

SCIENTIFIC
(Forestry)
No. 870/21

1921

C.S.

Forest Officer	SUBJECT.
192 1 14th September Previous Paper.	<u>Trees at Sullivan House.</u> report on forwarded.

File 20/7/21

MINUTES.

Minute from Forest Officer, 14th September, 1921.....Encl..(1)

Y.S. Submitted
May an order be sent by cable for
these trees seedlings n.

Atttt 19/9/21

Order should be sent by telegram - reference
made to last supply by Miss Dickson & Co
I should like to see the telegram please.

BR
19 Sept 1921

Subsequent Paper.	<p><i>Y.S. Submitted</i></p> <p><i>Atttt 21/9/21</i></p> <p><i>I have spoken to F.O. telegram to go as amended</i> <i>2 Incent in confirmation to go by mail. BR 22/9/21</i></p>
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Telegram to Crown Agents. 22nd Sept
Encl ②

To.

Please note and submit the
necessary indent

ttttt 28/9/21

Hon. Col. Secy.

Noted accordingly and herewith
Please find attached indent

James Reid
Forest Officer
26/9/21.

Indent for transmission to Cr. Agents. --- Encl ③

Forest Officer,

Will you please amend the indent
by ~~instruments~~ including freight and charges
in the total estimated cost of indent.

It will then be necessary for you
to submit a special warrant for the
amount required. The charge will be
against XV 4. You will know whether there
is any balance on that item. P

ttttt 29/11/21

Copied from M.P. 915/20.

Hon: Col: Secretary,

I have received 10 cases of trees in very bad
condition.

(sgd) James Reid,

Forest Officer.

9th December, 1921.

From M P 915/20

Copied from M.P.915/20.

Forest Officer,

Will you please let me have as full a report as possible on the consignment for transmissio to the Crown Agents. The report, which should be put up as an enclosure, should give the actual state of the trees, the cause, and whether conjectured or known, of their being in bad condition and any suggestions for future consignments.

H.H.H.
10th December, 1921.

Hon. Colonial Secretary.

Please find enclosure - report on condition of consignment of forest trees unpacked 5th December 1921.

Encl (49)

James Reid,
Forest Officer,
13th December, 1921.

Y. E.

Submitted.

Report to go to C. A. to be communicated with suppliers?

H.H.H.
21st December, 1921.

From M.P. 915/20

H.C.S.

I wished to make certain with regard to Corsican Pine - ~~the~~ reference to as item 5 in telegram of 22nd September enclosure @ hand. They have not yet received yet.

2. Report of Forest Officer can now go on to Crown Agents. Dn. 14 January 1922

Letter to Crown Agents: 17 Jan 1922
Encl (10)

Letter from Crown Agents d 11/11/21 — Encl (11)

Original Advice of Shipment — Encl (12)

Forest Officer

Please withdraw Duplicate (Encl 11).
and report on shipment in due course

Httttt 21/1/22

Hon. Col. Secy.

Duplicate (Encl. 11) withdrawn
accordingly.

James Reid
Forest Officer
23/1/22.

Report from Forest Officer d 1/1/22 — Encl (13)

F.O. Will you please report on the
condition of the trees on arrival

Httttt 16/2/22

Hon. Col. Secy.

Please find enclosures

- (1) Advice of shipment on 1 case Austrian Pine Encl (14)
- (2) Report on condition of 1 case Austrian Pine Encl (15)

James Reid
Forest Officer
25/2/22.

Copy of (15) to C A w. r. f. (10)

Httttt 27/2/22

Letter to Crown Agents, 28 Feb. 1922. Encl. (16)

Forest Officer

Please withdraw duplicate advice of shipment

Httttt 13/3/22

Hon. Col. Secy.

Duplicate advice of shipment withdrawn accordingly.

James Reid
Forest Officer
16.3.21.

Advice of Stones sent by Post ——— Encl (17)

Minute from Forest Officer d 19th Apr 1922. Encl (18)

Y.S. Submitted for information

[Signature] 21/4/22
24 April 1922

Crown Agents letter of 13th May 1922
Encl (19)

Y.S. Submitted

2. Go for to Forest Officer for information and any observation?

[Signature] 1/7/22

H.C.S.

