No. 34

34	Coconut pest
----	--------------

Coconut pest.

Gardens

6410

(G. 3.)

1913

From Whom

Reading Gardens

Place

Date

Nov. 11. 1913

Plague of locusts (*Brachymeria catenata*)
attacking the coco. but been in and near
Serangam

Report & suggest measures against

Former Papers.

MINUTES.

Final Paper.

CS.

Treasurer

Will you ask the F.C. if they are prepared
to vote £15.00 for dealing with this outbreak?
This will pay for a sprayer & for labour.
7.10.13 R. J. W.

CS.

Approved by the F.C.

2 Warrant submitted

21.11.13 and

Treasurer

Please register

of C.M.P. 27.11.13

C.S.

Registered & sent herewith
to the Audit office
J.M.K.
29.12.12

S.P.O.

Please retain A. (Chinese) & B.
(Tamil) for early proof & return
this paper at once in order that
Malay copy may be made
Std. S. W. A. 20.12.13

C.S.

Warrant retained
2/12

st.

A. & B. retained & paper returned
herewith
Std. J.C.T. 20.12

S.P.O.

Malay version herewith
rough proof of all please
Std. S. W. A. 5.1.14

st.

Herewith

2. Proof of A. & B. submitted to
you last week.

3. Do you wish all the 3
versions printed on a sheet
or separately

Reg. S.C.

Please check A. & B. & return

C.S.

Notes
6.12.13

early

Please have Chinese Tamil
translation of (4) put up as
soon as possible.

Std. S. W. A. 12.1.

st.

A. & B. checked & formal

st.

Translation herewith
Std. S. T. 22.12

Correct

Std. S. T. 10/1/14

M.B.M.

Received.....
Answered.....

Telegraphic Address:—
"SECRETARY, SINGAPORE."

It is requested that the following
number be quoted in the reply to
this letter.

Colonial Secretary's Office,

Singapore,

MARCH, 1914.

Governor 1773/1914.

Sir,

I am directed to forward herewith a copy
of Council Paper No.10 of 1914 and to enquire why necessity
for a revote of the item marked (i) was not foreseen and
provision made in the Estimates for 1914 accordingly.

I have the honour to be,

Sir,

Your obedient Servant,

A handwritten signature in cursive script, likely of the Colonial Secretary.

Colonial Secretary,
Straits Settlements.

The Director of Gardens,

STRAITS SETTLEMENTS.

No. 10 of 1914.

STRAITS SETTLEMENTS.

Paper to be laid before the Legislative Council by Command of
His Excellency the Governor.

List of Public Works Services provided in the Estimates for 1913,
and left incomplete at the end of the year.

SCHEDULE A.

No. of Item.	Nature.	Amount sanctioned or voted.	Expended up to end of 1913.	Amount required to be re-voted.
	SINGAPORE.	\$ c.	\$ c.	\$ c.
	OTHER CHARGES.			
	SPECIAL EXPENDITURE.			
	<i>Prisons.</i>			
	Purchase of Technical Books ...	500 00	341 21	157 79
	<i>Botanic Gardens.</i>			
	Suppression of Coconut Pest (<i>Brachartona Catoxantha</i>) Expenses in connection with ...	1,500 00	...	1,500 00
	PENANG.			
	<i>Marine.</i>			
	New Disinfecting Launch ...	30,000 00	...	30,000 00
	PROVINCE WELLESLEY.			
	<i>Post Office.</i>			
	Telegraph Lines, Simpang Ampat to Lumut ...	2,500 00	1,850 00	650 00
	MALACCA.			
	ANNUALLY RECURRENT.			
	<i>Public Works Department.</i>			
	Instruments ...	500 00	300 00	200 00
	<i>Carried forward</i> ...	...	...	32,507 79

SCHEDULE A.—Continued.

No. of Item.	Nature.	Amount sanctioned or voted.	Expended up to end of 1913.	Amount required to be re-voted.
		\$ c.	\$ c.	\$ c.
	<i>Brought forward</i> ...	...	...	32,507 79
	SINGAPORE.			
	OTHER CHARGES.			
	SPECIAL EXPENDITURE.			
	<i>Post Office.</i>			
	Purchase of four 30-cwt. Motor Mail Vans ...	24,000 00	227 71	23,772 29
	PENANG.			
	New line of Telegraph Poles from Prai to Parit Buntar ...	8,840 00	2,805 30	6,034 70
	MALACCA.			
	Malacca-Tampin Telegraph Lines—Improvements to ...	2,300 00	...	2,300 00
	Telegraph Line, Malacca to Jasin and Asahan ...	1,355 00	844 85	510 15
	Telegraph Line, Malacca to Alor Gajah ...	795 00	649 77	145 23
	Re-modelling Malacca Telephone Lines ...	48,000 00	30,022 09	17,977 91
	Installation of Telephone Exchange ...	4,838 00	3,419 34	1,418 66
	LABUAN.			
	OTHER CHARGES.			
	SPECIAL EXPENDITURE.			
	<i>Marine.</i>			
	New Buoy for Labuan ...	1,850 00	1,675 00	175 00
	MILITARY EXPENDITURE.			
	SPECIAL EXPENDITURE.			
	Malay Company, Penang—Outfit	3,000 00	1,819 23	491 77
	<i>Carried forward</i> ...	...	...	85,333 50

SCHEDULE A.—Continued.

No. of Item.	Nature.	Amount sanctioned or voted.	Expended up to end of 1913.	Amount required to be re-voted.
		\$ c.	\$ c.	\$ c.
	<i>Brought forward</i> ...	...	...	85,333 50
	PENANG.			
	MISCELLANEOUS SERVICES.			
	OTHER CHARGES.			
	SPECIAL EXPENDITURE.			
	Purchase of land for Magazine Police Station ...	2,000 00	422 26	1,577 74
	SINGAPORE.			
	PUBLIC WORKS, EXTRAORDINARY.			
	(B.)—Buildings and Miscellaneous Works.			
	Colonial Secretary's Office—Additional Storage Accommodation	5,000 00	3,000 00	2,000 00
	District Court—New ...	53,100 00	46,015 00	7,085 00
	Master Attendant's Office—Additions and Alterations ...	12,000 00	8,029 00	3,971 00
	Quarantine Station, St. John's Island—New general Kitchen including Vertical boilers, Rice Steamers, light rails and trucks	21,359 00	11,938 00	9,421 00
	Quarantine Station, St. John's Island—Improvement to landing stage ...	10,750 00	...	10,750 00
	Raffles Institution—General alterations and repairs to doors and windows ...	2,500 00	1,994 85	505 00
	Victoria Bridge School—Extension to ...	20,000 00	15,743 00	4,257 00
	Government House—Offices at ...	69,500 00	52,742 00	4,908 00
	Lift for conveying Chandu packed in bulk from ground floor in packing room at top of Cecil Street Office ...	750 00	...	750 00
	Police Station, Sepoy Lines—Quarters for 10 married men including fencing ...	9,500 00	32 40	9,467 60
	Pulau Pisang Lighthouse—Extending Coral Pier ...	750 00	36 00	714 00
	Building on Pearls Hill for the accommodation of the Sikh Police—Alterations to ...	13,000 00	500 00	12,500 00
	<i>Carried forward</i> ...	...	...	153,239 84

SCHEDULE A.—Continued.

No. of Item.	Nature.	Amount sanctioned or voted.	Expended up to end of 1913.	Amount required to be re-voted.
		\$ c.	\$ c.	\$ c.
	<i>Brought forward</i> ...	...	...	153,239 84
	PENANG.			
	PUBLIC WORKS, EXTRAORDINARY.			
	<i>Buildings and Miscellaneous Works.</i>			
	Fernhill—Rebuilding of ...	12,000 00	9,000 00	3,000 00
	Quarantine Station, Pulau Jerejak—Quarters for Lay Superintendent ...	5,000 00	...	5,000 00
	Quarters for Crew of Disinfecting Launch ...	4,800 00	...	4,800 00
	St. George's Church—Marble Flooring ...	3,600 00	...	3,600 00
	Quarantine Station, Pulau Jerejak—Improvement of accommodation (Colony's Share) ...	14,550 00	11,741 00	2,809 00
	Muka Head Lighthouse—Improving the illuminating apparatus of the ...	4,300 00	...	4,300 00
	DINDINGS.			
	New Beacon, Dindings River ...	4,000 00	2,000 00	2,000 00
	PROVINCE WELLESLEY.			
	Bukit Mertajam Assistant Surgeon's Quarters—Tile roofing, painting and general repairs ...	1,850 00	1,093 96	756 04
	Bukit Panchor Reservoir—Installation of filtering apparatus ...	95,000 00	180 84	94,819 16
	Butterworth Cattle Quarantine Station—Two additional sheds for ...	11,500 00	9,000 00	2,500 00
	Cattle Quarantine Station at Bukit Selarong Road ...	5,000 00	876 40	4,123 60
	Bukit Seraya Reservoir—Special Services to ...	6,000 00	2,641 74	3,358 26
	PENANG.			
	EXTRAORDINARY.			
	<i>Roads, Streets, Bridges and Canals.</i>			
	Telok Bahang—Balik Pulau Road—Completion of ...	40,000 00	26,100 00	2,900 00
	PROVINCE WELLESLEY.			
	Bridge over the Krian River at Nebong Tebal ...	50,000 00	2,200 81	7,799 19
	<i>Carried forward</i> ...	...	...	295,005 09

SCHEDULE A.—*Concluded.*

No. of Item.	Nature.	Amount sanctioned or voted.	Expended up to end of 1913.	Amount required to be re-voted.
		\$ c.	\$ c.	\$ c.
	<i>Brought forward ...</i>	...	...	295,005 09
	PROVINCE WELLESLEY.			
	EXTRAORDINARY.			
	<i>Roads, Streets, Bridges and Canals.</i>			
	Purchase of one 8-ton Steam Roller ...	2,820 49	149 63	2,670 86
	MALACCA.			
	PUBLIC WORKS EXTRAORDINARY.			
	<i>Buildings and Miscellaneous Works.</i>			
	Pulau Undan Lighthouse—Improving the illuminating apparatus of the ...	5,500 00	...	5,500 00
	Durian Daun Hospital—Additions, alterations and repairs including European Ward and Nurses' Quarters ...	41,000 00	5,000 00	36,000 00
	Hospital, Jasin—New, including purchase of site ...	70,000 00	...	70,000 00
	DINDINGS.			
	EXTRAORDINARY.			
	<i>Roads, Streets, Bridges and Canals.</i>			
	Bruas-Segari Road—Track Metalling ...	7,828 33	6,411 05	1,406 03
	<i>Buildings and Miscellaneous Works.</i>			
	Telephone line between Bruas and Lumut Police Stations—Repairs	1,300	333 60	966 40
	Total ...	...	...	411,548 38

25rd. December, 1913

REVOCE of the unexpended balance of the grant made under
file 6410/1913.

Sir,

I have the honour to inform you that it will
be necessary to revoke the unexpended balance of the grant
of \$1500 made under the file 6410/1913 for the suppression
of the Coconut tree pest, Brachartene catexantha. This
balance amounts to dollars five hundred and seventeen (\$517).

It was impossible, I regret, to furnish notice of this
necessity by the twentieth of this month.

I have the honour to be,

Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable

the Colonial Secretary,

Singapore.

A small insect is doing harm to the coconut trees in the island of Singapore. It is a moth about as long as the nail of a man's little finger, black on the back and bright yellow below. In the day time it flies from tree to tree; and the female lays eggs on the good green leaves of the coconut palms. From these eggs hatch little grubs of a green colour with a ^{dark} blue line down the back. These grubs eat the coconut leaves on the lower side: and when many of them live together on the trees, the leaves become as if a ^{big} fire on the ground had burned them. When the grubs have remained on the leaves eating them for about five weeks, they spin little cases for themselves as if of thin paper, in which they change their ^{shape} ~~MMMM~~ twice, and from which they come out as ~~moths~~ the black and yellow moths to fly about among the trees and to lay more eggs.

The trees which have had their leaves much hurt will not give you nuts for a year. It is therefore wise that you should try to kill as many ~~MMMM~~ of the grubs as possible. *Let more trees should be hurt* You can do this by cutting off the curling up leaves on which the grubs are still and burning them at once. If you do ~~MMMM~~ not do this, the moths will increase and you will lose more nuts than you are losing already.

18th. December, 1913

PROPOSAL to print and distribute a circular on the
COCONUT PEST - Brachartona Catexantha.

Sir,

In reference to file 6410/1913, and in consideration of the way in which the Coconut pest - Brachartona catexantha - is spreading in the east of the island of Singapore, I have the honour to submit to you draft of a circular which if distributed in english, malay and chinese through the infected districts, may do good.

If the suggestion has your approval, I beg that a chinese translation may be made for me. A malay translation is being made. Further I beg for authority to have 500 copies printed.

Spraying operations will be directed under me to confining the moth to the area wherein it is now prevalent. Within that area the owners should be made to help themselves.

Any expenses in connection with the making of this circular will be borne on the grant made for dealing with the pest.

I have the honour to be, Sir,

Your obedient servant,

The Honourable
the Colonial Secretary.

Director of Gardens.

18th. December, 1913

PROPOSAL to print a circular in regard to the
COCONUT PEST- BRACHARTONA CAROXANTHA.

Sir,

In reference to file 6410/1913 I have the honour
to submit copy of a circular on the subject of the above-named
Coconut pest now prevalent in the island, which is spreading

Memorandum.

From

To

Yl. Somapah
317 Serangoon Road

The Director of Gardens
Singapore

Singapore, 18-12-1913.

Answered.....

Sir,

In reply to your letter dated the 11th Dec. I beg to inform you that the moth has got over all my trees at the junction of Tampines & Serangoon Roads and in my opinion that the machine you proposed to bring & destroy the moths would be useless & that they will have to leave the trees by themselves.

Yours Faithfully
H. Somapah

Head of Estimates

Subhead

Dr. to

I certify that the charges marked thus*,
amounting to \$, have been
actually incurred and PAID by me.

When payments are made by Public Officers for Petty Expenses for which it is not practicable to obtain Under-Receipts, the following Certificate must be signed by such Officers.

DATE.	DETAILED DESCRIPTION OF SERVICE OR ARTICLE.	RATE.	AMOUNT.	
			\$	c.
	Spray Pump Type A.4.		230	00
1	length 15' Steel Pipe with Coupling		7	00
1	Flange Connection with Coupling		3	00
2	Bamboo Spray pipe - Bent 100 ft		17	00
1	length India R. delivery Hose for			
	pump inlet with Coupling	\$22.00	22	00
1	" Vulcanized I. R. Section			
	Hose & screws		20	00
1	Strainer " do		4	00
4	Spray nozzles assy	25.00	100	00
1	2 1/2" Pipes		7	00
1	length 60 ft 1/2" ammonia hose 30 ft		18	00
1	Coupling for " "	\$2.00	2	00
1	Pipes 1 1/2" " 40 ft 1/2"		20	00
1	Three way cocks		4	00
1	Piece wire flange		8	00
1	Section Benzine gas			
	Authority.			
	TOTAL.		953	00

I hereby certify that the above service has been duly performed, and that the prices charged are

Received this _____ day of _____, 191 _____

in payment of the above account the sum of.

* Witnesses to marks and payments made in our presence.

(NOTE:—No signature should be written or stamped here until payment has been actually received.)

$$\begin{array}{r} 1800 \\ 553 \\ \hline 517 \end{array}$$

$$\begin{array}{r} 1000 \\ 100 \\ \hline 1100 \end{array}$$

Memorandum.

From

10.12.13
To

46. Somapah
37. Serangoon Road
Singapore, 8 - 12 - 1913.

The Director of Botanical
Gardens; Singapore.

03982/13

Sir,

I beg to bring to your notice that there is a kind of sickness among the coconut trees right from Serangoon River down to the junction of Serangoon and Tampines Roads. There is a kind of pests that destroy the leaves of the trees and gives an appearance as if the trees were burnt. Will you kindly see and give what information you can about the trees at the junction of Serangoon & Tampines Roads.

Yours Faithfully
H. Somapah.

December 11th.

13

Dear Sir,

In reply to your Memo of the 9th. inst., I have to inform you that the Director of Gardens is already aware of the appearance of the Coconuts at the junction of Serangoon and Tanjong Roads.

The leaves are attacked by a moth BRACHARTONA CAECOKANTHA and it is hoped that, early in the new Year, a motor spraying machine will be employed to kill the caterpillars.

On the return of the Director, I shall show him your Memo and he will no doubt advise you as to the measures to be taken.

Yours truly,

Director of Gardens, S.S.

H. Somayah Esq.,

517 Serangoon Road,

SINGAPORE.

شهدان مک ادا له سواۀ بنانغ یغ کچیل تر یغ مروسفکن فوکو ۲ کلاف یغد دالم قولو سیغافورا این ادقون بنانغ یغترسبوة ایه
دغاکن موث (Moth) دالم بهاس اغکریس (یا یه یغ بیاس دسبوة اوله اورغ ۲ ملایو کومبغ انوکو یغ نیور ایله یغ ممیناسکن فوکو ۲ کلاف)
مک فنجغن کومبغ ایت سقره سفنجغ کوکو جاری کلایغ مانی ورنش هیم دبالکغ دان ککونیغ ۲ غن دقروتن مک قد وقتو سیغ هاری
ای تربغ مرات ۲ فوکو دان یغ بتینان برتلور قد داون کلاف یغ هیجو انوکو یغ مودا مک درقد تلور ایلله کلک منتس منجادی انق یایت
دغاکن کراب (Grubs) دالم بهاس اغکریس یایت ورنش هیجو دغن سوات کوریس ورن بیرونوا سفنجغ بالکغن مک این انق ۲ کومبغ
کلک ماکر دبالکغ انوکو دباوه داون ۲ کلاف یغ مودا دان اقبیل ای منجادی یق اتو باقی داس فوکو ایت ایلله داون ۲ کلاف ایت
منجادی ساومقام ائی بسر ممباکر دقنکل فوکو ۲ کلاف ایه * مک اقبیل ای برهمشون ماکن داون ۲ کلاف ایه سلما لیم میغکو لیه کورغ
دان ای ممبوات سارغ ۲ سام دبوانش سقره روف قرطس یغ نیئیس بر باغ ۲ مک دالم سارغ ایلله ای برنوکر روف دوا کالی ایلله دغاکن
موث کمدین ای تربغ قول مرات ۲ فوکو دان برتاور برکددا ۲ مک فوکو ۲ کلاف یقتله دماکن ایه منجادی بناس اوله یغدمکین تیاد
بوله بر بواه سفنگ ستاعن لمان مک در سبب ایت قاتوتله دیونمکن کراب انوکومبغ یغترسبوة ایه دغن سیراف دای دان اوفاي جک
تیاد دیونه اکندی نسپای سکل فوکو ۲ کلاف اکن دیناسکن کلک مک شرطن ممبونه کراب انوکومبغ ایت یا یه هندقله دقونغ داون ۲
کلاف یغ سد مغکریکوة ایت دمان انق کومبغ اد کمدین دباکر دغن سکران مک سکران تیاد دایکوت سقره بصیحه این نسپای کومبغ
ایه منجادی یق دان فوکو ایت تیاد بوله بر بواه دان منداتغن کروکین بر لیه ۲ هن دان بر فنجغن ادا *

叻中有蝶一種能損壞椰樹蝶身大若
小指之甲背色皂黑腹色金黃終日飛
舞樹間雌蝶產卵於青葉之上卵出小
虫其色綠背上有烏紋一線虫居葉下
齧食不休樹有多虫者其葉如被火燒
虫食五星期之久而吐絲結繭儼然如
薄紙製成者虫藏繭中兩變其形而化
爲蝶仍然飛舞於椰樹之間而多生卵
被食之樹一年失收於是勸你多殺虫
蝶滅其滋生之路以絕其齧食之害殺
之之法每見有葉捲起者須全枝割下
而焚之以火若不如是則恐將來之失
尤更甚也

ஒரு சிறு வண்டுஜாதி சிங்கப்பூர் தீவிலுள்ள தேன்னமரங்களுக்கு கெடுதி உண்டாக்குகிறது. இது ஒரு மனிதனுடைய சுண்டுவிரல் நீளமும் முதுகில் கறுப்பும் உடலில் மஞ்சள் நிறமும் உள்ளது. இது பகல்காலத்தில் ஒரு மரத்திலிருந்து மற்றொன்றுக்கு பறந்துகொண்டிருக்கிறது. பெண்வண்டு தேன்ன மரத்தின் பச்சை மட்டைகளில் முட்டை இடுகிறது. இந்த முட்டைகளிலிருந்து பச்சை நிறமும் முதுகில் கறுநீலக் கோடுமுள்ள பூச்சிகள் உற்பத்தியாகிறது தேன்னமட்டையின் அடிபாகத்தின் ஒலைகளை இந்தப் பூச்சிகள் சாப்பிடுகிறது. இப்படி அநேகபூச்சிகள் மரத்தில் வாசம்பண்ணும்போது அம்மரத்தின் மட்டைகள் தரையிலிருந்து நெருப்பு எறிந்து கறுகினதுபோல் ஆகிறது. இந்தப்பூச்சிகள் மரங்களில் ஐந்துவாரம் ஒலைகளை சாப்பிட்டுக்கொண்டு இருந்து மெல்லிதான காகிதக் கூடுபோல் கூடுகள் பின்னுகிறது. அந்தக் கூடுகளில் இரண்டுதரம் தங்கள் உருவங்களை மாற்றுகிறது, பின்பு கறுப்பும் மஞ்சள் நிறமுள்ள வண்டு களாக ஒரு மரத்திலிருந்து மற்றமரங்களுக்குப் பறந்து முட்டைகள் இடும்படி வேளியாகிறது. இந்த வண்டு களால் கெடுதியான மட்டைகளைஉடைய மரங்கள் ஒரு வருஷகாலத்துக்கு தேங்காய் காய்க்கிறதில்லை. ஆகையால் இப்படிப்பட்ட பூச்சிகளை உங்களால் எவ்வளவு கொல்லக்கூடுமோ அவ்வளவு கொல்லுகிறது உசிதம். இல்லாவிட்டால் அநேகமரங்கள் நாசமாகும் பூச்சிகள்உள்ள சுருண்ட ஒலைகளை வெட்டி உடனே கொளுத்திப்போடவேண்டும். இப்படி நீங்கள் செய்யாவிட்டால் வண்டுகள் அதிகம் உண்டாகிறபடியால் இப்போது நீங்கள் இழந்துபோகிற தேங்காய்களைவிட அதிகம் இழக்கவேண்டியதாய் இருக்கும்.

