971,659	3,357,220	42,971	6,417,056	10,050	..	6,470,077
Reserved lands—																
Teak ..	24,227	138	..	..	24,365	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	401	..	..	401	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	563	15,601	..	..	16,164	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	37	935	..	..	972	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	75	2,719	..	..	2,794	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	7,827	..	420	8,247	..	..	..	..	..	..	..	..	..	..	..
Total ..	24,902	27,621	..	420	52,943	60	3,826	1,003	199	5,088	58,031	2,705	29,125	1,485	375	33,690
Unreserved lands—																
Teak ..	21	367	..	..	388	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	..	76	..	..	76	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	..	765	..	..	765	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	153	..	..	153	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	32	325	..	..	357	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	151	180,079	6,458	..	186,688	..	..	..	..	..	..	..	..	..	..	..
Total ..	204	181,791	6,458	..	188,453	600	1,082,522	98	..	1,083,220	1,271,673	..	13,397	49	..	13,446
Grand Total ..	193,940	423,763	8,834	420	626,957	657,505	3,394,268	7,995	199	4,059,967	4,636,924	45,676	6,459,578	11,584	375	6,517,213

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.					Bamboos.					
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Circle Abstract.																
NORTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak ..	1,736	21,539	253	..	23,528	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	3,243	..	..	..	3,243	..	..	..	..	..	..	..	..	..	..	..
Sal ..	10,165	95,798	..	..	105,963	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	251	1,090	..	..	1,341	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..
<i>Terminalia tomentosa</i> ..	5,413	..	..	..	5,413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	130,635	1,263,617	21,151	1,311	1,416,714	..	..	..	..	..	..	..	..	..	..	..
Total ..	151,683	1,382,044	21,404	1,311	1,556,442	1,102,539	3,157,031	925	257,510	4,518,005	5,074,447	1,710	19,811,602	63,625	20,489	19,897,426
CENTRAL CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Redwood ..	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	968	..	..	..	968	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	23,166	791,949	30,383	..	845,498	..	..	..	..	..	..	..	..	..	..	..
Total ..	43,738	791,949	30,383	..	866,070	2,205,595	4,349,158	345,279	..	6,900,032	7,766,102	2,323	12,415,549	345,725	..	12,763,597
SOUTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak ..	122,333	19,190	..	..	141,523	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	4,833	1,533	..	..	6,366	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	18,697	1,663	..	..	20,360	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	8,842	28,599	..	..	27,441	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	2,691	..	..	..	2,691	..	..	..	..	..	..	..	..	..	..	..
<i>Hopea</i> ..	717	2,967	..	..	3,684	..	..	..	..	..	..	..	..	..	..	..
<i>Terminalia tomentosa</i> ..	10,881	18,584	..	..	29,465	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	29,946	356,227	8,834	420	395,427	..	..	..	..	..	..	..	..	..	..	..
Total ..	193,940	423,763	8,834	420	626,957	657,505	3,394,268	7,995	199	4,059,967	4,686,924	45,676	6,459,578	11,584	375	6,517,213

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

District.	Timber.					Fuel.					Total.					Bamboos.				
	Government.		Purchasers.	Free-grantees.	Right-holders.	Total.	Government.		Purchasers.	Free-grantees.	Right-holders.	Total.	Government.		Purchasers.	Free-grantees.	Right-holders.			
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
1																				
Presidency Abstract.																				
Reserved forests—																				
Teak ..	98,145	18,884	200	..	117,229	..	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	4,833	979	..	..	5,812	..	..	..	..	..	..	..	..	..	..	..	..
Vengai ..	21,940	1,637	..	..	23,577	..	..	..	..	..	..	..	..	..	..	..	..
Redwood ..	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..	..
Sal ..	5,367	89,245	..	..	94,612	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	3,503	8,999	..	..	12,502	..	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	2,984	..	..	..	2,984	..	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	680	1,267	..	..	1,947	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	16,187	15,540	..	..	31,727	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	70,317	775,849	29,188	1,311	876,665	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	243,560	912,400	29,388	1,311	1,186,659	2,146,022	5,658,474	353,028	257,510	8,415,104	9,601,763	44,136	27,089,346	417,050	20,489	27,571,021				
Reserved lands—																				
Teak ..	25,903	138	..	..	26,041	..	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	401	..	..	401	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	563	15,601	..	..	16,164	..	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	240	..	..	..	240	..	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	37	935	..	..	972	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	75	2,719	..	..	2,794	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	60,546	46,887	260	420	108,113	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	87,364	66,681	260	420	154,725	144,799	372,654	1,003	199	518,655	673,380	3,335	272,904	3,585	375	280,199				
Unreserved lands—																				
Teak ..	21	21,707	53	..	21,781	..	..	..	..	..	..	..	..	..	..	..	..
Rosewood ..	..	153	..	..	153	..	..	..	..	..	..	..	..	..	..	..	..
Vengui ..	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..
Sal ..	4,798	6,553	..	..	11,351	..	..	..	..	..	..	..	..	..	..	..	..
Ironwood ..	27	89	..	..	116	..	..	..	..	..	..	..	..	..	..	..	..
Sandalwood ..	675	..	..	..	675	..	..	..	..	..	..	..	..	..	..	..	..
Hopea ..	..	765	..	..	765	..	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	32	825	..	..	857	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	52,884	1,589,057	30,920	..	1,672,861	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	58,437	1,618,675	30,973	..	1,708,085	1,674,818	4,869,329	98	..	6,544,245	8,252,330	2,238	11,324,479	299	..	11,327,016				

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—cont.

FOREST DEPARTMENT.

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District.	Timber.				Fuel.				Bamboos.							
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Presidency Abstract—cont.																
Reserved forests, reserved lands and unreserved lands—	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
<i>Tectona grandis</i> (Teak)	124,069	40,729	253	..	165,051	..	..	..	..	..	..	..	..	..	..	..
<i>Dalbergia latifolia</i> (Rosewood).	4,833	1,533	..	..	6,366	..	..	..	..	..	..	..	..	..	..	..
<i>Pterocarpus marsupium</i> (Vengai)	21,940	1,663	..	..	23,603	..	..	..	..	..	..	..	..	..	..	..
<i>Pterocarpus santalinus</i> (Red-wood)	19,604	..	..	..	19,604	..	..	..	..	..	..	..	..	..	..	..
<i>Shorea robusta</i> (Sal)	10,165	95,798	..	..	105,963	..	..	..	..	..	..	..	..	..	..	..
<i>Xylocarpus molle</i> (Ironwood).	4,093	24,689	..	..	28,782	..	..	..	..	..	..	..	..	..	..	..
<i>Santalum album</i> (Sandalwood).	3,899	..	..	..	3,899	..	..	..	..	..	..	..	..	..	..	..
<i>Hopea parviflora</i>	717	2,967	..	..	3,684	..	..	..	..	..	..	..	..	..	..	..
<i>Terminalia tomentosa</i>	16,294	18,584	..	..	34,878	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	183,747	2,411,793	60,368	1,731	2,657,639	..	..	..	..	..	..	..	..	..	..	..
Presidency total	389,361	2,597,756	60,621	1,731	3,049,669	3,965,439	10,900,457	354,199	257,709	15,478,004	18,527,473	49,709	38,686,729	420,934	20,861	89,178,236

ANNUAL FORM No. 56.
Forest Department, Madras Presidency.
OUTTURN of Minor Forest Produce during the year 1901-1902.

Circle.	Description of produce.	Produce removed or utilized.									
		By Government Agency.		By purchasers.		By free grants.		By right-holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	Grass and grazing ..	Maunds 3,240	RS. 362	..	RS. 2,22,359	..	RS. 2,399	..	RS. 981	..	RS. 2,26,101
	Stones, gravel, earth, &c. ..	..	..	..	8,427	..	25	..	..	..	8,452
	Tamarind, soapnuts, gallnuts	..	..	..	38,609	..	..	..	.. 200	..	38,609
	Horns, honey, wax, nux-vomica, &c.	..	..	..	684	..	..	..	..	..	884
	Tangedu, &c., barks ..	..	..	..	63,605	..	.. 57	..	.. 38,250	..	63,605
	Miscellaneous ..	..	..	..	1,27,273	..	..	..	..	..	1,65,580
	Total ..	Maunds 3,240	362	..	4,60,957	..	2,481	..	39,431	..	5,03,231
Central Circle.	Grass and grazing ..	Maunds 5,543	816	..	2,34,667	..	1,437	..	356	..	2,37,276
	Stones, gravel, earth, &c. ..	..	..	..	7,435	..	..	..	..	..	7,435
	Tamarind, soapnuts, gallnuts	Maunds 3,071	1,175	..	23,967	..	..	..	..	..	25,142
	Horns, honey, wax, nux-vomica, &c.	..	935	..	..	..	..	..	..	..	935
	Tangedu, &c., barks ..	..	65	..	14,605	..	..	..	..	..	14,670
	Mica ..	..	..	..	57,996	..	.. 441	..	..	..	57,996
	Miscellaneous ..	Maunds 2,193	1,050	..	1,14,436	..	..	..	..	..	1,15,927
Southern Circle.	Total ..	Maunds 12,363	4,041	..	4,53,106	..	1,878	..	356	..	4,59,381
	Grass and grazing ..	..	..	..	82,501	..	..	..	673	..	83,264
	Stones, gravel, earth, &c. ..	..	..	..	2,748	..	..	..	..	..	2,748
	Tamarind, soapnuts, gallnuts	Maunds 9,996	10,163	..	3,068	..	..	..	..	..	13,231
	Horns, honey, wax, &c. ..	..	5,271	..	375	..	..	..	..	..	5,646
	Tangedu, &c., barks ..	..	898	..	4,652	..	..	..	..	..	5,550
	Catechu ..	..	10,714	..	..	..	..	..	..	..	10,714
Grand Total ..	Miscellaneous ..	..	7,414	..	99,283	..	.. 2	..	.. 3	..	1,06,702
	Total ..	Maunds 16,457	34,460	..	1,92,717	..	2	..	676	..	2,27,855
Grand Total ..		Maunds 32,060	38,863	..	11,06,780	..	4,361	..	40,463	..	11,90,467

ANNUAL FORM No. 57.

Forest Department, Madras Presidency.