To F.O. accordingly.

2. It is unwise to spend much money in improving from the Bill in view of para 4 of 19 with F.O. plan say whether he considers that it would be worth while to inquire at what price

Mr. Dickson would supply
Rhododendrons.

H.

4 July 1922

H.
Aust. Office

Accord with

~~H.H.H.~~ 5 July 1922

Hon. Col. Secy.

Yes;

I think it would be
advisable, to ascertain, at
what price Messrs. Dicksons
would supply Rhododendrons.
2 a small consignment would
be best, to see how they
would stand the journey.

James Reid
Forest Officer

12 July 1922.

Yr.
Sub illu for the purpose of
further instructions

H.H.H. 28/7/22

H.C.S.

When I wrote my minute of 4th July
I thought that Rhododendrons might
be suitable for planting on grassy slopes

Cemetery + Rep Road: it has ^{not been} possible yet to put this strip of ground in order & it is unnecessary at present to make any further enquiry regarding prices of rebarments (B.O. has a price list of ¹⁸⁹⁰ Messrs. Dickson & may perhaps be possible later to try them in the ground if some shelter can be provided.

Sr
28 July 1912

1 Owing to the severe weather of frost and snow that has passed since the first week in July up till now. the Trees at Sullivan House have suffered very badly. A good many deaths have occurred amongst the Hardwooded species. The Conifer's especially the Common Spruce are looking exceedingly well, others are in a poor condition.

2 Owing to the many deaths and those in bad condition 10,000 trees will be required to fill the vacancies which are to be planted at Dal Lough.

3 Also another 10,000 will be required for laying out in the nursery, so as to have a small stock on hand for beating up etc. For as yet no seeds have arrived from England therefore no trees have been raised to provide a stock for the nursery.

4 Conifers are likeliest to do best and I would advise only Conifers be ordered from England.

5 The order for the 20,000 would be as follows

Common Spruce.	3 years seedlings	=	5,000.
Sitka do	2 do. do.	=	5,000
Scotch Fir	9 inches to 12 inches	=	5,000
Corsican Pine	3 yr. seedlings	=	3,000
Austrian Pine	3 yr. do.	=	2,000

6/ Should the trees be ordered from England they would require to be shipped not later than 6th November. It would have to rest with the Nurserymen if the weather conditions at Home suited for the lifting of the trees in the Autumn.

I have the Honour
to be

Sir

Your obedient servant

James Reid
Forest Officer

14th September 1921.

FALKLAND ISLANDS.

MINUTE PAPER.



Departmental Number.

From *Forest Officer*

Date *14th September 1921.*

To *Hon. Col. Secy.*

SUBJECT.

Forestry.

Reference Numbers. }

Hon. Col. Secy.

Sir

I have the Honour to enclose a few remarks for His Excellency's consideration regarding trees etc at Sullivan House.

I have the Honour to be.

Sir

Your obedient servant

*James Reid
Forest Officer*

14th September

1921.

TELEGRAM.

From : The Colonial Secretary.

To : The Crown Agents for the Colonies.

Dispatched : 22nd September..... 19 21 Time. 3.30 p.m.

Received : 19 ... Time.

UNDERANGEL TURFINNESS DICKSONS REQUISITION 1451
REPRUNING SEAKIND NUCARIA WILDHONEY EACH ISOLANO
ISOMERISM ISOPOD WIDGEON ISODOMON ISODYNAMIC.

SECRETARY.

With reference to your letter of 29th October last year, Dickson's requisition 1451, request you will arrange for shipment 1st November, 5000 each item 7, item 8, item 9, 3000 item 5, item 6.

FALKLAND ISLANDS.

* Give No. and date to be used in correspondence with the Crown Agents.

Indent No. 87

Date* 26th September 1921.

† Brief description of the goods required.

Indent on the Crown Agents for the Colonies for † Seedling and transplanted Forest Trees

‡ Department of the Colonial Government ordering the goods.

required by the † Forestry

Department.

ADDRESS.

Requisition	O. H. M. S.
C A	O. A. G.,
	STANLEY.

In confirmation of telegram of 22nd September 1921

If necessary that goods be shipped by a fixed date or by a particular vessel enter instructions here and briefly indicate reason for necessity. Trees require to be shipped by 1st Nov. 1921. To enable planting operations to be carried out, before trees burst into leaf.

