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MADRAS RECORD OFFICE.

Government of Madras.

Financial DEPARTMENT.

G.O. No.	1997	Press Mis.
85-86.		85-86
Dated	11-10-	1875.

10/11

Not to be folded or roughly handled

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Proceedings of the Madras Government, Financial Department,
11*th October* **1875.**

Audit of Accounts.

No. 85. Read the following Proceedings of Government in the Revenue Department, dated 3rd July 1875, No. 1002:—

ABSTRACT.—Reviewing the report of the Botanical Gardens at Ootacamund for 1874-75 and observing that the Commissioner of the Nilgiris should have countersigned the statement of receipts and disbursements, certified to their having been duly supervised, and had the paragraphs of the report numbered before forwarding it to Government.

No. 86. ORDER THEREON, 11th October 1875, No. 1997.

It appears from the statement of receipts and charges on account of Sim's Park at Coonoor, from December 1874 to March 1875, that Rupees 5,196-7-9 were paid to the Superintendent and that he expended the whole amount.

2. Turning to the accounts rendered by the Accountant-General it is found that the amount disbursed during the year 1874-75 on account of the Park was Rupees 3,854-7-6, but from whence the difference of Rupees 1,342-0-3 was obtained is not shown. The Accountant-General will ascertain this and report it for the information of Government.

3. It does not appear from the aforesaid Proceedings that there has been any audit of the accounts of expenditure incurred. Funds seem to have been handed over by the Commissioner to the Superintendent, and he has furnished a statement showing that the money has been expended.

4. The Governor in Council is of opinion that there should be a proper strict audit, not only in respect of money expended on the Park at Coonoor, but of all money spent on the Nilgiris in connexion with the Government Gardens, Plantations, and Parks, and with this object he desires that the Accountant-General will report, in communication with the Commissioner of the Nilgiris, the forms of accounts which should be kept by those entrusted with the expenditure of money, and also on the expediency of some officer of the Account Department being deputed half-yearly for the careful scrutiny and audit of the accounts, and the submission of a report on the same to the Government in this department.

5. It would be desirable that the District Engineer, who is resident at Ootacamund, should be associated with the officer who may be appointed by the Accountant-General, in view to assisting him in forming an opinion on the prices paid and of the value of work done. On this point orders would be issued in the Public Works Department.

6. The audit of the accounts of the Lawrence Asylum might also be taken in hand by the same officer.

(True Extract.)

D. F. CARMICHAEL,
Officiating Chief Secretary.

To the Revenue Department.
,, Commissioner of the Nilgiris.
,, Accountant-General, with Proceedings No. 1002.
,, Public Works Department, with do.
,, Director of Public Instruction.

Exd. A. S. Rodgers.

Govt. of {1875} Madras.

FINANCIAL.

To

THE REVENUE DEPARTMENT.

&c.

Dated October, 11th.

Issued

Read.

G.O., 11th October 1875, No. 1997.

OCTOBER.

Nos. 85-86.

Audit of Accounts.—Orders passed relative to the audit of the expenditure on the Nilgiris in connexion with the Government Gardens, Plantations, and Parks, and also of the accounts of the Lawrence Asylum.

Proceedings of the Madras Government, Revenue Department, 3rd July 1875.

No. 39. Read the following letter from J. R. COCKERELL, Esq., Commissioner of the Nilgiris, to A. MACGREGOR, Esq., Acting Secretary to Government Revenue Department, dated Ootacamund, 3rd June 1875, No. 37:—

I HAVE the honor to submit the Annual Report of the Superintendent of the Botanical Gardens for 1874-75.

2. No remarks appear required, as I am cognizant of the work executed.

3. During the year 4 cwts. of potatoes were imported from England. They have been planted, and by the end of August will produce a crop of ten times the quantity of the seed available for distribution to native growers and others.

ENCLOSURE No. 1.

Report on the Progress and Condition of the Government Botanical Gardens, Ootacamund, for the year 1874-75.

THE most important new works undertaken and carried out during the year under report have been in the upper part of the gardens.

Many unsightly, dead, and decaying jungle-trees, masses of wattle (*Acacia Dealbata*) and Brugmansia that covered the slopes immediately under the Superintendent's bungalow have been removed, and will be replaced by a selection of handsome trees and masses of flowering shrubs. The removing of roots, Acacia suckers, and trenching of the ground, is now being rapidly pushed forward, and will be completed before the rains. When these steep banks have been sloped, grassed, and planted, this part of the gardens will wear a very different and improved appearance from what it has hitherto presented.