ACCOUNT of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year 1901-1902.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (CUBIC FEET).					
<i>Northern Circle.</i>					
Ganjām	12,804	75,493	88,297	64,735	23,562
Vizagapatam	1,197	222	1,419	913	506
Gó dá vari	7,768	694	8,462	5,381	3,081
Kistna	593	2,662	3,255	3,200	55
Kurnool	1,600	10,210	11,810	7,549	4,261
Bellary	10,480	62,402	72,882	20,440	52,442
Anantapur .. .. .	..	..	..	..	..
Total ..	34,442	151,683	186,125	102,218	83,907
<i>Central Circle.</i>					
Cuddapah	22,555	20,756	43,311	10,502	32,809
Nellore .. .. .	..	758	758	460	298
Chingleput .. .. .	..	..	..	..	..
North Arcot	150	5,729	5,879	5,830	49
South Arcot	199	1,090	1,289	791	498
Salem	366	4,568	4,934	3,845	1,089
Trichinopoly .. .. .	..	1,987	1,987	1,987	..
Tanjore .. .. .	..	8,850	8,850	8,850	..
Total ..	23,270	43,738	67,008	32,265	34,743
<i>Southern Circle.</i>					
South Canara	86,154	1,861	88,015	15,545	72,470
Malabar (North)	123,028	97,431	220,459	24,819	195,640
Do. (South)	85,224	38,899	124,123	103,918	20,205
The Nilgiris	18,478	21,114	39,592	16,507	23,085
Coimbatore (North)	1,801	6,160	7,961	1,849	6,112
Do. (South)	188,620	26,554	215,174	† 80,971	134,203
Madura .. .. .	..	1,542	1,542	1,390	152
Tinnevelly	2,091	379	2,470	2,317	153
Total ..	505,396	1,93,940	699,336	247,316	452,020
Grand Total ..	563,108	389,361	952,469	381,799	570,670
FUEL (CUBIC FEET).					
<i>Northern Circle.</i>					
Ganjām .. .. .	..	835	835	835	..
Vizagapatam	1,289	99,585	100,874	95,344	5,530
Gó dá vari .. .. .	..	84,857	84,857	77,054	7,803
Kistna	22,994	149,596	172,590	168,950	3,640
Kurnool	116,105	619,106	735,211	547,308	187,903
Bellary	86,640	148,560	235,200	125,360	109,840
Anantapur .. .. .	..	..	..	..	..
Total ..	227,028	1,102,539	1,329,567	1,014,851	314,716
<i>Central Circle.</i>					
Cuddapah	24,752	63,171	87,923	25,181	62,742
Nellore	162,263	258,592	420,855	405,159	15,696
Chingleput	12,260	69,037	81,297	79,587	1,710
North Arcot	1,542	7,058	8,600	7,702	898
South Arcot	662	4,865	5,527	4,420	1,107
Salem	61,619	1,571,910	1,633,529	1,512,007	121,522
Trichinopoly	13,680	182,082	195,762	151,379	44,383
Tanjore .. .. .	..	48,880	48,880	22,480	26,400
Total ..	276,778	2,205,595	2,482,373	2,207,915	274,458
<i>Southern Circle.</i>					
South Canara	47,933	6,925	54,858	54,858	..
Malabar (North)	470	284	754	754	..
Do. (South)	481	1,235	1,716	1,379	337
The Nilgiris	262,091	326,589	588,680	370,583	218,097
Coimbatore (North)	2,412	..	2,412	..	2,412
Do. (South)	118,880	183,880	302,760	245,880	56,880
Madura	600	93,880	94,480	77,140	17,340
Tinnevelly	1,750	44,712	46,462	46,462	..
Total ..	434,617	657,505	1,092,122	797,056	295,066
Grand Total ..	938,423	3,965,639	4,904,062	4,019,822	884,240

* Revised figure.

† Includes wastage of 10,346 cubic feet.

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year 1901-1902—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6

MINOR FOREST PRODUCE (MAUNDS OF 25 LB.).

<i>Northern Circle.</i>					
Ganjam .. .. .	..	..	..	..	..
Vizagapatam .. .. .	..	190	190	190	..
Gódvári .. .. .	..	..	..	..	..
Kistna	11	..	11	6	5
Kurnool .. .. .	..	..	..	..	..
Bellary .. .. .	..	3,050	3,050	3,050	..
Anantapur .. .. .	..	..	..	..	..
Total ..	11	3,240	3,251	3,246	5
<i>Central Circle.</i>					
Cuddapah .. .. .	..	..	..	..	..
Nellore	4,631	3,009	7,640	4,233	3,407
Chingleput .. .. .	..	..	..	..	..
North Arcot	18	729	747	747	..
South do.	22	3,765	3,787	1,050	2,737
Salem	826	4,790	5,616	900	4,716
Trichinopoly	25	..	25	..	25
Tanjore .. .. .	..	70	70	58	12
Total ..	5,522	12,363	17,885	6,988	10,897
<i>Southern Circle.</i>					
South Canara	30	4,275	4,365	3,388	917
Malabar (North) .. .. .	..	236	236	182	54
Do. (South) .. .. .	..	1	1	1	..
The Nilgiris	2,960	4,528	7,488	4,278	3,210
Coimbatore (North)	12,518	5,269	17,787	14,523	3,264
Do. (South)	96	2,129	2,225	2,152	73
Madura .. .. .	..	..	..	..	..
Tinnevely .. .. .	..	19	19	..	19
Total ..	15,604	16,457	32,061	24,524	7,537
Grand Total ..	21,137	32,060	53,197	34,758	18,439

BAMBOOS (NUMBER).

<i>Northern Circle.</i>					
Ganjam .. .. .	..	..	..	..	..
Vizagapatam .. .. .	..	780	780	780	..
Gódvári .. .. .	..	..	..	..	..
Kistna .. .. .	..	500	500	236	264
Kurnool	5,527	..	5,527	5,527	..
Bellary	1,046	430	1,476	928	548
Anantapur .. .. .	..	..	..	..	..
Total ..	6,573	1,710	8,283	7,471	812
<i>Central Circle.</i>					
Cuddapah .. .. .	..	..	..	..	..
Nellore .. .. .	..	..	..	..	..
Chingleput .. .. .	..	..	..	..	..
North Arcot .. .. .	..	..	..	..	..
South do.	909	85	994	991	3
Salem	27	2,238	2,265	2,264	1
Trichinopoly .. .. .	..	..	..	..	..
Tanjore .. .. .	..	..	..	..	..
Total ..	936	2,323	3,259	3,255	4
<i>Southern Circle.</i>					
South Canara	56	1,442	1,498	210	1,288
Malabar (North) .. .. .	..	5,000	5,000	5,000	..
Do. (South)	76,467	11,654	88,121	76,419	11,702
The Nilgiris .. .. .	..	750	750	750	..
Coimbatore (North)	3,860	22,474	26,334	26,334	..
Do. (South) .. .. .	..	4,356	4,356	4,356	..
Madura .. .. .	..	..	..	..	..
Tinnevely .. .. .	..	..	..	..	..
Total ..	80,383	45,676	126,059	113,069	12,990
Grand Total ..	87,892	49,709	1,37,601	1,23,795	13,806

* Revised figure.

ANNUAL FORM NO. 72-A (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce cut, collected and removed by Consumers or Purchasers during 1901-1902.

MONEY VALUE OF SALES.

District.	Timber.	Firewood and charcoal.	Bamboos.	Timber.		Firewood and charcoal.		Bamboos.		Grazing and fodder grass.		Minor produce.		Total.
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	
														RS.
Northern Circle.														
Ganjām ..	C. FEET. 314,229	C. FEET. 689,083	NO. 1,741,755	RS. 27,103	RS. 27,103	RS. 9,186	RS. 9,186	RS. 6,847	RS. 6,847	RS. 10,026	RS. 10,026	RS. 6,640	RS. 6,632	RS. 59,802
Vizagapatam ..	70,033	270,562	835,390	4,730	4,730	5,912	5,912	6,939	6,939	4,241	4,241	12,609	12,609	34,431
Gōdāvari ..	329,074	731,819	12,404,718	39,649	39,649	12,266	12,266	58,117	58,117	21,299	21,299	38,028	38,028	1,69,989
Kistna ..	242,204	400,880	220,646	15,232	15,232	11,136	11,136	2,329	2,329	65,682	65,682	18,152	18,152	1,18,009
Kurnool ..	190,229	829,839	4,499,300	21,115	21,115	16,270	16,270	17,849	17,849	47,182	47,182	38,892	38,892	1,39,308
Bellary ..	190,490	264,254	95,408	12,513	12,513	4,754	4,754	1,907	1,907	44,034	44,034	75,077	75,077	1,50,688
Anantapur ..	46,785	170,594	14,485	5,914	5,914	3,379	3,379	503	503	29,895	29,895	50,600	50,600	1,19,941
Total ..	1,382,044	3,157,031	19,811,602	1,26,256	1,26,256	62,903	62,903	94,491	94,491	2,22,359	2,22,359	2,38,598	2,38,598	7,53,175
Central Circle.														
Cuddapah ..	180,764	549,644	1,301,870	13,732	13,732	11,108	11,073	4,299	4,278	36,281	36,281	43,046	42,988	1,07,800
Nellore ..	55,948	70,246	45,400	6,213	6,213	4,198	32,816	188	188	38,393	38,393	69,614	69,591	1,47,201
Chingleput ..	34,152	89,972	2,504	2,211	2,211	6,772	6,829	24	24	13,527	13,549	5,592	12,685	35,313
North Arcot ..	29,950	392,317	4,439,300	4,813	4,813	16,894	20,281	22,197	20,324	24,624	24,635	17,142	33,591	1,08,644
South do. ..	13,837	585,272	1,076,267	1,639	1,639	36,353	38,614	2,958	2,958	49,435	49,461	25,417	24,093	1,16,755
Salem ..	441,809	339,974	5,298,225	30,856	30,856	8,897	8,896	30,650	27,872	58,058	58,143	45,287	38,067	1,68,871
Tanjore ..	12,926	367,992	2,982	808	808	8,362	8,561	298	298	1,172	1,172	4,752	4,804	16,633
Trichinopoly ..	22,563	1,953,741	248,701	1,952	1,952	31,840	27,113	1,756	1,711	13,177	13,494	7,589	10,707	54,977
Total ..	791,949	4,349,158	12,415,549	62,004	61,264	1,61,424	1,54,173	62,370	57,653	2,34,667	2,35,113	2,18,439	2,36,486	7,44,694
Southern Circle.														
South Canara ..	13,918	691,049	113,151	3,479	3,479	10,817	11,325	1,697	1,597	4,111	4,111	18,675	11,770	32,382
North Malabar ..	4,997	4,440	14,838	2,451	2,451	71	71	254	254	2,022	2,022	1,142	1,142	5,940
South do. ..	123,477	48,451	110,536	18,395	18,405	701	701	2,790	2,790	85	85	2,050	2,165	24,146
The Nilgiris ..	14,702	9,591	361,437	2,279	2,279	427	427	3,322	3,322	9,161	9,161	897	897	16,086
North Coimbatore ..	21,726	299,321	5,241,160	2,815	2,809	13,789	13,789	6,202	6,202	35,036	35,036	6,037	5,991	63,827
South do. ..	27,795	750,007	2,435,600	10,821	10,821	17,171	16,134	7,573	7,573	8,069	8,069	7,737	7,395	49,992
Madura ..	180,376	442,205	103,300	11,477	11,477	25,227	24,841	3,262	3,262	19,636	19,636	33,841	33,841	93,057
Tinnevely ..	36,771	1,149,204	79,556	387	387	41,166	39,283	752	661	4,471	4,471	37,083	25,072	69,874
Total ..	423,763	3,394,268	6,459,578	52,104	52,108	1,09,369	1,06,571	25,852	25,761	82,591	82,591	1,10,126	88,273	3,55,304
Grand Total ..	2,597,756	10,900,457	38,686,729	2,40,364	2,39,658	3,33,696	3,24,672	1,82,713	1,77,905	5,39,617	5,40,068	5,67,163	5,70,900	18,53,173
Add outstandings at the close of 1900-1901 ..														1,93,800
Total ..														20,56,853
Deduct amount realized as per Form No. 59 ..														18,53,173
Balance outstanding on 30th June 1902 ..														2,03,680

