

2-1-59 B 11

M.R.O. 1-77,000-4-3-37.

(1) Number of pages 26

(2) Date of repair 6-9-28

(3) Initials of the Referencer R

# MADRAS RECORD OFFICE.

Government of Madras.

*Revenue* DEPARTMENT.

|          |             |                |
|----------|-------------|----------------|
| G.O. No. | <u>4607</u> | Press-<br>Mis. |
| Dated    | <u>23-7</u> | <u>1889.</u>   |

Not to be folded or roughly handled

Statement showing the progress made in the cultivation of cinchona in private plantations in the Nilgiri District for the official year 1888-89.

| Species and varieties                                                                | on the 31 <sup>st</sup> March 1889 |                     |                                        | Remarks |
|--------------------------------------------------------------------------------------|------------------------------------|---------------------|----------------------------------------|---------|
|                                                                                      | Under cultivation                  | Permanently planted | Estimated outturn for the year 1888-89 |         |
|                                                                                      | acres                              | plants              | lbs                                    |         |
| <i>C. succirubra</i>                                                                 | 921.28                             | 11,05,917           | 5560                                   |         |
| <i>C. officinalis</i>                                                                | 1225.76                            | 17,46,360           | 1,86,115                               |         |
| <i>C. " var Condaminia</i>                                                           | 396.43                             | 11,81,463           | 78,600                                 |         |
| <i>C. Lalitaya</i>                                                                   | 3.00                               | 3,900               | 975                                    |         |
| <i>C. " var ledgeriana</i>                                                           | 884.78                             | 27,96,648           | "                                      |         |
| <i>C. " other varieties</i>                                                          | 26.50                              | 31,870              | 325                                    |         |
| <i>C. Pubescens</i>                                                                  | 31.05                              | 61,000              | "                                      |         |
| <i>C. bartholomaea</i>                                                               | "                                  | "                   | "                                      |         |
| <i>C. Hybrids</i>                                                                    | 506.75                             | 10,70,575           | 1,325                                  |         |
| <i>C. mixed varieties</i>                                                            | 226.55                             | 4,96,060            | 21,320                                 |         |
| Total as per returns from planters -                                                 | 4222.10                            | 84,93,793           | 2,94,220                               |         |
| Add outturn for S.E. Mysnad for which particulars are not given against each species | —                                  | —                   | 3,49,931                               |         |
|                                                                                      |                                    |                     | 6,44,151                               |         |
| Total according to village accounts                                                  | 10,329.52                          | 2,06,59,040         |                                        |         |

W. H. H. H.  
Collector

Nilgiri Collector's Office

Coimbatore July 1889.

No. 29

From

3454

9

L. F. Macfarlane Esqr.

as Collector of Nilgiris.

To,

The Secretary to the Commission  
of Revenue Settlement and Director of the  
Department of Land Records & Agriculture  
Madras.

Sir,

I have the honor to submit the  
annual statement of Cinchona cultivation  
in the private plantations of this district for the  
official year 1888-89.

2.

The return varies considerably  
under each description of Cinchona from the figures  
for 1887-88. and unfortunately no satisfactory  
explanation is forthcoming because the return is  
compiled from information furnished by planters,  
the accuracy of which this office has no means of  
checking. Not only may the returns be compara-  
tively worthless in point of accuracy, but as  
observed in previous reports they are not complete  
for the district owing to many planters having  
neglected to respond to the call for information.

3.

The total area under Cinchona  
plantations according to the village accounts

is 10,329.52 acres which multiplied by 2,000 plants or trees - the assumed number planted on each acre gives a total of 20,659,040 plants or trees. The area under planting in 1887-88 as per village accounts was acres 9588. The increase during 1888-89 occurs chiefly in South East Wynnaad and is attributed to greater accuracy in the Registration of cultivation.

4. The Board and Government thought 2000 trees per acre too high an estimate and in para 2 of L.G. No. 7467 dated 15<sup>th</sup> December 1888, communicated with Board's Proceedings dated 28<sup>th</sup> idem No. 4191 Miscellaneous directed that further enquiries should be made to arrive at a fair average. Four of the principal planters in this district were accordingly addressed three of whom replied as follows...