Municipal Engineers Office,

Singapore, 30th December, 1913.

It is requested that the following number be quoted in the reply to this letter.

No. 399/13

31.12.13

Dear Burkill,

I am sorry I have not been able to reply earlier to your memo of 20th instant re Joseph Arican.

He was employed here as a Conservancy Inspector for some years and left as to improve his prospects.

He was quite satisfactory during the time he was with us.

Yours Sincerely,

Perice

I. H. Burkill Esq.,

Director,

Botanic Gardens,

SINGAPORE.

A list of the number of places, I had inspected during the following dates.

19th Jan. 14. Inspected the coconut plantation at Paya Laban and found many trees destroyed by caterpillars.

20th Jan. 14 " Do.

21st Jan. 14 Found the coconut trees destroyed by caterpillars in the plantation at R Ponguh Rd.

Dear Sir,

I beg to ask you to supply me with a knife so that I may be able to cut the coconut leaf to

I beg to remain
Sir

Your obedient servant.

Friday.

meet me ~~at~~ 9.0 am. office.

J. Ariffin

List of the number of places I had
inspected during the following dates.

30th 1.14. Inspected the coconut plantation at Segeloh and
Tempanis Rd and found the trees effected by fungus.

1st 2.14.

No.

"

2nd 2.14.

Inspected the coconut plantation at Seloh
Kuroh and Tanah Meyrah and found the trees
destroyed by caterpillars, but nothing at present,
only it is diseased by fungus.

3rd 2.14.

Inspected the part of the coconut plantation at
Budooh and the part of the Chaugi Rd.

J. Amey

Bulbifera - Bent-again P.W.

23.1.14.

Senior District Officer's Office.

28.1.14

Dear Mr. Burkskill

Mr. Evans has forwarded to me
a part of a letter from you drawing
attention to the moth *Brachantia*
catenulata which occurs in
some trees at Malang Kapok
near Butterworth.

In 1910 the moth was reported by
the Malayan Planters Association of
Penang. Mr. Ridley was unable to
identify it as specimens were not
submitted but it has appeared again

In August last the occurrence
of mottle was again reported
me by a planter, I obtained
specimens which I sent to
the Entomologist at Kuala
Lumpur who kindly identified
it for me and also permitted
treatment. I circulated all
the big estates giving them the
information supplied and also
put the Coast Inspector on to
watch it - native holders where it
had appeared. I understand
that it disappeared again
fairly soon.

Strictly speaking I should have
referred the matter to you, but
sent to Kuala Lumpur to save
time in transmitting the specimens,
and also because I thought it
might possibly spread to Perak
from the Province. Please
accept my apologies for
the breach of procedure.

I am instructing my Inspector
to keep a look-out for it and
will let you know if it
occurs again. Lastly, in order
that the fungus you mention
can be used, W. D. S. has

asked me to correspond
directly with you on the
subject.

Yours faithfully
V. Scott

31st. March, 1914

Sir,

I have the honour to acknowledge the receipt of your letter, Government 1773/1914, dated 29th. March, 1914, asking that I had not foreseen and made provision in the estimates for 1914 for the revote of the sum of \$1500 voted at the beginning of December, 1913, under the title of "suppression of Coconut pest (Brachiarctona catenantha), expenses in connection with".

In reply I beg to refer you to my letter, Gardens 6416/1913 dated December 23rd. which shows that on that date I anticipated the necessity of a revote though not of the full amount because bills to the amount of \$335 were with the Treasury. As soon as it was known that the Treasury had been unable to meet these bills, a revote of the full amount was asked. All these occurrences and the giving of the vote itself took place after the estimates for 1914 had been sent in.

I have the honour to be,

Sir,

Director of Gardens, S.S.

The Hon. Mr. A. J. A. J.

the Colonial Secretary,

Singapore.

64 10
1913

S. P. O

Please print 500 copies of
each version at once & send
direct to D of G

Please return this in order
that he may see what is being
done.

Std. S. W. A 14.1.14

at

Put in hand for printing off
2. Paper returned herewith.

(4) Letter from D of G 10.1.14

(5) do - " 13.1.14

C. S

Approve (4) and first
three paragraphs of (5)?
Last para of (5) should
be a separate recommendation
later on? It cannot conveniently
be dealt with in this correspondence.

Std. S. W. A

15.1.14

Yes as you propose

Std. R. J. W. 15.1.14

Doft.

To note

Std. S. W. A 15.1.14

at

Noted

Mr. Joseph Aiken has
commenced his work this
day.

Std. J. H. B. 19.1.14

Treasurer

Auditor. Genl.

To See

Std. S. W. A

21.1.14

at

Noted

Std. J. H. B. for Treasurer

18.2.14

at

Noted

Std. J. H. B. for Aud. Genl.

20.2.14

Treasurer.

When may warrant be expected?

Std. E. B. M. 23/2/14

at

Please see Mat. 6934

D of G

13

The warrant will be issued when
the schedule of revolts has been
submitted to the Exe. Council.

Std. E. B. M.

11/3/14

C.S.

I am asking for authority
to draw in advance.

on another occasion I shall
ask you to give the vote to the
Gardens Committee instead of the
Director of Gardens that revoting
may be unnecessary.

Std. J. H. B. 4.4.14

12.7.14

S of G

Revote would be necessary in
any case.

Std. E. B. M. 18/3/14

S.

Noted. But I want to add it
to the grant of the Gardens Committee
which does not lapse.

Std. J. H. B. 17.3.14

S.

This may be authorised!

Std. E. B. M. 21.3.14

Yes.

Std. R. J. W. 23.3.14

Treasurer.

Secy of Gardens

To Sec

Std. E. B. M. 23.3.14

S.

Seen and noted

Std. J. H. B. 27.3.14

S.

Secured

Std. J. H. B. 4.4.14

(8) Letter from S of G

S.

Approve?

Std. E. B. M. 26.6.14

S of G

I do not think that this is sound
Please write in separately about your
transport vote.

Std. W. F. M. 26.6.14

23rd. June. 1914

EXPRESSSION OF ACCOUNTS (TRACHASOMA TACHANAY),
Expenses in connection with
~~EXPRESSSION OF ACCOUNTS (TRACHASOMA TACHANAY),~~

Sir,

I have the honour to refer to file number 6410/15 regarding the expression of the 1913 account at Singapore of the account of the Department. In order to explain to you that subject to your approval I propose to continue having upon the balance of the grant made for expenses against the net to meet the expenses of my journeys of inspection of accounts within the island.

The use of the funds means legitimate because those journeys are undertaken to detect ^{inter alia} ~~with~~ ^{disappearance}, although the actual suppression has been allowed. However if not permitted to use them, I shall have to ask you for funds under the head of travelling expenses.

I have the honour to be,

Sir,

Your obedient servant,

Director of Customs, S.S.

The Honorable

The Colonial Secretary,

F34/22 Singapore.

Botanic Gardens

Singapore, 23rd June 1914

SUPPRESSION OF COCONUT PEST (BRACHARTONA CATOXANTHA)

Expenses in connection with.

Sir,

I have the honour to refer to file Gardens 641C/13, regarding the suppression of the 1913 outbreak at Sirangoon of the Coconut pest *Brachartona catoxantha*, in order to explain to you that, subject to your approval, I propose to continue drawing upon the balance of the grant, made for measure against the moth, to meet the expenses of my journeys of inspection of coconuts within the island.

The use of the funds seems legitimate because these journeys are undertaken to detect inter alia any reappearance, although the actual suppression has been achieved. Moreover if not permitted to use them, I shall have to ask you for funds under the head of Travelling expenses.

I have etc

sd. I. Henry Burkill

The Hon'ble

The Colonial Secretary S.S.

Botanic Gardens, Singapore,
STRAITS SETTLEMENTS.

July 8th 1914

191

St V B Down Esqre,

Osborne House,

11 Upper Wilkie Rd.

Dear Sir.

I beg to acknowledge receipt of ~~three~~ ~~three~~

12th. March, 1914

Asking that an advance may be authorised against the vote of 1913 (revote requested) of \$1500 for the suppression of the Coconut pest- *Brachartena catantia*.

Sir,

I have the honour to inform you that there are a series of bills outstanding against the above mentioned vote (file Gardens 6416/1913) which I cannot meet because the necessary revote has not been made as yet. As you understand it is not possible for me to sit idle in the matter awaiting the consideration of the revoting by the Financial Committee: and I have therefore to request you for authority to draw from the Treasury against the vote advances up to the amount of dollars one thousand, one hundred and fifty (\$1150)

I have the honour to be, Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable

the Colonial Secretary,

Singapore.

31st. January, 1914

Suppression of Coconut pest (*Brachartena satuxantha*), expenses
in connection with; need of warrant for the revote.

Sir,

I have the honour to ask that the necessary
warrant in connection with the revote of the special
grant of dollars fifteen hundred for the suppression of
the coconut pest, *Brachartena satuxantha*, may be furnished.

The revote was sanctioned on January 15th, vide file
Gardens 6410/1913.

I am, Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable
the Colonial Secretary,
Singapore.

10th. January, 1914

REVOTE of the unexpended grant made under file 6416/1913.

Sir,

In supersession of my letter dated 23rd. December, 1913, I have the honour to ask that the whole of the grant of dollars fifteen hundred for the suppression of the coconut pest- *Brachartena catexantha* may be revoted.

I am, Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable

the Colonial Secretary,

Singapore.

18th. January, 1914.

Suppression of the Coconut pest - Brachartena
catoxantha.

Sir,

I have the honour with reference to file
Gardens 6410/1913 to ask you to sanction the employment
under me of one Joseph Ariken, formerly of these Gardens
for a period not exceeding two months, ~~his~~ his work being
the conduct of spraying operations against the moth
Brachartena catoxantha.

He is willing to accept twenty-five dollars per
mensem.

I have made enquiries regarding him, and find that
there is nothing against him recorded in regard to
the service which he took with the Municipality subsequent
to leaving the Gardens.

As soon as work against the moth becomes unnecessary
I propose that he should be employed in charge of coolies
cleaning the Goodwood estate rubber plantation, for which
separate sanction is asked.

I have the honour to be, Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable

the Colonial Secretary,

Singapore.

5th. November, 1913

SUGGESTING MEASURES against a COCONUT PEST.

Sir,

I have the honour to put before a statement regarding the plague of meths now attacking the Coconut trees in and near Serangoon, together with suggestions on the measures which seem to be called for.

The meth is BRACHARTONA CATOXANTHA, described first some years ago from Tenasserim: but it was not then identified as a pest nor until the issue in 1909 of a Bulletin (no.4) by the Department of Agriculture, F.M.S. It had then done damage over three years in Perak, and Province Wellesley, appearing intermittently. It was however not unknown to the natives, and one owner of a plantation admitted that it had appeared on his trees seven years previously. In Singapore my Coconut tree Inspector saw it three or four years ago in the district of Gelang.

According to the Government Entomologist, F.M.S., four successive broods make an outbreak, as after

the insect becomes abundant, its parasites so multiply as to check it. He observed that 20% of the third brood of an outbreak was parasitised. Nature thus may choke her own extravagance: but it seems to me that the outbreak at Serangoen is too severe to be left alone. As far as I can at present ascertain, much less than 20% is there parasitised.

The attacked Coconut trees extent all along the Serangoen road from the terminus of the tram-line to the Serangoen river and thence to Tanjong Pagar involving about 1200 acres of it may be 216000 trees. Part of the area is occupied by the Trafalgar Estate, 50 acres - where measures are already being taken. The very severely attacked trees may number 700, and these trees will not produce any fruit for one or two years, or that a loss of, it may be, \$7000 is involved. What further loss another brood may produce depends on our measures against the insect and on nature's - an unknown quantity.

The moths of a completed brood are rapidly emerging now: soon they will lay eggs on the next healthy lower leaves that they can find, and the emerged caterpillars will eat the lower surface of the leaf: they dislike direct light, and therefore are to be found not only on the lower surface, but on the lowest leaves. This habit exposes them favourably to spraying with insecticides.

I recommend that remedial measures be taken in hand as soon as the eggs have been laid.

Spraying has been commenced on the Trafalgar Estate with a manual pump sprayer; but the spray does not reach the leaves of the taller trees.

I am on Thursday or Friday to see experiments with another hand pump which is in Singapore, and also with a motor pump. I anticipate that a motor pump will be necessary.

I suggest that to the equipment of the Botanic Gardens a sprayer and accessory apparatus be added at whatever cost may be necessary; and that for its use in the present outbreak a sum of money for two months work be set aside. It seems that the cost will be:-

for a hand-sprayer about	\$500
for a motor sprayer about	\$1000
for working per mensem about	\$150.

Further details will be sent to you as obtained.

I have the honour to be, Sir,

Your obedient servant,

Director of Gardens, S.S.

7th. November, 1913.

MEASURES TO BE TAKEN against the COCONUT PEST - BRACHARIONA
CAIOXANHA.

Sir,

In continuation of my letter to you dated 5th. November, 1913, I have the honour to inform you that the cost of an efficient spraying machine together with the hose and nozzles, will ^{be} ~~cost~~ one thousand and ninety one dollars delivered in Singapore at once.

A machine of the same pattern was recently bought for use in Perak, by the Director of Agriculture, F.M.S.

Cheaper machines have pumps developing insufficient power for the spraying of tall trees.

I have the honour to be, Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable
the Colonial Secretary,
Singapore.

S.T.J.

OFFICE OF DIRECTOR OF AGRICULTURE,
FEDERATED MALAY STATES,
KUALA LUMPUR.

Received.....

Answered.....

No 4 in 1222/1913.

20th November, 1913.

Dear Burkhill,

Your conclusions about the rubber appear the only ones.

The Entomologist's report on *Brachartona* is as follows:-

" The question of which kind of sprayer to
" get depends on the nature of the country and the
" height of the coconuts which have to be sprayed.
" If the smaller sprayer will reach the desired
" height it is certainly more easily transported.
" As Mr. Burkhill is to see the sprayers working
" there should be no difficulty about this.

" Lead arsenate or Paris green with some
" form of adhesive would be the best insecticide
" to use.

" The fact that Malays are nearly always
" in a very small way renders any remedial measure
" a matter of difficulty unless the whole of the
" cost be borne by Government, and this is hardly to
" be expected.

" If the attack by *Brachartona entoxantha*
has

The Director,
Botanic Gardens,

Singapore.

"has been running for say three months I would sug-
"gest that it be allowed to take its course. It will
"last between 6 and 8 months. I have seen many
"attacks by this insect and unless remedial measures
"are introduced immediately very little good can be
"done while considerable expense may be involved in
"attempting to check the attack".

Yours sincerely,

A. Lewiston - Brown

Director.

Straits Settlements.

ORDINANCE NO. IX OF 1895.

An Ordinance to amend "The Coco-nut Trees Preservation Ordinance 1890."

[21st October, 1895.]

C. B. H. MITCHELL,

Governor and Commander-in-Chief.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. (1)—This Ordinance may be cited as "The Coco-nut Trees Preservation Ordinance Amendment Ordinance 1895." Short title
&c.

(2)—"The Coco-nut Trees Preservation Ordinance 1890" is hereinafter referred to as "the principal Ordinance".

(3)—Any copy of the principal Ordinance printed after the commencement of this Ordinance may be printed with the additions omissions substitutions and amendments required and made by this Ordinance.

2. Section four of the principal Ordinance is hereby repealed and the following section is substituted for it:— Amendment
of section 4
of principal
Ordinance.

"(1)—If any person keeps on his premises dead coco-nut trees or "stumps of coco-nut timber rubbish heaps or other accumulations of "dung vegetable refuse or other matter which would be likely to "harbour or become breeding places for the said beetles and neglects "or refuses to remove or destroy the same when required so to do "by a notice in writing from any of the persons mentioned in the "next following sub-section he shall be liable to a fine not exceeding "twenty-five dollars.

"(2)—A notice in writing under the last preceding sub-section "may be given by any of the following persons namely:—

"(a) The Director of Gardens and Forests.

"(b) Any District Officer.

"(c) Any Officer whom the Governor may appoint in that behalf.

"(d) Any owner or occupier of land planted with coco-nut trees "and situate within one mile of the premises on which "such dead coco-nut trees or stumps or coco-nut timber "or other accumulations of dung vegetable refuse or other "matter are kept.

"(3)—Upon the conviction of any person under this section the "Magistrate may make an order authorising:—

"(a) the Director of Gardens and Forests

"(b) any District Officer

"(c) any Officer appointed to give notice under sub-section (2) "hereof

"(d) any Police Officer

"to cause such trees stumps timber rubbish heaps or other accumula- "tions to be removed and destroyed and any person so authorised "may do all acts necessary for the execution of such order and may "recover the costs of such removal and destruction from the defaulter "in the Court of Requests."

Passed this 21st day of October, 1895.

J. R. INNES,

Acting Clerk of Councils.

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"(d) Any owner or occupier of land planted with coco-nut trees
"and situate within one mile of the premises on which
"such dead coco-nut trees or stumps or coco-nut timber
"or other accumulations of dung vegetable refuse or other
"matter are kept.

"(3)—Upon the conviction of any person under this section the Magistrate may make an order authorising:—

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"(b) any District Officer

"(c) any Officer appointed to give notice under sub-section (2)
"hereof

"(d) any Police Officer

"to cause such trees stumps timber rubbish heaps or other accumulations to be removed and destroyed and any person so authorised may do all acts necessary for the execution of such order and may recover the costs of such removal and destruction from the defaulter in the Court of Requests."

Passed this 21st day of October, 1895.

J. R. INNES,

Acting Clerk of Councils.

Straits Settlements.

ORDINANCE NO. IV OF 1890.

An Ordinance for the protection of coco-nut trees from the ravages of certain beetles.

[6th March, 1890.]

[L. S.] CECIL C. SMITH,
Governor and Commander-in-Chief.

WHEREAS it is expedient to make provisions for the protection of coco-nut trees from the ravages of certain beetles:—

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. This Ordinance may be cited as “The Coco-nut Trees Preservation Ordinance 1890.”

Short title.

2. It shall be the duty of the owner or person in charge of every coco-nut tree which is dead or is attacked by the beetle secondly described in the schedule forthwith to uproot such tree and either to consume it with fire or to bury it in the ground at a depth of not less than three feet or to keep it completely submerged in water so that the beetle and all eggs and larvæ thereof may be totally destroyed and that the tree may not serve as a breeding place for any or either of the beetles in the schedule mentioned.

Duty of owners of coco-nut trees attacked by beetles to uproot and destroy tree.

3. If any person without reasonable excuse (the burden of proof whereof shall lie on the accused) neglects or refuses to perform the duty imposed upon him by the last preceding section he shall be liable to a fine not exceeding five dollars for every tree in respect of which such neglect or refusal occurs and the Director of Gardens and Forests or the District Officer or such other Officer as the Governor may appoint in that behalf may cause to be performed the duty so neglected or refused to be performed and may recover the cost of such performance from the defaulter in the Court of Requests.

Penalty for neglect of duty.

