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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

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82

2067

GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

21st June 1877, No. 2,067.

Read the following paper :—
No. 462. Proceedings of the Board of Revenue, dated 14th May 1877,
No. 2,062.

THE Board resolve to submit to Government the following Report on the cultivation of and made in Cotton for Fasli 1285.

2. *Season.*—On the whole the season commenced favorably, but proved adverse later on, except in parts of Ganjam, Godavery, and Kurnool. The rains generally failed at the last stage of the growth of the crop; in parts of Ganjam, Godavery, and Kistna, on the other hand, they were excessive in October. As mentioned in the last report cotton is generally from July to October, and the crop is gathered from January to May.

	Percentage of total Area.
...	23.4
...	17.2
...	13.9
...	14.8
...	11.2
...	5.8
...	5.2
Total ...	91.5

3. *Area under Cultivation.*—The area devoted to cotton during the year under report was 1,645,389 Acres against 1,577,363 in the previous year, exhibiting a small increase of 4.3 per cent. Nearly the whole of the above area is comprised in the seven districts noted in the margin. The subjoined statement shows the cultivation in each district in the last three years, and the abstract next following its progress since Fasli 1262:—

Districts.	Fasli 1283.	Fasli 1284.	Fasli 1285.
	ACRES.	ACRES.	ACRES.
1. Bellary ...	410,956	337,550	385,596
2. Tinnevely ...	302,589	284,622	281,569
3. Kistna ...	235,239	226,414	229,583
4. Kurnool ...	242,510	202,613	244,130
5. Coimbatore ...	195,707	193,464	184,520
6. Madura ...	113,497	97,412	95,429
7. Cuddapah ...	91,864	75,952	85,701
8. Trichinopoly ...	49,320	49,540	43,186
9. Salem ...	22,379	20,999	12,630
10. Nellore ...	23,280	20,594	22,303
11. South Arcot ...	25,672	18,669	16,442
12. Godavery ...	20,410	17,026	14,265
13. Vizagapatam ...	14,414	16,653	12,900
14. Ganjam ...	10,209	11,085	12,675
15. Tanjore ...	3,379	4,391	4,060
16. North Arcot ...	355	210	263
17. South Canara ...	77	164	134
18. Chingleput ...	14	5	3
Total ...	1,763,971	1,577,363	1,645,389

Faslis.	Acres.	Fasli.	Acres.	Faslis.	Acres.
1262 ...	983,040	1270 ...	1,060,558	1278 ...	1,341,365
1263 ...	911,489	1271 ...	1,020,184	1279 ...	1,758,022
1264 ...	868,210	1272 ...	1,309,324	1280 ...	1,467,226
1265 ...	797,504	1273 ...	1,766,312	1281 ...	1,617,088
1266 ...	938,047	1274 ...	1,747,501	1282 ...	1,757,724
1267 ...	932,180	1275 ...	1,395,697	1283 ...	1,763,071
1268 ...	1,041,848	1276 ...	1,316,944	1284 ...	1,577,363
1269 ...	1,076,658	1277 ...	1,486,861	1285 ...	1,645,889

4. The increase in cultivation of the previous year occurs chiefly in Bellary and Kurnool, and is attributed to more active demand for this commodity, and in a measure also to the system in vogue of growing cotton and jowar alternately in order to invigorate the soil, a result which it is considered the practice tends to effect.

5. *Species Cultivated.*—The cotton grown in this Presidency is mostly indigenous. In Coimbatore alone acclimatized Bourbon and American seed was sown to some extent. As the Government are aware every attempt made in past years to grow exotic cotton has proved unsuccessful. During the year under report New Orleans' cotton was tried in Salem and failed. The Collector states that the seeds did not even sprout and were destroyed by insects owing to the soil and climate being unsuited to that species.

6. *Outturn of Cleaned Cotton and Quality.*—The estimated outturn and value of cleaned cotton, as reported by Collectors, are thrown together in the annexed comparison with Fasli 1284. The quality was on the whole moderately good, considered to have been well suited for native cloths:—

Districts.	Fasli 1284.		Fasli 1285.	
	Quantity.	Value.	Quantity.	Value.
	CWTS.	RS.	CWTS.	RS.
1. Bellary ...	103,210	18,85,235	100,000	18,41,740
2. Tinnevely ...	82,438	19,68,422	69,843	16,68,890
3. Kistna ...	83,415	12,81,356	72,652	11,78,852
4. Kurnool ...	52,829	2,46,515	66,378	11,68,869
5. Coimbatore ...	30,757	16,59,725	63,633	13,47,077
6. Madura ...	30,990	6,50,772	27,038	6,02,074
7. Cuddapah ...	20,344	4,15,363	12,642	4,23,946
8. Trichinopoly ...	15,917	Not given.	9,275	Not given.
9. Salem ...	9,237	2,79,435	5,155	1,52,605
10. Nellore ...	1,713	42,415	5,600	1,24,450
11. South Arcot ...	2,843	67,212	1,939	32,518
12. Godavery ...	9,122	1,98,200	9,287	1,89,303
13. Vizagapatam ...	8,326	1,66,530	6,231	1,20,318
14. Ganjam ...	5,510	1,51,000	3,968	1,25,481
15. Tanjore ...	3,679	37,883	3,218	25,166
16. North Arcot ...	46	840	55	1,495
17. South Canara ...	260	Not given.	281	6,625
Total...	510,636	* 97,50,903	461,195	† 90,09,409

* Exclusive of Trichinopoly and South Canara.

† Exclusive of Trichinopoly.

7. The figures entered above for Fasli 1284 differ from those given in the report for that year in the case of the four districts noted below, and the difference is very considerable in Tinnevely. The Collector have not explained the discrepancies; they should do so now. In the foregoing table the figures as given in the present returns have been adopted.

Districts.	As in Report for Fasli 1284.		As given in the present Report.	
	CWTS.	VALUE RS.	CWTS.	VALUE RS.
Tinnevely ...	2,50,500	31,37,000	82,438	19,68,422
Kistna ...	76,646	15,09,707	83,415	12,81,356
Tanjore ...	3,703	...	3,679	...
South Canara ...	232	...	260	...

	Increase.
	CWTS.
1. Kurnool ...	13,549
2. Nellore ...	3,887
3. Godavery ...	165
4. South Canara ...	21
5. North Arcot ...	9
Total...	17,631

	Decrease.
	CWTS.
1. Coimbatore...	17,124
2. Tinnevely...	12,595
3. Cuddapah...	7,702
4. Kistna...	6,763
5. Trichinopoly...	6,642
6. Salem...	4,082
7. Madura...	3,952
8. Bellary...	3,210
9. Vizagapatam...	2,095
10. Ganjam...	1,542
11. South Arcot...	904
12. Tanjore...	461
Total...	67,072

8. The total estimated outturn of the crop for Fasli 1285, as exhibited in the foregoing table, fell short of that of the previous year by 49,441 cwts., a result arising out of a gross decrease of 67,072 cwts. in twelve districts and a gross increase of 17,631 cwts. in the remaining five as shown in the margin.

9. It is probable that, owing to the unfavorable character of the season, the yield of the crop in the aggregate was smaller than in the previous year; but the Board consider the returns of estimated outturn altogether unreliable. It is to be observed that no record is kept anywhere of the outturn of cotton or of any other crops, and that local authorities have no means under the present system of estimating it with any approximation to correctness. The figures therefore as reported by Collectors evidently rest on no better basis than the guesses of the Curnams, and are palpably wide of the mark, inasmuch as the aggregate of the estimated outturn, even without making any deduction for local consumption, considerably falls short of the exports by sea as shown by the Trade Returns. A considerable portion of the crop gathered in one year must of course be exported in the course of the following year, and it is also probable that stocks are retained in hand in anticipation of a favorable market; but the statistics returned for two successive years (Faslis 1284 and 1285) show the outturn to be far below the quantities exported,* and no special circumstances tending to an unusual accumulation of stocks in previous years have been adduced.