(1) Mr. J. W. B. Money of Devashola writes "like Mr. Lawson we plant Succirubras and Hybrids 4 feet apart and take out alternate trees in each row at about the 8" or 10" year which leaves the remaining trees 6 feet apart. At about the 12" or 13" year every alternate row is removed the effect of which is to leave the trees 8 feet apart, the number of trees then standing being 680 to the acre. but this number

he agrees with Mr. Lawson in thinking should be reduced after making full allowance for casualties. 600 well grown Succirubras or Hybrids 15 or more years' old being quite as many as one could expect to the acre". Officinalis which is a smaller and less bushy tree - is planted by Mr. Money 3" x 3". The removal of every alternate tree in each row leaves the survivors 4 1/2 feet apart or 2151 to the acre which after allowing for casualties would leave about 2000 officinalis per acre. Mr. Money further observes that experience alone can decide the question at issue between himself and Mr. Lawson who plants originally at 4 feet intervals.

(2) Mr. Martyn of Nadiwattam writes that his Cinchonas were planted in 1879 and that vacancies amounting to about 2 per cent were filled up in 1880 and 1881. He counted a detached block of this 1879 planting <sup>which</sup> was originally planted 4' x 4' with 2920 Cinchonas officinalis and found 2722 trees aged 10 years. He is of opinion that 4' x 4' is certainly far too close to plant Succirubras or even Hybrids owing to the very considerable thinning which plants growing at such close intervals ~~would~~ <sup>must</sup> require. As regards officinalis he would expect to see at least 2000 to an acre at 10 years' old and 1500 to an

acre at 15 years.

3. Mr E. L. Sponge of the Suchterloney valley writes as follows: - "All vacancies in Cinchona clearings in the Suchterloney valley are filled up annually and although the renewed plants never quite come up to the standard of the original trees, yet they grow to a fair size and tend to keep the clearings regular. Under such system of renewals there are generally 80 to 90 per cent of the original number of trees to the acre. Our Cinchonas are planted 5' x 5' and contain (originally) 1700 plants to the acre."

5. From the foregoing, it will be observed that the system of planting differs in each Estate and until more accurate information can be obtained, the average of 2000 trees per acre has been adopted as in previous years for the purpose of the present return.

6. Looking to the untrustworthy character of the information furnished in the present return and its worthlessness for statistical purposes - its compilation is little <sup>use</sup> ~~use~~ than waste of time and might advantageously be dispensed with at least in its present form. If the acquisition of reliable statistics relating to Cinchona culture is considered of vital importance, reliable information can only be obtained by the deputation of

41  
of a special officer such as Mr. Lawson to visit the several Estates.

7. I regret the delay in the submission of the return which is due to the unpunctuality of the Deputy Tahsildars in submitting their reports. They have been warned to be more punctual in future.

I have the honor to be  
Sir  
your most obedient servant

T. Munshi  
Collector.

Encl.

58

The Coast  
Westward  
Coasting

1876

C. 45364

Enclosure to Board's Proceedings  
(Dundell Land Records and Map)  
No 350 dated 13<sup>th</sup> July 1887.

(Vide last sentence of the Resolution)



STATEMENT showing the PROGRESS made in the CULTIVATION of CHINCHONA in PRIVATE PLANTATIONS in INDIA.