The hill-side (about ten acres), forming the northern boundary of the gardens, which was cleared, roaded, and partially planted, some twelve years ago, but was again allowed to run to jungle, has been cleared of scrub and partly pitted, and will be planted this season with specimens of the most valuable varieties of Eucalypti, Conifers, and other large-growing trees. The planting of specimens in this part of the gardens will be continuous, and will not fail to result, in the course of a few years, in a really good collection, which it will be my aim to have systematically arranged. Irrespective of the interest which such a collection of trees will naturally excite, the ground taken up by them will be an important extension of the gardens for the recreation of visitors.

The grassing and planting of the slope on the eastern boundary of the lower garden, alluded to in my last report, have been completed, wonderfully improving the appearance of this part of the garden, by giving greater apparent extent and breadth of lawn. I regret to add that several of the valuable young trees planted here were killed by the unusually severe frosts of last season. They will be replaced during the rains by larger specimens of hardier varieties of plants.

Preparations have been made, and work begun to effect a further improvement at the termination of the before-named slope by the construction of a large fernery in a shady, moist corner facing the rosary. This corner has hitherto been occupied by a mass of under-growth and weeds which has been removed. I purpose laying out the ground with walks and rock-work amongst which will be arranged a complete collection of all the hardy varieties of Nilgiri ferns which, I have no doubt, will prove highly attractive and interesting to visitors. I have found it very desirable that there should be an out-door fernery, as the present fern-house is much too small to accommodate our rapidly-increasing collection of these plants.

The lawns of the lower garden were twice top-dressed last year with rich vegetable soil taken from the bed of a tank. This has helped very much to improve the sole of the turf, as the natural soil is poor and exhausted. It is only by frequent top-dressings that a good lawn

can be maintained in this part of the garden, as the roots of the turf is annually destroyed by the grubs of the Cockchafer Beetle.

A large rustic arbour has been erected in a shady nook, midway between the fountain terrace and picnic-ground. This arbour is capable of seating sixteen people and giving shelter to many more, being picturesquely situated and commanding an excellent view of the lower garden. This arbour, I venture to think, is no slight addition to the convenience and comfort of the public.

During the present year the tanks in the gardens will be thoroughly cleansed of confervæ and weeds, and an attempt made to introduce all the hardy varieties of Nymphæs and other showy aquatic plants, for specimens of which I have written.

Pinetum.—During the year the collection of pines, cypressus, and other coniferous trees at Stonehouse have been largely added to. The first-planted trees are making a very rapid growth. The larger specimens will be labelled this season.

The new Orchard-house—Was completed in June last. I have fully realised my expectations regarding the suitability of such structures for the cultivation of fruit-trees in this climate. The patent rolled glass (with which the roof is glazed) has proved highly conducive to the growth of plants: under it the young vines, peaches, and figs, have made a remarkably healthy and vigorous growth. Hitherto the chief obstacle to the successful cultivation of these fruits on the hills has been the inability to regulate the season of growth by giving or withholding water. Now our plants are being grown in pots and borders, watered at pleasure, and their growth so regulated as to cause the fruit to ripen at the season when it will receive the full benefit of what is so essential to its perfection,—a dry atmosphere and sunlight. I have no doubt that in a few years we will have vines, &c., bearing fruit in abundance.

Fruit-trees.—Two dozen of the best varieties of vines have been introduced. A number of the finer kinds of French pears were also grafted and sent out last season. As an experiment the quince was adopted as a stock for the more tender varieties in preference to the China pear. So far I have every reason to be satisfied with the results of my experiment. The scientific cultivation of fruit-trees in this part of the country is still in its infancy, but will doubtless be carried to a greater extent, as our practical knowledge is increased by actual experiment.

Currants.—Several varieties have been introduced during the year and distributed.

Strawberries.—The new varieties have been propagated and distributed in large numbers. They have now become so favorably known that many persons who thought that good kinds could not be grown on the hills are now cultivating them profitably. E. G. C. Brace, Esq., of Kotagherry, who is an enthusiastic grower of fruit, sends me the following account of a few plants which were sent to him:—"Without exception, the Duc de Malakoff is the finest strawberry I have seen on the hills, though I have but comparatively few plants of this sort; they have given a great deal of fruit, many of them averaging 28 to 30 to the pound. It is the only strawberry I have seen grown to any size, and the fruit for flavor is equal to any that one would get at home. I find that, unlike the other strawberries, Duc de Malakoff seldom throws out runners." The Superintendent of the Farm at Lovedale also writes: "The strawberry plants you favored me with have done well. The Duc de Malakoff has shown itself an unusually good cropper; it is grown in a bed with Fragmore Late Pine and Cockscomb. The difference between the fruiting is very marked, being fully twenty to one in favor of the Duc de Malakoff. The latter is unmistakably the best strawberry I have seen on the Hills."