4. If any person keeps on his premises dead coco-nut trees or stumps or coco-nut timber rubbish heaps or other accumulations of dung vegetable refuse or other matter which would be likely to harbour or become breeding places for the said beetles and neglects or refuses to remove or destroy the same when required so to do by a notice in writing from the Director of Gardens and Forests or the District Officer or such other Officer as aforesaid he shall be liable to a fine not exceeding twenty-five dollars and the said Director District Officer or other Officer may cause such trees stumps timber rubbish heaps or other accumulations to be removed or destroyed and may recover the cost of such removal or destruction from the defaulter in the Court of Requests.

Matters which would harbour beetles to be destroyed.

5. All Officers of the Government Gardens and Forest Department and the District Officer and his assistants and any such other Officer as aforesaid shall have access at all reasonable times into and upon any land whereon any coco-nut tree is growing for

Forest Officers to have access to coco-nut plantations and adjacent land.

the purpose of inspecting such tree and also into and upon any land or premises where there is reason to suppose that there are kept any such things as in the last preceding section are referred to.

Compensation
may be given
by Governor.

6. The Governor may from time to time out of moneys to be voted by the Legislative Council make such compensation as he may think fit to any owner of any coco-nut tree who being in needy circumstances is required to destroy such tree: provided always that the compensation shall not exceed five dollars for each tree and that the compensation given in one year to any one person shall not amount to more than one hundred dollars.

Accused may
give evidence.

7. A person charged with an offence against this Ordinance may if he thinks fit tender himself to be examined on his own behalf and thereupon may give evidence in the same manner and with the like effect and consequences as any other witness.

Passed this 6th day of March, 1890.

A. P. TALBOT,
Clerk of Councils.

SCHEDULE.

DESCRIPTION OF BEETLES.

1. *Oryctes rhinoceros* commonly known as the rhinoceros elephant or black beetle and belonging to the group of Lamellicornia.
2. *Rhynchophorus ferrugineus* or red beetle.

Straits Settlements.

ORDINANCE NO. IX OF 1895.

An Ordinance to amend "The Coco-nut Trees Preservation Ordinance 1890."

[21st October, 1895.]

LS

C. B. H. MITCHELL,

Governor and Commander-in-Chief.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. (1)—This Ordinance may be cited as "The Coco-nut Trees Preservation Ordinance Amendment Ordinance 1895." Short title
&c.

(2)—"The Coco-nut Trees Preservation Ordinance 1890" is hereinafter referred to as "the principal Ordinance".

(3)—Any copy of the principal Ordinance printed after the commencement of this Ordinance may be printed with the additions omissions substitutions and amendments required and made by this Ordinance.

2. Section four of the principal Ordinance is hereby repealed and the following section is substituted for it:— Amendment
of section 4
of principal
Ordinance.

"(1)—If any person keeps on his premises dead coco-nut trees or "stumps of coco-nut timber rubbish heaps or other accumulations of "dung vegetable refuse or other matter which would be likely to "harbour or become breeding places for the said beetles and neglects "or refuses to remove or destroy the same when required so to do "by a notice in writing from any of the persons mentioned in the "next following sub-section he shall be liable to a fine not exceeding "twenty-five dollars.

"(2)—A notice in writing under the last preceding sub-section "may be given by any of the following persons namely:—

"(a) The Director of Gardens and Forests.

"(b) Any District Officer.

"(c) Any Officer whom the Governor may appoint in that behalf.

"(d) Any owner or occupier of land planted with coco-nut trees "and situate within one mile of the premises on which "such dead coco-nut trees or stumps or coco-nut timber "or other accumulations of dung vegetable refuse or other "matter are kept.

"(3)—Upon the conviction of any person under this section the "Magistrate may make an order authorising:—

"(a) the Director of Gardens and Forests

"(b) any District Officer

"(c) any Officer appointed to give notice under sub-section (2) "hereof

"(d) any Police Officer

"to cause such trees stumps timber rubbish heaps or other accumula- "tions to be removed and destroyed and any person so authorised "may do all acts necessary for the execution of such order and may "recover the costs of such removal and destruction from the defaulter "in the Court of Requests."

Passed this 21st day of October, 1895.

J. R. INNES,
Acting Clerk of Councils.

No Minutes should be written on this page. A separate half-sheet
to be used if required.

INFORMATIONS FOR IMPORTERS OF PLANTS, CUTTINGS BULBS, TUBERS, SEEDS AND FRUIT.

1. Certificate from the original country.

All sendings of living plants (or living parts of plants), fruit and seeds from abroad (also from Holland) to the Dutch East Indies, except the plants, fruit and seeds undermentioned (sub 3), must be accompanied by a certificate from the country of origin, in which certificate it is declared by the Government expert of that country that the sending is free from diseases and pests.

For post-parcels the certificate must be attached to the custom-declaration, for letters and samples it must be put into the envelope with the letter or sample, for goods it must be sent to the importer or his proxy in the harbour where the inspection.

2. Locality of inspection.

The contents of all letters, samples and post-parcels, subject to inspection, must be indicated clearly and well specified on the letter, the sample, or the custom-declaration. The value must also be indicated clearly and well specified. The inscription „Via Tandjong-Priok (Plants)” or „Via Medan (Plants)” on the letter, the sample or the post-parcel, which inscription was formerly prescribed, is no longer wanted.

For plants and seeds (no fruit) subject to inspection and shipped as goods, the shipping agencies should be requested to stow these goods together with those for Belawan-Deli, if the goods are destined for Belawan-Deli or Sabang or for transshipment in these places, with the exception of plants or seeds, destined for the Residency „Westcoast of Sumatra” (Padang etc.). For all other plants and seeds, which are subject to inspection (including those for the „Westcoast of Sumatra”) the shipping agencies should be requested to stow these goods together with the goods to be unloaded at Tandjong Priok.

Plants and seeds are only inspected in Tandjong-Priok (Batavia) and Belawan-Deli (Medan), fruit is also inspected in Semarang, Soerabaja and Makassar.

3. Exemption from inspection.

The following plants, fruit and seeds are exempted from inspection and need no certificate from the country of origin:

- a. seeds of the vegetables: endive, asparagus, gherkin, eggplant, beet, cabbage, turnip, rape and other seeds of the genus Brassica, celery, chicory, cucumber, garden-cress, lettuce, melon, parsley, pe-tsai or Chinese turniptop, pumpkin, purslane, leek, radish, rhubarb, scorzonera, spinach, tomato, onion, watermelon, carrot, dock;
- b. seeds of the following ornamental plants: Acroclinium, Amarantus, Antirrhinum, Aster, Begonia, Calendula, Canna, Celosia, Centaurea, Chrysanthemum, Clarkia, Clerodendron, Coleus, Coreopsis, Cosmos, Delphinium, Dianthus, Gaillardia, Gerbera, Helianthus, Impatiens, Lathyrus, Myosotis, Nasturtium, Nemesia, Papaver, Petunia, Pentstemon, Phlox, Portulaca, Rudbeckia, Salpiglossis, Salvia, Tagetes, Torenia, Tropaeolum, Viola, Verbena, Zinnia;
- c. the following vegetables for consumption: endive, beet, garlic, cabbage, lettuce, sweet potato, carrot, pe-tsai or Chinese turniptop, purslane, leek, spinach, teki, garden cress, onion, and dock;
- d. all dry seeds for consumption (as almonds, beans, peas, chestnuts, etc.);
- e. coco-nuts without husk;
- f. all plants and seeds addressed to the Director of Agriculture or to the Institute for Plant diseases.

It is therefore to be recommended to send separately the seeds, above mentioned, which are free and need no certificate, and the seeds and plants which are subject to control and must be accompanied by a certificate. On sacks, boxes or envelopes, containing seeds which are free, the names of the seeds must be indicated clearly.

4. Importation of Hevea plants.

The importation from any country of South America of plants or parts of plants (inclusive seeds) of *Hevea brasiliensis* (Pararubbertree) is prohibited.

(Issued by the
Institute for Plantdiseases, Buitenzorg, JAVA,
May 1925).

INFORMATIONS FOR IMPORTERS OF PLANTS, CUTTINGS BULBS, TUBERS, SEEDS AND FRUIT.

1. Certificate from the original country.

All sendings of living plants (or living parts of plants), fruit and seeds from abroad (also from Holland) to the Dutch East Indies, except the plants, fruit and seeds undermentioned (sub 3), must be accompanied by a certificate from the country of origin, in which certificate it is declared by the Government expert of that country that the sending is free from diseases and pests.

For post-parcels the certificate must be attached to the custom-declaration, for letters and samples it must be put into the envelope with the letter or sample, for goods it must be sent to the importer or his proxy in the harbour where the inspection.

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For plants and seeds (no fruit) subject to inspection and shipped as goods, the shipping agencies should be requested to stow these goods together with those for Belawan-Deli, if the goods are destined for Belawan-Deli or Sabang or for transshipment in these places, with the exception of plants or seeds, destined for the Residency „Westcoast of Sumatra” (Padang etc.). For all other plants and seeds, which are subject to inspection (including those for the „Westcoast of Sumatra”) the shipping agencies should be requested to stow these goods together with the goods to be unloaded at Tandjong Priok.

Plants and seeds are only inspected in Tandjong-Priok (Batavia) and Belawan-Deli (Medan), fruit is also inspected in Semarang, Soerabaja and Makassar.

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The following plants, fruit and seeds are exempted from inspection and need no certificate from the country of origin:

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- b. seeds of the following ornamental plants: Acroclinium, Amarantus, Antirrhinum, Aster, Begonia, Calendula, Canna, Celosia, Centaurea, Chrysanthemum, Clarkia, Clerodendron, Coleus, Coreopsis, Cosmos, Delphinium, Dianthus, Gaillardia, Gerbera, Helianthus, Impatiens, Lathyrus, Myosotis, Nasturtium, Nemesia, Papaver, Petunia, Pentstemon, Phlox, Portulaca, Rudbeckia, Salpiglossis, Salvia, Tagetes, Torenia, Tropaeolum, Viola, Verbena, Zinnia;
- c. the following vegetables for consumption: endive, beet, garlic, cabbage, lettuce, sweet potato, carrot, pe-tsai or Chinese turniptop, purslane, leek, spinach, teki, garden cress, onion, and dock;
- d. all dry seeds for consumption (as almonds, beans, peas, chestnuts, etc.);
- e. coco-nuts without husk;
- f. all plants and seeds addressed to the Director of Agriculture or to the Institute for Plant diseases.

It is therefore to be recommended to send separately the seeds, above mentioned, which are free and need no certificate, and the seeds and plants which are subject to control and must be accompanied by a certificate. On sacks, boxes or envelopes, containing seeds which are free, the names of the seeds must be indicated clearly.

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(Issued by the
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May 1925).

Straits Settlements.

ORDINANCE NO. XIII OF 1908.

AN Ordinance to prevent the introduction into the Colony of pests and insects destructive to trees, plants and crops.

[15th September, 1908.]

JOHN ANDERSON,
Governor and Commander-in-Chief.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. This Ordinance may be cited as "The Destructive Pests Ordinance 1908." Short title.

2. The Governor in Council may from time to time make such orders as may to the Governor in Council appear expedient for preventing the introduction into the Colony of any insect, fungus or other pest destructive to agricultural or horticultural crops or to trees or plants and for preventing the spreading in the Colony of any such insect, fungus or other pest. Governor in Council may make orders to prevent introduction of destructive pests.

3. Any such order may prohibit or regulate the landing in the Colony of any tree or plant, or the leaves, branches, stems, roots, seed, or fruit of any tree or plant, or any vegetable substance or other article the landing whereof may appear to the Governor in Council to be likely to introduce such insect, fungus or other pest, and may direct or authorize the treatment or destruction of any such article, if landed. Any such order may also direct or authorize the treatment, removal or destruction of any crop, tree, plant, or substance on which the insect, fungus or other pest in any stage of its existence is found, or by means of which it may appear to the Governor in Council to be likely to spread, and the entering on any lands for the purpose of such treatment, removal or destruction, or for the purpose of any examination or inquiry authorized by the order, or for any other purpose of the order. Order may prohibit importation or authorize treatment or destruction of articles likely to harbour pests.

[Price: 5 cents.]

Orders as to
compensa-
tion.

4. The Governor in Council may from time to time make orders for the payment of compensation in respect of any crop, tree, plant, or other substance destroyed under the provisions of this Ordinance.

Penalty.

5. Any person acting in contravention of any order under this Ordinance shall be guilty of an offence, and shall be liable upon conviction to a fine not exceeding five hundred dollars.

Passed this 11th day of September, 1908.

A. H. LEMON,
Clerk of Councils.

Straits Settlements.

ORDINANCE NO. XIII OF 1908.

AN Ordinance to prevent the introduction into the Colony of pests and insects destructive to trees, plants and crops.

[15th September, 1908.]

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Governor and Commander-in-Chief.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. This Ordinance may be cited as "The Destructive Pests Ordinance 1908." Short title.

2. The Governor in Council may from time to time make such orders as may to the Governor in Council appear expedient for preventing the introduction into the Colony of any insect, fungus or other pest destructive to agricultural or horticultural crops or to trees or plants and for preventing the spreading in the Colony of any such insect, fungus or other pest. Governor in Council may make orders to prevent introduction of destructive pests.

3. Any such order may prohibit or regulate the landing in the Colony of any tree or plant, or the leaves, branches, stems, roots, seed, or fruit of any tree or plant, or any vegetable substance or other article the landing whereof may appear to the Governor in Council to be likely to introduce such insect, fungus or other pest, and may direct or authorize the treatment or destruction of any such article, if landed. Any such order may also direct or authorize the treatment, removal or destruction of any crop, tree, plant, or substance on which the insect, fungus or other pest in any stage of its existence is found, or by means of which it may appear to the Governor in Council to be likely to spread, and the entering on any lands for the purpose of such treatment, removal or destruction, or for the purpose of any examination or inquiry authorized by the order, or for any other purpose of the order. Order may prohibit importation or authorize treatment or destruction of articles likely to harbour pests.

[Price: 5 cents.]

Orders as to
compensa-
tion.

4. The Governor in Council may from time to time make orders for the payment of compensation in respect of any crop, tree, plant, or other substance destroyed under the provisions of this Ordinance.

Penalty.

5. Any person acting in contravention of any order under this Ordinance shall be guilty of an offence, and shall be liable upon conviction to a fine not exceeding five hundred dollars.

Passed this 11th day of September, 1908.

A. H. LEMON,
Clerk of Councils.

Straits Settlements.

ORDINANCE NO. XIII OF 1908.

AN Ordinance to prevent the introduction into the Colony of pests and insects destructive to trees, plants and crops.

[15th September, 1908.]

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[Price : 5 cents.]

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[Price: 5 cents.]

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4. The Governor in Council may from time to time make orders for the payment of compensation in respect of any crop, tree, plant, or other substance destroyed under the provisions of this Ordinance.

Penalty.

5. Any person acting in contravention of any order under this Ordinance shall be guilty of an offence, and shall be liable upon conviction to a fine not exceeding five hundred dollars.

Passed this 11th day of September, 1908.

A. H. LEMON,
Clerk of Councils.

FEDERATED MALAY STATES.

ENACTMENT No. 13 OF 1913.

An Enactment to provide for the Protection of Trees,
Plants and Cultivated Products from Disease and
Pests.

ARTHUR YOUNG,
President of the Federal Council.

[30th July, 1913.]

IT is hereby enacted by the Rulers of the Federated Malay States
in Council as follows:

1. (i) This Enactment may be cited as "The Agricultural Pests
Enactment, 1913," and shall come into force on the publication
thereof in the *Gazette*: provided that sub-section (ii) of section 13
shall not come into force until such date as the Chief Secretary may
by notification in the *Gazette* prescribe in that behalf and that the
operation thereof may from time to time thereafter be suspended by
the Chief Secretary by such notification as aforesaid for such periods
as he may think fit.

Short title,
commencement
and repeal.

(ii) On the coming into force of this Enactment the Enactments
mentioned in the schedule shall be repealed.

2. In this Enactment, unless the context otherwise requires, the
following terms shall have the meanings hereby assigned to them
respectively:

Interpretation.

(i) "Chief Secretary" means the Chief Secretary to Government,
Federated Malay States;

(ii) "Director" means the Director of Agriculture, Federated
Malay States;

(iii) "Diseased" means attacked by or affected with any pest;

(iv) "Inspecting Officer" includes the Director and any officer
appointed under section 3 to be an Inspecting Officer under this
Enactment and also any officer to whom an Inspecting Officer shall
have delegated by writing under his hand the exercise or performance
of any power or duty conferred or imposed by this Enactment on an
Inspecting Officer, to the extent of the powers or duties so delegated;

(v) "Owner" includes, with reference to any land, all persons
registered in any land office or registry of titles as owners or lessees of
such land, and "Occupier" includes, with reference to any land, all
persons in actual occupation or charge thereof;

(vi) "Pest" includes every insect, invertebrate animal, rodent,
plant and fungus which is destructive or injurious, or apt to be
destructive or injurious, to cultivated plants;

(vii) "Plant" means any tree, shrub or vegetation, whether living
or dead, and includes the stem, root, leaf, flower or fruit and any
product or part thereof whatsoever, whether severed or attached;

(viii) "Red beetle" means the beetle designated *rhynchophorus ferrugineus*; and "Rhinoceros beetle" means the beetle designated *oryctes rhinoceros*, commonly known also as the elephant or black beetle and belonging to the group *Lamellicornia*;

(ix) "Supervising Committee" means the committee referred to in section 4.

Appointment of
officers;
delegating
power.

3. (i) The Chief Secretary may from time to time appoint by name or office and when appointed remove so many Inspecting Officers and other officers as he may consider necessary for carrying out the purposes of this Enactment. The appointment of Inspecting Officers shall be notified in the *Gazette*.

(ii) The Chief Secretary may also, if he shall think fit, limit the area within which such officers or any of them shall exercise the powers and perform the duties assigned to them by this Enactment or any rules thereunder.

(iii) With the previous written approval of the Director, which may be given generally or be restricted to specified cases, an Inspecting Officer may by writing under his hand delegate to any officer subordinate to him the exercise and performance of any powers or duties assigned to an Inspecting Officer by this Enactment or any rules thereunder, and such subordinate officer may thereupon exercise and perform the powers and duties so delegated.

(iv) All officers appointed under this section, and all officers to whom powers or duties shall have been delegated under this section when acting within the scope of the powers or duties so delegated, shall be deemed to be public servants within the meaning of the Penal Code.

Supervising
Committee.

4. (i) For the purposes of this Enactment there shall be a Supervising Committee consisting of not less than three persons, of whom one shall be the Director and the others shall be nominated from time to time by the Chief Secretary; of the persons to be so nominated not more than half shall be officers employed in the public service; all nominations under this section shall be notified in the *Gazette*. The Director shall be Chairman of the said Committee.

(ii) Members of the Supervising Committee nominated by the Chief Secretary shall, unless expressly nominated for a shorter term, ordinarily retain their membership thereof for a period of five years but shall be at liberty to resign their membership at any time and may at any time be removed from the Committee by the Chief Secretary by notification in the *Gazette*.

Entry,
inspection
and removal

5. (i) Every Inspecting Officer shall within the area, if any, limited by his appointment have power to enter at all reasonable times with or without assistants upon any land alienated for agricultural purposes or whereon any plants are or have been cultivated and to remain there so long as may be reasonably necessary for the purposes of this section and

(a) to inspect and examine such land and all plants thereon for the purpose of ascertaining whether any of such plants are diseased or whether such land or any plant thereon is in a condition favourable to the introduction or spread of any pest; and

(b) to remove by cutting, digging or otherwise such portions of any plant as he may think expedient to remove for purposes of examination or investigation.

(ii) The owner and occupier of such land shall permit every Inspecting Officer to have access thereto for the said purposes and shall supply to such officer all such information as may be requested by him and may be reasonably necessary for the said purposes.

6. (i) If on or as a result of any inspection or examination of land or plants by an Inspecting Officer it shall appear to such officer that any plant is diseased, such officer may by notice in writing under his hand, addressed to the owner or occupier of the land whereon such plant is, direct him to take within a time to be stated in the notice such measures, either by destruction of such plant or by treatment in a manner to be specified in the said notice of such plant or of any pest whereby such plant is attacked or wherewith it is affected, as may seem to the Inspecting Officer necessary or expedient for the eradication or the prevention of the spread of any pest.

Power to direct destruction or treatment of plants or pests or treatment of land.

(ii) If on or as a result of any inspection or examination of land or plants by an Inspecting Officer it shall appear to such officer that any land or plant is in a condition favourable to the introduction or spread of any pest, such officer may by notice in writing under his hand, addressed to the owner or occupier of the land whereon such condition exists, direct him to take within a time to be stated in the notice such measures as may in the said notice be specified for the treatment of such land or plant with a view to the bringing of the same into a condition not favourable to the introduction or spread of any pest.