## BENGAL.

| SPECIES AND VARIETIES.                         | 31st MARCH 1884.   |                      |                               | 31st MARCH 1885.   |                      |                               | 31st MARCH 1886.   |                      |                               | 31st MARCH 1887.   |                      |                               | 31st MARCH 1888.   |                      |                               |
|------------------------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|
|                                                | UNDER CULTIVATION. | PERMANENTLY PLANTED. | OUTTURN FOR THE YEAR 1883-84. | UNDER CULTIVATION. | PERMANENTLY PLANTED. | OUTTURN FOR THE YEAR 1884-85. | UNDER CULTIVATION. | PERMANENTLY PLANTED. | OUTTURN FOR THE YEAR 1885-86. | UNDER CULTIVATION. | PERMANENTLY PLANTED. | OUTTURN FOR THE YEAR 1886-87. | UNDER CULTIVATION. | PERMANENTLY PLANTED. | OUTTURN FOR THE YEAR 1887-88. |
|                                                | Acres.             | Plants.              | lbs.                          | Acres.             | Plants.              | lbs.                          | Acres.             | Plants.              | lbs.                          | Acres.             | Plants.              | lbs.                          | Acres.             | Plants.              | lbs.                          |
| <i>C. succirubra</i> ...                       | 274                | 422,717              |                               | 281                | 523,386              |                               | 274                | 529,270              |                               | 283                | 395,930              |                               | 278                | 351,470              |                               |
| <i>C. officinalis</i> , var. <i>condaminia</i> | 20                 | 54,270               |                               | 20                 | 54,270               |                               | 20                 | 54,270               |                               | 20                 | 54,270               |                               | 20                 | 54,270               |                               |
| <i>C. calisaya</i> ...                         | 323                | 561,173              | 4,800*                        | 169                | 307,950              | †                             | 26                 | 27,930               | 17,600†                       | 36                 | 82,370               | 30,000†                       | 36                 | 62,730               | 52,000†                       |
| <i>C. " var. ledgeriana</i> ...                | ...                | ...                  |                               | 412                | 718,440              |                               | 753                | 1,224,020            |                               | 873                | 1,415,220            |                               | 905                | 1,481,880            |                               |
| <i>C. " hybrid</i> ...                         | 50                 | 54,598               |                               | 68                 | 69,518               |                               | †                  | †                    |                               | ...                | ...                  |                               | ...                | ...                  |                               |
| <i>C. hybrid</i> ...                           | 13                 | 24,020               |                               | 18                 | 32,620               |                               | 127                | 178,250              |                               | 107                | 150,790              |                               | 116                | 184,140              |                               |
| TOTAL ...                                      | 680                | 1,116,778            | 4,800*                        | 968                | 1,706,184            | †                             | 1,200              | 1,813,740            | 17,600†                       | 1,319              | 2,098,590            | 30,000†                       | 1,355              | 2,134,430            | 52,000†                       |

\* These figures represent the yield from 295,547 plants only, the remaining 911,231 plants being new and yielding no outturn during the year.

† No information available.

‡ Outturn of two plantations only out of four in the District (Darjeeling).

## MYSORE.

|                                                |     |        |       |     |        |       |      |          |         |      |          |        |      |          |        |
|------------------------------------------------|-----|--------|-------|-----|--------|-------|------|----------|---------|------|----------|--------|------|----------|--------|
| <i>C. succirubra</i> ...                       | 23  | 21,733 |       | 23  | 21,733 |       | 326* | 142,063* |         | 326* | 144,351* |        | 384† | 164,024† |        |
| <i>C. officinalis</i> , var. <i>condaminia</i> | ... | 1,216  | 3,472 | ... | 1,216  | 3,472 | 326* | 1,216    | 11,431* | 271* | 33,369   | 4,312* | 384† | 69,959†  | 4,218† |
| TOTAL ...                                      | 23  | 22,949 | 3,472 | 23  | 22,949 | 3,472 | 326  | 143,279  | 11,434  | 271  | 177,720  | 4,312  | 384  | 233,983  | 4,218  |

\* 248 acres were newly brought under cultivation in the Kadir District. The number of plants thereon is 122,820, which being young yielded no outturn during the year.

† 113 acres were brought under cultivation in the Hassan District during 1887-88. The number of plants thereon is 49,479, which being young yielded no outturn.

## COORG.

|                                   |     |           |   |           |           |           |           |           |           |           |           |
|-----------------------------------|-----|-----------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>C. succirubra</i> ...          | ... | 855,423   |   | 1,490,392 |           | 1,194,839 |           | 1,065,578 |           | 1,330,823 |           |
| <i>C. officinalis</i> ...         | ... | ...       |   | ...       |           | ...       |           | ...       |           | ...       |           |
| <i>C. calisaya</i> ...            | (a) | 71,000    | * | (a)       | 6,037     | (a)       | 49,843    | (a)       | 48,863    | (a)       | 38,863    |
| <i>C. " var. ledgeriana</i> ...   | ... | 82,912    |   | 37,370    |           | 138,420   | 7,950     | 147,246   | 49,744    | 158,414   | 87,874    |
| <i>C. micrantha</i> , hybrids ... | ... | ...       |   | ...       |           | ...       |           | ...       |           | ...       |           |
| <i>C. Other varieties</i> ...     | ... | 485,050   |   | 76,400    |           | 66,050    |           | 104,550   |           | 9,250     |           |
| TOTAL ...                         | (a) | 1,494,385 | * | (a)       | 1,610,199 | (a)       | 1,440,152 | (a)       | 1,366,237 | (a)       | 1,537,350 |

\* No information available.