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

ABSTRACT showing the Value of Timber and other Produce at sale depots for the year 1901-1902.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
Northern Circle.									
Ganjām ..	Sāl .. ..	..	3,383	RS. 1,269	..	7,057	RS. 2,646	RS. 1,377	..
	Miscellaneous ..	..	9,421	2,262	..	16,505	4,125	1,863	..
	Total, timber ..	..	12,804	3,531	..	23,562	6,771	3,240	..
Vizaga- patam. ..	Miscellaneous timber ..	..	1,197	1,021	..	506	408	..	613
	Minor produce ..	..	..	5	..	..	..	..	5
	Fuel .. ..	..	1,289	50	..	5,530	214	164	..
Gódvári ..	Miscellaneous timber ..	..	7,768	4,210	..	3,081	2,633	..	1,577
	Fuel .. ..	..	..	..	..	7,803	4,583	4,583	..
	Miscellaneous timber ..	..	593	545	..	55	50	..	495
Kistna ..	Bamboos ..	..	..	..	264	..	5	5	..
	Fuel .. ..	..	22,994	1,365	..	3,640	1,493	128	..
	Minor produce ..	MDS. 11	..	8	MDS. 5	..	4	..	4
Kurnool ..	Teak .. ..	..	73	73	..	12	12	..	61
	Miscellaneous ..	..	1,527	763	..	4,249	4,343	3,580	..
	Total, timber ..	..	1,600	836	..	4,261	4,355	3,519	..
..	Fuel .. ..	..	116,105	6,828	..	187,903	11,052	4,224	..
	Bamboos ..	5,527	..	110	..	..	..	..	110
	Teak .. ..	..	1,684	88	..	902	50	..	38
Bellary ..	Miscellaneous ..	..	8,796	800	..	51,540	1,800	1,000	..
	Total, timber ..	..	10,480	888	..	52,442	1,850	962	..
	Fuel .. ..	..	86,640	8,525	..	109,840	9,985	1,460	..
Anantapur.	Bamboos ..	1,046	..	62	548	..	32	..	30

Central Circle.									
Cuddapah ..	Miscellaneous timber ..	..	22,555	6,756	..	32,809	9,797	3,041	..
	Fuel .. ..	..	24,752	1,180	..	62,742	3,016	1,836	..
	Miscellaneous timber ..	..	..	..	..	298	62	62	..
Nellore ..	Fuel .. ..	..	162,263	15,849	..	15,696	1,759	..	14,090
	Minor produce ..	MDS. 4,648	..	3,280	MDS. 3,407	..	2,585	..	695
	Fuel .. ..	..	12,260	122	..	1,710	17	..	105
Chingleput.	Miscellaneous timber ..	..	150	75	..	49	133	58	..
	Fuel .. ..	..	1,542	34	..	898	95	61	..
	Minor produce ..	MDS. 18	..	18	MDS. ..	..	..	..	18
North Arcot.	Miscellaneous timber ..	..	199	24	..	498	60	36	..
	Fuel .. ..	..	662	35	..	1,107	60	25	..
	Bamboos ..	909	..	14	3	..	..	..	14
South Arcot.	Minor produce ..	MDS. 22	..	22	MDS. 2,737	..	18,463	18,381	..
	Sandalwood ..	..	148	1,480	..	340	3,400	1,920	..
	Miscellaneous ..	..	218	218	..	749	592	374	..
Salem ..	Total, timber ..	..	366	1,698	..	1,089	3,992	2,294	..
	Fuel .. ..	..	61,619	963	..	121,522	2,532	1,569	..
	Bamboos ..	27	..	20	1	..	1	..	19
Trichinopoly ..	Minor produce ..	MDS. 826	..	126	MDS. 4,716	..	997	871	..
	Fuel .. ..	..	13,680	9,219	..	44,383	7,228	..	1,991
	Minor produce ..	MDS. 25	..	87	MDS. 25	..	87	..	..
Tanjore ..	Fuel .. ..	..	..	..	..	26,400	3,960	3,960	..
	Minor produce ..	..	..	..	12	..	7	7	..

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
South Canara.	<i>Southern Circle.</i>			RS.			RS.	RS.	RS.
	Rosewood ..	..	509	636	..	..	..	..	636
	Miscellaneous ..	..	85,645	60,853	..	72,470	3,233	..	57,620
	Total, timber ..	..	86,154	61,489	..	72,470	3,233	..	58,256
	Fuel ..	..	47,933	755	..	..	..	..	755
	Bamboos ..	56	..	5	1,288	..	129	124	..
North Malabar.	Minor produce ..	MDS. 30	..	262	MDS. 917	..	3,338	3,076	..
	Teak ..	..	51,048	25,524	..	79,621	44,787	19,263	..
	Rosewood ..	..	979	489	..	2,660	1,497	1,008	..
	Vengai ..	..	11,863	5,931	..	18,886	10,623	4,692	..
	Miscellaneous ..	..	59,138	10,724	..	94,473	11,809	1,085	..
	Total, timber ..	..	123,028	42,668	..	195,640	68,716	26,048	..
South Malabar.	Fuel ..	..	470	60	..	..	..	..	60
	Minor produce ..	..	..	..	MDS. 54	..	638	638	..
	Teak ..	..	* 15,307	35,785	..	15,953	9,415	..	..
	Rosewood ..	..	401			..			
	Hopea ..	..	1,632			..			
	Ironwood ..	..	29,282	..	3,455	..	..
Terminalia tomentosa ..	..	33,378	..	698	..	..	
Miscellaneous ..	..	* 5,224	..	99	..	..	
The Nilgiris.	Total, timber ..	..	85,224	35,785	..	20,205	9,415	..	26,370
	Fuel ..	..	481	50	..	337	45	..	5
	Bamboos ..	76,467	..	1,529	11,702	..	230	..	1,299
	Teak ..	..	78	273	..	34	101	..	172
	Miscellaneous ..	..	18,400	1,382	..	23,051	1,843	461	..
	Total, timber ..	..	18,478	1,655	..	23,085	1,944	289	..
North Coimbatore.	Fuel ..	..	262,091	1,434	..	218,097	1,783	349	..
	Minor produce ..	MDS. 2,960	..	2,500	MDS. 3,210	..	2,900	400	..
	Teak ..	..	348	450	..	1,122	1,200	750	..
	Vengai ..	..	514	520	..	1,228	1,240	720	..
	Sandalwood ..	..	200	300	..	2,527	25,270	24,970	..
	Miscellaneous ..	..	739	180	..	1,235	950	770	..
South Coimbatore.	Total, timber ..	..	1,801	1,450	..	6,112	28,660	27,210	..
	Fuel ..	..	2,412	38	..	2,412	38	..	..
	Bamboos ..	3,860	..	90	..	..	..	..	90
	Minor produce ..	MDS. 12,518	..	25,826	MDS. 3,264	..	4,238	..	21,588
	Teak ..	..	12,685	25,013	..	2,929	6,173	..	18,840
	Rosewood ..	..	252	599	..	128	384	..	215
Madura.	Miscellaneous ..	..	175,683	7,503	..	131,146	6,913	..	590
	Total, timber ..	..	188,620	33,115	..	134,203	13,470	..	19,645
	Fuel ..	..	118,880	1,872	..	56,880	1,027	..	845
	Minor produce ..	MDS. 96	..	4	MDS. 73	..	4	..	..
	Miscellaneous timber ..	..	..	..	..	152	76	76	..
	Fuel ..	..	600	94	..	17,340	760	666	..
Tinnevely.	Hopea ..	..	2,038	3,057	..	..	..	..	3,057
	Miscellaneous ..	..	53	53	..	153	115	62	..
	Total, timber ..	..	2,091	3,110	..	153	115	..	2,995
	Fuel ..	..	1,750	140	..	..	..	..	140
	Minor produce ..	..	..	..	MDS. 19	..	38	38	..

* Revised figures.

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.

ABSTRACT.

<i>Northern Circle.</i>				RS.			RS.	RS.	RS.
Timber .. ..	..	..	34,442	11,031	..	83,907	16,067	5,036	..
Fuel .. ..	..	..	227,028	16,768	..	314,716	27,327	10,559	..
Bamboos	6,573	..	..	172	812	..	37	..	135
	MDS.				MDS.				
Minor produce ..	11	..	..	13	5	..	4	..	9
<i>Central Circle.</i>									
Timber .. ..	..	..	23,270	8,553	..	34,743	14,044	5,491	..
Fuel .. ..	..	..	276,778	27,402	..	274,458	18,667	..	8,730
Bamboos	936	..	..	34	4	..	1	..	33
	MDS.				MDS.				
Minor produce ..	5,539	..	..	3,533	10,897	..	22,079	18,546	..
<i>Southern Circle.</i>									
Timber .. ..	..	..	505,396	1,79,272	..	452,020	1,25,629	..	53,643
Fuel .. ..	..	..	434,617	4,443	..	295,066	3,653	..	790
Bamboos	80,383	..	..	1,624	12,990	..	359	..	1,265
	MDS.				MDS.				
Minor produce ..	15,604	..	..	28,592	7,537	..	11,156	..	17,436

GRAND TOTAL.

				RS.			RS.	RS.	RS.
Timber .. ..	..	..	563,108	1,98,856	..	570,670	1,55,740	..	43,116
Fuel .. ..	..	..	938,423	48,613	..	884,240	49,647	1,034	..
Bamboos	87,892	..	..	1,830	13,806	..	397	..	1,433
	MDS.				MDS.				
Minor produce ..	21,154	..	..	32,138	18,439	..	33,239	1,101	..

SUMMARY of Revenue of the different districts for the Forest year 1901-1902.

ANNUAL REPORT OF THE

Budget head	Northern Circle.										Central Circle.				
	Northern Circle.										Central Circle.				
	Direction.	Ganjam.	Vizagapatnam.	Godavari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	
I															
Receipts.															
I. Timber and other produce removed from the forests by Government Agency—															
(a) Timber	..	7,135	1,633	1,402	13	7,176	3,353	..	20,712	..	177	3,409	..	873	
(b) Firewood and charcoal	..	15	2,835	4,637	8,559	31,540	18,759	..	66,345	..	47,454	402	5,993	500	
(c) Bamboos	170	49	..	219	27	
(d) Sandalwood	1,467	..	1,467	3,322	
(e) Grass and other minor produce	79	..	4	..	283	40	406	..	2,560	139	
II. Timber and other produce removed from the forests by consumers or purchasers—															
(a) Timber	..	27,103	4,730	39,649	15,232	21,115	12,513	5,914	1,26,256	..	6,213	12,730	2,216	4,813	
(b) Firewood and charcoal	..	9,186	5,912	12,266	12,161	16,270	4,754	3,379	63,928	..	32,816	11,073	6,829	20,281	
(c) Bamboos	..	6,847	6,939	58,117	17,849	17,849	1,907	503	94,491	..	188	4,278	24	20,324	
(d) Grazing and fodder grass	..	10,026	4,241	21,299	65,682	47,182	44,034	29,895	2,22,359	..	38,393	36,281	18,549	24,635	
(e) Other produce	..	6,632	12,609	38,628	23,205	48,272	56,733	60,062	2,46,141	..	69,591	42,938	12,685	33,591	
III. Confiscated drift and waifwood	..	367	299	8,146	76	1,529	18	1	10,436	..	1,065	619	89	239	
IV. Revenue from forests not managed by Government															
V. Miscellaneous—															
(a) Fines and forfeitures	..	17	..	833	100	14	..	20	984	..	310	111	96	866	
(b) Other sources	..	581	1,790	5,639	12,207	4,269	5,813	2,537	32,837	2	4,770	5,971	243	975	
Total, Receipts	1	67,909	41,067	1,90,616	1,39,568	1,95,386	1,49,683	1,02,351	8,86,581	2	2,03,537	1,17,812	41,734	1,10,585	
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ANNUAL FORM No. 59--cont.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1901-1902--cont.

