M.R.O. 1—77,006—8-6-37.

(1) Number of pages 22

(2) Date of repair 15-6-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 952 Press / Mis.

Dated 5-9-1873.

Not to be folded or roughly handled

No. 39. Read the following letter from J. R. COCKERELL, Esq., Commissioner of the Nilgiris, to the Hon. R. A. DALYELL, Acting Secretary to Government, Revenue Department, dated Ootacamund, 12th August 1873, No. 35:—

In a letter to Government in G. O., Revenue Department, 22nd April 1873, No. 427, I requested approval to a proposal of Mr. McIvor to collect 50,000 lbs. of Cinchona bark to send to England for sale in addition to 25,000 lbs. already ordered to be collected.

2. I annex a letter from Mr. McIvor, announcing the despatch to Madras of 23,000 lbs. of bark out of the 25,000 lbs.

3. With regard to the additional 50,000 lbs. of bark, my letter was referred to by Government to the Collector of Sea Customs for a report on the rate of freight for bark. No instructions have been issued to me to have the 50,000 lbs. collected or otherwise. I have the honour to request instructions. The bark can be harvested in October. It cannot be taken earlier owing to the monsoon.

4. I should observe that contrary to Mr. Broughton's statement in paragraph 40 of his report in G. O., 28th May 1873, No. 549, Revenue Department, that "nearly the whole of the plantations have now been mossed, so that, unless the application be stopped, there will soon be no trees of an age on which so necessary a plan as coppicing can be fairly tried," there are in the Government plantations about 6,000 red bark trees of 11 years old and 18,000 crown bark trees of 10 years of age *unmossed*.

5. If an additional 50,000 lbs. of bark are to be taken this year, these 24,000 trees will have to be stripped and mossed. In this event, the order of Government, No. 716, dated 10th July 1873, Revenue Department, stating that no more trees are to be mossed until the merits of coppicing have been ascertained, will *ipso facto* become modified.

6. I would venture to suggest an express modification of the order. A coppicing experiment sufficiently extensive to satisfy Mr. Broughton is now being conducted, and this experiment or any other similar experiment will take years to complete. In the meanwhile, the unmossed trees on the plantations, if left untouched, will yield no revenue, and a serious consequence will occur besides. The bark on these trees will go on deteriorating; for Mr. Broughton, in paragraph 38 of his mossing report mentioned above, makes a remark indicating that, in his opinion,—an opinion in which the information I have at my disposal leads me to coincide,—the value of bark depends on the age of the bark, and not on the age of the tree, and the bark must not be beyond a limited age of a few years. He writes, speaking of certain trees, "at the present time, I have some reason to fear that the bark of the eldest trees has arrived at, if not passed, the maximum yield." I would suggest that Mr. McIvor should be at liberty to moss until the superiority of the mossing process is established. Nothing will be lost by this arrangement, because mossed trees like unmossed trees are capable of being felled by the axe and coppiced at any time desired.

7. In connection with the preparation of bark for shipment, I would suggest to Government the expediency of according a discretion to the Commissioner to

collect bark as it becomes available, and to make arrangements for shipping it; reporting, from time to time, to Government the quantity collected and the quantity shipped, with the necessary details. In consequence of the delay in the issue of orders respecting the 50,000 lbs. of bark in question at the present moment, a favourable season for taking the bark has passed, and some months must elapse before the bark can be gathered.

ENCLOSURE No. 1.

From W. G. McIVOR, Esq., Superintendent of the Government Cinchona Plantations, to J. R. COCKERELL, Esq., Commissioner of the Nilgiris, dated Ootacamund, 31st July 1873, No. 41.

WITH reference to the Proceedings of Government, Revenue Department, Nos. 1,433 and 541, dated 16th October 1872 and 28th May 1873, respectively, I have the honour to inform you that I despatched between the 18th and 28th instant the whole of the cases of Cinchona bark, 139 in number, to the Collector of Sea Customs, Madras, to be shipped to the Secretary of State for India.