The export trade of the Presidency in cotton is confined almost wholly to the ports of Madras and Tuticorin, and to those in the Godavery and Kistna Districts. Now the total exports from Madras during the year under report amounted to 398,883 cwts., and this quantity agrees pretty nearly with what is shown by the Traffic Returns of the Madras Railway to have been brought into Madras by rail, i.e., 381,368 cwts.

	CWTS.
* From the Nizam's country ...	48,042
From Coimbatore ...	10,962
Vide table of Railway traffic appended to paragraph 15.	

Deducting from this last mentioned quantity 52,004* cwts. imported from the Nizam's country and from Coimbatore the whole of the remainder, i.e., 322,364 cwts., must consist of the produce of the three districts of Bellary, Kurnool, and

	Fasli 1284.	Fasli 1285.
	CWTS.	CWTS.
† Bellary ...	103,210	100,000
Kurnool ...	52,829	66,378
Cuddapah ...	20,344	12,642
Total...	176,383	179,024

	CWTS.
† Tinnevely ...	69,382
Madura ...	27,388
Godavery ...	9,187
Kistna ...	76,652

Cuddapah; for, as will be shown hereafter under the head of Exports, it is not probable that any other district supplies the Madras export market, yet the estimated outturn in these three districts during the year under report is stated to be only 179,020 cwts., and in the previous year rather less, i.e., 176,383 cwts. The estimated outturn in Tinnevely and Madura (96,881 cwts.) is equally irreconcilable with the exports from Tuticorin which amounted to 198,724 cwts., almost the whole of which must have been drawn from the two districts last mentioned.

The estimated outturn in Godavery and Kistna (85,939 cwts.), supplemented by imports from the Nizam's dominions, and possibly also from the Central Provinces may perhaps be taken to cover both local consumption and exports by sea from those two districts which amounted to 105,952 cwts.

10. From what has been stated above it will be seen that little or no value attaches to the averages per acre deduced from the Collectors' estimates of outturn. The average of cleaned cotton for each district as given is exhibited in the annexed table. In several instances the rate per acre according to the Collectors' reports does not agree with the average obtained by distributing the total outturn over the area of cultivation; but this, the Board presume, is owing to the latter, including lands on which the crop has totally failed. Endeavours should be made to secure more trustworthy estimates of the outturn in future:—

Districts.	Fasli 1283.	Fasli 1284.	Fasli 1285.	Remarks.
	LBS. PER ACRE.	LBS. PER ACRE.	LBS. PER ACRE.	
1. Bellary ...	31	34	29	
2. Tinnevely ...	Not given.	98	28 to 112	
3. Kistna ...	27	40	37	
4. Kurnool ...	30	32	30	
5. Coimbatore ...	32	33	29	
6. Madura ...	Not given.	37	35	
7. Cuddapah ...	25	31	25	
8. Trichinopoly ...	42	35	24	
9. Salem ...	50	49	45	
10. Nellore ...	Not given.	31	28	
11. South Arcot ...	25	17	13	
12. Godavery ...	Not given.	180	218	Uncleaned.
13. Vizagapatam ...	56	57	54	
14. Ganjam ...	Not given.	56	112	
15. Tanjore ...	Do.	22	23	
16. North Arcot ...	Do.	25	24	
17. South Canara ...	156	58	234	This must also include uncleaned cotton, though it is not so stated.
18. Chingleput ...	...	...	...	
19. Madras ...	...	...	...	
20. Nilgiris ...	...	...	...	
21. Malabar ...	...	...	...	

11. *Cost of Cultivation.*—This is also shown below as reported by Collectors; but the Board are not disposed to attach any more value to the figures given under this head than to the estimated outturn of the crop. The cost of cultivation must, of course, vary under different conditions but it is difficult to understand such wide variation as from 8 Annas per acre, to minimum in Kurnool, to Rupees 15, the maximum in Tanjore. The rates are based apparently on no careful calculation of

the various component items of cost, and their varying so much in one and the same district, it is to be presumed that they have been taken as given by the several Collectors:—

	Per Acre.
	RS. A. P.
Ganjam ...	3 0 0 to 10 0 0
South Arcot ...	5 0 0 to 12 12 0
Tinnevely ...	0 0 0
Vizagapatam ...	3 0 0
Godavery ...	7 0 0
Coimbatore ...	0 8 0 to 3 0 0
Kurnool ...	2 12 0 to 7 0 0
Kistna ...	3 8 0 to 12 0 0
Salem ...	2 0 0
Cuddapah ...	12 0 0
Trichinopoly ...	1 15 9
Nellore ...	6 4 0
Madura ...	3 0 0 to 15 0 0
Tanjore ...	5 0 0 excluding the cost of feeding bullocks and servants.
Bellary ...	...

12. *Average ruling prices of cotton retained for local consumption.*—The information furnished by Collectors under this head agrees pretty nearly with the averages deduced from the Monthly Returns in the Board's office, except in the case of the districts named in the margin, the Collectors of which are requested to explain the discrepancies. The prices reported from Salem and Tanjore are obviously incorrect; in the district first mentioned it is given as Rupees 2-2-0 per maund on the average, and taking the maund to be the Madras maund of 25 lbs., the price is Rupees 42-8-0 against nearly Rupees 120 per candy of 500 lbs. in the previous year. If the Indian maund of 82½ lbs. is meant, the price is much further reduced. In Tanjore the price is stated to vary from Rupees 5-5-0 in the Tanjore Taluk to Rupees 39-13-1 in Shealli, but the denomination of the weight is not given; whatever it may be, the variation indicated is hardly credible. As on the whole the prices for this special report do not appear to have been carefully ascertained, the Board consider it more satisfactory to take the averages of bazaar prices of cleaned cotton as given in the Monthly Returns, which are accordingly exhibited in the table below. From this it will be seen that the price per candy of 500 lbs. varies from Rupees 77 in Bellary to 130 in South Arcot, the high rate in the latter being due apparently to brisk local demand. It is here to be observed that, though South Arcot is a coast district, no cotton is exported thence by sea:—

	Averages of Monthly Returns Per Candy.	Prices as now reported Per Candy.
	RS.	RS.
Cuddapah ...	77 to 104	80
Ganjam ...	124	136
Godavery ...	115	87
North Arcot ...	110	120
South Arcot ...	130	125
Tanjore ...	110	5-5-0 to 39-13-1
		Denomination of quantity not stated.
Salem ...	113 Average.	Rs. 2-2-0 per maund.

Districts.	Fasli 1283. Per candy of 500 lbs.	Fasli 1284. Per candy of 500 lbs.	Fasli 1285. Per candy of 500 lbs.
	RS.	RS.	RS.
1. Bellary ...	83	81	77
2. Tinnevely ...	Not given.	98	105
3. Kistna ...	99	88	84
4. Kurnool ...	102	80	80
5. Coimbatore ...	101	92	97
6. Madura ...	Not given.	Not given.	102
7. Cuddapah ...	75	75	77 to 104
8. Trichinopoly ...	Not given.	Not given.	79

Districts.	Fasli 1283. Per candy of 500 lbs.	Fasli 1284. Per candy of 500 lbs.	Fasli 1285. Per candy of 500 lbs.
9. Salem ...	RS. 155	RS. 128	RS. 113
10. Nellore ...	Not given.	97	99
11. South Arcot ...	Do.	111	130
12. Godavery ...	Do.	Not given.	115
13. Vizagapatam ...	111	111	120
14. Ganjam ...	125 to 166	125 to 166	124
15. Tanjore ...	7 to 50	6 to 50	110
16. North Arcot ...	Not given.	Not given.	110
17. South Canara ...	Do.	128	103

13. The following table shows the exports and imports by sea during the past and preceding years. The exports on the whole were smaller,* those to France, China, and Calcutta alone showing an increase. Imports were necessarily limited, the normal features of the trade being exports of the raw material and imports of manufactured good.