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks ..	..	12,045	1,004	329	776	473	416	657	27	15,727
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber ..	..	..	4,057	..	411	10	1,446	20	502	6,446
(b) Firewood and charcoal ..	..	19,538	615	2,161	749	147	59,129	10,537	3,408	1,26,284
(c) Bamboos ..	..	..	..	..	..	..	58	..	..	58
(d) Sandalwood ..	..	..	..	..	208	..	630	..	..	838
(e) Grass and other minor produce ..	..	2,662	..	..	8	16	488	20	10	3,204
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	8,022	10,465	1,731	1,189	2,330	7,095	1,891	495	33,218
III. Confiscated, drift and waiwood ..	..	47	37	..	68	1	12	7	1	173
IV. Revenue from forests not managed by Government ..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government ..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..
(c) Stores, tools and plant ..	3,635	882	195	116	226	22	1,043	42	3	6,164
VII. Communications and buildings—										
(a) Roads and bridges ..	..	..	5	..	10,955	168	2,373	..	..	13,501
(b) Buildings ..	12	485	1,517	822	8,718	509	1,595	275	25	13,958
(c) Other works ..	..	796	74	41	458	329	1,126	..	..	2,824
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation ..	..	1,565	1,048	807	959	210	630	796	46	6,061
(b) Cost of forest settlement; compensation for land and rights ..	..	82	132	31	923	..	10	180	..	1,338
(c) Surveys—										
(1) Local ..	296	912	330	367	269	257	820	360	..	3,611
(2) Imperial ..	16,953	..	..	..	..	..	..	..	..	16,953
(d) Working plans ..	33	221	33	49	152	121	107	185	..	901
(e) Sowing and planting ..	..	10,983	1,051	578	1,581	2,104	58	942	722	18,019
(f) Protection from fire ..	..	1,152	4,316	536	4,452	2,091	1,859	146	..	14,552
(g) Other works ..	..	1,664	3,042	1,956	7,877	8,560	7,979	3,655	499	35,232
IX. Miscellaneous—										
(a) Law charges ..	1	29	24	1	26	151	72	193	..	195
(b) Other charges ..	1	10	49	20	749	20	223	99	..	1,171
Total, A—Conservancy and works ..	20,931	61,095	27,994	9,545	40,754	17,217	1,17,149	20,005	5,738	3,20,428

MADRAS,
1st September 1902.(Signed) W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 59—cont.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1901-1902—cont.

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevely.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>I.—Refunds and Drawbacks.</i>		156	61	3,141	2,987	442	1,868	22	233	8,910
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber ..	10	2,731	801	13,406	225	251	10,013	9,688	3,708	40,808
(b) Firewood and charcoal ..		13,377	..	1,503	8,337	3,019	13	..	132	26,381
(c) Bamboos ..		..	489	..	..	..	291	341	112	1,233
(d) Sandalwood ..		220	6,007	..	..	4	..	..	..	6,231
(e) Grass and other minor produce ..		2,228	5,388	2,876	..	29	1,140	..	5,951	17,612
II. Timber and other produce removed from the forests by consumers or purchasers ..		1,043	3,362	6,385	3,189	1,038	449	31	4,889	20,386
III. Confiscated drift and waifwood ..		..	11	194	1	38	4	4	12	259
IV. Revenue from forests not managed by Government ..		..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government ..		4,260	..	2,500	..	..	..	3,948	..	10,708
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle ..		..	..	444	..	..	1,494	563	..	2,501
(b) Feed and keep of cattle ..		2,501	..	8,247	..	..	13,496	6,833	1,251	32,328
(c) Stores, tools and plant ..	171	179	458	2,328	431	427	158	1,112	624	5,888
VII. Communications and buildings—										
(a) Roads and bridges ..		1,412	20,434	2,497	123	4,326	1,902	1,280	46	32,020
(b) Buildings ..		1,076	4,134	5,573	2,593	2,232	2,495	4,192	1,939	24,234
(c) Other works ..		89	343	3,725	325	10	204	160	30	4,886
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation ..		1,770	3,495	69	721	1,470	214	549	4,862	13,150
(b) Cost of forest settlement: compensation for land and rights ..		..	41	..	115	1,312	..	..	..	1,468
(c) Surveys—										
(1) Local ..		360	360	62	208	373	284	129	867	2,643
(2) Imperial ..	25,686	..	..	..	..	..	..	..	..	25,686
(d) Working plans ..	583	..	..	..	157	..	15	122	..	877
(e) Sowing and planting ..	23	1,742	113	184	394	337	2,460	9,499	120	14,872
(f) Protection from fire ..		2,185	1,103	2,345	1,733	2,299	879	2,686	1,254	14,484
(g) Other works ..		884	5,967	1,309	7,469	4,069	1,113	1,147	87	22,045
IX. Miscellaneous—										
(a) Law charges ..	1	3	..	..	..	32	..	1	329	360
(b) Other charges ..	308	2,981	210	855	106	137	129	253	185	5,167
Total A, Conservancy and works ..	26,762	39,191	52,777	57,646	29,114	21,840	38,621	42,560	26,626	3,35,137

MADRAS,
1st September 1902.

(Signed)

W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 59—cont.

SUMMARY of Expenditure of the different Districts for the Forest year 1901-1902.

Budget heads.	Northern Circle.										Central Circle.										Southern Circle.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Ganjam.					Vizagapatnam.					Godavari.					Kistna.					Kurnool.					Bellary.					Anantapur.					Total.					Direction.					Nellore.					Cuddapah.					Chingleput.					North Arcot.					South Arcot.					Salem.					Trichinopoly.					Tanjore.					Total.					Direction.					Nilgiris.					North Coimbatore.					South Coimbatore.					Madura.					Tinnevely.					North Malabar.					South Malabar.					South Canara.					Total.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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MADRAS,
1st September 1902.

(Signed)

W. I. BRYNING,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1901-1902 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1901-1902.	1900-1901.
1	2	3	4	5	6
RECEIPTS.					
I. Timber and other produce removed from the forests by Government Agency—	RS.	RS.	RS.	RS.	RS.
(a) Timber	20,712	9,971	1,15,669	1,46,352	2,77,285
(b) Firewood	66,345	2,02,091	27,921	2,96,357	2,12,429
(c) Bamboos	219	179	1,764	2,162	7,821
(d) Sandalwood	1,467	5,857	14,108	21,432	41,208
(e) Grass and other minor produce	406	3,459	36,798	40,663	47,195
Total, I ..	89,149	2,21,557	1,96,260	5,06,966	5,85,938
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,26,256	61,264	52,108	2,39,628	2,79,553
(b) Firewood and charcoal	63,928	1,54,173	1,06,571	3,24,672	3,15,946
(c) Bamboos	94,491	57,653	25,761	1,77,905	1,50,206
(d) Grazing and fodder grass	2,22,359	2,35,118	82,591	5,40,068	5,10,451
(e) Other produce	2,46,141	2,36,486	88,273	5,70,900	4,75,916
Total, II ..	7,53,175	7,44,694	3,55,304	18,53,173	17,32,072
III. Confiscated drift and waifwood	10,436	2,785	2,649	15,870	13,347
V. Miscellaneous—					
(a) Fines and forfeitures	984	4,297	547	5,828	5,744
(b) Other sources	32,837	49,253	32,567	1,14,657	1,06,672
Total, V ..	33,821	53,550	33,114	1,20,485	1,12,416
Grand Total, Receipts ..	8,86,581	10,22,586	5,87,327	24,96,494	24,43,773
EXPENDITURE.					
<i>A.—Conservancy and Works.</i>					
Refunds	2,175	15,727	8,910	26,812	15,026
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	11,026	6,446	40,808	58,280	1,49,170
(b) Firewood	43,965	1,26,284	26,381	1,96,630	1,27,214
(c) Bamboos	57	58	1,233	1,348	8,449
(d) Sandalwood	269	838	6,231	7,338	7,545
(e) Grass and other minor produce	144	3,204	17,612	20,960	20,899
Total, A-I ..	55,461	1,36,830	92,265	2,84,556	3,13,277
II. Timber and other produce removed from the forests by consumers or purchasers	52,452	33,218	20,386	1,06,056	1,04,014
III. Confiscated drift and waifwood	1,357	173	259	1,789	1,781
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,000	..	10,708	20,708	17,905
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	1,279	..	2,501	3,780	3,884
(b) Feed and upkeep of cattle	3,338	..	32,328	35,666	41,884
(c) Stores, tools and plant	5,046	6,164	5,888	17,098	16,581
Total, A-VI ..	9,663	6,164	40,717	56,544	62,349
VII. Communications and buildings—					
(a) Roads and bridges	8,489	13,501	32,020	54,010	32,483
(b) Buildings	10,645	13,958	24,234	48,837	42,377
(c) Other works	3,281	2,824	4,886	10,991	6,960
Total, A-VII ..	22,415	30,283	61,140	1,13,838	81,820
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	11,338	6,061	13,150	30,549	29,614
(b) Cost of forest settlement, compensation for land and rights	1,478	1,338	1,468	4,284	3,952
(c) { (1) Local surveys	5,533	3,611	2,643	11,787	13,992
(2) Surveys of India	19,486	16,953	25,686	62,125	68,448
(d) Working plans	504	901	877	2,282	2,568
(e) Sowing and planting	10,986	18,019	14,872	43,877	46,804
(f) Protection from fire	9,102	14,552	14,484	38,138	34,206
(g) Other works	19,200	35,232	22,045	76,477	73,656
Total, A-VIII ..	77,627	96,667	95,225	2,69,519	2,73,240

Summary of Receipts and Expenditure during 1901-1902 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1901-1902.	1900-1901.
1	2	3	4	5	6
EXPENDITURE—<i>cont.</i>					
	RS.	RS.	RS.	RS.	RS.
<i>A.—Conservancy and Works—cont.</i>					
IX. Miscellaneous—					
(a) Law charges	57	195	360	612	563
(b) Other charges	453	1,171	5,167	6,791	6,075
Total, A-IX ..	510	1,366	5,527	7,403	6,638
Total, A.—Conservancy and Works ..	2,31,660	3,20,428	3,35,137	8,87,225	8,76,050
<i>B.—Establishments.</i>					
I. Salaries—					
(a) Conservators	19,101	14,305	18,750	52,156	49,598
(b) Superior officers	69,934	93,678	81,443	2,45,055	2,51,646
(c) Subordinate forest and depot establishments.	68,182	86,146	79,829	2,34,157	2,35,957
(d) Office establishments	33,816	40,405	39,429	1,13,650	1,09,919
(e) Deputation and Special allowances ..	..	..	..	..	..
(f) Exchange compensation allowances ..	4,574	3,873	4,963	13,410	14,063
Total, B-I ..	1,95,607	2,38,407	2,24,414	6,58,428	6,61,183
II. Travelling allowances—					
(a) Conservators	2,985	2,455	3,078	8,518	9,893
(b) Superior officers	16,049	16,504	16,015	48,568	50,716
(c) Subordinate forest and depot establishments.	18,189	25,596	22,964	66,749	65,503
(d) Office establishments	6,039	7,303	6,956	20,298	19,634
Total, B-II ..	43,262	51,858	49,013	1,44,133	1,45,746
III. Contingencies—					
(a) Stationery .. .. .	..	..	..	..	..
(b) Rents, rates and taxes	1,974	759	894	3,627	2,994
(c) Official postage and service telegrams ..	7,787	9,546	5,701	23,034	21,917
(d) Sundries	9,867	10,274	9,533	29,674	30,300
Total, B-III ..	19,628	20,579	16,128	56,335	55,211
Total, B.—Establishments ..	2,58,497	3,10,844	2,89,555	8,58,896	8,62,140
Grand Total, Expenditure ..	4,90,157	6,31,272	6,24,692	17,46,121	17,38,190
Surplus ..	+ 3,96,424	+ 3,91,314	— 37,365	+ 7,50,373	7,05,583
Deficit ..	..	..	..	..	..
Total ..	8,86,581	10,22,586	5,87,327	24,96,494	24,43,773

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1901-1902.