2. The Invoice is enclosed. By it you will observe that eleven cases, Nos. 51 to 61, inclusive, of branch red bark has been forwarded, and thirteen cases, Nos. 127 to 139 inclusive, of branch crown bark; Nos. 127 to 139 being bark rejected by Mr. Broughton as valueless for his manufactory. Mr. Broughton's process differs in some degree to that employed at home, and this bark may consequently prove of fair value in the home market, and, under any circumstance, it appears desirable to ascertain the price Nilgiri branch bark is likely to command in the home markets, and with this object these cases have been forwarded.

CINCHONA BARK FROM THE GOVERNMENT CINCHONA PLANTATIONS ON THE NILGIRIS.

Invoice No. 1 *of* 1873, *consisting of One hundred and Thirty-nine cases of Cinchona Bark, containing in the aggregate lbs.* 23,646.

Mark.	Number.	Tare.	Net.	Total.	Remarks.
		lbs.	lbs.	lbs.	
G. C. P.	1	71	155½	226½	Mossed red bark, Neddivuttum.
	2	75	159	234	
	3	75	159	234	
	4	78	173	251	
	5	75	177½	252½	
	6	75	173	248	
	7	71	163	234	
	8	75	175	250	
	9	80	176½	256½	
	10	75	176½	251½	
	11	76	174	250	
	12	73	184	257	
	13	71	156	227	
	14	108	154½	262½	
	15	104	162	266	
	16	102	162	264	
	17	88	161	249	
	18	96	170½	266½	
	19	88	166	254	

Mark.	Number.	Tare.	Net.	Total.	Remarks.
		lbs.	lbs.	lbs.	
G. C. P.	20	86	354	440	Renewed red bark, Neddivuttum.
	21	87	317	404	
	22	84	166½	250½	
	23	88	150½	238½	
	24	46½	238	284½	
	25	101	167½	268½	Grey bark, Neddivuttum.
	26	86	170½	256½	
	27	79	165	244	Do., Pykara.
	28	79	319	398	
	29	94	196	290	Red bark, Neddivuttum.
	30	109	187	296	
	31	99	182	281	
	32	105	183	288	
	33	105	151	256	
	34	102	138	240	
	35	106	145½	251½	
	36	103	146	249	
	37	74	164	238	
	38	69	222	291	
	39	45½	127½	173	
	40	50	182	232	
	41	57	125	182	Red bark, Pykara.
	42	42	138	180	
	43	59	156	215	
	44	48	126½	174½	
	45	120	330	450	
	46	73	236	309	
	47	58	238	296	
	48	67	189	256	
	49	70½	181	251½	
	50	76	200	276	
	51	100	131	231	Branch red bark, Neddivuttum.
	52	102	157	259	
	53	82	149	231	
	54	63	161½	224½	
	55	75½	200½	276	
	56	59½	132½	192	
	57	63	178½	241½	Branch red bark, Pykara.
	58	53	162½	215½	
	59	57	124½	181½	
	60	66½	194	260½	
	61	50	174	224	
	62	52	119	171	Stem crown bark, Neddivuttum.
	63	75	264½	339½	
	64	40	132	172	
	65	44	108½	152½	
	66	72	170	242	Crown bark, Neddivuttum.
	67	97	199	296	
	68	98	189½	287½	
	69	84	165	249	
	70	100	172	272	
	71	105	168	273	
	72	79	160	239	
	73	96	136½	232½	
	74	79	167	246	
	75	94½	147½	242	
	76	103	134	237	
	77	99	152	251	
	78	99	147	246	
	79	93½	137½	231	
	80	99	160	259	
	81	107	148	255	