	FASLI 1284.		FASLI 1285.	
	Quantity.	Value.	Quantity.	Value.
EXPORTS.				
<i>To Foreign Countries.</i>				
To United Kingdom ...	CWTS. 546,710	RS. 1,22,82,624	CWTS. 475,122	RS. 1,06,69,522
" France ...	55,473	12,17,834	76,723	16,35,106
" Austria-Trieste ...	33,775	6,06,345	26,622	6,08,666
" Italy { Venice ...	25,588	5,68,345	26,038	5,44,731
" { Genoa ...	22,429	5,06,314	9,677	2,23,473
" { Naples ...	1,527	35,669	...	...
" Holland ...	10,929	2,72,700	6,482	1,45,200
" Africa-Zanzibar ...	3	65	...	...
" Aden ...	63	1,313	...	...
" Maldives ...	18,054	4,05,152	1,998	45,203
" Ceylon ...	8,662	1,98,701	50,837	11,26,293
" China-Hongkong ...	...	...	...	...
Total Exports to Foreign Countries...	723,213	1,60,95,065	673,499	1,49,98,194
<i>To other Presidencies and Indian Ports not British.</i>				
To Calcutta ...	23,142	5,24,052	30,230	6,78,593
" Bombay ...	5,034	1,38,273	32	660
" Other Ports ...	7	130	26	410
" Pondicherry ...	268	5,400	281	6,300
" Travancore ...	166	4,153	...	...
Total Exports to other Presidencies and Indian Ports not British in this Presidency...	28,617	6,68,986	30,569	6,85,963
Grand Total.	751,830	1,67,64,051	704,068	1,56,84,157

	FASLI 1284.		FASLI 1285.	
	Quantity.	Value.	Quantity.	Value.
IMPORTS.				
<i>From Foreign Countries.</i>				
From Ceylon ...	CWTS. 9	RS. 496	CWTS. 326½	RS. 1,726
" Laccadives (now not a foreign port) ...	...	...	...	8
" Penang ...	2	10	...	...
Total ...	11	506	326½	1,734
<i>From other Presidencies.</i>				
From Calcutta ...	1	...	36	1,020
" Bombay ...	14½	2,272	119	415
" Other ports ...	15	2,989	196½	3,613
" British Burmah and other ports ...	...	...	20	500
" Cutch ...	...	33	...	...
" Pondicherry ...	...	...	½	7
Total...	30	5,294	371½	5,555
Total Imports...	400	5,800	698½	7,289

14. Exports* by sea are almost wholly restricted to the ports in the Godavery and Kistna Districts, and to Madras and Tuticorin, as shown in the margin, and the tracts whence the supply is drawn have been particularized under the head of outturn. The total quantity of raw cotton exported annually during the last twenty-five years as also its value are exhibited below. The figures are for the official year:—

	Quantity.	Value.		Quantity.	Value.
	CWTS.	RS.		CWTS.	RS.
1851-52 ...	315,708	40,35,217	1864-65 ...	652,693	4,04,18,937
1852-53 ...	679,179	86,65,071	1865-66 ...	1,071,734	4,84,16,348
1853-54 ...	279,695	37,85,382	1866-67 ...	217,566	9,437,365
1854-55 ...	239,727	31,19,425	1867-68 ...	440,055	1,23,65,500
1855-56 ...	187,620	25,21,351	1868-69 ...	839,560	2,13,99,830
1856-57 ...	482,036	72,22,286	1869-70 ...	611,379	1,91,25,050
1857-58 ...	491,208	87,71,724	1870-71 ...	378,099	1,06,04,132
1858-59 ...	345,112	61,17,902	1871-72 ...	672,581	1,72,05,095
1859-60 ...	736,719	95,97,135	1872-73 ...	606,298	1,58,76,737
1860-61 ...	703,768	1,12,91,211	1873-74 ...	548,418	1,28,33,988
1861-62 ...	772,718	1,70,40,215	1874-75 ...	717,755	1,62,68,783
1862-63 ...	556,912	2,38,12,882	1875-76 ...	733,420	1,65,28,491
1863-64 ...	647,240	4,47,18,112			

15. No means exist for ascertaining the quantities of cotton exported from and imported into this Presidency otherwise than by sea. The subjoined table however shows the traffic in cotton on the Madras Railway, and may be found useful so far as it goes. It will be observed that the total quantity exported from Madras exceeds by 17,515 cwts, the quantity brought by rail into the town.	
Imports by rail	CWTS. 321,368
Exports by sea	388,883
Deficiency	7,515

The crop is not cultivated in Chingleput, and the outturn in the two neighboring districts of South Arcot and Ndore is estimated at only 1,939 and 5,600 cwts. respectively, quantities so limited as not to exceed in all probability the requirements for local consumption. Besides the difference between the year's imports by rail and exports by sea however, which might possibly be due to the exportation of surplus stock, the requirements of the country looms and spinning mills at work in the town and its neighborhood have to be met, and the only explanation is the existence of a considerable traffic by road unless the Railway returns are wrong. The point should be investigated by the Collector of Madras and explanation afforded if possible.

To	Madras	Cuddapah	Tadipatri	Gooty	Venkatapur	Bellary	Adoni	Bangalore	Erode	Coimbatore	Avanashi	Pelghat	Malabar	Total
Madras	1284	16,381	1,448	172	434	146,178	98,352	166	713	21,159	...	...	...	285,003
Tripathy	1285	9,161	26,702	161	...	169,901	164,481	...	761	10,201	...	...	...	381,368
Cuddapah	1286	...	...	...	...	...	...	...	...	...	...	...	...	...
Tadipatri	1287	...	...	...	...	...	...	...	...	...	...	...	...	...
Gooty	1288	...	...	...	...	...	...	...	...	...	...	...	...	...
Venkatapur	1289	...	...	...	...	...	...	...	...	...	...	...	...	...
Bellary	1290	...	...	...	...	...	...	...	...	...	...	...	...	...
Adoni	1291	...	...	...	...	...	...	...	...	...	...	...	...	...
Bangalore	1292	...	...	...	...	...	...	...	...	...	...	...	...	...
Coimbatore	1293	...	...	...	...	...	...	...	...	...	...	...	...	...
Malabar	1294	...	...	...	...	...	...	...	...	...	...	...	...	...
Raypore	1295	...	...	...	...	...	...	...	...	...	...	...	...	...
Arcot	1296	...	...	...	...	...	...	...	...	...	...	...	...	...
Avanashi	1297	...	...	...	...	...	...	...	...	...	...	...	...	...
Tripathy	1298	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	1284	16,381	1,448	172	434	146,178	98,352	166	713	21,159	...	...	...	285,003
Other Stations	1285	9,161	26,702	161	...	169,901	164,481	...	761	10,201	...	...	...	381,368
Grand Total	1284	16,381	1,448	172	434	146,178	98,352	166	713	21,159	...	...	...	381,368

18. *Prices ruling in the Countries to which Cotton is exported and in the Districts from which it is exported.*—The subjoined statement shows the monthly prices per candy of 500 lbs. in London and at Madras during Fasli 1285, compared with the previous two years. The prices at other ports of export as reported by Collectors are below the district averages and not likely to be accurate. The average ruling prices in the districts where the crop is grown can be seen from the table given in paragraph 12:—