7. If any owner or occupier of land on whom a notice under the provisions of section 6 has been served is of opinion that any act or thing required by such notice to be performed or done is unreasonable or unnecessary, he may by an application in writing addressed to the Supervising Committee and despatched by registered post to or otherwise delivered at the office of the Director of Agriculture in Kuala Lumpur within seven days from the service of the said notice and setting forth the grounds on which such application is based apply to the said Committee for an order cancelling or varying the said notice and shall forthwith notify the Inspecting Officer by whom the said notice was signed that the said application has been made. The said Committee may on receipt of such application suspend the operation of the notice or make such other order in the premises as it may think just; provided that if the notice in respect of which an application is made shall have been signed by a member of the Supervising Committee, such member shall take no part in the proceedings of the Committee upon such application; provided further that, pending any order by the said Committee to the contrary, the said notice shall remain in force as if such application had not been made.

Application to Supervising Committee.

8. (i) If any owner or occupier of land on whom a notice under the provisions of section 6 has been served shall fail to comply therewith within such time as may be stated in the notice for the performance of the acts thereby required to be done, the Inspecting Officer may, subject to any order made under section 7 by the Supervising Committee, enter upon the land to which the notice refers and may cause to enter thereon such persons with such instruments and

Enforcement of the action directed.

things as may be necessary and may proceed to perform and do thereon all acts and things required by the said notice to be performed or done, and the cost thereof shall be recoverable from the said owner or occupier by the Director, or any person authorized in that behalf by the Director, by civil suit.

(ii) Nothing in this section contained shall affect any liability of any person to prosecution and punishment under section 9.

Penalty for wilful default.

9. If any owner or occupier of land on whom a notice under the provisions of section 6 has been served shall wilfully neglect to comply therewith within the time therein stated, he shall be liable to fine not exceeding five hundred dollars: provided that no person shall be punishable under this section for neglect to comply with any notice the operation of which shall have been suspended or cancelled by the Supervising Committee under the provisions of section 7, and provided further that, where the said Committee has under the provisions of section 7 made an order varying the terms of any such notice, the notice as so varied shall for the purposes of this section and of section 8 be deemed to be the notice under the provisions of section 6.

Placing land in quarantine.

10. (i) Whenever the Director is of opinion that plants on any land are diseased, he may with the approval of the Resident of the State wherein such land is situate make an order placing such land or any part thereof in quarantine for such period as may be prescribed by the order.

(ii) So long as an order of quarantine applies to any land no person shall remove any plant therefrom except with the permission and under and in accordance with the direction of an Inspecting Officer.

(iii) Any land placed in quarantine under sub-section (i) shall continue in quarantine until the Director shall certify that no plants thereon are diseased.

Application for examination of quarantined area.

11. Any owner or occupier of land quarantined under section 10 may apply to an Inspecting Officer to examine the quarantined area with a view to obtaining from the Director the certificate referred to in sub-section (iii) of section 10, and the Inspecting Officer shall as soon as convenient after receipt of such application visit and examine the said area; provided that every such application except the first shall be accompanied by a deposit of ten dollars towards the cost of such visit and examination, and if the cost thereof shall amount to less than ten dollars the balance remaining after deduction of the said cost shall be refunded to the depositor.

Power to order immediate destruction of plants.

12. If in the opinion of the Director the destruction of any diseased plant is a matter of necessity and extreme urgency, he may forthwith make an order in writing directing the immediate destruction of such plant by any person referred to in the order, and the said plant shall be destroyed accordingly and the cost of such destruction, if incurred by any person other than the owner or occupier of the land whereon such diseased plant was, shall be defrayed by such owner or occupier.

13. (i) Whenever locusts in the stage in which they are known as hoppers appear on any land, the occupier or if there be no occupier the owner thereof shall, so soon as he becomes aware that such locusts have appeared thereon, forthwith

Locusts.

(a) give notice thereof in writing or otherwise to an Inspecting Officer or at the nearest Land Office or Police Station, with such particulars as may be prescribed by rule under this Enactment, and

(b) use his utmost endeavours immediately to destroy the locusts, and

(c) carry into effect all instructions given to him in that behalf by an Inspecting Officer.

(ii) Any expenditure incurred by an owner or occupier in the destruction of locusts which is certified as reasonable by an Inspecting Officer shall, subject to the approval of the Resident of the State in which such destruction of locusts was effected, be recoverable by him from public funds.

(iii) Every person who shall commit a breach of the provisions of this section shall be liable to fine not exceeding one hundred dollars.

14. Any person who shall wilfully drive or abet the driving of locusts in the stage in which they are known as hoppers off land owned or occupied by any person on to other land owned or occupied by a different person shall be liable to fine not exceeding five hundred dollars unless he prove to the satisfaction of the Court that growing crops on the land off which the locusts were driven were in danger from them and that in driving them off such land he used his utmost endeavours to destroy them and did not drive them towards the growing crop of any other person.

Driving of locusts.

15. (i) It shall be the duty of every owner of coconut trees which are attacked by beetles to clear the trees of beetles within one month from the service upon him of a notice in that behalf signed by a Collector or Assistant Collector having authority under "The Land Enactment, 1911," in the place where such trees are situated.

Duty of owners of coconut trees attacked by beetles.

(ii) It shall be the duty of the owner or person in charge of every coconut tree which is dead or is attacked beyond recovery by the rhinoceros beetle or the red beetle forthwith to uproot such tree and either to consume it with fire or to bury it in the ground at a depth of not less than three feet so that the beetle and all eggs and larvæ thereof may be totally destroyed and that the tree may not serve as a breeding place for rhinoceros beetles or red beetles.

(iii) If any person without reasonable excuse (the burden of proof whereof shall lie on him) neglects or refuses to perform any duty imposed upon him by this section, he shall be liable to fine not exceeding two dollars for every tree in respect of which such neglect or refusal occurs, and any such officer as is in section 16 referred to may cause to be performed the duty so neglected or refused to be performed and may recover the cost of such performance by civil suit from the person so neglecting or refusing as aforesaid.

16. (i) All coconut trees in every mukim shall be periodically inspected by the penghulu of the mukim, who shall report to a Collector or Assistant Collector having authority under "The Land

Inspection of coconut trees by penghulu.

Enactment, 1911," in the place where such trees are situated or to such other officer as the Resident of the State may by notification in the *Gazette* appoint in that behalf such trees as are infected with rhinoceros beetles or red beetles; any Collector or Assistant Collector having authority as aforesaid or any other officer appointed as aforesaid may order that any coconut tree infected with rhinoceros beetles or red beetles be cleaned or cut down or be burned or buried in the manner prescribed in section 15, and the penghulu of the mukim wherein such tree is situated shall see that such order is carried out.

(ii) The duties assigned by this section to penghulus of mukims shall in any mukim for which there is no penghulu be performed by such native officer as may be directed by such Collector or Assistant Collector as aforesaid to perform the said duties.

Compensation
for destruction
of coconut trees.

17. In any State the Resident may from time to time make such compensation as he may think fit to any owner of a coconut tree who, being in needy circumstances, is required to destroy such tree: provided that the compensation in respect of any one tree shall not exceed five dollars and that the compensation given in one year to any one person shall not exceed one hundred dollars.

Destruction of
matter likely to
harbour beetles.

18. If any person keeps on his premises dead coconut trees or stumps, coconut timber, rubbish heaps, accumulations of dung, vegetable refuse or other matter likely to harbour or become breeding places for rhinoceros beetles or red beetles and neglects or refuses to remove or destroy the same when required so to do by a notice in writing from any such officer as is in section 16 referred to, he shall be liable to fine not exceeding one hundred dollars and any such officer as is in section 16 referred to may cause such trees, stumps, timber, rubbish heaps or other accumulations to be removed or destroyed and may recover the cost of such removal or destruction by civil suit from the person so neglecting or refusing as aforesaid.

Access to coco-
nut plantations,
etc.

19. All District Officers, all officers appointed under "The Land Enactment, 1911," and all officers appointed by the Resident of any State by notification in the *Gazette* to exercise any powers under section 16 shall within the areas over which their powers extend have access at all reasonable times into and upon any land whereon any coconut tree is growing for the purpose of inspecting such tree and also into and upon any land or premises where there is reason to suppose that there are kept any such things as in section 18 are referred to.

Compensation.

20. Subject to the provisions of section 17, no owner or occupier of land shall be entitled to compensation for any expense incurred or damage occasioned by any order given or act done in pursuance of the provisions of this Enactment or any rule thereunder unless such damage were occasioned maliciously and without reasonable cause; but the Chief Secretary may, in his discretion, order that such compensation as he may think fit be paid to the owner or occupier of any land who is required to destroy as a measure of precaution any plant thereon not being diseased. No application for compensation shall be entertained unless it be in writing and be received in the office of the Chief Secretary within three months from the date of the notice requiring the destruction of such plant, and in no case shall compensation be paid in excess of the actual value of the plant destroyed at the date of such notice; if any question arise as to such actual value, the decision of the Director thereon shall be final and conclusive.

21. (i) The Chief Secretary may from time to time make rules for preventing the introduction of pests into the Federated Malay States or any part thereof and for preventing the spread of pests therein. Such rules may provide, amongst other things, for

Rules.

- (a) prohibiting the landing in the Federated Malay States from places outside the said States of any plant or animal the landing of which may appear to the Chief Secretary to be likely to introduce any pest ;
- (b) the treatment or destruction of any plant or animal which has been landed and of the packages, cases, pots or coverings in which the same may be packed.

Any such rule may be absolute or subject to such conditions and exceptions as may be expressed therein and may apply to the introduction of plants or animals either generally or from any specified place.

(ii) The Chief Secretary may also from time to time make rules for fully and effectually carrying out and giving effect to the various provisions and powers in this Enactment contained. Such rules may provide for

- (a) the powers and duties of officers appointed under section 3 ;
- (b) the convening of meetings of the Supervising Committee and the conduct of the business thereof ;
- (c) the manner of entry upon lands under the provisions of this Enactment and the notice, if any, to be given prior to such entry ;
- (d) the conduct of examinations and inspections of plants and of other proceedings authorized by this Enactment ;
- (e) the notification by owners and occupiers of land of any plant found to be diseased ;
- (f) the form of orders, applications and certificates under this Enactment ;
- (g) all other matters connected with the enforcement of this Enactment.

(iii) All rules made under this section shall be published in the *Gazette* and shall thereupon have the force of law.

(iv) Any person contravening the provisions of any rule made and published under this section shall be liable to fine not exceeding five hundred dollars.

Penalty for breach of rule.

(v) An Inspecting Officer or any subordinate officer acting under the directions of an Inspecting Officer may destroy or cause to be destroyed any plant introduced into the Federated Malay States in contravention of any rule made and published under this section.

22. (i) When any notice is required by this Enactment to be given to the owner or occupier of any land, such notice addressed to the owner or occupier may be served in manner following, that is to say—

Service of notices.

- (a) if the owner or occupier of such land be within the State wherein such land is situate, the notice may be delivered to him or left with some adult member of his family (other than a servant) residing with him within such State ;

(b) if the notice cannot be served in the manner described in clause (a) or if the owner or occupier be not resident within the State wherein the land is situate, it may be sent by registered post addressed to him at his residence in any part of the Federated Malay States or in the Colony;

(c) if the notice cannot be served in the manner described in clause (a) or clause (b) or if there be no known owner or occupier of such land, the notice may be put up on some conspicuous place on the said land.

(ii) It shall not be necessary in any such notice to name the owner or occupier if the land to which the notice relates is therein referred to.

(iii) Every such notice shall be in the English language and also, if the person for whom it is intended be an Asiatic not known to understand the English language, in such other language as may in the opinion of the officer signing the notice be likely to render it intelligible to such Asiatic; provided that no notice shall be deemed to be bad or insufficient by reason merely of the language wherein the same is rendered.

Penalty for
misuse of
material.

23. Whenever the Government shall have supplied any material free of charge for the prevention or eradication of any pest, any person who shall wilfully appropriate or use the same for any purpose other than that for which the said material was supplied shall be liable to fine not exceeding two hundred and fifty dollars.

General
penalty.

24. Every person who shall commit any breach of the provisions of this Enactment for the breach whereof no penalty is otherwise expressly provided shall be liable to fine not exceeding two hundred dollars.

Proceedings to
be authorized
by Director.

25. No proceedings shall be instituted in any Court against any person under any provision of this Enactment other than sections 15 and 18 except with the written authority of the Director.

Provisions
regarding
actions.

26. (i) No action shall be brought against any person for anything done, or *bonâ fide* intended to be done, in the exercise or supposed exercise of the powers given by this Enactment or by any rules made thereunder

(a) without giving to such person one month's previous notice in writing of the intended action and of the cause thereof;

(b) after the expiration of three months from the date of the accrual of the cause of action;

(c) after tender of sufficient amends.

(ii) In every action so brought it shall be expressly alleged that the defendant acted either maliciously or negligently and without reasonable or probable cause, and if at the trial the plaintiff shall fail to prove such allegation judgment shall be given for the defendant.

(iii) Though judgment shall be given for the plaintiff in any such action, such plaintiff shall not have costs against the defendant unless the Court, before which the action is tried, shall certify its approbation of the action.

THE SCHEDULE.
ENACTMENTS REPEALED.

State.	No. and year.	Short title.
Perak ...	3 of 1898	Coconut Trees Preservation Enactment, 1898
Selangor ...	4 "	" "
N. Sembilan ...	10 "	" "
Pahang ...	11 "	" "

KUALA LUMPUR:

Printed by the Superintendent, Government Printing Department, F.M.S.

1913.

*Published in the Federated Malay States Government Gazette
of August 1, 1913, No. 38, Vol. V, Notification No. 2244.*

FEDERATED MALAY STATES.

“THE AGRICULTURAL PESTS ENACTMENT, 1913.”

IN exercise of the powers vested in him by section 1 (i) of “The Agricultural Pests Enactment, 1913,” the Chief Secretary to Government hereby prescribes the 1st day of August, 1913, as the date upon which sub-section (ii) of section 13 of the said Enactment shall come into force.

KUALA LUMPUR:

Printed by the Superintendent, Government Printing Department, F.M.S.

1913.

Straits Settlements.

ORDINANCE NO. XIII OF 1908.

AN Ordinance to prevent the introduction into the Colony of pests and insects destructive to trees, plants and crops.

[15th September, 1908.]

JOHN ANDERSON,
Governor and Commander-in-Chief.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. This Ordinance may be cited as "The Destructive Pests Ordinance 1908." Short title.

2. The Governor in Council may from time to time make such orders as may to the Governor in Council appear expedient for preventing the introduction into the Colony of any insect, fungus or other pest destructive to agricultural or horticultural crops or to trees or plants and for preventing the spreading in the Colony of any such insect, fungus or other pest. Governor in Council may make orders to prevent introduction of destructive pests.

3. Any such order may prohibit or regulate the landing in the Colony of any tree or plant, or the leaves, branches, stems, roots, seed, or fruit of any tree or plant, or any vegetable substance or other article the landing whereof may appear to the Governor in Council to be likely to introduce such insect, fungus or other pest, and may direct or authorize the treatment or destruction of any such article, if landed. Any such order may also direct or authorize the treatment, removal or destruction of any crop, tree, plant, or substance on which the insect, fungus or other pest in any stage of its existence is found, or by means of which it may appear to the Governor in Council to be likely to spread, and the entering on any lands for the purpose of such treatment, removal or destruction, or for the purpose of any examination or inquiry authorized by the order, or for any other purpose of the order. Order may prohibit importation or authorize treatment or destruction of articles likely to harbour pests.

[Price: 5 cents.]

Orders as to
compensa-
tion.

4. The Governor in Council may from time to time make orders for the payment of compensation in respect of any crop, tree, plant, or other substance destroyed under the provisions of this Ordinance.

Penalty.

5. Any person acting in contravention of any order under this Ordinance shall be guilty of an offence, and shall be liable upon conviction to a fine not exceeding five hundred dollars.

Passed this 11th day of September, 1908.

A. H. LEMON,
Clerk of Councils.

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[Price: 5 cents.]

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26. No proceedings shall be instituted in any Court against any person under any provision of this Ordinance other than sections 16 and 19 except with the written authority of the Director. Proceedings to be authorized by Director.

27. The Coconut Trees Preservation Ordinance, 1890 is hereby repealed. Repeal. Ordinance IV of 1890.

OBJECTS AND REASONS.

This Bill gives power to control the introduction and spread of pests injurious to cultivation.

2. Amongst these powers is the power—

- (a) to prohibit the landing in the Colony of any plant or animal which may be likely to introduce any pest ;
- (b) to treat or destroy any plant or animal which has been landed and any package, case, etc., in which it may be packed ;
- (c) to enter on cultivated land and examine its condition and the plants thereon for the purpose of ascertaining whether any of the plants are diseased or whether the land or any plant thereon is in a condition favourable for the introduction or spread of any pest ;
- (d) to make orders as to the treatment or destruction of plants and, in default of obedience, to do the work and recover from the defaulter the expense thereof ;
- (e) to make orders placing any land, on which there are diseased plants, in quarantine for such period as is ordered.

3. The officers to be appointed under clause 3 for carrying out the purposes of the Bill will perform their duties under the directions of the Director of Agriculture, Federated Malay States.

4. Special provisions aiming at the extermination of locusts are contained in clauses 13 to 15 of the Bill.

5. The provisions of the Coconut Trees Preservation Ordinance 1890 are incorporated in the Bill and the Ordinance is repealed.

G. AUBREY GOODMAN,
Attorney-General, S. S.

ATTORNEY-GENERAL'S CHAMBERS,
SINGAPORE, 29th January, 1918.

A BILL

intituled

AN Ordinance to provide for the Protection of Trees,
Plants and Cultivated Products from Disease and Pests.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1.—(1) This Ordinance may be cited as the Agricultural Pests Ordinance, 1918.

Short title,
commence-
ment and
repeal.

(2) Subsection (2) of section 14 shall not come into force until such date as the Governor by notification in the *Gazette* prescribes in that behalf, and the operation thereof may from time to time thereafter be suspended by the Governor by such notification as aforesaid for such periods as he thinks fit.

2. In this Ordinance, unless there is something repugnant in the subject or context—

Interpreta-
tion.

"Director" means the Director of Agriculture, Federated Malay States;

"Diseased" means attacked by or affected with any pest;

"Inspecting Officer" includes the Director and any officer appointed under section 3 to be an Inspecting Officer under this Ordinance and also any officer to whom an Inspecting Officer has delegated by writing under his hand the exercise or performance of any power or duty conferred or imposed by this Ordinance on an Inspecting Officer, to the extent of the powers or duties so delegated;

"Owner" includes, with reference to any land, all lessees or tenants of such land, and "Occupier" includes, with reference to any land, all persons in actual occupation or charge thereof;

"Pest" includes every insect, invertebrate animal, rodent, plant and fungus which is destructive or injurious, or apt to be destructive or injurious, to cultivated plants;

"Plant" means any tree, shrub or vegetation, whether living or dead, and includes the stem, root, leaf, flower or fruit and any product or part thereof whatsoever, whether severed or attached;

"Red beetle" means the beetle designated *rhynchophorus ferrugineus*; and "Rhinoceros beetle" means the beetle designated *oryctes rhinoceros*, commonly known also as the elephant or black beetle and belonging to the group *Lamellicornia*;

"Supervising Committee" means the committee referred to in section 4.

Appointment
of officers;
delegating
power.

3.—(1) The Governor may from time to time appoint by name or office and when appointed remove so many Inspecting Officers and other officers as he considers necessary for carrying out the purposes of this Ordinance. The appointment of Inspecting Officers shall be notified in the *Gazette*.

(2) The Governor may also, if he thinks fit, limit the area within which such officers or any of them shall exercise the powers and perform the duties assigned to them by this Ordinance or any rules thereunder.

(3) With the previous written approval of the Director, which may be given generally or be restricted to specified cases, an Inspecting Officer may by writing under his hand delegate to any officer subordinate to him the exercise and performance of any powers or duties assigned to an Inspecting Officer by this Ordinance or any rules thereunder, and such subordinate officer may thereupon exercise and perform the powers and duties so delegated.

(4) All officers appointed under this section, and all officers to whom powers or duties have been delegated under this section when acting within the scope of the powers or duties so delegated, shall be deemed to be public servants within the meaning of the Penal Code.

Supervising
Committee.

4.—(1) For the purposes of this Ordinance there shall be a Supervising Committee consisting of not less than three persons, of whom one shall be the Director and the others shall be nominated from time to time by the Governor; of the persons to be so nominated not more than half shall be officers employed in the public service; all nominations under this section shall be notified in the *Gazette*. The Director shall be Chairman of the said Committee.