Mark.	Number.	Tare.	Net.	Total.	Remarks.
		lbs.	lbs.	lbs.	
G. C. P.	82	102	143	245	
	83	92	148	240	
	84	104	138	242	
	85	83	151½	234½	
	86	105	167	272	
	87	96	160	256	
	88	80	148	228	
	89	89	153	242	
	90	93	147	240	
	91	86	152	238	Crown bark, Neddivuttum.
	92	102	158	260	
	93	102	156½	258½	
	94	101	141	242	
	95	83	172	255	
	96	105	155½	260½	
	97	115	159	238	
	98	106	152	258	
	99	106	133	239	
	100	96	135	231	
	101	107	138	245	
	102	80	156½	236½	
	103	75	148½	223½	
	104	77	145	222	
	105	74	149	223	
	106	75	142½	217½	
	107	39	100	139	Crown bark, Pykara.
	108	77	161	238	
	109	51	131½	182½	
	110	61	186	247	
	111	70	210	280	
	112	72	218	290	
	113	54	153	207	
	114	55	159	214	
	115	81	168	249	
	116	77	175	252	Mossed crown bark, Dodabetta.
	117	80	137½	217½	
	118	95	144	239	
	119	101	162½	263½	
	120	105	145½	250½	
	121	92	154	246	
	122	81	174	255	Crown bark, Dodabetta.
	123	85	173½	258½	
	124	86	160	246	
	125	91	193	284	
	126	91	150½	241½	
	127	85	130	215	
	128	77	146	223	
	129	72	200	272	
	130	77	136½	213½	
	131	102	151	253	
	132	66½	266	332½	Branch crown bark, Dodabetta.
	133	70½	175½	246	
	134	84	186	270	
	135	64	118	182	
	136	86	132½	218½	
	137	100	174	274	
	138	86	143	229	Branch crown bark, Neddivuttum.
	139	84	157	241	
		11,444	23,646	35,090	

OOTACAMUND,
29th July 1873.

(Signed) W. G. McIVOR,
Supt. Govt. Cinchona Plantations.

Proceedings of the Madras Government, Revenue Department, 5th September 1873.

No. 40. ORDER THEREON, 5th September 1873, No. 95

Miscellaneous.

IT appears that, in order to carry into effect the proposal of the Commissioner that 50,000 lbs. of bark should be collected for shipment to England, it will be necessary to moss all the unmossed trees in the plantations of 11 and 10 years of age. Relying on Mr. Broughton's statement that "nearly the whole of the Cinchona plantations had been mossed," the Government, in their order, dated 29th May 1873, No. 549, directed that no further mossing of the trees should be undertaken until the superiority of the mossing over the coppicing system had been established. Under the circumstances now stated, however, they are pleased to direct that of the 24,000 trees of 11 and 10 years old, one-fourth or 6,000, situated in different parts of the plantations, shall be retained for coppicing, and that three-fourths, or 18,000, shall be mossed after being harvested. It is probable that this will restrict the projected harvest somewhat below the estimate of 50,000 lbs.; but this is not a matter of any moment. Similarly, the application of moss will not be carried out in regard to more than three-fourths of the remaining trees of the plantations; care being taken that at least one-fourth of the trees planted in each year are reserved for experimental coppicing, in case it should be hereafter determined to carry out that system further.

2. With reference to paragraph 7 of the Commissioner's letter, the Governor in Council is pleased to authorize him to use his discretion in collecting the bark for the home market and in making arrangements for its shipment to England, submitting, from time to time, reports on his proceedings as proposed.

3. A copy of Mr. McIvor's letter, with the Invoice enclosed, will be forwarded to His Grace the Secretary of State.

(True Extract.)

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

To the Commissioner of the Nilgiris.
„ J. Broughton, Esq.

Exd. F. R. Bantleman.

Govt. of {1873 Madras.
REVENUE.

To

THE COMMISSIONER OF THE NILGIRIS,

&c., &c., &c.

Dated September 5th.

Read.

G. O., 5th September 1873, No. 952.

SEPTEMBER.
Nos. 39-40.

Cinchona Bark.—Directing that of the 24,000 Cinchona trees of 11 and 10 years old one-fourth be reserved for cropping, and directing the mode after being harvested; and authorizing the Commissioner to open his direction in collecting and making advances to for the shipment of —— to England, submitting a report on the subject from time to time.

No 41

Government Gardens
Ootacamund 31st July 1873

From,

To, 1-8-73

W. G. M.c Ivor Esqr.
Supt. Govt. Chinchona Plantns

J. R. Cockerell Esqr.
Commissioner of Neilgherries
Ootacamund.

Sir,

With reference to the Proceedings of Govt. Rev. Dept. Nos. 1433 & 541, dated 16th October 1872 and 28th May 1873 respectively, I have the honor to inform you that I despatched between the 18th & 28th Instant, the whole of the cases of Chinchona Bark, 139 in number, to the Collector of Sea Customs Madras to be shipped to the Secretary of State for India.