			LONDON.			Madras.
			Western Cotton.	Cocanada.	Tuticorin.	
			£ s. d.	£ s. d.	£ s. d.	RS.
July 1875...	1283	...	12 15 2	12 11 9	13 2 2	115
	1284	...	10 4 10	11 12 7	11 7 5	94
	1285	...	10 8 4	10 8 4	10 8 4	97
August "	1283	...	12 12 7	12 7 5	13 4 4	115
	1284	...	10 3 1	10 13 6	11 11 4	98
	1285	...	10 8 4	10 8 4	10 8 4	99
September "	1283	...	12 15 2	12 7 5	13 9 6	112
	1284	...	10 3 1	10 13 6	11 11 4	98
	1285	...	10 8 4	10 8 4	10 8 4	97
October "	1283	...	12 13 11	12 4 9	13 10 10	115
	1284	...	10 3 1	10 18 9	11 11 4	97
	1285	...	10 8 4	10 8 4	10 8 4	95
November "	1283	...	12 2 2	13 0 5	12 16 6	113
	1284	...	10 0 6	11 3 11	11 13 1	99
	1285	...	10 8 4	10 8 4	10 8 4	99
December "	1283	...	11 19 7	12 4 9	13 0 5	113
	1284	...	9 16 7	11 1 4	11 10 6	99
	1285	...	10 8 4	10 8 4	10 8 4	95
January 1876...	1283	...	11 9 2	13 0 5	12 7 5	112
	1284	...	10 0 6	10 16 1	11 18 3	99
	1285	...	10 8 4	10 8 4	10 8 4	100
February "	1283	...	10 13 6	11 17 0	11 11 9	100
	1284	...	10 3 1	10 18 9	11 18 4	99
	1285	...	10 8 4	10 8 4	10 8 4	96
March "	1283	...	10 13 6	11 17 0	11 17 0	102
	1284	...	10 8 4	11 9 7	11 14 9	99
	1285	...	10 8 4	10 8 4	10 8 4	100
April "	1283	...	10 18 9	12 2 2	12 0 10	99
	1284	...	10 7 5	11 14 4	12 3 11	99
	1285	...	10 8 4	10 8 4	10 8 4	95
May "	1283	...	11 17 0	12 4 9	12 4 9	100
	1284	...	10 16 1	11 3 11	11 16 11	99
	1285	...	10 8 4	10 8 4	10 8 4	100
June "	1283	...	11 17 0	12 4 9	12 2 2	104
	1284	...	10 10 11	10 18 9	11 16 11	97
	1285	...	10 8 4	10 8 4	10 8 4	95
Average "	1283	...	11 14 8	12 5 5	12 13 11	108
	1284	...	10 4 10	11 2 4	11 13 4	98
	1285	...	10 8 4	10 8 4	10 8 4	97

1. Vizagapatam	96,705
2. Coimbatore	93,464
3. Godavery	69,450
4. Trichinopoly	34,427
5. Cuddapah	33,974
6. Bellary	31,944
7. Salem	28,400
8. Malabar	26,048
9. Tanjore	20
10. Tinnevely	20
11. Kurnool	14,253
12. Kistna	14,000
13. South Arcot	13,511
14. Madura	12,300
15. Nellore	9,580
16. Ganjam	4,350
17. South Canara	2,172

Total ... 525,452

* As per Census of 1871.

1. Cotton Weavers	376,561
2. Silk do.	558
3. Carpet do.	155
4. Blanket do.	2,867

Total ... 380,141

Total number as now reported ... 525,452

Excess ... 145,311

but country yarn continues to be used for the manufacture of coarse fabrics.

19. *Cotton Mills.*—As stated in the last report there are only two cotton spinning mills in the town of Madras,—one at Royapuram and the other at Choolay. The capital of the former amounts to Rupees 3,75,000, consisting of 300 shares of Rupees 1,250 each, and that of the latter to Rupees 4,37,500, consisting of 437½ shares of Rupees 1,000 each. The Royapuram Mill commenced operations on the 28th November 1875, and two engines of 25 horse-power with 14,800 spindles are at work; the quantity of cotton worked up is not ascertainable, but the quantity of yarn manufactured was 814 cwts., and its value Rupees 14554. The Choolay Mill was started on 1st March 1875; the quantity of material worked up between that date and 31st March 1876 was 6,700 cwts., and the amount of yarn turned out 4,822 cwts., valued at Rupees 2,17,000. The yarn produced at Royapuram is classed as No. 20, and that at Choolay as Nos. 20 and 21.

At Pondicherry spinning and weaving machines have been established for many years, but no particulars are known regarding them.

20. *General Remarks.*—The following information regarding the experimental cultivation in the Government Farm at Sydpet has been furnished by the Superintendent Mr. Robertson.

The total area under cotton during the year 1876 was about 10½ acres. The total gathering of cotton in seed from 1st to 30th September 1876, by which time nearly all the cotton plants had been taken up, was 2533 lbs., which yielded on ginning 820 lbs., or 1 lb. of lint to 3 lbs. of uncleaned cotton. The annexed table shows the yield of lint from uncleaned cotton. It appears that the hot dry weather of March and April was advantageous to a high per-centage of lint, and that the weather experienced in July frequent slight showers was disadvantageous. The high per-centage given

in September is attributable to the rain on the 5th (1.81 inches) being followed by bright dry warm weather:—

Date of Gathering.	Quantity of Cotton in Seed inned.	Yield of Lint.	Cotton in Seed yielded clean Lint.
		LBs.	PER CENT.
February, 28th... ..	445.5	154	34.57
Do. 17th... ..	181	58	32.04
June 16th... ..	146	48	32.88
Do. 28th... ..	160	36	22.5
July 18th... ..	372	98	26.34
August 4th to 24th ...	655.5	111.5	17.01
September 21st to 25th ...	259	79.5	30.69

(True Copies and Extract.)

(Signed) C. A. GALTON,
Sub-Secretary.

No. 463.

ORDER THEREON, 21st June 1877, No. 2,067.

Miscellaneous.

ORDERED to be forwarded to the
Government of India.

(True Extract.)

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

To the Board of Revenue.

Exd. A. F. Goodall.

2067
8

2067
9

No. 2062.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 4th May 1877.

THE Board resolve to submit to Government the following Report on the cultivation of and trade in Cotton for Fasli 1285.

2. *Season.*—On the whole the season commenced favorably, but proved adverse later on, except in parts of Ganjam, Godavery, and Kurnool. The rains generally failed at the last stage of the growth of the crop; in parts of Ganjam, Godavery, and Kistna, on the other hand, they were excessive in October. As mentioned in the last report cotton is sown generally from July to October, and the crop is gathered from January to May.

3. *Area under Cultivation.*—The area devoted to cotton during the year under report was 1,645,389 Acres against 1,577,363 in the previous year, exhibiting a small increase of 4.3 per cent. Nearly the whole of the above area is comprised in the seven districts noted in the margin. The subjoined statement shows the cultivation in each district in the last three years, and the abstract next following its progress since Fasli 1262:—

	Percentage of Total Area.
Bellary...	23.4
Tinnevely...	17.2
Kistna...	13.9
Kurnool...	14.8
Coimbatore...	11.2
Madura...	5.8
Cuddapah...	5.2
Total...	91.5

Districts.	Fasli 1283.	Fasli 1284.	Fasli 1285.
	ACRES.	ACRES.	ACRES.
1. Bellary ...	41,956	337,550	385,596
2. Tinnevely ...	30,589	284,622	281,560
3. Kistna ...	23,239	226,414	229,583
4. Kurnool ...	22,510	202,613	244,130
5. Coimbatore ...	19,307	193,464	184,520
6. Madura ...	11,497	97,412	95,420
7. Cuddapah ...	9,664	75,952	85,701
8. Trichinopoly ...	4,620	49,540	43,186
9. Salem ...	2,879	20,999	12,630
10. Nellore ...	2,280	20,594	22,303
11. South Arcot ...	2,672	18,669	16,442
12. Godavery ...	2,410	17,026	14,265
13. Vizagapatam ...	1,914	16,653	12,900
14. Ganjam ...	1,209	11,085	12,675
15. Tanjore ...	879	4,391	4,060
16. North Arcot ...	355	210	263
17. South Canara ...	77	164	134
18. Chingleput ...	14	5	3
Total ...	1,70,071	1,577,363	1,645,389