District.	Department Debtor.			Department Creditor.			Balance Due	
	At commence- ment of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commence- ment of year.	Payments made during year.	At close of year.	To department (outstand- ings).	By department (liabilities).
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
<i>Northern Circle.</i> Conservator, Northern Circle	6,741 10 10	6,741 10 10	119 3 0	6,655 5 3	6,774 8 3	32 13 5	..
Forest Settlement-officer, Kistna, &c., districts.	..	463 0 6	463 0 6	36 11 8	469 8 0	506 3 8	43 3 2	..
Forest Working Plans Officer	1,002 15 9	1,002 15 9	30 15 10	973 10 2	1,004 10 0	1 10 3	..
Ganjām	33,493 3 3	33,493 3 3	573 7 5	34,145 9 4	34,719 0 9	1,225 13 6	..
Vizagapatam	20,575 9 4	20,575 9 4	1,387 9 6	19,435 2 10	20,822 12 4	247 3 0	..
Gódvári	64,843 15 7	64,843 15 7	15,60 3 6	65,113 10 3	66,673 18 9	1,829 14 2	..
Kistna	62,977 5 3	62,977 5 3	1,122 6 5	62,902 11 7	64,025 2 0	1,047 12 9	..
Kurnool	87,678 4 11	87,678 4 11	2,529 3 3	88,996 4 1	91,525 7 4	3,847 2 5	..
Bellary	67,462 4 6	67,462 4 6	1,778 13 7	67,725 1 7	69,503 15 2	2,041 10 8	..
Anantapur	20,268 2 8	20,268 2 8	787 11 7	20,786 10 5	21,524 6 0	1,256 3 4	..
Total	3,65,506 8 7	3,65,506 8 7	9,926 5 9	3,67,153 9 6	3,77,079 15 3	11,573 6 8	..
<i>Central Circle.</i> Conservator, Central Circle	1,899 3 9	1,899 3 9	31 13 7	2,346 7 6	2,378 5 1	479 1 4	..
Forest Settlement-officer, Trichinopoly, &c., districts	2,092 2 1	2,092 2 1	87 11 1	2,067 2 6	2,154 13 7	62 11 6	..
Forest Working Plans Officer	1,877 14 11	1,877 14 11	— 947 14 8	2,840 11 2	1,892 12 6	14 13 7	..
Nellore	73,978 1 0	73,978 1 0	1,894 4 11	74,079 12 10	75,974 1 9	1,996 0 9	..
Cuddapah	56,007 5 4	56,007 5 4	1,934 8 7	54,848 13 4	56,783 5 11	776 0 7	..
Chingleput	20,646 15 1	20,646 15 1	159 4 5	20,716 2 7	20,875 7 0	228 7 11	..
North Arcot	86,674 0 3	86,674 0 3	26,75 14 0	86,441 6 8	89,117 4 8	2,443 4 5	..
South do.	38,786 10 6	38,786 10 6	1,313 12 7	38,276 1 6	39,589 14 1	803 3 7	..
Salem	1,11,191 12 3	1,11,191 12 3	3,449 14 7	1,11,120 15 11	1,14,570 14 6	1,195 12 5*	..
Trichinopoly	31,516 6 10	31,516 6 10	2,882 4 7	29,321 2 2	32,203 6 9	2,183 5 10†	..
Tanjore	11,994 6 9	11,994 6 9	559 2 9	11,759 3 10	12,318 6 7	686 15 11	..
Total	4,56,664 14 9	4,56,664 14 9	14,040 12 5	4,33,818 0 0	4,47,858 12 5	11,193 13 8	..
<i>Southern Circle.</i> Conservator, Southern Circle	6,922 12 5	6,922 12 5	18 6 9	6,926 4 7	6,944 11 4	21 14 11	..
Forest Settlement-officer, Malabar, &c., districts.	..	12 4 11	12 4 11	12 4 11	..	12 4 11	..	..
Forest Settlement-officer, Trichinopoly, &c., districts	2,092 2 2	2,092 2 2	62 14 2	2,067 2 6	2,130 0 8	27 14 6	..
Forest Working Plans Officer	265 8 0	265 8 0	36 0 0	227 0 0	263 0 0	— 2 8 0	..
The Nilgiris	60,324 8 4	60,324 8 4	2,137 14 5	59,873 6 0	62,011 4 5	1,686 12 1	..
North Coimbatore	91,407 14 2	91,407 14 2	1,837 13 0	93,994 8 6	95,832 5 6	4,424 7 4	..
South do.	57,612 12 9	57,612 12 9	1,874 1 2	57,370 14 7	59,244 15 9	1,632 3 0	..
Madura	48,401 13 7	48,401 13 7	679 5 11	48,034 15 9	48,714 5 8	312 8 1	..
Tinnevely	48,189 1 9	48,189 1 9	735 7 9	49,281 10 6	50,017 2 3	1,828 0 6	..
North Malabar	47,929 15 11	47,929 15 11	2,386 15 0	48,227 11 7	50,614 10 7	2,684 10 8	..
South do.	52,946 11 4	52,946 11 4	3,556 3 0	50,421 7 7	53,977 10 7	1,030 15 3	..
South Canara	40,545 12 2	40,545 12 2	1,133 11 2	40,300 8 1	41,434 3 3	888 7 1	..
Total	4,56,651 5 6	4,56,651 5 6	14,471 1 3	4,56,725 9 8	4,71,196 10 11	14,545 5 5	..

* North Salem.

† South Salem.

MADRAS,
1st September 1902.(Signed) W. I. BRYNING,
Chief Superintendent.

REVENUE received and Outstandings on account of Revenue during the Forest year 1901-1902.

District.	Particulars.	Outstandings at commence- ment of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Direction	Timber and other forest produce ..	..	1 0 0	1 0 0	1 0 0	..
Ganjām	Do. do.	67,547 1 0	67,547 1 0	67,547 1 0	67,366 13 11	180 3 1
Vizagapatam	Do. do.	41,780 0 9	41,780 0 9	41,780 0 9	41,068 0 9	712 0 0
Gōdāvari	Do. do.	4,706 4 9	1,87,663 5 1	1,92,369 9 10	1,90,433 10 4	1,935 15 6
Kistna	Do. do.	7,503 13 11	1,30,534 13 11	1,38,038 11 10	1,36,921 3 0	1,117 8 10
Kurnool	Do. do.	13,952 2 4	1,86,097 9 10	2,00,049 12 2	1,93,432 7 6	6,582 0 8
Bellary	Do. do.	296 3 2	1,66,537 1 9	1,66,833 4 11	(a) + 35 4 0	17,144 13 2
Anantapur	Do. do.	29,112 8 4	53,116 5 3	1,22,228 13 7	1,49,688 7 9	16,846 2 6
					(b) + 1,887 0 0	
					(c) + 1,540 0 0	
					(a) + 900 5 10	
	Total ..	55,571 0 6	8,73,277 5 7	9,28,848 6 1	8,79,967 0 6	44,518 11 9
					+ 4,362 9 10	
Direction	Timber and other forest produce ..	..	..	..	..	..
Nellore	Do. do.	4,445 2 3	2,07,609 4 7	2,12,054 6 10	2,03,537 0 0	8,517 6 10
Cuddapah	Do. do.	7,390 7 9	1,13,664 3 9	1,21,054 11 6	1,17,812 0 6	3,240 6 0
Chingleput	Do. do.	4,441 15 8	38,825 11 4	43,267 11 0	(d) + 2 5 6	1,516 3 0
North Arcot	Do. do.	50,771 15 11	92,542 9 10	1,43,314 9 9	41,734 0 0	32,729 9 9
South Arcot	Do. do.	4,028 5 4	1,18,778 8 3	1,22,806 13 7	(e) + 17 8 0	2,838 1 7
Tanjore	Do. do.	1,614 7 0	23,955 7 3	25,569 14 3	1,10,585 0 0	2,061 14 3
Trichinopoly	Do. do.	11,225 5 2	85,919 3 3	97,144 8 5	1,19,808 0 0	9,051 8 5
Salem	Do. do.	10,018 8 9	3,22,727 15 9	3,32,746 8 6	(f) + 150 0 0	*10,124 3 0
					(g) + 10 12 0	+ 5,115 5 6
	Total ..	93,936 3 10	10,04,023 0 0	10,97,959 3 10	10,22,584 0 0	75,194 10 4
					+ (d to g) 180 9 6	
Direction	Timber and other forest produce ..	..	1 0 0	1 0 0	1 0 0	..
South Canara	Do. do.	6,708 0 0	62,946 0 0	69,449 0 0	57,121 0 0	12,328 0 0
North Malabar	Do. do.	(h) - 205 0 0	24,612 0 0	31,016 0 0	26,784 0 0	4,232 0 0
South do.	Do. do.	6,404 0 0	23,890 0 0	30,294 0 0	93,516 0 0	1,117 0 0
The Nilgiris	Do. do.	(i) - 1,744 0 0	72,818 0 0	94,964 0 0	(h) + 331 0 0	3,737 0 0
North Coimbatore	Do. do.	1,020 0 0	52,553 0 0	53,583 0 0	49,817 0 0	1,544 0 0
South do.	Do. do.	8,284 0 0	85,312 0 0	93,596 0 0	(i) + 29 0 0	3,903 0 0
Madura	Do. do.	1,140 0 0	96,930 0 0	98,070 0 0	92,052 0 0	11,331 0 0
Tinnevely	Do. do.	7,879 0 0	1,05,150 0 0	1,12,748 0 0	94,167 0 0	15,405 0 0
		(j) - 281 0 0	92,853 0 0	93,953 0 0	95,321 0 0	
		1,100 0 0			(m) + 6,096 0 0	
	Total ..	56,435 0 0	5,93,175 0 0	6,47,380 0 0	73,548 0 0	53,597 0 0
		- 2,230 0 0			+ 6,456 0 4	

(a) Written off under Government Order, No. 468, Revenue, dated 28th May 1902, in Board's Proceedings, No. 137, dated 16th June 1902.