Potatoes.—As directed by G. O., No. 980, of 5th August 1874, a quantity of the most approved and popular kinds of potatoes were introduced this season. A few sets of each kind have already been given to persons interested in the improvement of that tuber on these hills; the others are planted in the garden nurseries, and will be available for distribution in August next. The following are the new kinds now under cultivation in our nurseries:—

Hundredfold Fluke.—Those who have grown it in England for several years speak of it as a very superior kidney-potato. It has withstood the disease in districts where other varieties

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have been entirely destroyed. It is an excellent cropper, and when cooked is mealy and good flavored.

Red Skin Flour-ball.—Described as the most productive and best-flavored potato in cultivation when grown in light, loamy soil.

Royal Ash-leaf Kidney.—Very productive; an excellent early potato.

Sutton's King of Potatoes.—A good-flavored, heavycropping potato which keeps well.

Early Giant King.—A very early variety, highly recommended.

Graffle Castle.—Very prolific, good-flavored, and succeeds in almost any soil.

York Regent.—An old and popular variety of good quality.

These potatoes, I have reason to believe when they become known, will be much sought after by European and Native cultivators, and will in time doubtless take the place of the old and worthless varieties now to be met with. The seedling potatoes noticed in last year's report have turned out remarkably well. Four distinct varieties and about 20 lbs. of tubers have been raised; these have been again planted, and, if they prove to be superior kinds, will be distributed in August next.

The interchange of living plants and seeds with other Botanic Gardens has been largely extended. During the past year 371 fruit-trees, 1,815 ornamental trees, 7,416 shrubs and flowering plants, and 4,642 packets of seeds, have been sent out. The receipts have been 690 living plants and 123 packets of seeds. The most noteworthy being—

New Coffee.—To the Hon. J. D. Sim, C.S.I., we are indebted for twenty-five healthy plants of a new variety of coffee from the West Coast of Africa, which he presented to the gardens in September last. The introduction of this coffee has of late excited a great deal of interest and speculation amongst planters. It is generally believed to be vastly superior to the *C. Arabica*, being more prolific and producing fruit of a larger size; but whether such is really the case remains to be proved. The plants have been distributed as follows:—Six were sent to the Planters' Association, South-East Wynaad; two to an estate at Hoolicul on the lower slopes of the Nilgiris; one to Manantoddy in North Wynaad; one to Munzerabad in Coorg; two to the Government Gardens at Burliar; nine to the Nursery Garden at Kalhutty; two were planted in the Orchard-house in the Ootacamund Gardens; and two plants were put out by Mr. Sim in a garden in Coonoor. The reports received from Wynaad regarding the growth of the coffee is most encouraging. A. B. Burnett, Esq., of Calicut, very kindly obtained and sent me a report on the plants sent to the Wynaad Planters' Association. E. S. S. Thompson, Esq., Velleramulla Estate, "reports that his plant has thriven uncommonly well; it is strong and healthy, and has thrown out several new leaves luxuriant and large in size. The plant has not grown much in height, but this I do not expect until the monsoon rains commence. As far as I can judge coffee of this species will thrive admirably in the Wynaad; and I think is likely to be of even stronger and more vigorous growth than the *C. Arabica*." The parties to whom the plants were sent in Munzerabad, Manantoddy, and Hoolicul, have sent me similar reports of the satisfactory growth their plants are making. The two plants put out in the gardens at Burliar have made a luxuriant and healthy growth, and seem to be quite at home in the climate of that place. Those in the Kalhutty garden, after having been there for two months, looked sickly and unhealthy; so they were taken up and transferred to the Burliar Garden where they are now doing well. The two plants at Coonoor died, but whether from neglect or cold I cannot say. It has not yet been ascertained at what elevation this new coffee will succeed best; but from the facts of its not thriving at Coonoor and Kalhutty, and growing so freely at Burliar, I conclude it is not so hardy as the *C. Arabica*, and will not succeed so well at the higher elevations as that variety. The plants under glass in the Ootacamund Gardens have produced six healthy cuttings which will be forwarded to Travancore early this season.

Rhuem officinale (Medicinal Rhubarb) from Western China.—A healthy plant of this familiar and important drug has been raised from seed received from Kew. This is, I believe, the first plant of the true variety raised in India. It will be increased by propagation as rapidly as possible.

Araucaria Bidwillii (Bunya-Bunya Pine).—Upwards of 200 plants of this magnificent conifer have been raised from seeds forwarded by the Superintendent, Agri-Horticultural Gardens, Madras, from the Queensland Acclimatisation Society.