Faslis.	Aeres.	Faslis.	Aeres.	Faslis.	Aeres.
1262 ...	983,040	1270 ...	1,060,558	1278 ...	1,341,365
1263 ...	911,489	1271 ...	1,020,184	1279 ...	1,758,022
1264 ...	868,210	1272 ...	1,309,324	1280 ...	1,467,226
1265 ...	797,504	1273 ...	1,766,312	1281 ...	1,617,083
1266 ...	988,047	1274 ...	1,747,501	1282 ...	1,757,724
1267 ...	932,180	1275 ...	1,395,697	1283 ...	1,763,071
1268 ...	1,041,848	1276 ...	1,316,944	1284 ...	1,577,363
1269 ...	1,076,658	1277 ...	1,486,861	1285 ...	1,645,389

4. The increase in cultivation over the previous year occurs chiefly in Bellary and Kurnool, and is attributed to more active demand for this commodity, and in a measure also to the system in vogue of growing cotton and jonna alternately in order to invigorate the soil, a result which it is considered the practice tends to effect.

5. *Species Cultivated.*—The cotton grown in this Presidency is mostly indigenous. In Coimbatore alone acclimatized Bourbon and American seed was sown to some extent. As the Government are aware every attempt made in past years to grow exotic cotton has proved unsuccessful. During the year under report New Orleans' cotton was tried in Salem and failed. The Collector states that the seeds did not even sprout and were destroyed by insects owing to the soil and climate being unsuited to that species.

6. *Outturn of Cleaned Cotton and Quality.*—The estimated outturn and value of cleaned cotton, as reported by Collectors, are thrown together in the annexed table in comparison with Fasli 1284. The quality was on the whole moderately good, and is considered to have been well suited for native cloths:—

Districts.	Fasli 1284.		Fasli 1285.	
	Quantity.	Value.	Quantity.	Value.
	CWTS.	RS.	CWTS.	RS.
1. Bellary ...	102,210	18,85,235	100,000	18,41,740
2. Tinnevely ...	82,438	19,68,422	69,843	16,68,890
3. Kistna ...	83,415	12,81,356	76,652	11,78,852
4. Kurnool ...	52,829	9,46,515	66,378	11,68,869
5. Coimbatore ...	80,757	16,59,725	63,633	13,47,077
6. Madura ...	30,990	6,50,772	27,038	6,02,074
7. Cuddapah ...	20,344	4,15,363	12,642	4,23,946
8. Trichinopoly ...	16,917	Not given.	9,275	Not given.
9. Salem ...	9,237	2,79,485	5,155	1,52,605
10. Nellore ...	17,113	42,415	5,600	1,24,450
11. South Arcot ...	28,43	67,212	1,939	32,518
12. Godavery ...	4,122	1,98,200	9,287	1,89,303
13. Vizagapatam ...	6,326	1,66,530	6,231	1,20,318
14. Ganjam ...	1,510	1,51,000	3,968	1,25,481
15. Tanjore ...	1,679	37,883	3,218	25,166
16. North Arcot ...	46	840		1,495
17. South Canara ...	260	Not given.	281	6,625
Total...	511,636	* 97,50,903	461,195	† 90,09,409

* Exclusive of Trichinopoly and South Canara.

† Exclusive of Trichinopoly.

7. The figures entered above for Fasli 1285 are from those given in the preceding table, and the difference is very considerable in Tinnevely. The Collector has not explained the discrepancies; they should do so now. In the foregoing table the figures as given in the present returns have been adopted.

Districts.	As in Report for Fasli 1284.		As given in the present Report.	
	CWTS.	VALUE RS.	CWTS.	VALUE RS.
Tinnevely ...	2,50,500	11,37,000	82,438	19,68,422
Kistna ...	76,646	15,09,707	83,415	12,81,356
Tanjore ...	3,703	...	3,679	...
South Canara ...	232	...	260	...

	Increase.
	CWTS.
1. Kurnool ...	13,549
2. Nellore ...	3,887
3. Godavery ...	165
4. South Canara ...	21
5. North Arcot ...	9
Total...	17,631

	Decrease.
	CWTS.
1. Coimbatore ...	17,124
2. Tinnevely ...	12,595
3. Cuddapah ...	7,702
4. Kistna ...	6,763
5. Trichinopoly ...	6,642
6. Salem ...	4,082
7. Madura ...	3,952
8. Bellary ...	3,210
9. Vizagapatam ...	2,095
10. Ganjam ...	1,542
11. South Arcot ...	904
12. Tanjore ...	461
Total...	67,072

8. The total estimated outturn of the crop for Fasli 1285, as exhibited in the foregoing table, fell short of that of the previous year by 49,441 cwts., a result arising out of a gross decrease of 67,072 cwts. in twelve districts and a gross increase of 17,631 cwts. in the remaining five as shown in the margin.

9. It is probable that, owing to the unfavorable character of the season, the yield of the crop in the aggregate was smaller than in the previous year; but the Board consider the returns of estimated outturn altogether unreliable. It is to be observed that no record is kept anywhere of the outturn of cotton or of any other crops, and that local authorities have no means under the present system of estimating it with any approximation to correctness. The figures therefore as reported by Collectors evidently rest on no better basis than the guesses of the Curnams, and are palpably wide of the mark, inasmuch as the aggregate of the estimated outturn, even without making any deduction for local consumption, considerably falls short of the exports by sea as shown by the Trade Returns. A considerable portion of the crop gathered in one year must of course be exported in the course of the following year, and it is also probable that stocks are retained in hand in anticipation of a favorable market; but the statistics returned for two successive years (Faslis 1284 and 1285) show the outturn to be far below the quantities exported,* and no special circumstances tending to an unusual accumulation of stocks in previous years have been adduced.

	Estimated Outturn.	Exports.
	CWTS.	CWTS.
* Fasli 1284 ...	510,636	751,830
" 1285 ...	461,195	704,068

The export trade of the Presidency in cotton is confined almost wholly to the ports of Madras and Tuticorin, and to those in the Godavery and Kistna Districts. Now the total exports from Madras during the year under report amounted to 398,883 cwts., and this quantity agrees pretty nearly with what is shown by the Traffic Returns of the Madras Railway to have been brought into Madras by rail, i.e., 381,368 cwts.

* From the Nizam's country ... 48,042
 From Coimbatore ... 10,962
 Vide table of Railway traffic appended to paragraph 15.

	Fasli 1284.	Fasli 1285.
	CWTS.	CWTS.
+ Bellary ...	103,210	100,000
Kurnool ...	52,829	66,379
Cuddapah ...	20,344	12,642
Total ..	176,383	179,020

	CWTS.
+ Tinnevely ...	69,843
Madura ...	27,038

	CWTS.
Godavery ...	9,287
Kistna ...	76,652

Kistna (85,939 cwts.), supplemented by imports from the Nizam's dominions, and possibly also from the Central Provinces may perhaps be taken to cover both local consumption and exports by sea from those two districts which amounted to 105,952 cwts.