(a) Chinchona is grown in the spaces between coffee trees in coffee estates, but does not occupy any ground which could otherwise be planted with coffee.

STATEMENT showing the PROGRESS made in the CULTIVATION of CHINCHONA in PRIVATE PLANTATIONS in INDIA—contd.  
MADRAS PRESIDENCY.

| SPECIES AND VARIETIES.                         | ON THE 31st MARCH 1885. |                      |                                         | ON THE 31st MARCH 1886. |                      |                                         | ON THE 31st MARCH 1887. |                      |                                         | ON THE 31st MARCH 1888. |                      |                                         |
|------------------------------------------------|-------------------------|----------------------|-----------------------------------------|-------------------------|----------------------|-----------------------------------------|-------------------------|----------------------|-----------------------------------------|-------------------------|----------------------|-----------------------------------------|
|                                                | UNDER CULTIVATION.      | PERMANENTLY PLANTED. | ESTIMATED OUTTURN FOR THE YEAR 1884-85. | UNDER CULTIVATION.      | PERMANENTLY PLANTED. | ESTIMATED OUTTURN FOR THE YEAR 1885-86. | UNDER CULTIVATION.      | PERMANENTLY PLANTED. | ESTIMATED OUTTURN FOR THE YEAR 1886-87. | UNDER CULTIVATION.      | PERMANENTLY PLANTED. | ESTIMATED OUTTURN FOR THE YEAR 1887-88. |
|                                                | Acres.                  | Plants.              | lbs.                                    | Acres.                  | Plants.              | lbs.                                    | Acres.                  | Plants.              | lbs.                                    | Acres.                  | Plants.              | lbs.                                    |
| <i>Nilgiris.</i>                               |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |
| <i>C. succirubra</i> ...                       | 652½                    | 1,081,505            | 31,400                                  | 1,254                   | 1,916,036            | 213,612                                 | 1,413                   | 4,403,866            | 170,898                                 | 933                     | 1,188,787            | 126,356                                 |
| <i>C. officinalis</i> ...                      | 879                     | 2,128,499            | 22,700                                  | 369                     | 798,710              | 9,580                                   | 550                     | 1,168,390            | 36,380                                  | 461                     | 891,700              | 32,500                                  |
| <i>C. " var. condaminia</i>                    | 4                       | 9,000                | 700                                     | 936                     | 1,859,543            | *                                       | 1,743                   | 3,903,150            | 13,900                                  | 1,420                   | 3,485,973            | 260,558                                 |
| <i>C. calisaya</i> ...                         | ½                       | 1,000                | *                                       | 18                      | 36,520               | *                                       | 14                      | 24,500               | *                                       | 3                       | 3,900                | *                                       |
| <i>C. " var. ledgeriana</i> ...                | 168½                    | 270,619              | 3,000                                   | 431                     | 701,221              | 3,300                                   | 547                     | 695,569              | 24,985                                  | 453                     | 675,969              | 51,497                                  |
| <i>C. " other varieties</i> ...                | 80                      | 40,000               | *                                       | 18                      | 35,269               | *                                       | 25                      | 24,900               | *                                       | 6                       | 17,996               | 1,500                                   |
| <i>C. pubescens</i> ...                        | 100                     | 209,238              | *                                       | 22                      | 45,920               | *                                       | 44                      | 148,640              | *                                       | 39                      | 64,680               | 180                                     |
| <i>C. carthagena</i> ...                       | ...                     | ...                  | ...                                     | ...                     | 3                    | ...                                     | 10                      | 20,000               | *                                       | ...                     | ...                  | ...                                     |
| <i>C. hybrids and other</i> ...                | 209                     | 445,261              | 500                                     | 714                     | 1,323,080            | 4,000                                   | 582                     | 3,471,758            | 103,770                                 | 281                     | 447,380              | 71,022                                  |
| <i>C. mixed varieties</i> ...                  | 1,883                   | 4,060,600            | 185,000                                 | 116                     | 214,674              | 300                                     | 846                     | 2,350,829            | 67,388                                  | 530                     | 1,223,359            | 2,000                                   |
| TOTAL ...                                      | 3,976†                  | 8,245,722†           | 243,300                                 | 3,878†                  | 6,871,876†           | 230,792                                 | 5,774                   | 16,111,512           | 406,321                                 | 4,129†                  | 7,990,744†           | 545,613                                 |
| <i>Salem.</i>                                  |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |
| <i>C. succirubra</i> ...                       | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 23                      | 14,392               | 657                                     | 23                      | 14,392               | ...                                     |
| <i>C. officinalis</i> , var. <i>condaminia</i> | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 9½                      | 18,500               | 707                                     | *                       | 2,000                | ...                                     |
| <i>C. calisaya</i> ...                         | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | ...                     | 1                    | ...                                     | ...                     | 1                    | ...                                     |
| <i>C. pubescens</i> ...                        | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | ½                       | 870                  | 80                                      | ...                     | 870                  | *                                       |
| <i>C. hybrids and other</i> ...                | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | ...                     | 2                    | ...                                     | ...                     | 2                    | ...                                     |
| TOTAL ...                                      | *                       | *                    | *                                       | *                       | *                    | *                                       | 33                      | 33,705               | 1,453                                   | 23½                     | 17,265               | ...                                     |
| <i>Molabar.</i>                                |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |
| <i>C. succirubra</i> ...                       | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 1,147                   | 1,584,600            | 151,058                                 | 1,147                   | 1,584,600            | 151,058                                 |
| <i>C. officinalis</i> ...                      | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 2                       | *                    | 78                                      | 2                       | *                    | 78                                      |
| <i>C. " var. condaminia</i>                    | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | *                       | 5,000                | *                                       | *                       | 5,000                | *                                       |
| <i>C. calisaya</i> ...                         | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 13                      | *                    | 525                                     | 13                      | *                    | 525                                     |
| <i>C. " var. ledgeriana</i> ...                | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 1,025                   | 183,600              | 61,980                                  | 1,025                   | 183,600              | 61,980                                  |
| <i>C. pubescens</i> ...                        | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 3                       | *                    | *                                       | 3                       | *                    | *                                       |
| <i>C. hybrids and other</i> ...                | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 37                      | 5,000                | 930                                     | 37                      | 5,000                | 930                                     |
| <i>C. mixed varieties</i> ...                  | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 46                      | *                    | 1,750                                   | 46                      | *                    | 1,750                                   |
| TOTAL ...                                      | *                       | *                    | *                                       | *                       | *                    | *                                       | 2,273                   | 1,778,800            | 216,321                                 | 2,273                   | 1,778,800            | 216,321                                 |
| <i>Madura.</i>                                 |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |                         |                      |                                         |
| <i>C. succirubra</i> ...                       | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 54                      | 4,625                | 1,850                                   | 11                      | 12,186               | 1,042                                   |
| <i>C. calisaya</i> ...                         | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | 8                       | 500                  | 200                                     | 8                       | 6,012                | 504                                     |
| <i>C. " var. ledgeriana</i> ...                | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | *                       | 50                   | *                                       | ...                     | ...                  | ...                                     |
| <i>C. " other varieties</i> ...                | ...                     | ...                  | ...                                     | ...                     | ...                  | ...                                     | *                       | 500                  | *                                       | ...                     | ...                  | ...                                     |
| TOTAL ...                                      | *                       | *                    | *                                       | *                       | *                    | *                                       | 62                      | 5,675                | 2,050                                   | 19                      | 19,098               | 1,636                                   |
| GRAND TOTAL ...                                | —                       | —                    | —                                       | —                       | —                    | —                                       | 8,143                   | 17,929,752           | 626,145                                 | 8,143                   | 17,929,752           | 626,145                                 |