Orchids.—Special attention has been paid to the improvement of the collection of these interesting plants. Upwards of 50 species, principally from Sikkim, Kassia Hills, Burmah, Travancore, and the Western slopes of the Nilgiris, have been added during the past year. They have been planted in baskets or fixed to blocks of wood and placed in the new Orchard-house, where they are making a most satisfactory growth.

Bulbs and Succulents.—The collection of bulbous and succulent plants have been largely augmented, both by purchase and contributions. A suitable piece of ground in the lower garden will this year be planted entirely with a collection of succulent plants, so as to readily exhibit the different species and varieties.

Camellias.—The new varieties introduced last year have made a healthy growth and will be increased this season by grafting.

Begonias.—Two elegant varieties of the tuberous-rooted section, *Begonia Sedani* and *Begonia Beloviensis*, have been introduced.

Roses.—Upwards of one hundred of the finest sorts have been budded and planted in different parts of the garden.

Indigenous Seeds.—Several pounds of Dodonæa, Rhodomyrtus, and other indigenous seeds were collected and forwarded to the Superintendent of the Botanic Gardens, Calcutta, and to several persons resident in the hill-stations of Northern India.

Fodder-plants.—Several of the finer kinds of fodder-grasses and clovers have been introduced and recently distributed, with a view to encouraging the cultivation of a superior class of hay and green fodder on these hills.

A number of ornamental trees and shrubs were supplied gratis to the cemeteries of Ootacamund and Coonoor; likewise to the Ootacamund Municipality for planting in the station.

Digitalis Leaves and Berberis Bark.—100 lbs. of Berberis cortex and 20 lbs. of dried Digitalis leaves indented for were supplied to the Medical Store-keeper, Madras.

Coonoor Gardens.—The new branch garden at Coonoor consists of the land formerly known as Hannington's tope, and is situated at the north corner of the "Figure-of-Eight." The garden has an area of about 30 acres, and was commenced in 1874 under the direction of the Hon. J. D. Sim, C.S.I. The roads were traced by Colonel Farewell, and the pitting and fencing of the land were superintended by Major Murray, then Acting Superintendent of Nilgiri Forests, from whom I took over charge in December 1874. Since that date I have visited the garden weekly. The garden is formed by the slopes of two hills which are united by a belt of forest forming a very pretty ravine or glen. The southern slope is partially covered with forest and scrub; the other was grass-land with a few jungle-trees.

The operations during the year have been confined chiefly to the widening of roads, trenching, laying out, and planting of that portion of the garden adjoining the public roads. I will here give a brief enumeration of the most important works carried out during the year.

2,034 running yards of road have been widened from 5 to 8 feet and gravelled; bridges and drains have been constructed where necessary. Five acres of land have been trenched, the surface levelled and planted with English grass; other three and a-half acres have been weeded and trenched and prepared for planting with grass; two acres have been cleared of scrub and undergrowth.

A new entrance has been made, and a terrace, 138×72 feet, formed and laid down in English grass with flower-beds and gravel-paths. The principal walks leading to the arbours, swings, &c., start from this terrace. Lower down the slope another terrace, 300×60 feet, has been made in the form of a crescent by excavating the face of the hill. This terrace is laid out in a different style from the other, the flower-beds and paths being edged with box instead of turf. A border, 8 feet wide, extends the entire length of the terrace, and is planted with standard roses and other showy flowering plants. The face of the excavation is covered with ivy and

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a variety of creepers. Near the centre of the terrace a substantial rustic arbour has been erected, which will be a great convenience to visitors either as a shelter from rain or screen from the sun.

Near the bottom of the glen, in sheltered spots, a Badminton Ground, 84×51 feet, and a Croquet Ground, 75×42 feet, have been formed. Spaces have also been levelled, upon which swings are erected.

Three rustic arbours have been built: one (already mentioned) on the terrace; the other two adjacent to the Badminton and Croquet Grounds and Swings. Six wrought iron and twenty rustic seats have been placed on the terraces and paths in convenient and sheltered situations. A small tank has been constructed near the centre of the garden and planted with water-lilies and other aquatic plants.

During the year upwards of 1,000 ornamental trees and shrubs were planted out, comprising Spanish chesnut, walnuts, oaks, cupressus, pines, Eucalypti, &c. These are all established and growing more or less vigorously. About 5,000 flowering plants of different kinds have been planted on the terraces and in beds on the lawns; amongst them several large specimen Camellias.

30,000 bricks have been made and a space levelled in a secluded part of the garden, where I propose to erect lines to accommodate the overseer and coolies employed. At present there are no houses in the garden for them, and much of their time is wasted in going to and from Coonoor for their meals.