10. From what has been stated above it will be seen that little or no value attaches to the averages per acre deduced from the Collectors' estimates of outturn. The average of cleaned cotton for each district as given is exhibited in the annexed table. In several instances the rate per acre according to the Collectors' reports does not agree with the average obtained by distributing the total outturn over the area of cultivation; but this, the Board presume, is owing to the latter, including lands on which the crop has totally failed. Endeavours should be made to secure more trustworthy estimates of the outturn in future:—

Districts.	Fasli 1283.	Fasli 1284.	Fasli 1285.	Remarks.
	LBS. PER ACRE.	LBS. PER ACRE.	LBS. PER ACRE.	
1. Bellary ...	31	34	29	
2. Tinnevely ...	Not given.	98	28 to 112	
3. Kistna ...	27	40	37	
4. Kurnool ...	30	32	30	
5. Coimbatore ...	32	38	29	
6. Madura ...	Not given.	37	35	
7. Cuddapah ...	25	31	25	
8. Trichinopoly ...	42	35	24	
9. Salem ...	50	49	45	
10. Nellore ...	Not given.	31	28	
11. South Arcot ...	25	17	18	
12. Godavery ...	Not given.	180	218	Uncleaned.
13. Vizagapatam ...	56	57	54	
14. Ganjam ...	Not given.	56	112	
15. Tanjore ...	Do.	23	23	
16. North Arcot ...	Do.	25	24	
17. South Canara ...	158	158	234	This must also include uncleaned cotton, though it is not so stated.
18. Chingleput ...	...	...	...	
19. Madras ...	...	...	...	
20. Nilgiris ...	...	...	...	
21. Malabar ...	...	...	...	

Deducting from this last mentioned quantity 59,004* cwts. imported from the Nizam's country and from Coimbatore the whole of the remainder, i.e., 322,364 cwts., must consist of the produce of the three districts of Bellary, Kurnool, and Cuddapah; for, as will be shown hereafter under the head of Exports, it is not probable that any other district supplies the Madras export market, yet the estimated outturn in these three districts during the year under report is stated to be only 179,020 cwts., and in the previous year rather less, i.e., 176,383 cwts. The estimated outturn in Tinnevely and Madura (96,881 cwts.) is equally irreconcilable with the exports from Tuticorin which amounted to 198,724 cwts., almost the whole of which must have been drawn from the two districts last mentioned. The estimated outturn in Godavery and

imports from the Nizam's dominions, and possibly also from the Central Provinces may perhaps be taken to cover both local consumption and exports by sea from those two districts which amounted to 105,952 cwts.

10. From what has been stated above it will be seen that little or no value attaches to the averages per acre deduced from the Collectors' estimates of outturn. The average of cleaned cotton for each district as given is exhibited in the annexed table. In several instances the rate per acre according to the Collectors' reports does not agree with the average obtained by distributing the total outturn over the area of cultivation; but this, the Board presume, is owing to the latter, including lands on which the crop has totally failed. Endeavours should be made to secure more trustworthy estimates of the outturn in future:—

11. *Cost of Cultivation.*—This is also shown below as reported by Collectors; but the Board are not disposed to attach any more value to the figures given under this head than to the estimated outturn of the crop. The cost of cultivation must, of course, vary under different conditions; but it is difficult to understand such wide variation as from 8 Annas per acre, the minimum in Kurnool, to Rupees 15, the maximum in Tanjore. The rates are based apparently on no careful calculation of the various component items of cost, and from their varying so much in one and the same district, it is to be presumed that they have been taken as given by the several Cultivators:—

	Per Acre.
	RS. A. P.
Ganjam ...	3 (0 to 10 0 0
South Arcot ...	5 (0 to 12 12 0
Tinnevely ...	6 (0 to 7 0 0
Vizagapatam ...	5 (0
Godavery ...	6 (0
Coimbatore ...	7 (0
Kurnool ...	0 8 0 to 3 0 0
Kistna ...	2 15 0 to 7 0 0
Salem ...	3 8 0 to 12 0 0
Cuddapah ...	2 0 0
Trichinopoly ...	12 0 0
Nellore ...	1 15 9
Madura ...	6 4 0
Tanjore ...	3 0 0 to 15 0 0
Bellary ...	5 0 0 excluding the cost of feeding boys and servants.

12. *Average ruling prices of cotton retained for local consumption.*—The information furnished by Collectors under this head agrees pretty nearly with the averages deduced from the Monthly Returns in the Board's office, except in the case of the districts named in the margin, the Collectors of which are requested to explain the discrepancies. The prices reported from Salem and Tanjore are obviously incorrect; in the district first mentioned it is given as Rupees 2-2-0 per maund on the average, and taking the maund to be the Madras maund of 25 lbs., the price is Rupees 42-8-0 against nearly Rupees 120 per candy of 500 lbs. in the previous year. If the Indian maund of 82½ lbs. is meant, the price is much further reduced. In Tanjore the price is stated to vary from Rupees 5-5-0 in the Tanjore Taluk to Rupees 39-13-1 in Shealli, but the denomination of the weight is not given; whatever it may be, the variation indicated is hardly credible. As on the whole the prices for this special report do not appear to have been carefully ascertained, the Board consider it more satisfactory to take the averages of bazaar prices of cleaned cotton as given in the Monthly Returns, which are accordingly exhibited in the table below. From this it will be seen that the price per candy of 500 lbs. varies from Rupees 77 in Bellary to 130 in South Arcot, the high rate in the latter being due apparently to brisk local demand. It is here to be observed that, though South Arcot is a coast district, no cotton is exported thence by sea:—

	Averages of Monthly Returns Per Candy.	Prices as now reported Per Candy.
	RS.	RS.
Cuddapah ...	77 to 104	80
Ganjam ...	124	136
Godavery ...	115	87
North Arcot ...	110	120
South Arcot ...	130	125
Tanjore ...	110	5-5-0 to 39-13-1
Salem ...	113	Average Rs. 2-2-0 per maund.

Districts.	Fasli 1283. Per candy of 500 lbs.	Fasli 1284. Per candy of 500 lbs.	Fasli 1285. Per candy of 500 lbs.
	RS.	RS.	RS.
1. Bellary ...	83	81	77
2. Tinnevely ...	Not given.	98	105
3. Kistna ...	99	88	84
4. Kurnool ...	102	80	80
5. Coimbatore ...	101	92	97
6. Madura ...	Not given.	Not given.	102
7. Cuddapah ...	75	75	77 to 104
8. Trichinopoly ...	Not given.	Not given.	79
9. Salem ...	155	120	113
10. Nellore ...	Not given.	97	99
11. South Arcot ...	Do.	111	130
12. Godavery ...	Do.	Not given.	115
13. Vizagapatam ...	111	111	120
14. Ganjam ...	125 to 166	125 to 166	124
15. Tanjore ...	7 to 50	6 to 50	110
16. North Arcot ...	Not given.	Not given.	119
17. South Canara ...	Do.	128	102

13. The following table shows the exports and imports by sea during the past and preceding years. The exports on the whole were smaller*, those to France,

* Fasli 1284	75,830
Do. 1285	70,068
Decrease...	4,762

China, and Calcutta alone showing an increase. Imports were necessarily limited, the normal features of the trade being exports of the raw material and imports of manufactured goods.