\* No information available.

† These totals represent only the reported figures. The Collector of the district states that the unreported area is probably quite a large.

‡ These totals represent only the figures given by the Planters. According to the ... accounts they amount to 9,588 acres and 19,176,000 plants.

§ The Collector of the district reports that these plants have been abandoned, and are dying out.

of Cicchona in private plantations on the 31<sup>st</sup> March 1879

[illegible]

(c) Planted amongst 23 acres of coffee and as avenues; those amongst the coffee have been abandoned and are dying out.

(c) Includes outturn under other species, for which outturn is not separately available.

My dear friend  
Secretary



Proceedings of the Board of Revenue

(Revenue Settlement, Land Records and Agriculture).

Dated 13<sup>th</sup> July 1889.

No. 350.

READ *Mr. Wilson*  
Endorsement from the Collector of Salem to 1146  
dated 6<sup>th</sup> June 1889 forwarding statement  
dated 31<sup>st</sup> May 1889 showing the progress made  
in the cultivation of Cinchona in private  
plantations on the Shevaroy Hills for the  
year 1888-89 from the Deputy Tahildar of  
Yercaud.

Read statement showing the Progress made in the  
cultivation of cinchona in private plantations  
in the Madurai District for the year 1888-89 from  
the Collector of Madurai to 1146 dated 9<sup>th</sup> June 1889.

Read letters from the Collector of Madurai to 1146 dated  
19<sup>th</sup> June and 2<sup>nd</sup> July 1889 to 1834 & 220 respectively  
submitting statements showing the progress made in  
Cinchona Cultivation in private plantations in  
this District for 1888-89.

Resolution

## Resolutions

The Board beg to return, duly corrected, the statement relating to Cinchona cultivation in private plantations received with G.O. dated 12<sup>th</sup> April 1889 No 2358 Ins and to submit herewith a statement showing the cultivation during 1888-89. The corrections referred to have been made with reference to information received from the Collector of Madras since the submission of the statement for 1887-88.

2. The difficulty of obtaining trustworthy information from the Planters regarding their estates has already been frequently brought to the notice of Government (Board's Proceedings dated 28<sup>th</sup> June and 25<sup>th</sup> September 1888 Nos 294 & 526 respectively). The returns now received from the Collectors are

are, like those of previous years, defective, in several respects; the figures for Salis and Madras, for instance, are the same as those returned for 1887-88 excepting as to the area under cultivation in the latter district. The figures for Malabar are incomplete; 14 out of the 26 Mysore planters not having furnished returns in compliance with the Collector's request. The Collector of Nilgiris reports that "the returns vary considerably under each description of Cinchona from the figures for 1887-88" but that no satisfactory explanation is forthcoming because the return is compiled from information furnished by planters, the accuracy of which his office has no means of checking. He adds that the return is incomplete owing to many planters not

not having furnished information  
and that its compilation might  
therefore advantageously be  
dispensed with.

3. The area under Pinchona  
in the Nilgiris District according  
to the Village accounts is stated  
to be 10,329.52 acres. The Collector  
estimates the no. of plants on this  
area at 20,659,040, taking 2000 trees  
or plants to an acre. This estimate  
was considered to be too high by  
Government (G.O. dated 22<sup>nd</sup> October 1888  
& 10/2/96) and in G.O. dated 15<sup>th</sup> December 1888  
Mr. 18/6/97 the collector was requested  
to make further enquiries on the  
point. Mr. Macfarlane now reports  
that as the system of planting varies  
in different estates the present estimate

estimate (2000 trees to an acre) may  
be adopted, until more accurate  
information is available on the  
subject. Mr. Macfarlane's letter will  
be submitted in original for the in-  
formation of Government.

( True Extract )

My signature  
Secretary.

To

The Secretary to Government  
Revenue Department  
Copy to the Collectors of Madurai  
Salem, Nilgiris and Malabar.

27/10/97 P.M.

Revenue 1889. Dept.

# Board of Revenue

(Revenue Settlement, Land Records  
and Agriculture),

MADRAS.

To *5364*

The Secretary to  
Government  
Revenue Department.

No. of Enclosures.

Proceedings, dated

No.

Subject.

Returning duly corrected  
statement showing enclosure  
cultivation in private plots  
-ations received with G.O. dated  
12<sup>th</sup> April 1889 No. 2350 Mis and  
Submitting a statement  
showing the cultivation  
during 1888-89.

P.T.C.

G.O. mis.

Ordered to be forwarded to the  
Govt. of India in continuation  
of Indorsement No. 2892 A dated  
9<sup>th</sup> May 1889.

2.

*Alas*  
*23 July*  
*Ch*  
*23/7*

Do

The Commr. R.S. & R.A. Des. *345*

Encl.

Copy to the Govt. of India, Dept. of  
Finance & Commerce (Statistics).  
Des. 8/86