(2) Members of the Supervising Committee nominated by the Governor shall, unless expressly nominated for a shorter term, ordinarily retain their membership thereof for a period of five years but shall be at liberty to resign their membership at any time and may at any time be removed from the Committee by the Governor by notification in the *Gazette*.

5.—(1) Every Inspecting Officer shall within the area, if any, limited by his appointment have power to enter at all reasonable times with or without assistants upon any land alienated for agricultural purposes or whereon any plants are or have been cultivated and to remain there so long as is reasonably necessary for the purposes of this section and

Entry,
inspection
and removal.

(a) to inspect and examine such land and all plants thereon for the purpose of ascertaining whether any of such plants are diseased or whether such land or any plant thereon is in a condition favourable to the introduction or spread of any pest; and

(b) to remove by cutting, digging or otherwise such portions of any plant as he thinks expedient to remove for purposes of examination or investigation.

(2) The owner and occupier of such land shall permit every Inspecting Officer to have access thereto for the said purposes and shall supply to such officer all such information as is requested by him and is reasonably necessary for the said purposes.

6.—(1) If on or as a result of any inspection or examination of land or plants by an Inspecting Officer it appears to such officer that any plant is diseased, such officer may by notice in writing under his hand, addressed to the owner or occupier of the land whereon such plant is, direct him to take within a time to be stated in the notice such measures, either by destruction of such plant or by treatment in a manner to be specified in the said notice of such plant or of any pest whereby such plant is attacked or wherewith it is affected, as seem to the Inspecting Officer necessary or expedient for the eradication or the prevention of the spread of any pest.

Power to
direct des-
truction or
treatment of
plants or
pests or
treatment of
and.

(2) If on or as a result of any inspection or examination of land or plants by an Inspecting Officer it appears to such officer that any land or plant is in a condition favourable to the introduction or spread of any pest, such officer may by notice in writing under his hand, addressed to the owner or occupier of the land whereon such condition exists, direct him to take within a time to be stated in the notice such measures as are in the said notice specified for the treatment of such land or plant with a view to the bringing of the same into a condition not favourable to the introduction or spread of any pest.

Application to
Supervising
Committee.

7.—(1) If any owner or occupier of land on whom a notice under the provisions of section 6 has been served is of opinion that any act or thing required by such notice to be performed or done is unreasonable or unnecessary, he may by an application in writing addressed to the Supervising Committee and despatched by registered post to or otherwise delivered at the office of the Director of Agriculture in Kuala Lumpur within seven days from the service of the said notice and setting forth the grounds on which such application is based apply to the said Committee for an order cancelling or varying the said notice and shall forthwith notify the Inspecting Officer by whom the said notice was signed that the said application has been made.

(2) The said Committee may on receipt of such application suspend the operation of the notice or make such other order in the premises as it thinks just; provided that if the notice in respect of which an application is made has been signed by a member of the Supervising Committee, such member shall take no part in the proceedings of the Committee upon such application; provided further that, pending any order by the said Committee to the contrary, the said notice shall remain in force as if such application had not been made.

Enforcement
of the action
directed.

8.—(1) If any owner or occupier of land on whom a notice under the provisions of section 6 has been served fails to comply therewith within such time as may be stated in the notice for the performance of the acts thereby required to be done, the Inspecting Officer may, subject to any order made under section 7 by the Supervising Committee, enter upon the land to which the notice refers and may cause to enter thereon such persons with such instruments and things as may be necessary and may proceed to perform and do thereon all acts and things required by the said notice to be performed or done, and the cost thereof shall be recoverable from the said owner or occupier by the Director, or any person authorized in that behalf by the Director, by civil suit.

(2) Nothing in this section contained shall affect any liability of any person to prosecution and punishment under section 9.

Penalty for
wilful default.

9. If any owner or occupier of land on whom a notice under the provisions of section 6 has been served wilfully neglects to comply therewith within the time therein stated, he shall be liable to fine not exceeding five hundred dollars: provided that no person shall be punishable under this section for neglect to comply with any notice the operation of which has been suspended or cancelled by the Supervising Committee under the provisions of section 7, and provided further that, where the said Committee has under the provisions of section 7 made an order varying the terms of any such notice, the notice as so varied shall for the purposes of this section and of section 8 be deemed to be the notice under the provisions of section 6.

10.—(1) Whenever the Director is of opinion that plants on any land are diseased, he may with the approval of the Resident of the Settlement wherein such land is situate make an order placing such land or any part thereof in quarantine for such period as is prescribed by the order.

Placing land
in quarantine.

(2) So long as an order of quarantine applies to any land no person shall remove any plant therefrom except with the permission and under and in accordance with the direction of an Inspecting Officer.

(3) Any land placed in quarantine under subsection (1) shall continue in quarantine until the Director certifies that no plants thereon are diseased.

11. Any owner or occupier of land quarantined under section 10 may apply to an Inspecting Officer to examine the quarantined area with a view to obtaining from the Director the certificate referred to in subsection (3) of section 10, and the Inspecting Officer shall as soon as convenient after receipt of such application visit and examine the said area; provided that every such application except the first shall be accompanied by a deposit of ten dollars towards the cost of such visit and examination, and if the cost thereof amounts to less than ten dollars the balance remaining after deduction of the said cost shall be refunded to the depositor.

Application
for examina-
tion of
quarantined
area.

12. If in the opinion of the Director the destruction of any diseased plant is a matter of necessity and extreme urgency, he may forthwith make an order in writing directing the immediate destruction of such plant by any person referred to in the order, and the said plant shall be destroyed accordingly and the cost of such destruction, if incurred by any person other than the owner or occupier of the land whereon such diseased plant was, shall be defrayed by such owner or occupier.

Power to
order imme-
diate destruc-
tion of plants.

13.—(1) Every Inspecting Officer shall within the area, if any, limited by his appointment have power

Entry for
inspection or
action with
regard to
locusts' eggs
and locusts.

(a) to enter at all reasonable times with or without assistants upon any land and to remain there so long as is reasonably necessary for the purpose of ascertaining whether any locust's eggs or any locusts in the stage in which they are known as hoppers are in or upon such land;

(b) to enter with or without assistants and with such instruments and things, if any, as he deems necessary upon any land on or in which there are any locust's eggs or any locusts in the stage in which they are known as hoppers and to take and cause to be taken thereon any action, whether by means of poison or of mechanical apparatus or otherwise howsoever, which he deems proper

for the destruction of such eggs or locusts; provided that where the powers mentioned in this paragraph are exercised in pursuance of authority delegated under section 3 (3) the action to be taken for the destruction of eggs or locusts shall be restricted to such action as has been expressly authorized in writing by the delegating officer.

(2) No person shall obstruct or interfere with any thing done or in course of being done under the provisions of this section.

Duty of owner or occupier on appearance of locusts' eggs or hoppers.

14.—(1) Whenever locusts' eggs are found or locusts in the stage in which they are known as hoppers appear on any land, the occupier or if there be no occupier the owner thereof shall, as soon as he becomes aware that such eggs have been found or such locusts have appeared thereon, forthwith

(a) give notice thereof in writing or otherwise to an Inspecting Officer or at the nearest Land Office or Police Station, with such particulars as are prescribed by rule under this Ordinance; and

(b) use his utmost endeavours immediately to destroy the eggs or locusts, as the case may be; and

(c) carry into effect all instructions given to him in that behalf by an Inspecting Officer; and

(d) render all assistance in his power towards carrying out any action taken or directed by an Inspecting Officer for the purpose of destroying the eggs or locusts and, in particular, place at the disposal of the Inspecting Officer, on demand, for such period not exceeding one week as the Inspecting Officer requires, so many of the labourers, if any, employed by him on the land whereon such action is or is to be taken, or on any other land owned or occupied by him which is distant not more than three miles by direct measurement from the land whereon such action is or is to be taken, as the Inspecting Officer requires, not exceeding one-half of the total number so employed.

(2) Any owner or occupier who places labourers at the disposal of an Inspecting Officer in pursuance of the provisions of paragraph (d) of subsection (1) shall be entitled to recover from public funds in respect of every such labourer whose services have been utilised by the Inspecting Officer such amount as is from time to time prescribed by rule under section 22; and any other expenditure incurred by an owner or occupier in the destruction of eggs or locusts which is certified as reasonable by an Inspecting Officer shall, subject to the approval of the Resident of the Settlement in which such

destruction of eggs or locusts was effected, be recoverable by him from public funds.

(3) Any person who commits a breach of the provisions of this section shall be liable to fine not exceeding two hundred and fifty dollars.

15. Any person, who wilfully drives or abets the driving of locusts in the stage in which they are known as hoppers off land owned or occupied by any person on to other land owned or occupied by a different person, shall be liable to fine not exceeding five hundred dollars unless he proves to the satisfaction of the Court that growing crops on the land off which the locusts were driven were in danger from them and that in driving them off such land he used his utmost endeavours to destroy them and did not drive them towards the growing crop of any other person.

Driving of
locusts.

16.—(1) It shall be the duty of every owner of coconut trees which are attacked by beetles to clear the trees of beetles within one month from the service upon him of a notice in that behalf signed by a Collector or Deputy Collector of Land Revenue in the place where such trees are situated.

Duty of
owners of
coconut trees
attacked by
beetles.

(2) It shall be the duty of the owner or person in charge of every coconut tree which is dead or is attacked beyond recovery by the rhinoceros beetle or the red beetle forthwith to uproot such tree and either to consume it with fire or to bury it in the ground at a depth of not less than three feet so that the beetle and all eggs and larvæ thereof may be totally destroyed and that the tree may not serve as a breeding place for rhinoceros beetles or red beetles.

Sections
2 and 3 of
Ordinance IV
of 1890.

(3) Any person who without reasonable excuse (the burden of proof whereof shall lie on him) neglects or refuses to perform any duty imposed upon him by this section, shall be liable to fine not exceeding two dollars for every tree in respect of which such neglect or refusal occurs, and any such officer as is in section 17 referred to may cause to be performed the duty so neglected or refused to be performed and may recover the cost of such performance by civil suit from the person so neglecting or refusing as aforesaid.

17.—(1) All coconut trees in every mukim shall be periodically inspected by the Penghulu of the mukim, who shall report to a Collector or Deputy Collector of Land Revenue in the place where such trees are situated or to such other officer as the Resident of the Settlement may by notification in the *Gazette* appoint in that behalf such trees as are infected with rhinoceros beetles or red beetles.

Inspection of
coconut trees
by Penghulu.

(2) Any Collector or Deputy Collector as aforesaid or any other officer appointed as aforesaid may order that any coconut tree infected with rhinoceros beetles or red beetles be cleaned or cut

down or be burned or buried in the manner prescribed in section 16, and the Penghulu of the mukim wherein such tree is situated shall see that such order is carried out.

(3) The duties assigned by this section to penghulus of mukims shall in any mukim for which there is no penghulu be performed by such native officer as may be directed by such Collector or Assistant Collector as aforesaid to perform the said duties.

Compensation for destruction of coconut trees.
Section 6 of Ordinance IV of 1890.

18. The Governor may from time to time make such compensation as he thinks fit to any owner of a coconut tree who, being in needy circumstances, is required to destroy such tree: provided that the compensation in respect of any one tree shall not exceed five dollars and that the compensation given in one year to any one person shall not exceed one hundred dollars.

Destruction of matter likely to harbour beetles.
Section 4 of Ordinance IV of 1890.

19. Any person who keeps on his premises dead coconut trees or stumps, coconut timber, rubbish heaps, accumulations of dung, vegetable refuse or other matter likely to harbour or become breeding places for rhinoceros beetles or red beetles and neglects or refuses to remove or destroy the same, when required so to do by a notice in writing from any such officer as is in section 17 referred to, shall be liable to fine not exceeding one hundred dollars, and any such officer as is in section 17 referred to may cause such trees, stumps, timber, rubbish heaps or other accumulations to be removed or destroyed and may recover the cost of such removal or destruction by civil suit from the person so neglecting or refusing as aforesaid.

Access to coconut plantations, etc.
Section 5 of Ordinance IV of 1890.

20. All District Officers, all Collectors and Deputy Collectors of Land Revenue and all officers appointed by the Resident of any Settlement by notification in the *Gazette* to exercise any powers under section 17 shall within the areas over which their powers extend have access at all reasonable times into and upon any land whereon any coconut tree is growing for the purpose of inspecting such tree and also into and upon any land or premises where there is reason to suppose that there are kept any such things as in section 19 are referred to.

Compensation.

21.—(1) Subject to the provisions of section 18, no owner or occupier of land or other person shall be entitled to compensation for any expense incurred or damage occasioned by any order given or act done in pursuance of the provisions of this Ordinance or any rule thereunder unless such damage were occasioned by negligence or maliciously and without reasonable cause; but the Governor may, in his discretion, order that such compensation as he thinks fit be paid to the owner or occupier of any land who is required to destroy as a measure of precaution any plant thereon not being diseased.

(2) No application for compensation shall be entertained unless it is in writing and is received in the office of the Colonial Secretary within three months from the date of the notice requiring the destruction of such plant, and in no case shall compensation be paid in excess of the actual value of the plant destroyed at the date of such notice.

(3) If any question arises as to such actual value, the decision of the Director thereon shall be final and conclusive.

22.—(1) The Governor may make rules for preventing the introduction of pests into the Colony or any part thereof and for preventing the spread of pests therein. Such rules may provide, amongst other things, for

Rules.

Ord. XIII
of 1908.

(a) prohibiting the landing in the Colony from places outside the Colony of any plant or animal the landing of which may appear to the Governor to be likely to introduce any pest;

(b) the treatment or destruction of any plant or animal which has been landed and of the packages, cases, pots or coverings in which the same may be packed.

Any such rule may be absolute or subject to such conditions and exceptions as may be expressed therein and may apply to the introduction of plants or animals either generally or from any specified place.

(2) The Governor may also make rules for fully and effectually carrying out and giving effect to the various provisions and powers in this Ordinance contained. Such rules may provide for

(a) the powers and duties of officers appointed under section 3;

(b) the convening of meetings of the Supervising Committee and the conduct of the business thereof;

(c) the manner of entry upon lands under the provisions of this Ordinance and the notice, if any, to be given prior to such entry;

(d) the conduct of examinations and inspections of plants and of other proceedings authorized by this Ordinance;

(e) the notification by owners and occupiers of land of any plant found to be diseased;

(f) the form of orders, applications and certificates under this Ordinance;

(g) all other matters connected with the enforcement of this Ordinance.

(3) All rules made under this section shall be published in the *Gazette* and shall thereupon have the force of law.

Penalty for
breach of
rule.

(4) Any person contravening the provisions of any rule made and published under this section shall be liable to fine not exceeding five hundred dollars.

(5) An Inspecting Officer or any subordinate officer acting under the directions of an Inspecting Officer may destroy or cause to be destroyed any plant introduced into the Colony in contravention of any rule made and published under this section.

Service of
notices.

23.—(1) When any notice is required by this Ordinance to be given to the owner or occupier of any land, such notice addressed to the owner or occupier may be served in manner following:—

(a) if the owner or occupier of such land is within the Settlement wherein such land is situate, the notice may be delivered to him or left with some adult member of his family (other than a servant) residing with him within such Settlement;

(b) if the notice cannot be served in the manner described in paragraph (a) or if the owner or occupier is not resident within the Settlement wherein the land is situate, it may be sent by registered post addressed to him at his residence in the Colony or in any part of the Federated Malay States;

(c) if the notice cannot be served in the manner described in paragraph (a) or paragraph (b) or if there is no known owner or occupier of such land, the notice may be put up on some conspicuous place on the said land.

(2) It shall not be necessary in any such notice to name the owner or occupier, if the land to which the notice relates is therein referred to.

(3) Every such notice shall be in the English language and also, if the person for whom it is intended be an Asiatic not known to understand the English language, in such other language as may in the opinion of the officer signing the notice be likely to render it intelligible to such Asiatic; provided that no notice shall be deemed to be bad or insufficient by reason merely of the language wherein the same is rendered.

Penalty for
misuse of
material.

24. Whenever the Government has supplied any material free of charge for the prevention or eradication of any pest, any person who wilfully appropriates or uses the same for any purpose other than that for which the said material was supplied shall be liable to fine not exceeding two hundred and fifty dollars.

General
penalty.

25. Every person who commits any breach of the provisions of this Ordinance for the breach whereof no penalty is otherwise expressly provided shall be liable to fine not exceeding two hundred dollars.

Coconut
Inspection
Malacca

on shell

F 34733

F 24/23

Col. Secy: 4137/19

From Whom	Colonial Secretary
Place	S.
Date	21 / 4 / 19

SUBJECT.

Ordinance relating to diseases of Cocoanut

Trees

Transfer of the powers of the above ordinance to
the Director of Agriculture, F.M.S.

Connected Papers.

MINUTES.

D. of G.

Will you please say how this matter at present
stands

Intld. Ec.H.W.

C.S.

I am awaiting instructions. The Cocoanut inspectors
in Singapore and Malacca are still working under me. The
Director of Agriculture knows this and tells me how absolutely
he is without men to take over the work of "Inspecting Officer"
I advise you to leave things as they are until you can
better them definitely.

Sd. I.H.Burkill

30.4.19

please ascertain what officers Mr. Burkill has and what the
provision is in the Estimates. I suppose that the Agricul.

Dept. can take them over.

Intld. W.G.M.

D. of G.

Please say.

E.C.H.W.

C.S.

Report of Coconut trees, Singapore	360.
his coconut crop	120
do Malacca	288
his coconut crop	120
do Alor Gajah	180
Coconut hus preservation	
S	210
M.	300

12 5.4.

Indulgent

No Minutes should be written on this page. A separate half-sheet
to be used if required.

A.C.S.

Under the Ordinance relating to diseases of Cocoanut Trees is the Director of Gardens now the officials or have the powers been taken over by the D. of A. F.M.S?

Intld. W.G.M.

C.S.

Yes.

Intld. E.C.H.W.

A.C.S.

I am not quite sure which of my two question is being answered.

Intld. E.C.H.W.

C.S.

I am sorry. The ordinance attached takes the powers from the D. of G. and gives it to the D. of A. and his officers.

Intld. E.C.H.W.

A.C.S.

Thanks - I am not quite sure about this - Mr. Burkill used to be in charge of cocoanuts under an ordinance and had some Inspectors and some votes- Please make certain.

Intld. W.G.M.

From Whom

Director of Gardens
S.

Place

Date

28-1-19

SUBJECT.

Allowance to the Coconut Tree
Inspector for nights spent in the remote
villages of his charge

Connected Papers.

MINUTES.

D. of S.

Para: 1 of letter Dec. 12th with regard to the
villages you mention, I suppose the allowance would
be drawn if the Inspector spent a night in a
village not included in your list but equally far
distant from his centre e.g. Sungai Sepunt.

7-4-19

C.S.

I had not intended so. The edge of Sungai
Sepunt is 9 miles from Alor Gajah.

Sungai Bharu Belu is about the same. Rather
than put in Sungai Sepunt, I would include Sungai
Bharu Belu.

I do not want to make it necessary
to sleep at Lubok China for instance: but I

would prevent the Inspector from having a cause for not working through the Court machine. Pauphalan Malak way.

General order for every night that he sleeps away from his house?

Intld W.S. Sec.
10-2-19

The amount of money available without exceeding the vote will pay for my proposal.

C.S.

It is of minor importance whether S. Phare Jelu be in or out of the list

Ad. J. H. Parkhill
8-2-19

C.S.

So long as the Inspector is restricted to the machines mentioned there will be no difficulty, but if he is required to spend a night in a machine not included in the list but equally far distant from Alor Gajah the question will doubtless come up again. Would it not be better to make a general rule so that there can be no question in the future

Just as it has been found simplest to pay a fixed allowance to Jellid the senior inspector at the rate of \$10 per. for the six months work he does in the Central division & \$15 per. for the six months work which he does in the Jasin division so it seems simplest to divide the Alor Gajah Division into two parts the interior & the Coast or the home machines & the Coast.

The Collector of Land Revenue Malacca ~~does~~ does the paying the D. O. Alor Gajah certifying the bills. As my intention is to make work simple for these officers perhaps you may like to consult them.

Intld. 10-2-19

D. of S.

Ad. J. H. Parkhill
6-2-19

But why should he not get the ordinary allowance under the R. R.

For your views please

Intld.
20-2-19

Es.

I have spoken to Mr.

Perkell about this & also referred
to the D. O. A. B.

Twenty eight at 20 cents a night
every two months means \$28 a
month. It is better for to pay \$28
a month regularly & to the man
he is expected to do the work.

It may be on one occasion be
necessary for him to spend 10 nights
months in the coast missions &
on another occasion to spend
30 & figure 20 is merely a
night working estimate.

Intld L. P. P.
26.2.19

Es.

Recommendations in
(2) approved.