The Invoice is enclosed. By it you will observe that 11 cases, Nos 51 to 61 inclusive of Branch Red Bark has been forwarded, and 13 cases Nos 127 to 139 inclusive of Branch Crown Bark. Nos 127 to 139 being bark rejected by Mr Broughton as valueless for his manufactory. Mr Broughton's process differs in some degree to that employed at home, and this bark may consequently prove of fair value in the home market, and under any circumstance it appears desirable to ascertain the price Neilgherry Branch Bark is likely to command in the home markets, and with this object these cases have been forwarded.

I have the honor to be
Sir
Your most obedt. Servant

W. G. M Ivor

Supt. Govt. Chinchona Plantns

Chinchona Bark from the Government Chinchona Plantations on the Neilgherries Invoice No. 1 of 1873, consisting of One Hundred and Thirty nine cases of Chinchona Bark, containing in the aggregate ~~tbs~~ 23,646.

Mark	Numbers	Tare ~~tbs~~	Nett ~~tbs~~	Total ~~tbs~~	Remarks
C. P.	1	71	155½	226½	Mossed Red Bark Neddiwuttum
	2	75	159	234	"
	3	75	159	234	"
	4	78	173	251	"
	5	75	177½	252½	"
	6	75	173	248	"
	7	71	163	234	"
	8	75	175	250	"
	9	80	176½	256½	"
	10	75	176½	251½	"
	11	76	174	250	"
	12	73	184	257	"
	13	71	156	227	"
	14	108	154½	262½	"
	15	104	162	266	"
	16	102	162	264	"
	17	88	161	249	"
	18	96	170½	266½	"
	19	88	166	254	"
	20	86	354	440	Renewed Red Bark Neddiwuttum
	21	87	317	404	"
	22	84	166½	250½	"
	23	88	150½	238½	"
	24	46½	238	284½	"
	25	101	167½	268½	Grey Bark — do —
	26	86	170½	256½	"
	27	79	165	244	" — Pykara
	28	79	319	398	" "
	29	94	196	290	Red Bark Neddiwuttum
	30	109	187	296	"
	31	99	182	281	"
	32	105	183	288	"
	33	105	151	256	"
	34	102	138	240	"
	35	106	145½	251½	"
	36	103	146	249	"
	37	74	164	238	"
	38	69	222	291	"
	39	45½	127½	173	"
	40	50	182	232	"
	41	57	125	182	" — Pykara
	42	42	138	180	" "
	43	59	156	215	" "
	44	48	126½	174½	" "

Mark	Number	Tare lbs	Nett lbs	Total lbs	Remarks
G. C. P.	45	120	330	450	Red Bark Pykara
	46	73	236	309	" "
	47	58	238	296	" "
	48	67	189	256	" "
	49	70 p/p	181	251 p/p	" "
	50	76	200	276	" "
	51	100	131	231	" Branch Red Bark Neddi
	52	102	157	259	" "
	53	82	149	231	" "
	54	63	161 p/p	224 p/p	" "
	55	75 p/p	200 p/p	276	" "
	56	59 p/p	132 p/p	192	" "
	57	63	178 p/p	241 p/p	" "
	58	53	162 p/p	215 p/p	" — Pykara
	59	57	124 p/p	181 p/p	" "
	60	66 p/p	194	260 p/p	" "
	61	50	174	224	" "
	62	52	119	171	" Stem Crown Bark Neddivutt
	63	75	264 p/p	339 p/p	" "
	64	40	132	172	" "
	65	44	108 p/p	152 p/p	" "
	66	72	170	242	" Crown Bark Neddivuttum
	67	97	199	296	" "
	68	98	189 p/p	287 p/p	" "
	69	84	165	249	" "
	70	100	172	272	" "
	71	105	168	273	" "
	72	79	160	239	" "
	73	96	136 p/p	232 p/p	" "
	74	79	167	246	" "
	75	94 p/p	147 p/p	242	" "
	76	103	134	237	" "
	77	99	152	251	" "
	78	99	147	246	" "
	79	93 p/p	137 p/p	231	" "
	80	99	160	259	" "
	81	107	148	255	" "
	82	102	143	245	" "
	83	92	148	240	" "
	84	104	138	242	" "
	85	83	151 p/p	234 p/p	" "
	86	105	167	272	" "
	87	96	160	256	" "
	88	80	148	228	" "
	89	89	153	242	" "
	90	93	147	240	" "
	91	86	152	238	" "
	92	102	158	260	" "
	93	102	156 p/p	258 p/p	" "
	94	101	141	242	" "
	95	83	172	255	" "
	96	105	155 p/p	260 p/p	" "
	97	115	159	238	" "
	98	106	152	258	" "