(b) Written off under Government Order, No. 748, Revenue, dated 23rd August 1901, in Board's Proceedings, No. 219, dated 12th September 1901.

(c) Written off under Government Order, No. 504, Revenue, dated 31st August 1898, in Board's Proceedings, No. 249, dated 17th September 1898.

(d) Written off under Government Order, No. 435, Revenue, dated 30th May 1901, in Board's Proceedings, No. 150, Land Revenue, dated 8th July 1901.

(e) Written off under Government Order, No. 1060, Revenue, dated 14th November 1901, in Board's Proceedings, No. 284, Land Revenue, dated 28th December 1901.

(f) Written off under Government Order, No. 235, Revenue, dated 19th March 1901, in Board's Proceedings, No. 61, dated 24th March 1901.

(g) Written off under Government Order, No. 748, Revenue, dated 23rd August 1901, in Board's Proceedings, No. 219, dated 12th September 1901.

(h) Deducted on account of the following :—

Cancellation of lease	RS.
Deduction from demand under Collector's order sanctioning reduced seigniorage rates	31
Already collected in the previous year, but not shown as collection of outstanding	150
	18
	205

(i) Deduction due to—

Error in the demand fixed originally	RS.
Want of produce for removal	1,564
	180
	1,744

(j) Deduction due to—

Cancellation of leases	RS.
Deficit found on survey of cardamom areas assigned	278
	3

(k) Written off the accounts under Government Order, No. 468, Revenue, dated 28th May 1902.

(l) Do. do. do. do. 469 ,, ,, 5th June 1901.

(m) Do. do. do. do. 1060 ,, ,, 14th November 1901.

ANNUAL FORM No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1901-1902.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
<i>Northern Circle.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjām	7,150	9,841	60,759	19,078	18,933	67,909	47,852
Vizagapatam	4,547	7,677	36,520	15,191	12,902	41,067	35,770
Gódavari	14,185	15,745	1,76,431	37,661	32,093	1,90,616	85,499
Kistna	8,576	14,403	1,30,992	23,705	38,375	1,39,568	76,483
Kurnool	38,886	49,626	1,56,501	31,438	51,063	1,95,387	1,32,127
Bellary	28,911	30,628	1,25,772	17,447	26,793	1,49,683	74,878
Anantapur	40	107	1,02,311	17,295	20,146	1,02,351	37,548
Total ..	97,295	1,28,027	7,89,286	1,61,825	2,00,395	8,86,581	4,90,157
<i>Central Circle.</i>							
Cuddapah	3,811	9,188	1,14,001	43,414	46,837	1,17,812	99,439
Nellore	50,191	32,578	1,53,346	39,624	31,544	2,03,537	1,03,746
Chingleput	5,993	2,376	35,741	15,934	12,901	41,734	31,211
North Arcot	4,861	5,982	1,05,724	34,408	56,182	1,10,585	96,572
South do.	542	3,200	1,19,266	22,574	27,768	1,19,808	53,542
Salem	1,32,608	1,05,519	1,84,901	41,390	41,260	3,17,509	1,88,169
Trichinopoly	18,988	12,683	69,105	17,591	16,431	88,093	46,705
Tanjore	4,563	4,483	18,945	4,623	2,832	23,508	11,888
Total ..	2,21,557	1,75,959	8,01,029	2,19,558	2,35,755	10,22,586	6,31,272
<i>Southern Circle.</i>							
South Canara	20,628	27,259	36,493	11,725	47,020	57,121	86,004
North Malabar	16,327	52,179	10,457	2,726	18,326	26,784	73,231
South do.	67,293	29,417	26,223	227	37,640	93,516	67,284
The Nilgiris	28,214	46,028	21,603	4,381	30,614	49,817	81,023
North Coimbatore	26,341	24,762	65,711	6,503	67,422	92,052	98,687
South do.	31,422	51,014	62,746	14,041	30,977	94,168	96,032
Madura	1,093	21,962	94,228	9,842	29,044	95,321	60,848
Tinnevely	4,942	11,323	73,606	3,812	46,448	78,548	61,583
Total ..	1,96,260	2,63,944	3,91,067	53,257	3,07,491	5,87,327	6,24,692
Grand Total ..	5,15,112	5,67,930	19,81,382	4,34,640	7,43,551	24,96,494	17,46,121

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, &c., instruments				Tools			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
<i>Northern Circle.</i>		RS.		RS.		RS.		RS.
Direction	45	750	45	712	11	10	11	9
Ganjām	49	623	56	560	311	237	334	239
Vizagapatam	35	1,034	35	978	246	576	236	526
Góddavari	117	782	125	848	1,080	2,424	1,084	2,363
Kistna	76	761	79	959	459	338	436	294
Kurnool	82	769	110	825	839	637	839	374
Bellary	155	309	157	338	394	387	416	405
Anantapur	71	210	50	224	493	761	179	137
Total, Northern Circle ..	630	5,238	657	5,444	3,833	5,370	3,530	4,847
<i>Central Circle.</i>								
Direction	46	858	46	818	6	13	6	11
Cuddapah	87	1,029	87	978	443	1,122	447	1,084
Nellore	143	888	161	861	1,037	320	1,132	269
Chingleput	39	369	47	518	417	441	367	449
North Arcot	190	1,431	188	1,412	1,457	1,744	1,635	2,211
South do.	106	1,100	104	976	{ cwt. 33	107	{ cwt. 33	102
Salem (a)	159	1,627	162	1,500	263	11	237	10
Trichinopoly	42	147	43	222	2,356	2,000	2,670	1,966
Tanjore	20	75	20	74	166	74	176	105
					71	37	45	25
Total, Central Circle ..	832	7,524	858	7,359	{ 6,216 cwt. 33	5,762 107	{ 6,715 cwt. 33	6,130 102
<i>Southern Circle.</i>								
Direction	57	1,235	50	715	3	45	7	48
South Canara	119	879	116	789	481	621	434	566
North Malabar	26	963	25	850	535	1,348	369	1,180
South do.	34	539	36	543	778	422	726	419
The Nilgiris	129	1,070	116	986	649	1,634	771	1,022
North Coimbatore	73	771	77	766	555	479	880	1,066
South do.	80	798	79	779	1,792	2,793	1,941	2,782
Madura	112	2,190	124	2,172	266	337	257	322
Tinnevely	130	712	128	622	539	146	440	92
Total, Southern Circle ..	760	9,157	751	8,222	5,598	7,825	5,825	7,497
Total, Presidency ..	2,222	21,919	2,266	21,025	{ 15,647 cwt. 33 }	19,064	{ 16,070 cwt. 33 }	18,576

(a) The difference in the number of articles under each head as compared with those of the previous year is due to the transfer of some of them from one head to another.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1901-1902.

Machinery				Furniture				Building materials, small stores, tents, boats, &c.			
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	RS.		RS.		RS.		RS.		RS.		RS.
..	..	..	..	114	690	114	655	16	1,140	16	1,072
..	..	..	..	176	2,106	203	1,696	..	..	..	..
..	..	..	..	528	2,865	620	3,263	29	5,547	38	6,756
..	..	..	..	165	588	171	584	11	3,653	9	3,614
..	..	..	..	151	516	155	526	7	1,515	9	2,069
..	..	..	..	82	458	82	414	12	1,375	12	1,285
..	..	..	..	127	730	213	764	10	1,465	39	1,770
..	..	..	..	1,343	7,953	1,558	7,902	85	14,695	123	16,566
..	..	..	..	131	692	135	556	8	644	8	580
1	28	1	27	153	716	205	929	25	2,101	29	2,063
{ 13 3/4 mls. }	18,313	{ 13 3/4 mls. }	15,362	135	602	158	641	12	5,100	19	7,359
57	..	57	..	169	909	184	961	4	642	6	462
..	..	..	..	751	2,442	938	3,078	21	2,248	18	1,999
17	1,972	26	1,942	1,182	1,081	220	967	17	2,334	17	1,946
5	148	5	137	530	2,041	548	2,000	..	..	..	..
2	21	6	325	155	861	155	861	4	618	12	1,748
..	..	..	..	53	361	53	361	..	..	..	..
..
{ 82 }	20,482	{ 95 }	17,793	3,259	9,705	2,596	10,354	91	14,687	109	16,157
{ 13 3/4 mls. }	..	{ 13 3/4 mls. }	..	..	..	..	..	..	..	..	..
..	..	..	..	105	843	124	1,075	6	697	6	662
..	..	..	..	191	1,460	194	1,361	12	1,504	14	1,631
..	..	..	..	141	986	136	900	4	702	4	685
27	97	25	94	134	833	146	923	4	266	4	233
1	200	1	150	154	1,265	172	1,079	8	896	9	900
..	..	..	..	218	535	258	564	94	997	92	796
..	..	..	..	305	1,959	330	1,985	13	1,449	13	1,420
8,291	..	8,350	..	252	1,979	275	2,117	617	1,430	596	1,685
4	13	5	6	548	706	554	615	24	208	24	547
..
8,323	310	8,381	250	2,048	10,566	2,189	10,619	782	8,149	762	8,559
..
{ 8,405 }	20,792	{ 8,476 ft. }	18,043	6,650	28,224	6,343	28,875	958	36,531	994	41,28
{ 13 3/4 mls. }	..	{ 13 3/4 mls. }	..	..	..	..	..	..	..	..	..

N.B.—The variations in the figures in the closing balance of the previous year and the opening balance of the year under report has not been explained in many districts.

Abstract showing the Value of Live-stock

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
<i>Northern Circle.</i>		RS.		RS.		RS.		RS.
Direction .. .. .	..	..	..	..	..	..	..	..
Ganjám	39	16,969	45	17,782	..	..	..	..
Vizagapatam .. .. .	..	..	..	..	1	..	1	..
Górávari	91	33,030	93	33,600	..	..	..	..
Kistna	61	11,991	66	12,057	..	..	..	..
Kurnool	62	37,840	54	36,170	2	2,600	66	4,841
Bellary	26	4,562	26	4,336	6	350	52	1,730
Anantapur	19	16,619	17	16,619	..	..	..	..
Total, Northern Circle ..	298	1,21,011	301	1,20,564	9	2,950	119	6,571
<i>Central Circle.</i>								
Direction .. .. .	..	..	..	..	..	..	..	..
Cuddapah	121	21,247	117	21,137	2	56	2	56
Nellore .. .. .	..	..	..	..	..	..	..	..
Chingleput	18	6,070	20	6,165	..	..	..	..
North Arcot	68	12,789	122	17,458	..	..	..	..
South do.	19	16,847	19	16,322	..	..	..	..
Salem	30	18,646	31	17,000	..	..	..	..
Trichinopoly	6	3,797	8	4,072	..	..	..	..
Tanjore	7	566	7	566	..	..	..	..
Total, Central Circle ..	269	79,962	324	82,720	2	56	2	56
<i>Southern Circle.</i>								
Direction .. .. .	..	..	..	..	..	..	..	..
South Canara	17	9,700	19	9,965	3	5,000	3	5,000
North Malabar .. .. .	..	..	..	..	20	34,750	22	33,650
South do.	29	37,025	24	33,344	15	25,312	18	26,612
The Nilgiris	75	12,701	76	9,970	4	3,600	4	3,800
North Coimbatore	67	23,561	71	29,283	..	..	..	..
South do.	69	39,736	81	40,788	26	6,500	31	4,500
Madura	54	28,148	56	31,254	..	..	..	..
Tinnevely	59	25,530	60	24,789	..	..	..	..
Total, Southern Circle ..	370	1,76,401	387	1,79,393	68	75,162	78	73,562
Total, Presidency ..	937	3,77,374	1,012	3,82,677	79	78,168	199	80,189

Stores, Tools and Plant for 1901-1902—cont.