Intld W. S. M.
27.2.19

D. of B.

R. M.

Treasurer

And General

to vote

Ad: R. M. M.
28.2.19

D.O. Alor fajah

Can you please inform
the man - heat Sep
his Badan of this
allowance: and his
duty for it.

G.S. 44. Amendments

0.49.

Ym. 9 will explain to him. Is
the allowance to date from 1.1.19
✓ 1.3.19 ?

P.
7/3/19.

D.O. Alor fajah

Up to date June 1.1.19
if he is spending the
nights are required - in
the coast missions.

G.S. 44. Amendments

0.49.

and - I will have to
see who you say he has
done whether he did
spend the necessary number
of nights in those missions

C
18/3/19.

12th. December, 1918

PROPOSES THAT AS A MATTER OF EQUITY THE INSPECTOR OF COCONUT TREES, ALOR GAJAH, SHOULD RECEIVE MORE THAN HIS BICYCLE ALLOWANCE FOR LONG JOURNEYS.

Sir,

I have the honour in regard to the arrangement made in file Gardens 1873/1916 that the Inspector of Coconut Trees, Alor Gajah, should draw a bicycle allowance of ten dollars monthly, to refer to General Orders 70 (5) where the range of a bicycle is laid down at ten miles, and to suggest that in equity seeing that it can be done without altering the sum voted, this inspector should be allowed ^{twenty} ~~ten~~ dollars per night for each night spent in the course of his work within any one of the following seven mukims, - Kuala Linggi, Sungai Bharu Ulu, Sungai Bharu Ilir, Sungai Bharu Tengah, Kuala Sungai Bharu, Remuan China Besar, and Remuan China Kecil, which are those most remote from Alor Gajah village where he reports.

2. The senior Inspector who is stationed in Malacca town draws a fixed allowance for his six months in the Malacca or Central Division of ten dollars per month and for his six months in the Jasin Division of fifteen dollars per month. My new proposal puts the senior Inspector into a similar position. But on account of the distribution of Coconuts, while I require the time of the Senior Inspector to be divided equally between the ^{divisions} ~~halves~~ of his charge, I shall require the junior Inspector to spend the night of twenty working days

Sioux

put of every two months in the meter making of his
charge, from the commencement of next year.

3. If the men be kept to their times, the vote of
\$300 is sufficient.

4. I approach you with this proposal after consulting
the District Officer, Alor Gajah, to whom the MINAH junior
Inspector reports, and the Collector of Land Revenue, Malacca
who disturbs the vote.

I have the honour to be,

Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable

the Colonial Secretary,

Singapore

MEMORANDUM.

From

To

Botanic Gardens
Singapore

27 July 1918

Dear Sherwood

I take it that the Crown's respective
Expenditure in future will be

For Dullah - ^{three} two periods of 3 months in Central
@ 10 per. - 60

^{three} ~~two~~ periods of 3 months in Jasin
@ 15 per. - 90

For new man bicycle allowance @ 10 per. - 20
270

Against which \$300 is budgeted.

I should like O'Mahoney to work in
periods of 2 months, for the whole life
history of the Red weevil is assigned
in 3 months, and inspection must ^{be} ^{made}
concluded within its period: the ^{work} ^{done}
may accumulate.

300

To

797

James M. Smith

from the land.

[Faint handwritten notes at the bottom of the page]

... ..

in 10 for added. 2

۵۰. تالیف و تصانیف : مسیحی و غیر مسیحی

... 15 of ... District

when working ~~central~~ + H 15

when the A. B. C. goes to work. Delah
says he has work to do at home & if he
goes there & is now drawing his \$15. until the
work is over - there will be no difference in the
expense.

2. Revising all I am arranging through the

resident.

I have been thinking of you ever since I saw you
 last night. I hope you are well. I have been
 very busy lately. I have been thinking of you
 ever since I saw you last night. I hope you are
 well. I have been very busy lately. I have been
 thinking of you ever since I saw you last night.

20.10.17
KNCAR 10

District Office

Alor Gajah, 19th October, 1917.

Sir,

In reply to your letter of the 27th September I have the honour to inform you that Mat Sap, the Inspector of Coconuts, states that he was born on the 25th of March 1894.

I have the honour to be,

Sir,

Your obedient servant,

C. D. H. G.
Ag: District Officer

The Director of Gardens, S.S.,

Singapore.

DRAFT.

FAIR COPY }
SIGNED BY }

DATED { 27. 1. 1891.

To

SIR,

I have the honour
to ask what orders have
been since upon my
letter dated Dec. 12th
1890, wherein request
was made ^{on behalf of} ~~for permission~~
to the Crowned Trees
Inspector at Aln Jafala
for permission to draw
an allowance for night
duty ~~and~~ in
the remittance of
his charges
Yours
Truly

L. O. 493/1918.

Land Office,

It is requested that the above number should be given in reply to this letter.

Malacca, th 11th December, 1918.

Sir,

I have the honour to report that Amidolah bin Musah Sub-Inspector of Cocoanuts, Central and Jasin Districts, has applied for an increase in his allowance.

2. The vote concerned is on page 91 of the 1918 Estimates Item 17 Travelling and Personal Allowances Malacca \$300. It seems to have been omitted entirely from the 1919 estimates. It is under 1919.

3. My paper as to the allowance to be drawn by the Alor Gajah Sub-Inspector went to you on 8th November, 1918.

4. Amidolah ^{argues} ~~agrees~~ that he wastes time and does less efficient work by having to cycle out to the further mukims (Tanjong Kling, Bukit Rambai and Tanjong Minyak, Tangga Batu and Sungei Udang) do his work and cycle back to Malacca again the same night.

5. He asks for a uniform rate of \$15 a month whether in Jasin or the Central District.

6. I cannot recommend this but would suggest that, if possible, he be allowed to sleep out 6 nights during each month in the Central District.

7. The first month he would inspect the hold ^{ings} and on the result of this inspection then Notice Server (approved for next year) would serve notices.

The second month he would ^{re-}inspect to see if these had been complied with.

8. The additional cost would be 36 nights at 20 cents a night or \$7-20 for the year.

The Director of Gardens,
SINGAPORE.

I have the honour to be,
Sir,

Your obedient servant,

Permanah Bani
By: Collector of Land Revenue.

(500—8/15.)

L. O. 493/1918.

It is requested that the above number
should be given in reply to this letter.

21.12.18
Land Office,

Malacca, 18th December, 1918.

Dear Mr. Burkill,

Thank you for your letter of the 12th instant and
for information as to the vote.

As usual with this class of subordinate Amin Dolah
waited until just too late before making a move.

Yours sincerely

Norman K. Davis

I.H. Burkill Esqr.,

Director of Gardens,

SINGAPORE, S. S.

From Whom	Dy. Collector of Land Revenue, Malacca
Place	Malacca
Date	31st. March, 1918

L. O. M.
330
1918

SUBJECT.

PAY of the Coolie who works for
the Coconut Tree Inspector.

Connected Papers.

MINUTES.

(1) Resignation of Ahim bin Hassan, coolie reported

(2) Replied that Dollah's work had become bad, and that I thought he made no real use of his coolie.

(3) Dy. Collector suggested that Dollah can carry on without a coolie if penghulus and sedangs help.

(4) Dollah's work has much improved; and as it hardly seems right to ask penghulus and sedan to help in the serving of notices, I suggest that he have again a coolie who will be primarily a notice server. Memo from Tampin to Dy Collector

(5) Mr. Bain, Dy Collector suggests that there be an Inspector appointed for Jasin instead.

Against this must be brought the argument that only in 1916 did we lighten Dollah's work and

then on an understanding that it was a trial for three years, a consequence of unusual conditions.

If, as I said in 1926, Dollah had been a moderately satisfactory fair-weather pilot up to 1916, the conditions justifying three inspectors would have to be far worse than now. Therefore or work I cannot justify the proposal.

But I can justify the proposal to raise the cooly's pay. What does a process server get in Malacca Malacca?

My instructions to Dollah are two months in Malacca, and two months in Jasin alternately.

M. S. Sullivan

31.5.1917

D. of G.

I had not seen the previous correspondence. I agree it is too early to suggest a third inspector as yet.

2) They are paid under the Scheme for process ^{B. P.} \$120 - \$12 - \$168 p.a.
R 7.6.18

Application made to C.S. for
addition ^{up to \$120} of the
rate to be provided for them.
R 7.6.18

No Minutes should be written on this page. A separate half-sheet
to be used if required.

ca.

Received 17-5-18

Answered.....

L. O. 271/1918.

It is requested that the above number should be given in reply to this letter.

Land Office,

Malacca, 16th MAY, 1918.

Sir,

With reference to the appointment of a coolie for the Coconut Inspector, I have the honour to suggest that if the man is not particularly wanted for tree climbing, would it not be possible and more satisfactory to keep Amin Delah in the Central District and appoint a new Inspector for Jasin District.

2. It does not make for efficiency to have the Inspector reporting now to me and now to the District Officer Jasin.

3. Your letter contemplates raising the pay-that of Amin Delah's post is \$180/- p.a. rising by five triennial increments to \$360/- p.a..

4. Taking your figures of work done as given under the heading "Other Charges- Coconut Inspection in your annual report it would appear that if there is enough ~~xxxxxxxxxxxx~~ work for one man in Alor Gajah there is enough for more than two in the Central Districts.

I have the honour to be,

Sir,

Your obedient servant.

Germaniah Khan

Collector of Land Revenue.
Malacca.

Director of Gardens,
Singapore.

(500—7/16.)

Received 2.4.17
Answered

Land Office,

L. O. 82/1917

It is requested that the above number should be given in reply to this letter.

Malacca, 31st MARCH, 1917.

Sir,

With reference to your letter of the 14th March regarding Dollah's assistant, I have the honour to inform you that Dollah should be able to manage all right without a cooly to assist him provided the penghulus and sidangs will assist in serving his notices.

I will arrange this.

I have the honour to be,

Sir,

Your obedient servant

M. S. S.

Dy: Collector of Land Revenue

The Director of Gardens

S. S.

SINGAPORE

(500—7/16.)

L. O. 82/1917

It is requested that the above number should be given in reply to this letter.

Land Office,

Matacca, MARCH, 1917.

Sir,

I have the honour to report that the Coconut Inspector's coolie, Ahim bin Hasan has resigned and I am unable to obtain the services of any one else on the pay offered \$8. per month.

2. I do not think it will be possible to get any one here for less than \$10. a month.

I have the honour to be,

Sir,

Your obedient servant

W. E. S.

Collector of Land Revenue

The Director of Gardens

SINGAPORE

14th. March, 1917

Sir,

I have the honour to acknowledge the receipt of your letter L.O.82/1917 informing me that the cooly employed to assist the Coconut Inspector, Dollah bin Amin, has resigned. As I could not find out how he earned his pay, I was ^{not} ready ~~not~~ to recommend any increase when he applied for one a few months ago; and I am not now prepared to recommend that another should be engaged until Dollah can show that he has need of one, and will use one properly.

My own belief is that the cooly for some time past has had two trades. If not he is a near relation and retainer of Dollah. This I cannot prove.

I should value your advice as to the position.

I have the honour to be, Sir,

Your obedient servant,

Director of Gardens, G.S.

The Collector of Land Revenue,
Malacca.

Botanic Gardens, Singapore,
STRAITS SETTLEMENTS.

191

30th. August, 1910

Dear Lee-Warner,

On Feb. 1st., last, I observed a few hundred yards beyond the fork of the roads at Boman a number of felled young coconuts swarming with the Red Weevil. They had been newly cut out of rubber by the owner a man named AhChuang. I took his name from his address, informed them that the trunks should be destroyed, and at Malacca (on the 24th 2nd. I believe) saw Sherwood, gave him particulars, and asked him to see that Dollah was instructed to make sure that the trunks plus beetles were destroyed.

You will understand that I was not a little disappointed to observe on August 31st that not a single particle had been touched. I am more than disappointed; I am annoyed, because the case was one of those upon which I went to the Colonial Secretary for sanction to appoint an additional Coconut Inspector.

The trunks as they lie on the ground now, show that a very considerable number of beetles have been let go abroad from them into the countryside.

I should like to know what Dollah has to say, and even if he did not receive orders from Sherwood, why he has not discovered the trunks for himself, as no one can pass up and down the road

in daylight without seeing them; and he must have
passed that way several times since the trees
were felled.

I am writing separately to the P.W.D. to make
them mend their (in this ^{of accused hunter} matter) atrocious ways: for
it is hardly to be expected that Dollak could compel
their compliance with the act. They are breeding bees
in many spots about Jasin, Kandang and Padang Gahang.
If it comes to having to finish their work for them,
I think that Dollak's bees might be lent to them.

Sincerely yours,

22nd. November, 1916

My dear Lee-Warner,

I am sorry that I could not see you again yesterday: but I did not dare to miss the 2.25 train, as there is no other until 7.30: and I returned from Benban rather late.

The result of the trip was black beetle grubs everywhere from Malacca to Kandang and up the gasin road as far as it is level; red beetle in rubber plantations where the mixed coconuts had been cut out. And as I told you, grubs of the black beetle and the red beetle down Keen Cheng road.

Could you please see that Dollah serves a notice on every owner of land on either side of Keen Cheng Road upon whose land stumps and trunks lie: and that he does the same all through Malacca town. I observe that when he reports at office, he does no other work. He can have plenty of time on the days when he reports to go about Malacca town ascertaining the names of holders of land where trunks lie, and getting out notices.

On the other days of the coming month, he must attend to the mixed rubber and coconut plantation throughout the whole of the two districts of which he has charge. And wherever coconuts have been cut out, he is to insist on the cleaning up. He knows exactly what

is wanted for he examined two holdings yesterday in which the owners had been removing coconut from the mixed plantation leaving all but the top to breed red beetles, and he saw the BHHH evidence of the production of great numbers of the beetles.

You remember that he gets a computed travelling allowance. I think that he is trespassing on that convenience and is not travelling. I want evidence in his diary that he does travel. Is it not possible to get the police to countersign his diary, say at Merlimau or Batu Lendang or Durian Tunggal? If you think that anything can be done I will ask your Police officer to permit it. You might please advise me.

I want evidence also in his Diary what the scoly does. I have been asked to consider that scoly's pay and I refused because I have no knowledge that he works. I should like him to go out with Dollah, the two both searching: one can take one side of the road the other the other side. I do not at the present want any trees climbing: but what I want is all the young topped coconuts which owners are cutting out of rubber removing, splitting into shreds so that the beetles find the tissue too dry to live on. The scoly presumably has eyes and can find the palms to be shredded as intelligently as Dollah.

I told Dollah to write his diary more fully and to state in it where he finds beetle grubs. I gave him an entry as a pattern, but I had not time to work out of him what he knew about the owners.

Do you think that you could have the Diary posted to me for examination in about three weeks? And during those three weeks the slow coach must run about through the rubber plantations in a way in which he has never done before. He can leave the Kampungs away from the rubber, alone for the present, not because they do not need attention, but because the beetles in them are mostly the less dangerous black beetle; and if I can get the plantations dealt with, I will arrange a campaign through the kampungs for the dry weather.

Request No. 6

As regards this campaign, what do you think of the idea of using pergaulan thus. It, we will suppose, is determined that Dollah shall inspect Sabatu on March 1st and 2nd. About Feb. 14th the pergaulan will get a letter saying that his kingdom will be inspected on March 1st and 2nd, and will be please instruct the owners of Coconut lands that they should destroy all coconut trunks lying about dead, before that date. On the proper date Dollah will inspect, and he will get out notices on all whose land is dirty within the act, giving every man the same period within which to comply, at the conclusion of which ^{in one day, so as to have time} he will prosecute all offenders. That done the Kampung will have rest for six weeks. Whether we can so use the pergaulan or cannot, I mean to regulate Dollah's work into systematic rounds as soon as I can.

Dollah has a mistaken notion that if the P.W.D. cuts down a tree, he can do nothing. The act says "he who keeps on his land", and the owner of the land is responsible. He must serve notices on the owners in all such cases, but conversely on the P.W.D. if they allow owners to use their roadsides as dumping ground

fastly please sign none of the notices which say that
the land is in an unfit condition: they are illegal. Instead
every notice should relate to something kept on the land,
whether dead coconut tree or trunks or manure or
tapica refuse or dead kahong trunks or dead sage trunks.

Sincerely yours

J.M.S.

24th. November, 1916

Dear Morten,

On the day after my visit to Aler Gajah, I took the Inspector of Coconut Trees in Malacca out to Benban to see his work; and I found it atrocious. I fear that he was an unfit person to be entrusted with the training of the Coconut-inspector stationed at Aler Gajah. I am arranging that the Malacca man's diary should be sent to me in about three weeks time: and write to you to ask if Rasip's diary may be sent to me too.

During the interval Rasip is to do his utmost to allow no dead young coconuts to remain in places where owners have cut off their tops to kill them out of rubber plantations, and he is to serve notices on all who keep kabong trunks lying about.

I saw Rasmussen after leaving you, and he undertook as soon as he could get labour to attend to the coconuts and sage palms on his estate: and I said that from my part I would get the dead kabong palms removed from his border. Therefore I want Rasip please to go up to Pegoh and entering from the Serpang Ampat road to notify the owners there that they must remove and destroy the dead kabong trunks. He must be thorough at each place, so as not to multiply visits: and all notices should require compliance within the same period

at the end of which he will visit again and proceed
to Surunga.

If the standing dead kabonga are felled now
their destruction may perhaps be accomplished in the
dry period when it comes.

Sincerely yours,

F.J. Horton Esq.

D.O. Alor Gajah.

From Whom

Place

Date

Former Papers.

MINUTES.

Final Paper.

D.G.

There are enclosed - \$8 a month
 is an allowed pay. Any one in Malacca
 can earn \$12 a month. + for a man
 to work for \$8. ~~Stones~~ is in the force of it;
 a very suspicious business. In the
 interests of business principles I
 think the pay should be raised to \$14 1/2
 annum.

Wes
 31.5.46.

C.R.M.

I agree that the pay is very
 small: but I have another point
 in connection with the man which
 I want first to decide - is, whether

does he do?

Here in Singapore
there is a cool attached
to the Inspector of
Coconuts under the
idea that his services
are necessary for tree
climbing, and I find
that he rarely climbs
a tree.

I am experimenting
with my man here to
see if I can make use
of him for felling out
diseased trees: he
works independently &
makes a return to the
Inspector.

Would you please ask
the S. of Coconuts to
point out the cool's
daily routine: or else
let the car wait until
I can visit Malacca
which will be fairly soon.

May I write

2.6.16.

For Inspector of Coconuts. 15/6/16
Singapore.

20.7.

This man's duties are

1. Climbing.

2. Working in the
service of others.

3. When the C.I. goes
on rounds to man

follows, detains, &

and generally when

various duties are

to be done - This

man works. Yours

5/7/16.

No Minutes should be written on this page. A separate half-sheet
to be used if required.

S. C. R.

Beaver Ahim bin Hasan
is a Cook to the Inspector
of Cocanur - bñs. He is
drawing \$96 per annum
Since the date of his appoint-
ment i.e. 1.6.1913. He
asks that he be given an
increase in 1917. I think he
deserves it.

31.5.16

Botanic Gardens, Singapore,
STRAITS SETTLEMENTS.

27th September, 1917

191

Sir,

I have the honour to ask if you would be so good as to ascertain for me the date of the birth of the Inspector of Orchard Trees, Dohah bin Ali, as early as may be ascertainable.

I am, Sir,

Yours obedient servant,

Director of Gardens, S.S.

The Collector of Land Revenue,

Malacca

D.R.

He says his about 47 or 48
No record of him but can be
found in the Registry.

W.R.

3.X.

Gardens 5164/408

From Whom

Sg G.

Place

Date

SUBJECT.

Coconut Inspection Malacca.

Suggests that the employment of the second
Inspector be extended for another 3 years.2 That the pay of the only who assists
the Senior Inspector be increased to \$10 per

Connected Papers.

1873-16

MINUTES.

R.M.

Referred for your views please

18.6.18 R. M. L.

C.S.

I agree with the proposals of the
Director of gardens. The 2nd Inspector is
never likely to be done away with.

3.7.18. L.P.W.

C.S.

Approved! R.C. 5.7.18

Yrs. J. J. James. 5.7.18.

Sgt.

To note R.C.

C.S.

Noted J.S.

No Minutes should ~~be~~ written on this page. A separate ha sheet
to be used if required.

BOTANIC GARDENS

Singapore, 17th. June 1913

Sir,

In preparation for the Budget Estimates 1919, I have the honour to address you upon Coconut Tree inspection in Malacca firstly to suggest that the employment of the second Inspector sanctioned in 1875/1916 be extended for another three years, secondly to ~~propose~~ recommend that the pay of the cooly who assists the senior Inspector be adjusted to existing conditions.