Mark	Number	Tare lbs	Nett lbs	Total lbs	Remarks
		106	133	239	Crown Bark Pykara
		96	135	231	" "
	1	107	138	245	" "
	2	80	156 p/p	236 p/p	" "
	3	75	148 p/p	223 p/p	" "
	4	77	145	222	" "
	5	74	149	223	" "
	6	75	142 p/p	217 p/p	" "
Mark	Num 7	39	100	139	" "
	8	77	161	238	" "
G. C. P.	9	57	131 p/p	182 p/p	" "
	1 0	61	186	247	" "
	2	70	210	280	" "
	2	72	218	290	" "
	113	54	153	207	" "
	114	55	159	214	" "
	115	81	168	249	" Mossed Crown Bark Dodabetta
	116	77	175	252	" "
	117	80	137 p/p	217 p/p	" Crown Bark "
	118	95	144	239	" "
	1 9	101	162 p/p	263 p/p	" "
	0	105	145 p/p	250 p/p	" "
	121	92	154	246	" "
	122	81	174	255	" "
	123	85	173 p/p	258 p/p	" "
	124	86	160	246	" "
	125	91	193	284	" "
	126	91	150 p/p	241 p/p	" "
	127	85	130	215	" Branch Crown Bark "
	128	77	146	223	" "
	129	72	200	272	" "
	130	77	136 p/p	213 p/p	" "
	131	102	151	253	" "
	132	66 p/p	266	332 p/p	" "
	133	70 p/p	175 p/p	246	" "
	134	84	186	270	" "
	135	64	118	182	" "
	1 6	86	132 p/p	218 p/p	" "
	20	100	174	274	" "
	2 7	86	143	229	" " Neddivutthum
	28	84	157	241	" "
	29				
	3				
		11,444	23,646	35,090	

Govt. Gardens
Octacammund
29th July 1873

H. Mc Ivor
Supt. Govt. Chinchona Plantns

Commissioner's Office
Octacamund 25 August 1873

No 35

From

J. P. Cockerell Esq
Commissioner
Nilgiris

To

The Secretary to Government
Revenue Department
Octacamund.

Sir.

In a letter to Government in Govern-
ment Order, Revenue Department, 22nd April
1873, No 429 I requested approval was for disposal
of Mr Mc Ivor to collect 50,000 lbs of Cinchona
Bark Islands to England for sale in addition to
25,000 lbs already ordered to be collected.

2. I annex a letter from Mr Mc Ivor
announcing the despatch to Madras of 25,000
lbs of bark out of the 25,000 lbs.

3. With regard to the additional
50,000 lbs of bark, my letter was referred to by
Government to the Collector of Sea Customs for a
report on the rate of freight for Bark. No instruct-
-ions have been issued by me to have the 50,000 lbs
collected or otherwise. I have the honor to request
instructions. The bark can be harvested in October.
It cannot be taken earlier owing to the monsoon.

4. I should observe that contrary to

Mr

Dr Broughton's statement in Para 40 of his report in Government Order, 28th May 1873. No 549 Revenue Department that "nearly the whole of the plantations have now been mossed so that unless the application be stopped, there will soon be no trees of an age on which, so necessary a plan as coppicing can be fairly tried." there are in the Government Plantations about 6000 Red bark trees of 11 years old and 18,000 Crown Bark trees of 10 years of age unmossed.

× Put up with No 2455/73. Revenue Department

5. If an additional 50,000 lbs of bark are to be taken this year, these 24,000 trees will have to be stripped and mossed. In this event, the order of Government No 916 dated 10th July 1873, Revenue Department, stating that no more trees are to be mossed until the merits of coppicing have been ascertained will ipso facto become modified.