	FASLI 1284.		FASLI 1285.	
	Quantity.	Value.	Quantity.	Value.
EXPORTS.				
<i>To Foreign Countries.</i>				
United Kingdom ...	546,710	1,22,82,824	475,122	1,06,69,522
France ...	55,473	12,17,834	76,723	16,35,106
Austria—Trieste ...	33,775	6,06,345	26,622	6,08,666
Italy { Venice ...	1,588	5,68,345	26,038	5,44,731
Genova ...	22,429	5,06,314	9,577	2,23,473
Naples ...	1,527	35,069	...	...
Holland ...	10,929	2,72,700	6,482	1,45,200
Africa—Zanzibar ...	3	65	...	...
Aden ...	63	1,313	...	...
Maldives ...	...	3	1,998	45,203
Ceylon ...	18,054	4,05,152	50,837	11,26,293
China—Hongkong ...	8,662	1,98,701	...	...
Total Exports to Foreign Countries...	723,213	1,60,95,065	673,499	1,49,98,194
<i>To other Presidencies and Indian Ports not British.</i>				
Calcutta ...	23,142	5,21,030	30,230	6,78,593
Bombay ...	5,034	1,38,273	32	660
Other Ports ...	7	130	26	410
Pondicherry ...	268	5,400	281	6,300
Travancore ...	166	4,153	...	...
Total Exports to other Presidencies and Indian Ports not British in this Presidency...	28,617	6,68,986	30,569	6,85,963
Grand Total...	51,830	1,67,64,051	704,068	1,56,84,157
IMPORTS.				
<i>From Foreign Countries.</i>				
From Ceylon ...	92	496	326½	1,726 8
„ Laccadives (now not a foreign port) ...	2	10	...	...
„ Penang ...	...	...	...	...
Total...	94	506	326½	1,734
<i>From other Presidencies.</i>				
From Calcutta ...	149	2,272	36	1,020
„ Bombay ...	155	2,989	119	415
Other ports ...	...	...	196½	3,613
British Burmah and other ports ...	2	33	20	500
„ Cutch ...	...	...	...	...
„ Pondicherry ...	...	...	...	...
Total...	306	5,294	371½	5,555
Total Imports...	400	5,800	698½	7,289

Godavery	89,334
Kistna	16,618
Fort St. George	398,883
Tuticorin	198,724
Malabar	501
South Canara	8

Total ... 704,068

14. Exports by sea are almost wholly restricted to the ports in the Godavery and Kistna Districts, and to Madras and Tuticorin, as shown in the margin, and the tracts whence the supply is drawn have been particularized under the head of outturn. The total quantity of raw cotton exported annually during the last twenty-five years as also its value are exhibited below. The figures are for the official year:—

	Quantity.	Value.		Quantity.	Value.
	CWTS.	RS.		CWTS.	RS.
1851-52	315,708	40,35,217	1864-65	652,693	4,04,18,937
1852-53	679,179	86,65,071	1865-66	1,071,734	4,84,16,346
1853-54	279,695	37,85,382	1866-67	217,566	9,437,365
1854-55	239,727	31,19,425	1867-68	440,055	1,23,65,500
1855-56	187,620	25,21,351	1868-69	839,560	2,13,99,830
1856-57	482,036	72,22,286	1869-70	611,379	1,91,25,050
1857-58	491,208	87,71,724	1870-71	378,099	1,06,04,132
1858-59	345,112	61,17,902	1871-72	672,581	1,72,05,095
1859-60	736,719	95,97,185	1872-73	606,298	1,58,76,737
1860-61	703,768	1,12,91,211	1873-74	548,418	1,28,33,988
1861-62	772,718	1,70,40,215	1874-75	717,755	1,62,68,783
1862-63	556,912	2,38,12,582	1875-76	733,420	1,65,28,491
1863-64	647,240	4,47,18,112			

15. No means exist for ascertaining the quantities of cotton exported from and imported into this Presidency otherwise than by sea. The subjoined table however shows the traffic in cotton on the Madras Railway, and may be found useful so far as it goes. It will be observed that the total quantity exported from Madras exceeds by 17,515 cwts, the quantity brought by rail into the town.

The crop is not cultivated in Chingleput, and the outturn in the two neighboring districts of South Arcot and Nellore is estimated at only 1,939 and 5,600 cwts. respectively, quantities so limited as not to exceed in all probability the requirements for local consumption. Besides the difference between the year's imports by rail and exports by sea however, which might possibly be due to the exportation of surplus stock, the requirements of the country looms and spinning mills at work in the town and its neighborhood have to be met, and the only explanation is the existence of a considerable traffic by road unless the Railway returns are wrong. The point should be investigated by the Collector of Madras and explanation afforded if possible.

To	Madras.	Chingleput.	Chittoor.	Coimbatore.	Bellary.	Adoni.	Bangalore.	Brode.	Colimbatore.	Avanashi.	Pulicat.	Ranchore.	Total.
1284	1284												235,003
1285	1285												331,868
1286	1286												6
1287	1287												112
1288	1288												3
1289	1289												17
1290	1290												91
1291	1291												8,765
1292	1292												3,688
1293	1293												8,676
1294	1294												45,042
1295	1295												4
1296	1296												37
1297	1297												1,067
1298	1298												60
1299	1299												3
1300	1300												42
Total	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	298,703
Other Stations	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	433,193
Grand Total	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	731,896

16. *The Manner in which Cotton is brought down to the Port of Shipment.*—From Bellary and Cuddapah cotton is sent chiefly to Madras in pressed bales. From Kurnool, it is sent in unpressed bales to the various stations on the railway and thence to Madras. In the Kistna District, it is packed in hand-made gunny bags, and carried by cart to Guntur and Jaggayapeta, where it is pressed and taken in carts to Bezwada; from which place it is conveyed in boats to Cocanada and to some extent by road to Masulipatam. From Coimbatore, it is sent generally in screwed and fully-pressed bales as well as in gunny bags by rail to Madras. From Tinnevely and Madura it is carried by rail and by road in carts in unpressed bales to Tuticorin.

16. *Freight.*—The annexed table shows the rates prevailing in Fasli 1285 per ton, compared with those in the previous two faslis.

FREIGHT TO EUROPE FROM MADRAS PER TON.												From Cocanada in Fasli 1285.
Months.	Via the Cape.				Via the Canal.				From Tinnevely in Fasli 1285.			
	Fasli 1283.	Fasli 1284.	Fasli 1285.	Average.	Fasli 1283.	Fasli 1284.	Fasli 1285.					
July ..	£ s. d. 2 17 6 to 3 15 0	£ s. d. 3 2 6 to 3 5 0	£ s. d. 2 5 7	£ s. d. 2 5 7	£ s. d. 3 15 0 to 3 17 6	£ s. d. 3 0 0 to 3 10 0	£ s. d. 3 0 0	The average freight to Havre and London were £ 2-10-0 per ton of 50 cubic feet which is equivalent to 6 bales pressed.				
August ..	£ s. d. 2 15 0 to 3 5 0	£ s. d. 2 15 0 to 3 5 0	£ s. d. 2 7 11	£ s. d. 2 7 11	£ s. d. 3 17 6 to 4 0 0	£ s. d. 3 0 0 to 3 5 0	£ s. d. 3 1 8					
September ..	£ s. d. 2 10 0 to 3 5 0	£ s. d. 3 2 6 to 3 7 6	£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 4 0 0	£ s. d. 3 5 0	£ s. d. 3 5 0					
October ..	£ s. d. 3 2 0 to 3 2 6	£ s. d. 2 17 6 to 3 5 0	£ s. d. 2 13 4	£ s. d. 2 13 4	£ s. d. 3 17 6 to 4 0 0	£ s. d. 3 5 0	£ s. d. 3 5 0					
November ..	£ s. d. 3 7 6 to 3 15 0	£ s. d. 2 5 0	£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 3 17 6	£ s. d. 3 0 0 to 3 5 0	£ s. d. 3 1 3					
December ..	£ s. d. 2 5 0 to 2 10 0	£ s. d. 2 5 0 to 2 17 6	£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 3 15 0	£ s. d. 3 0 0	£ s. d. 3 0 0					
January ..	£ s. d. 2 5 0 to 2 15 0	£ s. d. 2 17 6 to 3 0 0	£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 3 15 0	£ s. d. 3 10 0 to 4 0 0	£ s. d. 3 0 0					
February ..	£ s. d. 2 15 0	£ s. d. 2 5 0 to 2 15 0	£ s. d. 2 8 8	£ s. d. 2 8 8	£ s. d. 4 0 0	£ s. d. 3 10 0 to 4 0 0	£ s. d. 3 7 6					
March ..	£ s. d. 3 3 5 to 3 10 0	£ s. d. 2 0 0 to 2 7 6	£ s. d. 2 7 6	£ s. d. 2 7 6	£ s. d. 3 17 6 to 4 0 0	£ s. d. 3 10 0	£ s. d. 2 15 0					
April ..	£ s. d. 3 2 6 to 3 5 0	£ s. d. 2 5 0 to 2 7 6	£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 3 15 0 to 3 17 6	£ s. d. 3 0 0 to 3 10 0	£ s. d. 2 15 0					
May ..	£ s. d. 3 5 0 to 3 7 6	£ s. d. 2 5 0	£ s. d. 1 17 6	£ s. d. 1 17 6	£ s. d. 3 10 0 to 3 17 6	£ s. d. 3 0 0	£ s. d. 2 15 0					
June ..	£ s. d. 3 5 0 to 3 7 6	£ s. d. 2 5 0	£ s. d. 1 17 6	£ s. d. 1 17 6	£ s. d. 3 10 0 to 3 17 6	£ s. d. 3 0 0	£ s. d. 2 15 0					