2. In 1875/16 in consequence of the local lack of interest in coconuts and their destruction for rubber, it became desirable to appoint a second Inspector who took charge of the Alor Gajah division: and the expenditure necessary was sanctioned for the period of three years. These three years will terminate in 1919 his work has been satisfactory, and the country side of his division is cleaner; but there is need for retaining him, as profits are low from coconuts and the owners only keep them clean under compulsion. I suggest that the post of Inspector should be sanctioned for another three years.

3. The senior Inspector in charge of the two divisions central and Jasin, has a cooly to assist him. The pay of the cooly as sanctioned by the Budget has been but eight dollars per mensem, a sum now hopelessly inadequate; and the post is empty. As the work required is chiefly serving notices, I suggest that the cooly

The Hon'ble

The Colonial Secretary S.S.

Singapore

should get not less than the minimum pay of a
process-server i.e. \$10 per mensem.

4. I ask your sanction therefore:-

i. to provide for the Alor Gajah inspection
throughout 1919 and infact for another three
years at \$180 one hundred and eighty dollars
per annum

ii. to provide for cooly's pay at \$120 one hundred
and twenty dollars per annum.

I have the honour to be

Sir,

Your obedient servant

Director of Gardens S.S.

The Hon'ble

The Colonial Secretary S.S.

Singapore.

Gardens 1843
1916

From Whom

Dir. of Gardens

Place

S

Date

13.3.16

Appointment of an additional Inspector of Coconuts in
 Malacca

L.O.M. 219/1916.

Former Papers.

MINUTES.

Final Paper.

R. M.

Referred

Hd R.C. 14.3.16

The Director of Gardens Spoke to me about this matter when he was recently in Malacca. Last year the Inspector served 500 Notices, took out 72 Summons and \$89 odd was paid in fines. Beside this a large number of heaps of palm trunk & fragments of worm-eaten trunks were destroyed. 282 dead trees were felled & burnt. I think the proposal should be approved.

Hd L.E.P. W

Y.E

15.3.16

Approve the appointment of another Inspector on \$180 per annum (Commencing salary)?

Hd H.G. M

16.3.16

approved if the I.C. agree

Std. J. Young 17.3.16

Approved by I.C.

Std. J. M. P. 28.3.16

D of G

To make approval

30.3.16

CS.

letter

MS

3.4.16.

but the Inspector has
that a man might be
suggested on \$180, to
advise that I would see
about an extension for
travelling when required.

3.4.16.

MS

D of G.

The present Inspector draws a fixed
allowance of \$120. Is the new man to
draw a similar allowance.

Std. L. E. P. H. 4.4.16.

R. M.

I have no record telling me when
or by a fixed allowance was determined

for the present Inspector. If it is more
convenient to you administratively
to pay by fixed allowance I will
suggest it. Please let me know your
wishes.

Std. J. H. Brinkley 17.3.16

ag. C. L. R.

For observations. I should think
the new Inspector ought to have a \$20
bicycle allowance or a \$10 allowance
simply for transport.

Std. L. E. P. W. 7.4.16

R. M.

There is easily work for two men here
I would recommend a \$10 bicycle allowance
in preference to anything else. The bicycle
will I think be most efficient method of
transport in this case.

Std. W. S. B. 8/4/16

Director of Gardens

I agree with the ag. C. L. R. Shall we
look out for a man on the salary fixed
to a \$10 bicycle allowance?

Std. L. E. P. W. 10.4.16

R. M.

Here I believe that the vote suffices: it
is \$200 out of which the first Inspector of
Accounts draws \$120 and a fixed allowance

No Minutes should be written on this page. A separate half-sheet
to be used if required.

and the \$80 left will give ten dollars
per man per month for the months May - Dec

If I am incorrect please inform me
I will ask for a sufficient grant for 1917
in due time

Sd. J. H. Burkill 12/4/16

ag. C. L. R.

Referred

Sd. L. E. P. W. 14.4.16

R. M.

I do not think the Dy S's minute is
entirely correct.

The present Inspector of Coco nuts
draws \$10 when working in the Central
District - but \$15 when working in
Mor-Gajah or Jasin.

For the first three months of the year
he has been working in the Central.

He ought to spend 4 months in each

District - (it is now actually working in

Mor-Gajah) which works out to \$150 per
annum

2. The balance remaining will there-
fore not be enough.

Sd. J. H. Burkill 12/4/16

J. J. G. G. G.

For information

With two more I presume you will
make Malacca H. quarters for both & direct

one man to do one half the other to do the

half

F 34/111

R. M.

Noted.

I kept this back with reference to the
necessary extension of the vote for travelling
expenses.

I recommend that for the present the Senior
Inspector take the Central & Jasin subdivisions
the Junior Mor-Gajah.

But first the Junior must understand
his work by training under the Senior.

Then he must begin to show in A. S.
where the heaviest work lies.

Sd. J. H. Burkill 17.5.16

O. C. T.

Has the vote been entered?

Sd. L. E. P. W. 19.5.16

Resident

Not yet.

Sd. W. H. M. 19.5.16

ag. C. L. R.

To see.

Sd. L. E. P. W. 20.5.16

R. M.

Seen

2. Has the Junior Inspector been appointed
yet. that is subject to extension of vote?

Sd. S. 22/5/16

ag. C. L. R.

Not so far as I know

Sd. L. E. P. W. 22/5/16

R. M.

noted

Std. Q.S. 24.5.16

L. G.

What is going on in this matter?

Std. L. E. P. W. 24.6.16

R. M.

The entertainment of the second Suspt.
has been sanctioned (file Gard: 1873.16
under date 17.3.16)

On 3.4.16 having got this sanction
I wrote to you to ask if you could get a
man on \$180 & said that I would see about
extension of travelling expenditure vote later
You told me kindly under date 8.6.16
what expenditure had been to the end of
May, and basing my calculations on
that I have asked for the extension of
the vote by \$30 (dolls thirty-)

Ed. J. H. Purdie

27.6.16

File 1873, 916 rec'd from
CS. with warrant to
pay Mohamed. Spt his
Badr. from 17th July 1916
sum payable \$150 p.m.

Minute paper No.

Sheet No.

R.M.

Could you please let
me know the amount
incurred for travelling
expenses of both inspectors
of Crown trees that I
may furnish the for
Statement referred
under G.O. 110 (a)

J.H. Burkell

5.5.16.

D of I.

Regarding the extension of this year's vol.
please comply with G.O. 110.

J.H. R.C. 29.5.16

C.S.

Herewith Statement, By delay in finding
the Second Inspector & of later accounts
it appears that \$30. not \$80 will suffice

J.H. J.H. Burkell

28.6.16

D. of I.

Referred

C.S.

1.8.16

R.M.

Dated and forwarded

7.6.16

D. of I.

Referred: There is
only one inspection to
be made

C.S.

8.6.16

1916

Botanical Gardens - Museum.

Travelling and Personal Allowance : \$ 200.

Amount incurred :-

Travelling allowance of one Inspector
January to March @ \$ 10 a month : \$ 30. Central
April - May " 15 " 30. Jaisi
Total \$ 60

Anticipated Expenditure

June or July @ \$ 15 a month = \$ 30. Jaisi
August - November " 15 " = 60 Alor Gayah
December 10 " = 10 Central

\$ 100
+ 60
\$ 160

\$ 200 - 160 = \$ 40 saving.

Grant for Travelling and Personal Allowances 200

Expenditure to the end of May 1st inspector.. 60

Ditto from 1st June to end of year..... 100

160

160

160

Allowance to the second inspector @ \$10
per mensem for seven months.....

70

Required for the whole year

230

DEFICIT..... 30

29th June, 1916.

APPOINTMENT OF AN ADDITIONAL INSPECTOR OF
COCONUTS, MALACCA.

Sir,

I have the honour to acknowledge the receipt of your letter no. 3663/16 dated 28th. June, 1916: and I beg to ask for orders in connection with it.

The appointment of the second Inspector of Coconuts, Malacca, was approved with date of March 17th. 1916 (Garden's 1873/1916). As he cannot inspect without travelling I asked for the means of paying for ~~this~~ to the end of the year: but the extension of the vote is not approved (your letter under reference).

Would you prefer that I should postpone the appointment of the second Inspector until such time as I can see my way to meet the cost of his travelling from the amount of the savings on the travelling of the first inspector; or are you willing that I should later seek permission to draw from one of the other heads in my budget, out the Government estate, for the means?

I recommend the second course.

I have the honour to be, Sir,

Your obedient servant,

Cy 8 the R.M.
F34/115

H.M.L.

It is requested that the following number be quoted in the reply to this letter.

No. 3863/16.

Colonial Secretary's Office,

Singapore, 28th June, 1916.

Sir,

In reply to your letter of the 26th May, 1916, I am directed to inform you that the extension of the rate for Travelling and Personal allowance applied for by you is not approved.

2. \$300- may be entered in the Draft Estimates for next year.

I have the honour to be,

Sir,

Your obedient servant,

Colonial Secretary,
Straits Settlements.

The Director of Gardens,

S I N G A P O R E.

Minute paper No.

Sheet No.

Sir,

I have the honour to refer to the file
 Gards 1873/1516 in order to ask that
 the ~~Travelling~~ grant for Travelling expenses
 in Malacca (Ct. Estimates p. 89 item
 16 M \$200) may be extended to ~~thirty~~
 Eighty dollars (\$80).

This extension is necessary because
 the travelling bills of the second trip
 of accounts thereunder are appended: and
 the money rests with the Malacca
 Treasury.

I have further to ask that the
 amount of \$300 may be entered with
 the budget estimate for 1877 when its
 preparation is undertaken on the
 same account.

Yours

Dohah does
not. + Josen.

Then I think he should
go ~~to~~ near Gayah.

I suggest this course
as grounded like him
to work under my eye
at first. I have more
leisure to attend to
him than the D.O.s have.
I want him to be properly
trained in field, office
+ court work before he

as is usual with other
Sons; appointments?

on the question of
probation - ~~stipend~~
he should work in the
central with admin
Donah for three weeks
to get to know all the
"wrinkles" of the business.
Then I think he should
spend a further 2
months in the central
alone, while admin

goes on his own + I
venture to think that
my programme offers
him a chance of a good
training.

Court work is important
here - as I know our
radi planning. But for
fear of it no Malay here
would ever do anything.

May I hope an early
reply saying whether you
agree - about the
policy.

Yours sincerely
W. S. Shinn

Gardner 1875
1916

18th. March, 1916

RECOMMENDING the APPOINTMENT of an additional
INSPECTOR OF COCONUTS in MALACCA.

Sir,

I have the honour to report to you that it appears advisable to add to the Coconut trees inspection staff in Malacca, as there are signs of an increase of the Red Weevil in several parts of the Territory.

You will recollect that there is one Inspector of Coconut trees stationed in each of the three Settlements. The Inspector in Malacca has by far the largest area to travel over, and the most difficult of populations to coerce, many owners requiring a prosecution to bring them to destroy dying trees. He has, however, expressed to me a satisfactory fair-weather pilot to us; and having no epidemic to deal with I have not considered it necessary to ask for any help for him before this. But with the Red Weevil appearing in felled or torped coconuts in each of the three divisions of Malacca I think that assistance becomes desirable.

REPORT OF THE
DIRECTOR OF GARDENS,

Tanner

The pay of an Inspector is one hundred and eighty dollars (\$180) per annum rising by five triennial increments of thirty six dollars (\$36) to three hundred and sixty dollars (\$360) per annum, vide p. 236 of the Civil Service List; but in the case now put before you the appointment may be sanctioned for three years only as the present condition may pass.

I have the honour to be, Sir,

Your obedient servant,

Director of Gardens, S.S.

The Honourable
the Colonial Secretary,
Singapore

List of localities visited by Junior Inspector, Malacca Jan 3 1930
917.

1. Cheng R	73. S. Rambai P	45. Kerang P
2. Tanjung Mering R	8. Sebati P	5. Riv
3. Bukit Rambai P	9. Sebati	7. Sungai Rambai
4. Semarak P	10. Mertiman	8. Sungai Rambai
5. Meringit P	13. Chenderoh P	9. Sebati (out)
10. Kaedang R	14. Chenderoh 1 (out)	10. S. Rambai (out)
11. Bukit Lintang R.	15. Chenderoh 1 (out)	15. Mertiman (out)
12. Batu Rambai P (out)	16. Chabau P.	17. Sebati (out)
15. do. N.	16. Nyalas P	18. Mertiman (out)
16. Dayang P	17. Nyalas P	21. Sebati P
17. Bukit Bham P (Red N)	18. B. Sungai P	22. Simpang P.
18. Bukit Jamb P (Red N)	20. Sebati N	23. Serkam (out)
19. Bukit Rambai P (Red N)	21. Mertiman N	24. Kerang P
20. Kledang	22. Jasin N	25. S. Rambai P.
21. Bukit Bham N	23. Chabau P	1.6. Mertiman N
26. Meringit N	24. Kerang (Red N)	2. Malacca
27. Batu Rambai R	26. S. Rambai ?	4. S. Rambai P
28. Kerang Rambai P	27. S. Rambai (out)	8. Lebai - (out)
30. K. Wesan P	28. Sebati (out)	9. Telang (out)
1.2. Bukit Kati P	29. Mertiman (out)	10. Ayer Panas (out)
7. Jasin P	31. Simpang (Red N)	12. Kerang
8. Chabau P (Red N)	4.4. Mertiman N	14. Ayer Panas N
9. Nyalas P (Red N)	10. Sebati P	15. Lebai N
10. Jasin P	11. Mertiman P	16. Telang N
12. Malacca	12. Mertiman P	18. S. Rambai P
14. Bukit Simpang (Red N)	16. Simpang N	19. Sebati
15. Malacca P	17. Sebati N	20. Mertiman P
17. Chenderoh N	19. Malacca ?	22. Sebati
18. Chabau N	21. Jasin ?	25. Sebati
21. Nyalas N	23. Kerang ?	26. Lebai
22. N. & Bukit Simpang (out)	24. Malacca	27. Lebai P
23. B. Sungai N	25. Sebati P	28. Telang P
24. Tanjung Mering ?	26. Mertiman N	29. Mertiman P
25. Mertiman	27. Simpang P	30. Ayer Panas P
26. S. Rambai P.	28. Simpang P (Red N)	

30th. August, 1916

Dear Holden,

The Coconut inspectors (there are now two) in Malacca are not men of standing enough to approach the P.W.D. in the matter of the removal of coconut trunks, and coconut stumps under the Coconut trees Preservation Ordinance: I therefore fall on me as the responsible officer. During my last visit of inspection I observed two cases in which your department is responsible for letting beetles loose into the country side; and I write to ask you that the trunks and stumps in which they are breeding may be destroyed at once. The one case is at Jasin where three trunks lie upon the roadside facing the D.O.'s house, one hundred yards from the Look-up. Red beetle just mature is in them: therefore the trunks have been left lying where they are for about three ~~months~~ months. The other is at Padang Sabang or near thereto, where you have felled a considerable number of trees on the race reserve, - at least I am given to understand that the P.W.D. felled them, - and have left the trunks lying.

I know the difficulty of destroying the stumps but it is not difficult to bury the trunks (which must be under the feet of earth), and it is easier still to split them open with an axe so that the inner

ary. I shall be content if the latter course is taken. You have seen the soft grubs of the two or coconut beetles, and understand yourself that ~~MYSELF~~ they can only live where the inside of the palm trunk is wet. Could you please impress this fact upon your subordinates. For if they should only carry out the provisions of the Ordinance, my work would be easier.

Lastly there are the hundreds of trunks at Pandang, and up to the 7th. mile on the Jasin road. To clear them up is not only a big job, but it is late to commence. I would suggest that a man with an axe should go round and split up the rotting trunks where not difficult: for you have only to look into the standing palms there to see that the country is full of the Rhinoceros beetles coming chiefly from the trunks on the ground.

Sincerely yours,

G.Holder Esq.

Executive Engineer, Malacca.

Received.. 3.11.16.

Answered.....

(Works 71)

It is requested that the following number be quoted in reply to this letter.

Public Works and Survey Department,

No. P. S. M. 347/1916.

Malacca, 2nd NOVEMBER, 1916.

Sir,

With reference to your letter dated 30th August 1916, on the subject of removal of Coconut trunks and stumps under the Coconut Tree Preservation Ordinance, I have the honour to inform you that the matter is receiving attention.

I have the honour to be,

Sir,

Your obedient servant,

M. M. M.

Executive Engineer.

The Director ,

Botanic Gardens,

Singapore.

Coconut beetles

Botanic gardens,

Singapore,

19th. August, 1915

Dear Williams,

I said that I would write to you about the coconut beetles in Malacca and I do so now.

I examined prostrate logs and stumps up and down the Territory of Malacca of both the coconut and the kabong palms, and had no difficulty in finding the grubs of the black beetle - *Oryctes rhinoceros*. None were full grown; and this confirms my idea that the pronounced seasons of Malacca make the beetle periodic, which it is not in Singapore. I found grubs for instance just behind the Malacca Rest House, on the way to Tanjong Kling, in Aler Tajah, and elsewhere. But I found none of the Red beetle on this visit.

The palms show in foliage the black beetle attacks very abundantly from Aler Tajah northwards; and this I put down to the number of rotting Kabong palms in that part. A ^{dead} kabong palm is quite as good a breeding place for the black beetle as the ^{dead} coconut.

I would suggest that the Inspector under the act should be made to spend some laborious days (now that Hari Raya has passed) between Aler Tajah and Tampin, and especially that he should get the dead coconut trees in Tampin village removed.

Sincerely yours,

MS

On Jan 12th in the course of his work Dollah
found Red Beetle at Batu Berendam. He
properly visited it again on Jan 27th. But
it was 6 months before his next visit is.
long enough for 2 generations of the Red Beetle
which he had not managed out, for he
found it again there on Jul 30th and
found it there again in November.

He understands now I hope that the
places where he has found Red Beetle must
be revisited about 2-~~3~~ 3 months after
finding them.

This he has not been doing ^{still} however
Subit Sharn - Red beetle found on Jan. 17 appears not to have
been revisited.

Tseng	ditto	9 June	ditto.
Taenjong	Tringyek	3 Aug	ditto.
Senatok		17 Aug	ditto.

By spending 2 months working in the
Central District & 2 in the Jasin district
Alternately it ought to be possible to get round.

23 Merlimau back to Jasin May 1. Jasin office
 23 Jasin. Chabau. diff compounds. 2 Merlimau comb & back to Malacca
 Merlimau Merlimau comb not sample. 2 Malacca office
 24 Kesang. Red beetle in 1 compound, 11 diff 4 Kesang
 26 Sungai Rambai 5 Rian
 27 do. diff compounds 65. 7 Sungai Rambai
 28 Sebati do. 31. 8 do. diff compounds not cleared
 29 Merlimau do 11 9 Sabatu
 31 Sempang. Red beetle, diff compounds. 10 back to Malacca
 April 23 Jasin office 11 to Jasin
 4 Merlimau offices & Sungai Rambai 12 to Malacca
 5 Malacca office 14 Sungai Rambai p. diff compounds.
 10 Sebati M. & survey for dimensions. 15 to Merlimau
 11 Sebati & Merlimau 16 Merlimau comb.
 12 Merlimau & back to Malacca. 17 Sabatu
 13 Malacca to Jasin. 18 Merlimau
 16 Sempang - survey when 19 Malacca
 17 Sebati " " 21 Sebati p.
 18 Sebati Merlimau " " 22 Sempang p.
 19 back to Malacca 23 Serkan p.
 20 to Jasin. 24 Kesang.
 21 Jasin p. 25 Jasin comb.
 23 Kesang p. 26 Malacca office.
 24 back to Malacca 28 S. Rambai
 25 Malacca to Sebati 30 back to Malacca
 26 Sebati Merlimau " 1 June 1 Merlimau survey when
 27 Sempang 2 back Malacca
 28 Sempang Red beetle. 4 Sungai Rambai p.
 30 Malacca office 5 back Merlimau
 6 Merlimau comb.