This garden will be most useful as a branch of the Ootacamund garden by affording greater scope for the cultivation and acclimatisation of those rare exotic trees and shrubs which will not succeed in the colder and more moist climate of Ootacamund. I would propose that a part of this garden should be devoted exclusively to the cultivation of certain families of plants indigenous to the Nilgiris. These should be arranged and labelled according to their natural orders in such a manner as to allow of easy and ready inspection by the public.

The space at command is too limited for a collection of forest trees. Shrubs and herbaceous plants could be fairly well represented. The swampy ground at the bottom of the garden would be an excellent place in which to grow our Nilgiri Melastomads, Balsams, Droseras, and terrestrial orchids, whilst the forest would afford a natural home for the greater portion of the pretty Nilgiri ferns and other shade-loving plants.

The garden has met with much public approbation; it is already a favorite resort of residents and visitors to Coonoor. When the trees and shrubs have grown up and the different slopes are planted with English grass, I feel convinced that this garden will have no equal in India in point of beauty.

The formation and laying out of the garden have made rapid progress during the past year, the planting of trees and shrubs, grassing of lawns, gravelling of walks, &c., are being rapidly pushed forward with a view to a speedy completion of the whole.

Burliar Garden.—The Ipecacuanha cultivation may now be considered as fairly established at Burliar. The plants are in a healthy and flourishing condition, but for want of a suitable propagating house and a skilled person to attend to their propagation, they have not been increased so rapidly as I should have wished. As it is very important that this valuable plant should be increased as rapidly as possible, with the permission of Government, I propose to erect early next month a temporary propagating-house, and send a trained gardener to live at Burliar, and employ every means to multiply the plants as fast as possible. The system of root-propagation will be adopted, and I have no doubt that by the autumn of the year there will be several thousands of plants established at Burliar. As the experiment proceeds, it will be necessary to put a responsible person in special charge of these plants.

During the year the mangosteen, clove, nutmeg, cocao, and other tropical fruits cultivated at Burliar, were extensively propagated. The demand for plants and seeds of these tropical

fruits has increased so rapidly that, in several instances, we were unable to supply the demand. Hitherto the produce of this garden has been leased by the year to a contractor, but this year the whole of the fruit produced will be retained and sown in the nurseries, so that plants may be raised in sufficient quantities to meet the demands of planters and others.

KALHUTTY GARDEN.—This garden has been thoroughly overhauled and extended. New nurseries have been made, which will be devoted this season to the raising of flower and vegetable seeds. Seeds of good quality can be raised in this garden in any quantity, and will cost less than half what it does to import them. These acclimatised seeds also succeed better on the plains than those imported.

Buildings.—The roof of the conservatory which was very leaky has been repaired and reglazed. The entire building will be painted and made water-tight before the monsoon. The propagating house in the upper nurseries has been reglazed, white-washed, and put in thorough repair.

The old propagating house and tool-store that stood near the centre of the garden has been pulled down. An excavation has been commenced for the foundation of the new greenhouse, sanctioned in G. O., No. 130, dated 23rd January 1875, which will be erected as early as possible. The glass has been ordered from England, and may be expected shortly. A substantial cattle-shed has been built near the cooly-lines in the upper nurseries.

Herbarium.—No addition of importance has been made to the Herbarium collection during the year.

Library.—A complete copy of Dr. Wight's valuable work, "Icones Plantarum Indicæ Orientalis," was presented by the Hon. J. D. Sim, C.S.I.; a Report on the production of Tobacco in India, by J. E. O'Connor; and Selections from the Records of Government, North-West Provinces, have been received from Government.

Contributions received.—The principal contributors to the gardens have been Hage and Schmidt, Prussia, a valuable collection of flower-seeds; A. Friend, Esq., three dozen walnut plants raised from nuts grown on the Nilgiris; Hon. J. D. Sim, tree and shrub seeds from Queensland; also a large collection of plants for the Coonoor Garden; W. Kirby, Esq., pine seeds; E. G. C. Brace, Esq., cucumber and flower-seeds; W. Davison, Esq., Burmese orchids; Gardens, Calcutta, seeds from Sikkim and a large collection of orchids from the Kassia Hills; Superintendent, Horticultural Gardens, Madras, Araucaria seeds, plants, and ferns; Superintendent, Botanical Gardens, Gunesh Khind, a collection of succulent plants.

Assistants.—M. Ramanjulu Naidu, Writer; Mr. McDonald, Overseer; and Mr. Burrows, Propagator, deserve commendations for the assistance they have given me in carrying out the work entrusted to them in their respective departments.