17. *Prices ruling in the Countries to which Cotton is exported and in the Districts from which it is exported.*—The subjoined statement shows the monthly prices per candy of 500 lbs. in London and at Madras during Fasli 1285, compared with the previous two years. The prices at other parts of export as reported by Collectors are below the district averages and not likely to be accurate. The average ruling prices in the districts where the crop is grown can be seen from the table given in paragraph 12:—

		LONDON.			Madras.
		Western Cotton.	Cocanada.	Tuticorin.	Rs.
		£ s. d.	£ s. d.	£ s. d.	
July 1875...	1283	12 15 2	12 11 9	13 2 3	115
	1284	10 4 10	11 12 7	11 7 5	94
	1285	10 8 4	10 8 4	10 8 4	97
August "...	1283	12 12 7	12 7 5	13 4 4	115
	1284	10 5 1	10 13 6	11 11 4	98
	1285	10 1 4	10 8 4	10 8 4	99
September "...	1283	12 15 2	12 7 5	13 9 6	112
	1284	10 5 1	10 13 6	11 11 4	98
	1285	10 8 4	10 8 4	10 8 4	97
October "...	1283	12 13 11	12 4 9	13 10 10	115
	1284	10 3 1	10 18 9	11 11 9	97
	1285	10 8 4	10 8 4	10 8 4	95
November "...	1283	12 2 2	12 0 5	12 16 6	113
	1284	10 9 6	11 3 11	11 13 1	99
	1285	10 3 4	10 8 4	10 8 4	99
December "...	1283	11 17 7	12 4 9	13 0 5	113
	1284	9 15 7	11 1 4	11 10 6	99
	1285	10 3 4	10 8 4	10 8 4	95
January 1876...	1283	11 9 2	13 0 5	12 7 5	112
	1284	10 9 6	10 16 1	11 18 3	99
	1285	10 8 4	10 8 4	10 8 4	100
February "...	1283	10 13 6	11 17 0	11 11 9	100
	1284	10 3 1	10 18 9	11 18 4	99
	1285	10 3 4	10 8 4	10 8 4	96
March "...	1283	10 13 6	11 17 0	11 17 0	102
	1284	10 3 4	11 9 7	11 14 9	99
	1285	10 3 4	10 8 4	10 8 4	100
April "...	1283	10 13 9	12 2 2	12 0 10	99
	1284	10 7 5	11 14 4	12 3 11	99
	1285	10 3 4	10 8 4	10 8 4	95
May "...	1283	11 17 0	12 4 9	12 4 9	100
	1284	10 13 1	11 3 11	11 16 11	99
	1285	10 3 4	10 8 4	10 8 4	100
June "...	1283	11 17 0	12 4 9	12 2 2	104
	1284	10 10 11	10 18 9	11 16 11	97
	1285	10 8 4	10 8 4	10 8 4	95
Average "...	1283	11 4 8	12 5 5	12 13 11	108
	1284	10 4 10	11 2 4	11 13 4	98
	1285	10 8 4	10 8 4	10 8 4	97

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1. Vizagapatam	96,705
2. Coimbatore	93,464
3. Godavery	69,450
4. Trichinopoly	34,427
5. Cuddapah	33,974
6. Bellary	31,944
7. Salem	28,400
8. Malabar	26,048
9. Tanjore	20,874
10. Tinnevely	20,000
11. Kurnool	14,253
12. Kistna	14,000
13. South Arcot	13,511
14. Madura	12,300
15. Nellore	9,580
16. Ganjam	4,350
17. South Canara	2,172
Total	525,452

As per Census of 1871.

1. Cotton Weavers	376,561
2. Silk do.	558
3. Carpet do.	155
4. Blanket do.	2,867
Total	380,141

Total number as now reported ... 525,452

Excess ... 145,311

but country yarn continues to be used for

19. *Cotton Mills.*—As stated in the 1st report there are only two cotton spinning mills in the town of Madras,—one at Royapooram and the other at Choolay. The capital of the former amounts to Rupees 3,500, consisting of 300 shares of Rupees 1,250 each, and that of the latter to Rupees 4,37,500, consisting of 437½ shares of Rupees 1,000 each. The Royapooram Mill commenced operations on the 28th November 1875, and two engines of 25 horse-power with 14,800 spindles are at work; the quantity of cotton worked up is not ascertainable, but the quantity of yarn manufactured was 814 cwts., and its value Rupees 14,554. The Choolay Mill was started on 1st March 1875; the quantity of material worked up between that date and 31st March 1876 was 6,700 cwts., and the amount of yarn turned out 4,822 cwts., valued at Rupees 2,17,000. The yarn produced at Royapooram is classed as No. 20, and that at Choolay as Nos. 20 and 21.

At Pondicherry spinning and weaving machines have been established for many years, but no particulars are known regarding them.

20. *General Remarks.*—The following information regarding the experimental cultivation in the Government Farm at Sydapet has been furnished by the Superintendent Mr. Robertson.

The total area under cotton during the year 1876 was about 10½ acres. The total gathering of cotton in seed from 1st to 30th September 1876, by which time nearly all the cotton plants had been taken up, was 2,533 lbs., which yielded on ginning 820 lbs., or 1 lb. of lint to 3 lbs. of uncleaned cotton. The annexed table shows the yield of lint from uncleaned cotton. It appears that the hot dry weather of March and April was advantageous to a high per-centage of lint, and that the weather experienced in July frequent slight showers was disadvantageous. The high per-centage given

in September is attributable to the rain on 5th (1.81 inches) being followed by bright dry warm weather:—

Date of Gathering.	Quantity of Cotton & Seed ginned.	Yield of Lint.	Cotton in Seed yielded clean Lint.
	Lbs.	LBS.	PER CENT.
February, 28th... ..	445.5	154	34.57
Do. 17th... ..		58	22.04
June 16th... ..		48	32.88
Do. 28th... ..		36	22.5
July 18th... ..	372	98	26.34
August 4th to 24th ...	655.5	111.5	17.01
September 21st to 25th ...	259	79.5	30.69

(True Copies and Extract.)

Sub-Secretary.

To the Secretary to Government, Revenue Department.
 „ all Collectors.
 „ the Superintendent, Government Farms.

Exd. F. R. Bantleman.

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PROCEEDINGS, 4TH MAY 1877, No. 2,062.

20/5/77

Encl.

Received

19/19 June

M. A. Y.
 No. 2,062.

Cotton.—Submitting to Government report on cultivation of, and trade in, — for Fiscal 1980.

With Memo