June 7 Malacca office
 8 Umbai Red beetle.
 9 Tedang b. " "
 11 Ayer Panas. diff compounds
 12 Kesang to Ser of compounds
 13 Jasin office
 14 Ayer Panas with when
 15 Umbai
 16 Tedang & Malacca " "
 18 S. Rambai
 19 Sebati
 20 Merlimau comb
 21-22 Ayer Panas Merlimau large compounds
 23 to Malacca.
 24 Jasin & Sebati to Ser of compounds
 26 Umbai
 27 Umbai
 28 Tedang
 29 Merlimau to Jasin & Ayer Panas.
 30 Ayer Panas
 July 2 Jasin
 3 Sebati to Merlimau
 4 Merlimau comb & back to Malacca
 5 Merlimau patero (?)
 10 Banda Kaba, Banda Hilir - Red beetle
 11 Ruyak Ruma Red beetle.
 12 Pringgit & to Mutat Patera, black beetle
 13 Kelang
 14 Balai panjang
 Batu Merindan

July 7 Pringgit
 18 Balai Panjang
 19 Banda Kaba
 23 Sungai Rambai
 24 Sebati
 25 Merlimau comb & Malacca
 26 Seratok
 27 Doyang
 30 Batu Merindan Red beetle.
 Aug 2 Merlimau comb.
 3 Tanjung Binyak Red beetle.
 7 Sebati
 8 Merlimau
 9 Pringgit
 10 Merlimau Merindan
 13 Tanjung Binyak
 14 Balai Panjang
 15 Bachang
 16 Bukit Bata
 17 Seratok Red beetle
 18 Padang Temu
 20 Pringgit
 21 Sebati
 22 Merlimau comb
 23 Pren (?)
 25 Seratok
 27 Tanjung Bata diff compounds.
 28 Bahang
 29 P. Besar
 30 diff office

Sept
 1 Lenggoh.
 3 Tenggoh Batu Reservoir & Black water
 4 K.
 5 Merlimau cont.
 6 Bachang
 7 K. Besar
 8 Batu Brendam.
 11 " " "
 13 Bachang
 14 Padang Samalok
 15 Batu Brendam
 18 K. Besar
 19 K. Keritil
 20 Batu Brendam
 21 Tenggoh Batu along stream
 22 T. Kling
 24 Suk.
 26 T. Kling
 27 Kemelan Rama
 28 Padang Samalok
 29 Bukit Piatu
 Oct 2 Tenggoh Batu summit
 3 Bukit Piatu
 4 Tenggoh Kling
 5 Dayang
 6 Ringgit
 8 Balai Panyup
 10 Dayang
 11 K. Besar
 12 Bukit Piatu

15 Malacca town Old road to town
 17 Kelian town
 18 Jasin
 19 Sungai Rambai Off camp
 20 " to Kerling
 21 " to Malacca
 22 Ipoh
 23 Lanchang
 24 Seremban Black & red beetle to
 25 Kuala to
 26 Kuala to Sungai
 27 to Malacca
 30 to Jasin
 Nov. 2 Sungai Rambai Kelian
 3 to Malacca
 5 to Kerling
 6 Lanchang
 7 Seremban
 8 Kuala to to Malacca
 9 Jasin
 13 Oratory child
 15 Sebatu (with me) to
 16 Chaban
 17 Jasin to Malacca
 19. Belandau
 20 Bukit Kijang
 21 Malacca
 22 Sungai Rambai to to
 23 Kelian
 24 Kuala to to
 27 Chaban

Red beetle

Warts

Kumbai 8 June

Tedong 9 -

Malacca 10 July

Pengkalan 11 July

Pungit 12 July

Batu Berendam 30 July

Tanjong Pagar 3 Aug

Semarak 17 Aug

Tangga Batu 3 Sept 3 Sept

Serkam 24 Oct 24 Oct

Kumbai 25 - 25

Sibatu 15 Nov

Silau 7 Dec

- Nov. 28 Chabun. n. & h. kye-lu
 29 kye-lu. h. jae-lu
 Dec. 3 S. kye-lu
 5 Mue-lu-lu-lu
 6 Bukit Singgih
 7 Landa Red beetle, back to back
 8 S. kye-lu
 11 Bukit Singgih
 12 Landa.
 13 kye-lu. numerous wanted
 14 Chabun
 15 h. jae-lu
 17 Mue-lu-lu-lu
 18 Mue-lu-lu-lu.
 19 Jan.
 24 S. kye-lu
 27 B. kye-lu.
 28 Landa.
 29 Landa

Red beetle		Black
Batu Berrudam	12 Jan	
Bukit Bharu	17 -	also
Bukit Patau	18	also.
Pringgit	19 -	
Chabun	8 Feb.	
Bukit Singgih	14 -	also.
Kesang	24 mch.	
Simpang	31 -	
	28 Apr.	

F34/129

Botanic Gardens,

Singapore,

17th November 1917

Dear Williams,

Just north of Belimbing station on the west side of the line the owner of a small patch of rubber has felled coconuts from in the rubber and left the trunks and stumps. He should be ordered to clean up within a fortnight. South of Belimbing between the line and the Belimbing-Durian Tunggul road, there stand a number of dead Kabong palms and there are some felled palm trunks. These also should be removed. If the Inspector goes down the line he cannot fail to see them.

It is quite possible that the number of cases of Red Weevil reported from the area between Durian Tunggul and Aler Gajah is connected with these.

Again near a mosque between Belimbing and Aler Gajah are a few kabong palms which should be removed as the others.

Felling and splitting satisfies me, for if the interior is made too dry the beetle grubs cannot live.

Sincerely yours,

ON HER MAJESTY'S SERVICE.

Alor fajah unpeke wlk 2-10-17

October

2. Raya Rumpit: found red beetle.

3. Kelenak P.

4. P. Kalam found red beetle

5. Malako Pindak do.

6. Pauchur P.

9. Raya Rumpit P.

10. Kelenak N.

11. P. Kalam P. N.

12. M. Pindak P

13. Pauchur P

16. Bringie found red beetles

17. Blimbip found red & black.

18. Pant Melana found red beetle.

19. Durian Tempal found red beetle

20. K. Pulau found black beetle

22. K. fausa found red beetle

23. Ayer Resau found red beetle

24. Mungie N.

25. P. Blimbip N.

26. Pant Melana N.

27. Durian Tempal. N.

29. K. Pulau. N.

31. Ayer Resau. N. + P.

Nov 1. Blimbip red beetle

2. Machap. red beetle

3. Ayer Rasir P. black beetle.

5. Tubong P.

6. Blimbip N.

7. Machap. P

8.	Agos Posit	P.
9.	Tubung-	N
12.	Janum	P.
13.	Sadik	P.
14.	Padang Lebau	P.
15.	Tanjung Riman	P.
16.	Pulau Sabang.	P.
17.	Janum	N.
20.	Sadik.	N
21.	Padang Sabang	N.
22	Tanjung Riman	N.
23	Pulau Sabang	N.
24.	Kemuning	P.
26.	Kampung Raya -	Red beetle
27	Ryoh	Red beetle.
28	Melekek.	P.
29.	"	P
30.	Sempang Ampoh.	P.
1.	Kemuning.	Red beetle? of
3	Chua putuk	Red beetle.

RECEIVED

ANSWERED

(G. 3)

From Whom

Place

Date

COCONUT TREE INSPECTION

ALOR GAJAH.

Former Papers.

MINUTES.

Final Paper.

1. I have been through the Inspector's book from Jan. 1st, 1917 day by day to see if he covers the ground. I do not know where the following places are:

Ayer Molek distance	21 miles
Ayer Rusan	10 miles
K. Ninar ?	7½
Kemas	5½
China puteh	7
Ayer Liman	9
Tanjong Barong	26
K. paya rampat	12½
Pachar ?	6½

I cannot place these consequently on the enclosed map

2. The Inspector seems to get round his beat fairly well. But ~~MINIMUM~~ the coast is certain to suffer in this way that the day is spent in getting there and consequently the time for inspection is curtailed. I feel as if he ought to be offshore on the coast.

3. What has been done with regard to his allowances in connection with journeys to greater distances than ten miles from Alor Gajah ? vide G.O. 70 d. ii.

Perhaps in connection with this some arrangement might be made for his sleeping out at times in order the better to inspect along the coast.

4. The numbers on the map are the number of the day of the year when the place was visited, Kuala Linggi on the 139th and 144th day of the year.

5. I imagine that servicing notice is not considered

F 34/130

by him a days work, though he
commonly records it as so. I think
therefore that his diary is not as
full as it should be, no without
doubt when he goes to Palau Sabang to
serve a notice he still keeps his
eyes open along the road.

Once only he records Red Beetle
But it is more abundant in the
countrywide than his Diary he repre-
sents.

Red Beetle localities must be
revisited oftener than clean
localities. He should understand
this.

Whitaker

218/7

Sept 1918

Order of goods

This paper we have found
among the papers of a deceased
Ld. Bishop. I do not know
whether you ever received a
reply to the minute of 23.8.17.
If not, will you let me hear -
Some of the points may have
been cleared up in the interval.

C²
28/10/18

S.O. Ah Sah.

I did not get an answer.
Do not trouble you about
any but 3. I should like
to have an answer to 3.

Please Whitaker

S.B. 4/18

Director of goods

no arrangement has been made
up to the present. The hope is
only ships of A.G. or most
one might a week unless he
happens to be in the area
very high work. He usually sleeps
in the machine where he is
working - this is no particular
hardship to him as he has no
quarters or Mr Gid but I
see no reason why he should not
draw the extra allowance when
the place is more than 10 miles from Mr Gid.

C²
10/11/18

~~Order to C.S. to collect
of 3 of the vote
to be for this~~

S.O. Ah.

The Malacca Coconut
inspiration vote is \$300
The senior inspectors draw
\$10 per. for 6 months &
\$15 per. for 6 months, fixed,
= \$150. Your man
draws \$10 per. bicycle
allowance = \$120. (and
the difference \$30 be drawn
on? I recommend it
17.6.18. Whitaker

No Minutes should be written on this page. A separate half-sheet
to be used if required.

RECEIVED 5-11-18

Memorandum.

From

ANSWERED

2nd November 1918.

THE MANAGER,
PEGOH ESTATE,
TAMPIN, F.M.S.

To

The Director of Gardens,

Botanic Gardens,

Singapore.

Dear Sir,

I am this morning in receipt of your letter of the 1st instant re coconut palms containing beetle on this estate and must thank you for calling my attention to the pest.

I am sorry that I was not on hand at the time of your visit.

Some of the palms in the area you indicate belong to Malays but the majority to this estate.

Clearing of effected palms shall be put in hand at once.

Yours faithfully,

PEGOH ESTATE,

Herbert Dunscombe

Sub-Attendant

Minute paper No. _____

Sheet No. 2

Casey?

CP 10/9/18

voac.

It is 20 cents a mile.

17.9.18

D.P.R.

It is very difficult to say

exactly but at the rate of 20

cents a mile I should think

he would draw at least \$50

a few & probably a good deal

more - all the big coast mountains

are more than 10 miles from A.G.

May he start if but in hills until

the balance of the vte is exhausted?

CP 18/9/18

voac.

Yes.

When on the coast does he not

make his headquarters at some

particular place while he covers

all the coast mountains?

CR.

Under go. 70 (d)(5) the

Coast Inspector in charge

the power more than 10

miles from A.G. What is the

authorized rate per mile in these

Del.

He usually stops in the
mansion where he has been
working during the day whether
in the camp or elsewhere.
He is not an A.G. man
and no question but a only
comes back & stops at A.G. about
twice a month. His home is
at Selandav & he goes there at the
end of each week & also stops
there when visiting the A.G.
mansion near Selandav. But it
seems to me that if he is
to draw anything under G.O. 70,
the Govt. will have to be
taken as his head quarters.

P.
2/1/18

Doan.

Could you not make out a
case for a commuted allowance
under G.O. 70(2) [cf. Annindolah
drawing \$15 a month when at
Tasin]?

For that

(1) \$10 a month

allowance

(2) Consider Head Quarters at
Selandav & allow him 20 cts
a night under G.O. 70(2) - say
he stops at Selandav on
Saturday & Sunday nights
& Govt. holidays - this would
mean some 120 ^{nights} ~~days~~ in the year
or 245 ^{nights} ~~days~~ ^{per} year

\$49 a year -

Give him say \$15 a month
commuted allowance

If Govt. agree to this an allowance
could be asked for when he is
out of camp

D. J. G.

Please see above correspondence

- what do you suggest? I'd be

minutely of G.O. 18 is at quite

common - he always stops at

Selandav every 2 or 3 weeks. It

seems difficult to work anything

under G.O. 70(ii) but \$10

is quite adequate - it should be raised

to \$15 or 20. Would it be best

to go to work in about it

C.
4/1/18

Minute paper No. _____

Sheet No. 3.

D.C.L.A., Malacca

I have discussed this with the S.O., Alor Gajah and we think that the Inspector should have like Dollah two rates of allowance - the lower for the more accessible mukims, the higher for the mukims of Kuala Linggi

Sungei Ulu - all ~~four~~ ^{Tengah} Kuala, ^{Tengah} and like Ramanau China - both, - making 7 large mukims out of 29 or perhaps $\frac{1}{3}$ of the division.

He should spend 20 working days in every two months in them collectively and receive twenty cents a night when in them over & above his high allowance. Twenty cents a night is what Dollah gets when he goes to Jasin. i.e. \$5 for day 25 working days.

If this proposal is approved, I believe that it cannot be sanctioned short of the C.S., and I would therefore ask sanction.

1.21.1918 J. M. M. M.

P.S. Dollah should keep his limits - 2 months alternately in Malacca & in Jasin ^{absorbing \$150 of the vote} J. M. M. M. 1.21.18.

Could you arrange for your man to work one month in these seven mukims & two in the remainder of the district & so on?

R 5.11.18

D.C.L.A.

I think that is about what it would work out but I do not think any word a (not) line should be laid down - if perhaps would not be convenient for him to stay in those 7 mukims for a while month or a time - it is quite possible.

I might want to get him the other.

The D. G. 23 suggestion is

that he should draw \$4

(20 nights) every 2 months.

That comes to \$24 a year.

I imagine that is all the
rate will stand at so, he

will have to come to draw

the allowance after he has

spent 120 nights in those 7

months in the year. I do

not think any more definite

arrangement is necessary or

desirable in the interests of

efficiency.

C. 7/11/8

D. G. S. S.

I agree - the D. G. will
presumably pay monthly for
any nights spent in the
Swire Coast bunkies until
120 have been paid for.

R. S. 11/8

Jan.

M.

March.

April

1 1				60	K. Hutan P. X	91	
2 2	Bukit Mung N.	32	Durian Tunggul P.	61	Tanjung Pinang P.	92	Kemuning P. Makin
3 3	Ayer Malek (6) N.	33	Kampung Belau P.	62	Janum N.	93	
4 4	Lubok China N.	34	P. Kaladi P.	63	Jadik. N.	94	Bukit Melitok. N.
5 5		35		64		95	Malitok N.
6 6	Ramuan Cina Keadah N.	36	Ayer Kesau P	65	Padang Sabang N.	96	
7 7		37	Belitup N.	66	Kemuning N.	97	
8 8	Ramuan Cina Keadah N.	38	P. Kaladi N.	67	P. Kaladi N.	98	
9 9	Kelumpang P.	39	Durian Tunggul N.	68	K. Hutan N. X	99	
10 10	Pangkalan. P	40		69	Tanjung Pinang N.	100	Sungai Rengas N.
11 11	Malacca Pindah P	41	Machap P.	70		101	Kemuning P. X
12 12	Malacca Pindah P	42		71	Alor Fajah P.	102	Alor Fajah P. Had. Bata
13 13	Pandur. P	43	Ayer Pais P.	72		103	Sungai Buloh
14		44	Tebing. P	73	Kampung Baga Datoh P.	104	Biran. P. X
15 15	Pantai Kluang P.	45	K. Pulau N.	74	P. Joh. P	105	
16 16	Keimung P.	46	P. Kaladi N	75	Sungai fajah P.	106	Sungai fajah P.
17		47	Ayer Kesau N. X	76	Ayer Kesau P	107	Sungai Sijut P.
18 18	Kelumpang N.	48	Machap. N	77		108	Sungai Sijut
19 19	Pangkalan. N.	49		78	Rantau P	109	Alor fajah P. X
20 20	Malacca Pindah N.	50		79		110	Sungai Buloh
21.		51	Ayer Pais N.	80	Alor fajah N.	111	Misa
22 22	Pandur. N.	52	Tebing N.	81	K. Baga Datoh N.	112	
23		53	Janum P	82	P. Joh. N.	113	Sungai fajah N
24		54	Jadik. P.	83	Sungai fajah N.	114	Sungai Sijut N.
25		55	Padang Sabang P.	84		115	
26 26	Pantai Kluang N.	56		85	Ayer Kesau N.	116	Rimba P
27		57		86		117	Lunda P.
28		58	Kemuning P. X	87	Rantau N.	118	Sungai fajah N.
29 29	Belitup N.	59	P. Kaladi P	88	Bukit Melitok P	119	
30 30	Pantai Melaka P			89	Bukit Melitok P	120	Rimba N.
31				90	Sungai Rengas N.		

May.

June

July

1 ¹²¹		1 ¹⁵²	Kelemanak P.	1 ¹⁸²	
2 ¹²²	S. Durian Daun P.	2 ¹⁵³		2 ¹⁸³	
3 ¹²³	Ayer Liman P. Black beetle	3 ¹⁵⁴		3 ¹⁸⁴	Tebing P.
4 ¹²⁴	Duker P.	4 ¹⁵⁵	Pengkalan P.	4 ¹⁸⁵	Ayer Liman N. ⁺
5 ¹²⁵	Bukit Keringin P.	5 ¹⁵⁶	Malaka Pindak P.	5 ¹⁸⁶	Marchof. N.
6 ¹²⁶		6 ¹⁵⁷	Kelemanak N.	6 ¹⁸⁷	Ayer Lahir N.
7 ¹²⁷	Lendu N.	7 ¹⁵⁸		7 ¹⁸⁸	Janum Black beetle.
8 ¹²⁸	S. Daun. N.	8 ¹⁵⁹	Pengkalan N.	8 ¹⁸⁹	
9 ¹²⁹	Ayer Liman N. ⁹ X	9 ¹⁶⁰		9 ¹⁹⁰	Jack. P.
10 ¹³⁰	Duker. N.	10 ¹⁶¹	Malaka pindak N.	10 ¹⁹¹	Padang Sabang Red beetle.
11 ¹³¹	Bukit Tenggah. P.	11 ¹⁶²	Pachun? ¹⁶ X	11 ¹⁹²	
12 ¹³²	P. Balok. P.	12 ¹⁶³	P. Belimbing P. Black beetle.	12 ¹⁹³	Tebing. N.
13 ¹³³		13 ¹⁶⁴	Keringin	13 ¹⁹⁴	Janum N.
14 ¹³⁴	Tanjung Bidan P. ² X	14 ¹⁶⁵	Belimbing Red beetle.	14 ¹⁹⁵	Jack N.
15 ¹³⁵	Kuala Lempit Kham. P.	15 ¹⁶⁶	Pait Melana P.	15 ¹⁹⁶	
16 ¹³⁶	Bukit Tenggah. N.	16 ¹⁶⁷		16 ¹⁹⁷	Padang Sabang N.
17 ¹³⁷	P. Balok. N.	17 ¹⁶⁸	K. Pulau. P.	17 ¹⁹⁸	
18 ¹³⁸	Kuala Lempit Kham N.	18 ¹⁶⁹	Padang Keladi P.	18 ¹⁹⁹	Kamuning P.
19 ¹³⁹	Kuala Lempit N.	19 ¹⁷⁰	Ayer Resam ⁺ P.	19 ²⁰⁰	Pulau Sabang. P.
20 ¹⁴⁰		20 ¹⁷¹	Marchof. ^{Black beetle.}	20 ²⁰¹	Tanjung Liman P.
21 ¹⁴¹	Tanjung Bering P. ²⁶ X	21 ¹⁷²	Ayer Lahir P.	21 ²⁰²	
22 ¹⁴²	Ayer Molek. P. ⁺ X	22 ¹⁷³		22 ²⁰³	
23 ¹⁴³	Lubok China P.	23 ¹⁷⁴		23 ²⁰⁴	Kamuning N.
24 ¹⁴⁴	Kuala Lempit N.	24 ¹⁷⁵	Pachun ⁺ N.	24 ²⁰⁵	Pulau Sabang N.
25 ¹⁴⁵	Lubok China N.	25 ¹⁷⁶	P. Belimbing N.	25 ²⁰⁶	Tanjung Liman N.
26 ¹⁴⁶		26 ¹⁷⁷	Keringin N.	26 ²⁰⁷	Paya Datoh P.
27 ¹⁴⁷	Raman Chima Kudu P.	27 ¹⁷⁸	Belimbing N.	27 ²⁰⁸	Peyoh. P.
28 ¹⁴⁸	Raman Chima besar. P.	28 ¹⁷⁹	Pait Melana N.	28 ²⁰⁹	Sungai Jarak. P.
29 ¹⁴⁹	Kampung Raja Rumpit. P. ⁺ X	29 ¹⁸⁰	K. Pulau. N.	29 ²¹⁰	
30 ¹⁵⁰	Raman Chima Kudu N.	30 ¹⁸¹	Padang Keladi N.	30 ²¹¹	Paya Datoh N.
31 ¹⁵¹	K. Raja Rumpit N. ⁺ X			31 ²¹²	

12/4