Miscellaneous.				Total.					
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	RS.		RS.		RS.		RS.	RS.	RS.
1	100	4	100	187	2,690	190	2,548	..	142
..	..	..	..	575	19,935	638	20,277	342	..
71	125	59	115	352	1,735	330	1,619	..	116
558	792	570	805	(a) 2,404	(b) 45,440	2,531	(c) 47,635	2,195	..
..	..	..	..	772	17,331	756	17,508	177	..
39	453	63	565	1,182	44,330	1,296	45,870	1,540	..
47	130	47	111	722	7,571	792	8,619	1,048	..
..	..	..	..	720	19,785	498	19,514	..	271
716	1,600	743	1,696	6,914	1,58,817	7,031	1,63,590	4,773	..
91	603	93	475	282	2,810	288	2,440	..	370
168	251	177	251	1,000	26,550	1,065	26,525	..	25
333	3,333	391	3,470	{ mls. 1,717 } 13 $\frac{3}{4}$	28,556	{ mls. 1,918 } 13 $\frac{3}{4}$	27,962	..	594
129	277	126	280	776	8,708	750	8,835	127	..
..	..	..	..	{ cwt. 2,504 } 37	22,626	2,927	28,100	5,469	..
* 1,413	994	1,420	999	3,005	22,515	2,022	21,357	..	1,158
39	2,075	39	1,764	3,116	26,410	3,456	24,555	..	1,855
2,121	734	2,130	749	2,494	6,231	2,524	7,757	1,526	..
44	660	44	660	195	1,699	169	1,686	..	13
4,338	8,927	4,420	8,648	{ mls. 15,089 } { cwt. 13 $\frac{3}{4}$ } 33	1,46,105	{ cwt. 15,119 } { mls. 33 } 107	* 1,49,217 102	3,107	..
582	577	555	602	753	3,397	742	3,102	..	295
561	880	569	1,122	1,384	20,044	1,349	20,434	390	..
..	..	..	..	726	38,749	556	37,265	..	1,484
298	1,352	328	1,481	1,319	65,846	1,307	63,649	..	2,197
35	167	111	176	1,055	21,533	1,260	18,083	..	3,450
126	277	176	475	1,133	20,620	1,554	32,950	6,330	..
..	..	..	..	10,576	53,235	10,825	52,254	..	981
950	588	766	561	2,255	34,685	2,079	38,117	3,432	..
..	..	..	..	1,200	27,302	1,206	26,665	..	637
2,552	3,841	2,505	4,417	20,501	2,91,411	20,878	2,92,519	1,108	..
7,606	14,368	7,668	14,761	{ mls. 42,504 } { cwt. 13 $\frac{3}{4}$ } 33	5,96,440	{ cwt. 43,028 } { mls. 33 } 13 $\frac{3}{4}$	6,05,428	8,988	..

* Revised figures.

(a) Includes 17 items omitted to be shown in the last year's return through oversight.

(b) Includes Rs. 9 omitted to be shown in last year's return through oversight.

(c) Excludes Rs. 677, the value of District Forest-officer's tents and certain tools which were ordered to be written off.

STATEMENT of Elephants during the year 1901-1902.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.
1	2	3	4

PART I.

Elephants in possession of the Reporting Officers throughout the year.

				RS.	A.	P.				
Vizagapatam ..	Ethel	Transferred from Southern Circle on 3rd December 1897.	Per head ..	65	0	0				
Gó dávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	Do. ..	56	4	4				
Kurnool	Byragi Piari	Do. do.	Do. ..	56	7	10				
	Captain Gunning ..	Purchased in July 1888	Do. ..	56	7	10				
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	50	4	1				
	2. Kaliani	Purchased in October 1889	Do. ..	64	8	6				
	3. Krishna	Captured in March 1896	Do. ..	62	14	2				
	4. Pyramus	Do. in April 1897	Do. ..	60	5	5				
	5. Chákravarthini ..	Do. in March 1898	Do. ..	62	0	8				
	6. Emily	Do. in June 1899	Do. ..	63	8	9				
	7. Sivajee	Do. in February 1900	Do. ..	62	9	8				
	8. Nadir Shah	Do. in March 1900	Do. ..	63	0	9				
	9. Abdul Rahiman ..	Do. in April 1900	Do. ..	57	6	2				
	10. Scindia	Do. do.	Do. ..	51	5	9				
	11. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	62	14	11				
	12. Isabella	Captured on February 1898	Do. ..	63	10	7				
	13. Paddy	Born in August 1899 .. ..	..	33	12	7			
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	43	2	2				
	2. Peyru									
	3. Samson									
	4. Eva									
	5. Theebaw	Purchased from Mr. Morgan in 1885 ..								
	6. Juno									
	7. Jupiter									
	8. Maharajah	Transferred from Wynaad on 29th September 1888.								
	9. Gordon									
	10. Loo									
	11. Hercules									
	12. Tippoo									
	13. Nurmahal									
	14. Kunhi Raman ..									
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	39	13	2				
	2. Padmini									
	3. Chamundi	Transferred from North Malabar on 10th September 1900.								
The Nilgiris ..	1. Big Lakshmi	Transferred from the Anamalais on the 30th January 1882	Do. ..	50	0	0				
	2. Chinna Lakshmi ..									
	3. Nilambu Latchmi ..									
	4. Bessie									
South Coimbatore.	1. Sinna Rani	Transferred from South Malabar on 9th August 1901.	Do. ..	47	8	0				
	2. Karthiyayini	Transferred from South Malabar in August 1888.								
	3. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.								
	4. Zehara									
	5. Parvati	Received back from Public Works Department on 3rd April 1901.								
	6. Kunjunni									

Statement of Elephants during the year 1901-1902—cont.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	How disposed of.
1	2	3	4	5

PART II.

Elephants received in the year.

				RS.	A.	P.	
North Malabar.	1. Peri ..	Captured in April 1889 ..	..	397	13	11	} Transferred from South Coimbatore.
	2. Lallameah ..	Do. in March 1891 ..	..	345	12	5	
	3. Dost-i-Jahan ..	Born in February 1902 ..	..	2	1	1	
	4. Sutlej ..	Captured in February 1902.	..	190	3	11	
	5. Beas ..	Do. do. ..	..	187	8	10	
	6. Ravi ..	Do. in March ..	..	128	11	0	
	7. Holkar ..	Do. do. ..	..	224	6	8	
	8. Chenab ..	Do. do. ..	..	105	10	8	
	9. Jhelam ..	Do. in June ..	..	0	4	2	
South Malabar.	1. Flora ..	Captured in 11th March 1902.	..	31	13	0	....
	2. Nelli ..	Do. in 19th ..	..	262	10	7	....
	3. Lakshmi ..	Do. in 7th April ..	..				....
South Coimbatore.	1. Peri ..	Received from North Malabar on 2nd July 1901.	..	359	6	0	....
	2. Lalameah ..	Returned to North Malabar on 19th December 1901 and received back on 20th June 1902.	..	417	11	4	....
	3. Edgar ..	Captured on 17th July 1901.	..	204	13	1	....
	4. Meenatchi ..	Captured on 9th September 1901.	..	351	11	10	....
	5. Jumbo ..	Do. do. ..	..	92	8	9	....
	6. Shah Jahan ..	} Received from North Malabar on 20th June 1902.	..	48	9	9	....
	7. Seetha ..		..	48	9	9	....
	8. Zelica ..		..	49	8	10	....
	9. Bakto ..		..	49	7	1	....

PART III.

Elephants gone off the list during the year.

				RS.	A.	P.	
Malabar ..	1. Shah Jahan ..	Captured in March 1900 ..	..	665	5	5	} Transferred to South Coimbatore in June 1902.
	2. Bakto ..	Do. in April ..	..	597	13	0	
	3. Zeleko ..	Do. in February 1898 ..	..	545	15	5	
	4. Seetha ..	Transferred from the Nilgiris in 1899.	..	643	4	1	
	5. Lalameah ..	Captured in March 1891 ..	..	345	12	5	
South Coimbatore.	1. Periya Rani ..	Transferred from North Malabar in May 1899.	..	340	10	0	Died on 27th December 1901.
	2. Dora ..	Transferred from North Malabar on 25th December 1896.	..	32	15	8	Died on 30th July 1901.
	3. Bagathi ..	Do do. ..	..	277	14	7	Died on 4th January 1902.
	4. Peri ..	Transferred from North Malabar on 2nd July 1901.	..	359	6	0	Returned to North Malabar on 19th December 1902.
	5. Edgar ..	Captured on 17th July 1900.	..	204	13	1	Died on 2nd January 1902.
	6. Jumbo ..	Captured on 9th September 1901.	..	92	8	9	Died on 13th January 1902.



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GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 312, dated 18th November 1902:—

The Hon'ble Mr. H. A. SIM, C.I.E., I.C.S.

Resolution—Forest No. 312, dated 18th November 1902.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1902.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. E. D. M. Hooper, the Senior Conservator of Forests, and is a careful summary of the year's work.

3. As in previous years, the Board desires to acknowledge the loyal assistance given by the Conservators, Messrs. Hooper, Gass, Brasier and Porter and to recognise the zeal and ability in the performance of their duties and the tact and discretion in their dealings with revenue officers and the public which they have consistently displayed, and upon which the successful administration of the department so greatly depends. The working of the District Forest-officers has been noticed in the report itself, and the Board has only to add its appreciation of the way in which they and their subordinates have carried out the arduous work which falls to the lot of a Forest-officer.

(True Extract.)

(Signed) A. R. CUMMING,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

READ—again Official Memorandum No. 473, Revenue, dated 29th December 1902.

READ—also Proceedings of the Board of Revenue (Land Revenue), Forest No. 44, Routine, dated 29th January 1903.

ORDER—No. 289, Revenue, dated 18th March 1903.

Forest No. 49.

The Forest Administration report for the year ending 30th June 1902 submitted by the Board of Revenue has

been compiled by Mr. E. D. M. Hooper, the senior Conservator on duty. The suggestions for the abbreviation of the report made in G.O., No. 239, Revenue, dated 6th March 1902, have, with some exceptions, been followed with the result that the report has been reduced in length from 74 to 49 pages. There is room, however, for further improvement in the arrangement and presentation of the matter collected from the district reports: for example, the Government consider that the subject of the exploitation of forest produce should be treated more closely on the lines indicated.

in Mr. Ribbentrop's skeleton form and note that the Board will take steps to have the instructions issued in last year's review fully adhered to in the preparation of the next report.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

2. *Area under control.*—The total area under the control of the department at the end of the year under review is returned at 19,566 square miles, or 25 square miles more than at the beginning of the year. Leaving out of account, however, the nominal changes due to more correct computation of areas, the changes in the area under control comprised an addition of 112 square miles of reserved lands and a deduction of 192 square miles disafforested or otherwise unreserved: thus the actual area under the department was diminished by 80 square miles. More correct computation disclosed an omission of 105 square miles from the areas as previously recorded. This very considerable variation has not been explained.