6. I would venture to suggest an express modification of the order. A coppicing experiment sufficiently extensive to satisfy Dr Broughton is now being conducted and this experiment or any other similar experiment will take years to complete. In the meanwhile the unmossed trees on the plantations if left untouched will yield no revenue and deleterious consequences will occur besides. The bark on these trees will grow deteriorating, for Dr Broughton in Para 38 of his modern Report mentioned above, makes a remark indicating that in his opinion — an opinion in which the information I have at my disposal has seemed to coincide — the value of bark depends on the age of the bark and not on the age of the tree and the bark must not be beyond a limited ages of a few years. He writes speaking of certain trees "At the present time I have some reason to fear that the bark of the eldest trees has arrived at if not passed the maximum yield." I would suggest that Dr Br Broughton should be at liberty to moss until the superiority of the mossing process is established. Nothing will be lost by this arrangement because mossed trees like unmossed trees are capable of being felled by the axe and coppiced at any time desired.

7. In connection with the preparation of bark for shipment I would suggest to Government the expediency of according discretion to the Commissioner to collect bark as it becomes available and to make arrangements for shipping it, reporting from time to time to Government the quantity collected and the quantity shipped, with the necessary details. In consequence of the delay in the issue of orders respecting the 50,000 lbs of bark in question at the present moment a favorable season for taking the bark has passed and some months must elapse before the bark can be gathered.

I have the honor to be
Sir
Your most obedient Servant
Ely Cockerell
Commissioner.

Revenue Department

No 952

Proceedings of the Madras Govt

2/5 Sept: 73

Read the following letter from the Commissioner of the Nilgiris

Submitting letter from Mr. Mc Ivor regarding the dispatch to Madras of 23,000 lbs of Cinchona bark and requesting instructions on certain proposals made — M. R. 12th August 73 No. 35.

It appears that in order to carry into effect the proposal of the Commissioner that 50,000 lbs of bark should be collected for shipment to England it will be necessary to move all the unmoved trees in the plantations of 11 and 10 years of age. Relying on Mr. Broughton's statement that "nearly the whole of the Cinchona plantations had been moved," the Govt.

in

L. D. V.

9 92 19

G.O. 29th Aug 1873 No 205-206
- 22 Sept 6 - - 104-105
- 16 Oct 1872 - 132-33

No. 39-40

G.O. 5 Sept/73 R 95

in their order dated 29th May 1873 No. 549 directed that no further mossing of the trees should be undertaken until the superiority of the mossing over the coppicing system had been established. Under the circumstances now stated, however, they are pleased to direct that of the 24,000 trees of 11 and 10 years old, one fourth or 6,000 situated in different parts of the plantations, shall be retained for coppicing and that three fourths or 18,000, shall be mossed after being harvested. It is probable that this will restrict the projected harvest somewhat below the estimate of 50,000 lbs but this is not a matter of any moment. Similarly the application of moss will not be carried out in regard to more than three

I do not believe in coppicing & any time a mossed tree can be coppiced at any time — I think 1/10 is a sufficient reserve for experiment.

W. L.

I would leave the draft as it is. As it is, it assumes the superiority of the mossing

Explain - both means whether the coppicing system has really gotten a fair trial under the apparently foregone conclusions of Gardener, [illegible] &c. I [illegible] think [illegible] have much learnt [illegible] the way

[illegible]

three fourths of the remaining trees of the plantations, care being taken that at least one fourth of the trees planted in each year are reserved for experimental coppicing in case it should hereafter be determined to carry out that system further.

With reference to para 7 of the Commissioner's letter the Governor in Council is pleased to authorize him to use his discretion in collecting the bark for the Home market and in making arrangements for its shipment to England, submitting from time to time reports on his proceedings as proposed.

A copy of Mr. McIvor's letter with the invoice enclosed will be forwarded to His Grace

Grace the Secretary of State
with reference to this Govts
despatch dated

No 35

To The Commissioners
Washington
J. Brougham Esq

Aug 12 Sept/73

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Regarding Limehouse
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