(Signed) A. JAMIESON,
Superintendent, Government Botanical Garden.

Dr. STATEMENT of Receipts and Charges of the Government Botanical Gardens on the Nilgiris during the official year 1874-75. Cr.

Receipts.	Amount.	Total.
	Rs. A. P.	Rs. A. P.
Amount realised by the sale of plants and seeds ...	2,334 10 10	
Rent of Burliar Gardens	120 0 0	
Do. of Stonehouse ground	11 11 0	
Received on account of Superintendent and Establishments salary, &c., (Net)	4,992 8 0	
		7,458 13 10
Received from Commissioner amount sanctioned in G. O., No. 874, of 5th July 1872	500 0 0	
		500 0 0
Received from Commissioner amount sanctioned in G. O., No. 130, of 23rd January 1875, (in part)	500 0 0	
		500 0 0
Received from Commissioner on account of Peons' clothing	30 0 0	
		30 0 0
Received from Commissioner on account of the improvements of the Kalhutty Gardens ...	673 2 10	
		673 2 10
Received from Commissioner on account of Contingencies	1,430 0 0	
		1,430 0 0
Total ...	.....	10,592 0 8

Charges.	Amount.	To al.
	Rs. A. P.	Rs. A. P.
Pay of Superintendent and allowance	2,952 8 0	
Do. of Office Establishment	1,032 0 0	
Working charges of Ootacamund Gardens	2,435 2 2	
		6,419 10 2
Purchase of seeds and plants	657 8 3	
		657 8 3
Amount spent in breaking old propagating-house, walls, purchase of brick, and chunam...	500 0 0	
		500 0 0
Paid for Peons' clothing	44 0 0	
		44 0 0
Amount spent on the improvement of the Kalhutty Gardens	673 2 10	
		673 2 10
Paid for erecting fence between gardens and Lushington Hall	175 0 0	
Do. for turning tiles, glazing, and white-washing propagating-house... ...	90 0 0	
Do. for the purchase of a bandy and a pair of bullocks	150 0 0	
Do. for building a bullock-shed	100 0 0	
Do. for the feed of bullocks for one year	84 0 0	
Do for cleaning walks and weeding Arboretum above gardens	127 0 0	
Do. for remodelling slopes and walks under Superintendent's house, forming fernery, and erecting fountain	456 0 0	
Paid for the purchase of tools	50 0 0	
Do. for repainting and glazing conservatory	204 0 0	
		1,430 0 0
Purchase of watering cans	49 8 0	
Do. of flower-pots	45 0 0	
Do. of Gardener's Chronicle	20 8 0	
Paid for engraving badge on two Peons' belts	12 9 0	
Do. postage on barghies and letters	31 2 4	
Do. Carpenters worked in the gardens	198 6 0	
Do. Brick-layers worked in the gardens	127 14 0	
Do. carriage of plants	242 10 7	
Do. packing of plants	71 10 0	
Do. repair of tools	11 8 0	
Do. Exchange on cheques, &c.	10 4 6	
Do. sundries	47 4 0	
		867 11 5
Total...	.....	10,592 0 8

OOTACAMUND,
22nd April 1875.

(Signed) A. JAMIESON,
Supt., Govt. Botanical Gardens.

METEOROLOGICAL Observations from April 1874 to March 1875, made on the Government Botanical Gardens, Ootacamund.

Months.	Monthly Mean of Dry Bulb.				Monthly Mean of Wet Bulb.				Maximum observed during the Month.	Rain-fall.		Days with Rain.	Days without Rain.
	7 A.M.	2 P.M.	5 P.M.	Daily.	7 A.M.	2 P.M.	5 P.M.	Daily.		Inches.	Cents.		
April 1874...	61·01	72·10	60·02	64·05	51·16	58·06	54 06	54·11	74·08	2	05	6	24
May „	58·11	69·13	58·28	62·11	53·15	57·13	55·23	56·05	67·05	10	65	17	14
June „	56·02	55·25	56·11	58·21	54·23	59·17	55·11	56·16	64·28	7	54	21	9
July „	55·01	61·21	54·03	56·18	53·08	58·20	53·16	54·00	64·15	5	86	21	10
August „	55·05	63·11	56 09	57·30	54·12	57·29	55·04	55·17	65·19	3	63	19	12
September „	56·02	63·27	57·15	60·19	54·14	59·11	54·27	56·01	74·06	7	80	15	15
October „	56·04	66·14	58·02	59·09	55·20	59·23	55·02	56·22	67·09	10	83	19	12
November „	57·11	70·23	61 03	62·23	56·02	59·03	60·13	58·06	72·07	1	81	8	22
December „	61·17	70·12	58·11	63·05	56·01	60·24	56·26	57·18	72·09	...	84	3	28
January 1875...	57·20	70·06	57·25	61·19	55·13	60·30	55·16	56·29	72·02	...	15	2	29
February „	61·16	74·19	58·21	64·15	57·21	57·18	56·24	57·06	77·15	...	...	...	28
March „	58·00	72·15	58·16	62·19	57·10	59·13	56 29	57·18	74·03	...	49	2	29
Annual Mean ...	57·66	67·24	57·70	60·82	54·71	58·67	55·49	56·12	70·27	51	65	133	232
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	...	...