3. *Progress of Forest Settlement operations.*—Of the 19,566 square miles under control on the 30th June last, 17,154 square miles had been finally constituted reserved forest and 1,642 square miles were under various stages of settlement. Of the remaining 770 square miles it is not expected that more than 400 square miles will be brought under settlement: and new selections for reservation are estimated not to exceed 203 square miles. On the progress made in issuing initial notifications with regard to this area of about 600 square miles, will mainly depend the possibility of completing forest settlement operations by the 31st March 1905, on which date the employment of special forest settlement-officers is to terminate. Most of the work lies in the South Canara district and the matter should receive the constant attention of the Collector and his District Forest-officer.

Making allowance for the fact that only two Settlement-officers were employed, the outturn of settlement work during the year compares favourably with that of the previous year.

4. *Demarcation and survey.*—There is an inconsistency between the figures reported in form No. 46 in the present report and those in the corresponding table in the last report which makes it uncertain how far permanent demarcation kept pace with the extension of reserve boundaries. According to column 5 of the latter table the length of demarcated boundaries at the end of the year 1900–1901 was 27,008 miles, but the distances stated in columns 3 and 4 of the present table amount to 28,008 miles. Taking the latter figure to be correct, the length of boundaries newly added during the year was 1,256 miles: and 2,036 miles were demarcated.

Progress in the preparation of final maps was not so satisfactory; only 76 square miles were added during the year to the area for which such maps are available.

MANAGEMENT OF STATE FORESTS.

5. *Working plans.*—At the close of the year working plans were either sanctioned or in preparation for a total area of 5,770 square miles. Mr. Foulkes deserves credit for his outturn as working plans officer in the Southern Circle. It is regrettable that Mr. Cowley Brown's ill-health prevented progress in the Northern Circle. In the Central Circle also much remains to be done, especially in the important forest district of *Salem*. The Board should consider whether an officer of the Imperial Forest service of some standing should not be employed in this circle.

Save in *Anantapur*, *Chingleput* and *Trichinopoly*, the provisions of the working plans in operation seem to have been adhered to, and, on the whole, to have answered well.

6. *Annual plans of operations.*—The deviations mentioned in the report were, with few exceptions, either unavoidable or sufficiently justified for the reasons given. It is unfortunate, however, that the arrangements for the supply of fuel to the East Coast Railway fell through in *Ganjām*. The Board should see whether negotiations cannot be renewed. The explanation for the failure to plant up casuarina compartments in *Tanjore*, namely, the slackness of the establishment, is one that should not be allowed to recur.

7. *Communications and buildings.*—The Government are glad to observe that the making of new forest roads and cart-tracks was actively pressed during the year. In many localities such roads are essential to the exploitation of the forests and expenditure on them may be confidently expected to be remunerative.

8. *Breaches of Forest laws.*—The following table exhibits the figures for three years :—

Year.	Cases for disposal.			Cases disposed of.				Acquittals.	Percentage of cases compounded to cases disposed of.	Percentage of acquittals to cases dealt with by the magistracy.
	Pending.	New.	Total.	Withdrawn.	Compounded.	Dealt with by the magistracy.	Total.			
1899-1900	2,360	20,450	22,810	2,956	11,654	5,295	19,905	670	58.5	12.7
1900-1901	* 3,125	22,130	25,255	2,839	12,404	6,324	21,567	648	57.5	10.2
1901-1902	* 3,755	23,750	27,505	2,467	13,827	7,082	23,376	702	59.1	9.9

* *Vide* explanation in form No. 50 for variations in pending cases at the beginning of the year.

The chief features disclosed by the statistics are a rise in the total number of offences reported and a fall in the number of cases withdrawn and in the percentage of acquittals to cases prosecuted. The number of cases taken into Court under the two headings, unauthorised felling and grazing without permission, showed only a slight rise from 3,821 to 4,064 in the first case and from 2,623 to 2,755 in the second. The fall in withdrawals and acquittals is satisfactory as far as it goes, but the steady increase in the number of cases compounded which comprise nearly three-fifths of the whole number of cases reported, suggests that this method of dealing with offences is in practice misapplied. It has been already laid down that compounding should not be allowed where a deterrent penalty is desired : and the report does well to refer to these instructions. Paragraph 20 of the report quotes several instances where apparently serious offences have been compounded for a more or less heavy fine. But, so long as the protective forest staff is of its present inferior standard both in number and character, such fines will not counterbalance the chances of non-detection and consequent illicit profit.

The increase in offences was not however general in all districts. In *Anantapur*, *Chingleput*, *South Arcot*, and *Madura*, there was a marked decrease, and this is attributed, notably in *Chingleput* and *Madura*, to better supervision over the protective staff and consequent greater vigilance on their part. If the claim of prevention is borne out by the condition of the forests, the results are creditable to the establishments concerned. The Board should continue to pay the closest attention to this matter.

9. *Fire protection.*—Protection from fire was attempted over a slightly greater area than in the previous year : but the percentage of success obtained was slightly less. In *Kurnool*, though the Chenchus continued to be responsible for the fires on the Nallamalais, the area burnt was only about one-third of that destroyed in the previous year. The Government notes that improved methods of protection in Sandur are under consideration : some remedy is necessary, for, of the protected areas burnt in the Northern Circle, one-fourth were in the Sandur range alone.

The estimate given in the present report of the areas naturally protected against fire comprises about 4,000 square miles, nearly double the estimate reported in the previous year. It is clear however that the estimate has been made on vague general grounds, and that the subject of fire protection has not hitherto received the attention that it requires. It is hoped that the current year's report will show improvement in this respect consequent on the instructions issued last year.

10. *Regulation of grazing.*—The total number of all kinds of animals grazed on payment increased by over one-fourth the previous year's figure to 3,943,743 ; and there was at the same time a decrease in the number impounded for illicit grazing. Goats continue to appear as the most persistent trespassers into the reserves, particularly in the Central Circle : but the schemes for goat browsing in this circle sanctioned in February 1902 have not yet had time to operate.

11. *Sylviculture*.—Save where retarded by fire and, in Bellary, by excessive grazing, natural reproduction appears to have been generally satisfactory in all three circles. The area under plantations, cultural operations and *topes* was extended very slightly by about 300 acres. More attention should, the Government consider, be paid to the management of *topes*: as, during the last two years, the revenue from *topes* has been less than the charges. Date cultivation seems to have been the only experiment conducted on any considerable scale; and save in the Chandragiri range of *North Arcot*, the experiment apparently was a failure. The Board should report what action it has taken or proposes to take on the remarks on the subject of these experiments made in paragraph 8 of G.O., No. 239, dated 6th March 1902, on the previous year's report.

EXPLOITATION AND OUTTURN OF FOREST PRODUCE.

12. Although no special operations of any magnitude were undertaken, there was a considerable increase in the total yield of the forests save under the head of *Timber*. There was a considerable extension of departmental operations for the supply of *fuel* to Railway companies, but in respect of gross revenue this development has not as yet compensated for the cessation of the operations for the supply of sleepers. An expansion of departmental working seems required properly to exploit the forests of the Southern Circle, where the comparative inaccessibility of the reserves and the difficulties of transport are calculated to deter the private purchaser. The Government agree with the remarks on page 33 of the report that the present means of extraction and transport are inadequate and that outlay on their improvement would be remunerative. Under *removals by private purchasers* it is noticeable in comparison with the previous year that the larger quantity of *timber* fetched lower prices, while the position was reversed as regards *fuel*. The reasons for these variations are not well indicated in the report.

Grazing receipts continued to expand notwithstanding an increase in the value of free grazing allowed and a loss in Nellore of some Rs. 5,000 through lax supervision.

FINANCIAL RESULTS.

13. The value of the sales and other revenue of the year was Rs. 24,70,475, which was Rs. 36,175 more than in the previous year. Adding to this, Rs. 2,03,712, the outstanding balance at the beginning of the year, the amount for collection during the year was Rs. 26,74,187. The collections were very satisfactory, amounting to Rs. 24,96,494, according to Form No. 59; a further sum of Rs. 10,999 was written off as irrecoverable and the closing balance of the year was thus Rs. 1,66,694*. The total charges amounted to Rs. 17,46,121 and were but slightly in excess of those of the previous year.

The surplus of the year was Rs. 7,50,373. In the Southern Circle there was, however, a deficit to which the districts of *North* and *South Coimbatore*, *North Malabar*, *South Canara* and the *Nilgiris* contributed. The conditions of the last-named district are special: and in *North* and *South Coimbatore* financial equilibrium would have been obtained but for comparatively heavy expenditure on communications and buildings which will probably prove remunerative. In *North Malabar*, however, the expenditure on feed and keep of cattle (presumably elephants) was nearly as great as the total receipts from departmental operations; and in the case of *South Canara*, although the district seems to have been debited with a disproportionately large share of the cost of direction, the year's deficit practically amounted to the total of the year's charges, as the total receipts but slightly exceeded the fall in the value of the stock during the year. The forest administration of these districts should receive careful scrutiny from the Conservator and the Board of Revenue.

GENERAL.

14. There was a satisfactory extension of the facilities afforded to the people for obtaining forest produce both by opening fresh depots and by improving the arrangements for the issue of permits. Attempts to supply green manure appeared to have

* Note.—According to Form No. 61, the total receipts of the year were Rs. 24,89,878 and the balance Rs. 1,73,310.

been seriously made only in the Madura district. The general report is that the demand for such manure is sufficiently met from private and unreserved lands. In particular localities, especially in the neighbourhood of wet cultivation, the supply from such lands may not however be inexhaustible: or it may be to the interests of the Government and ryots alike to extend the use of green manure by offering a supply at low rates from the Government reserves. The Government are not satisfied that the matter has been sufficiently investigated and would be glad to have a report on the subject from the Board of Revenue. They trust that the experimental sowing of manure-leaf yielding plants which failed in the year under review in *Tanjore*, has been repeated in the current year. The district is one in which it ought to be possible to secure a large and steady demand for such produce.

15. The cases of misconduct amongst the subordinate staff are still deplorably numerous both in the higher and lower grades: but matters will no doubt improve in time with the recruitment of better trained men. District Forest-officers should however remember that, as observed by the Conservator in the case of the *Anantapur* establishment, it is instruction rather than punishment that is often needed. The scheme recently introduced for the improvement of forest office establishments seems to have answered its purpose everywhere excepting in *Anantapur*, in which district the forest office apparently requires overhauling.

The controlling staff as usual worked well. His Excellency the Governor in Council would notice in particular the good work done by Messrs. Lodge (*Salem*), Battie (*Kurnool*), P. M. Lushington (*Tinnevely*), Foulkes (*Working Plans Officer, Southern Circle*) and Woutersz (*Chingleput*).

16. *Conclusion*.—The record of the year's work is satisfactory and creditable to the department.

(True Extract.)

(Signed) M. HAMMICK,
Ag. Secretary to Government.