OOTACAMUND,
22nd April 1875.

(Signed) A. JAMIESON,
Supt., Govt. Botanical Gardens.

Proceedings of the Madras Government, Revenue Department, 3rd July 1875.

RETURN of Seeds and Plants distributed from the Government Botanical Gardens, Ootacamund, for the year 1874-75.

Months.	Fruit-trees.	Ornamental Trees.	Shrubs and Flowering Plants.	Packets of Seeds.	Value.
					RS. A. P.
April .. 1874	19	....	160	471	119 10 6
May .. „	24	26	216	467	246 10 0
June .. „	24	45	607	685	267 6 0
July .. „	16	54	467	726	297 5 3
August „	72	170	385	539	281 4 6
September „	78	104	320	292	222 0 0
October „	138	120	1,930	481	599 12 10
November „	....	80	983	295	119 2 6
December „	....	204	881	53	145 0 11
January 1875	....	508	623	51	47 8 0
February „	....	504	814	63	31 14 0
March .. „	....	....	30	519	160 1 3
Total ..	371	1,815	7,416	4,642	2,537 11 9

OOTACAMUND,
22nd April 1875.

(Signed) A. JAMIESON,
Supt., Govt. Botanical Gardens.

STATEMENT of Receipts and Charges of Sim's Park on the Nilgiris from December 1874 to March 1875.

Dr. *Cr.*

Receipts.	Amount.	Total.	Charges.	Amount.	Total.
	RS. A. P.	RS. A. P.		RS. A. P.	RS. A. P.
Amount received from Captain Murray ...	10 4 6	10 4 6	Allowance of Superintendent	540 0 0	
			Working charges of the Sim's Park ...	2,669 15 2	3,209 15 2
Amount received from the Commissioner on account of the charges.	5,186 3 3	5,186 3 3	Paid for fencing the Park	700 0 0	
			Paid for the construction and carriage of swings	365 5 1	
			Paid for erecting arbours	190 0 0	
			Paid for erecting Badminton Poles ...	36 11 0	
			Paid for the purchase of garden seats ...	130 6 1	1,422 6 2
			Paid for nails, screws, and tar, &c.	92 0 10	
			Paid for baskets ...	15 8 0	
			Paid for the purchase of tools	50 13 4	
			Paid for the purchase of tea and flower plants	34 0 0	
			Paid for the purchase of watering cans ...	12 0 0	
			Paid for the repair of tools	10 4	
			Paid for the carriage of grass to Coonoor..	70 0	
			Paid for the carriage of plants to Coonoor.	44 5 3	
			Paid for bricklayers worked in the Park.	27 0 0	
			Paid for carpenters worked in the Park..	172 3 0	
			Paid for sundries ...	36 0 0	564 2 5
Total ...	.....	5,196 7 9	Total ...	....	5,196 7 9

OOTACAMUND,
22*nd April* 1875.

(Signed) A. JAMIESON,
Supt., Govt. Botanical Gardens.

No. 40. ORDER THEREON, 3rd July 1875, No. 1,002.

Miscellaneous.

HIS EXCELLENCY the Governor in Council considers that satisfactory progress has been made with the improvements in the Ootacamund Garden and with the laying out of that at Coonoor, which should, in future, be styled Sim's Park.

Proceedings of the Madras Government, Revenue Department,
3rd July 1875.

2. The cultivation, under glass, of the more delicate European fruits is interesting as an experiment; but His Excellency looks chiefly to seeing the gardens made as generally useful as possible. The introduction of fresh and useful kinds of potatoes is a step in the right direction. Specimens of these should be gratuitously distributed as widely as possible among the more intelligent cultivators, native as well as European, and the necessity of using clean, well-manured land should be impressed upon all. The failure of the potato crop is more than a mere local misfortune, and it would be well if the Superintendent were to draw up some plain, practical hints to cultivators for publication in the District Gazette. The introduction of Australian varieties should not be lost sight of.

3. All the information, which the Superintendent is able to collect regarding the new kind of coffee from the West Coast of Africa, is likely to be useful. The plants in the Burliar Garden should be carefully watched, and their rate of growth and other particulars recorded from time to time. A further account of those given away to private parties should also be obtained.

4. His Excellency is glad to notice that the Superintendent has been able to comply with certain requisitions of the Medical Store-keeper, and hopes that the expectations formed as to the Ipecacuanha plants in the Burliar Gardens may be early realised. In G. O., 28th May 1875, No. 841, a temporary establishment has been sanctioned for employment in these gardens.

5. It is observed that nothing is said regarding any further attempts to introduce the cochineal insect at Kalhutty. It is hoped that the experiment has not been abandoned.

6. His Excellency notices, with approval, that it is intended to plant portions of the gardens systematically with specimens of exotic and indigenous trees and shrubs. These should all be labelled as proposed, and labels should be affixed much more generally throughout the gardens, so that the public may readily obtain that information which the Superintendent has not the leisure, nor the gardeners the knowledge, to afford. It would be well that the Commissioner should consult the Inspector of Forests in view to systematising the botanical arrangement.

7. The Commissioner should have countersigned the statement of receipts and disbursements, and certified to their having been duly supervised. He should also have called upon the Superintendent to number the paragraphs of his report before forwarding it to Government.

(True Extract.)

Acting Secretary to Government.

To the Commissioner of the Nilgiris.
„ the Officiating Inspector of Forests.
„ the Board of Revenue.
„ the Honorary Secretary, Agri-Horticultural Society.
„ the Financial Department.

Exd. F. R. Bantleman.

Subsidiary

8

Financial Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

READ the following ~~letter~~ Proc. of Govt., Revenue Department, dy 3rd July 1875. No. 1002.

Order thereon. Ordered 11 Oct. 1875. No. 1997

It appears from the statement of Receipts and Charges on account of Sim's Park at Coonoor, from December 1874 to March 1875, that Rs 5,196-7-9 were paid to the Superintendence and that he expended the whole amount.

2. Turning to the Accounts rendered by the Accountant General it is found that the amount disbursed during the year 1874-75 on account of

This memo Department

Govt. of 1875 Nov

REVENUE.

THE COMMISSIONER OF THE NILGIRIS, &c., &c.

50 No. 1997

Dated July 3rd.

Rend. Proceedings of Govt. Revenue Department, dated 3rd July 1875. No. 1002.

G.O., 3rd July 1875, No. 1,002.

JULY.

Nos. 39-40.

Botanical Gardens at Ootacamund.—Reviewing the report of the— for 1874-75, and observing that the Commissioner of the Nilgiris should have countersigned the statement of receipts and disbursements, certified their having been duly perused, and had the paragraphs of the report numbered before forwarding it to Government.

of the Parks was Rs 3854-7-6, but from whence the difference of Rs 1342-0-3 was obtained is not shown. The Accountant General will ascertain this and report it for the information of Govt.

3. It does not appear from the aforesaid Proceedings that there has been any audit of the accounts of expenditure incurred. Funds seem to have been handed over by the Commissioner to the Superintendent, and he has furnished a statement showing that the money has been expended.

4. The Governor in Council is of opinion that there should be a proper check in respect audit, not only of money expended on the Park at Coonoor, but of all money spent on the Nilgiris in connexion with the Govt. gardens, plantations, and parks, and with this object he desires that the Accountant Genl. will report, in communication with the Commissioner of the Nilgiris the forms of accounts which should be kept by those entrusted with the expenditure of money, and also on the expediency of some officer of the Account Department being deputed half yearly for the careful scrutiny and audit of the accounts, and the submission of a report on the same to the Govt. in this Dept.t.

5. It would be desirable that the District Engineer, who is resident at Ootacamund, should be associated with the officer who may be appointed by the Accountant Genl., in order to assisting him in forming an opinion on the prices paid for articles and of the value of work done. On this point Orders will be issued in the Public Works Department.

6. The audit of the accounts of the Lawrence Asylum will also be taken in hand by the same officers.

To
The Revr Dept. 11
Accts General 6
Comr. of the Nilgiris 6
Public Works Dept. 11
Director of Public Instructions 7

Dept. 19/10

24.10.11
14-2342

Govt. of {1875} Madras.

Genl

To

Dated.. 11th } October 1875; No.
Recd. 1997.

Nos. 85 86

Audit of Accounts.

Orders passed relative to the audit of the expenditure on the Nilgiris in connexion with the Govt. Gardens, Plantations and Parks and also of the accounts of the Lawrence Asylum.

Cir 1