Estimated total cost in sterling exclusive of packing and freight £ 56 - 10

Any other instructions to the Crown Agents as to the execution of this indent as a whole

No tin-lined cases to be supplied.

Space for local use only.

I hereby certify that the above requisition is made for the current supply of an established and customary service sanctioned by His Majesty's Government, and that the expenditure has been duly sanctioned by

Approved,

James Reid
Head of Department.
Forestry Officer

(Sgd) H. Henniker Heaton.
GOVERNOR.

Colonial Secretary.

THIS PAGE TO BE LEFT BLANK.

FALKLAND ISLANDS.

Page _____

Indent No.* _____

Date* 26th September 1921

* To correspond with No. and date at head of first sheet.

Item No.	Quantity.	Description of Articles.	ESTIMATED COST IN ENGLAND.				Remarks.
			Rate.	Total.			
				£	s.	d.	
1	3,000	Austrian Pine 1½ to 2 feet	Per 1,000 £4	12	0	0	
2	3,000	Corsican Pine 6" to 12 inches	£4	12	0	0	✓
3	5,000	Scotch Fir 9" to 12" transplanted	£3	15	0	0	✓
4	5,000	Sitka Spruce 6" to 9" 2 yr seedlings	£2	10	0	0	✓
5	5,000	Common Spruce (Norway) 3 yr seedlings	£1.10	7	10	0	✓
Total estimated cost of the Indent				£ 56	10	0	

7

870/21

ORIGINAL ADVICE OF SHIPMENT.

The Crown Agents for the Colonies have to report the undermentioned shipment:—

" C 1451 " (This reference and the date of this letter should be quoted in all communications.)
B/L

Colony Falkland Islands
 Indent No. C.O.Ltr.No.47385/20 of 11/10/20
 Dept. Forestry Special A/c (if any) --
 Steamer Orcoma
 From Liverpool
 To Falkland Is.
 Consigned to The O.A.G.
 Date of shipment 2/11/21

The documents enclosed will enable the consignee to obtain possession of and to check the goods. Complete documents shewing the total cost of this consignment will be sent with the duplicate advice.

NUMBER OF PACKAGES.	DESCRIPTION OF STORES.
3478/87	10 Cases Trees
3063	1 Box Seeds

ENCLOSURES.	Packing Particulars.	£	s.	d.
Bill of lading				
Invoice:—				
Robert Veitch & Son		24	19	6
Dicksons <i>Copied from Duplicate</i>		<i>55</i>	<i>15</i>	<i>0</i>
" <i>Freight- a/c</i>		<i>42</i>	<i>9</i>	<i>9</i>
" <i>Cost of Insurance</i>			<i>14</i>	<i>9</i>

Will follow. - M.P 870/21

The Colonial Secretary,
FALKLAND ISLANDS.

Date 31/10/21.

Office of the Crown Agents for the Colonies,
4, Millbank, London, S.W. 1.

(117) (8)

~~915/20~~
870/21

109 G

Falkland Is. 1451.



ALL COMMUNICATIONS
TO BE ADDRESSED TO THE
CROWN AGENTS FOR THE COLONIES,
THE ABOVE REFERENCE AND THE
DATE OF THIS LETTER BEING QUOTED.

TELEGRAMS, "CROWN, LONDON"
TELEPHONE, 7730 VICTORIA.



MILLBANK,
WESTMINSTER,
LONDON, S.W. 1.
12th October 1921.

Sir,

I have the honour to refer to our letter No.103 of the 29th October last, your telegram of the 17th August, and our telegram of the 7th September, relative to the trees and tree seeds ordered from Messrs Dickson Ltd. in accordance with instructions received from the Colonial Office. Unfortunately the four varieties of seeds were overlooked by the contractor. On receipt of your telegram we took up the matter, and the scotch pine and common spruce seeds have today been ordered from Messrs Robert Veitch & Sons of Exeter, (vide form report of even date) but it has not been possible to obtain supply of the other two varieties until this year's crop is available early next year. These two items still, therefore, remain with Messrs Dickson & Sons who have been instructed to expedite delivery as much as possible.

I have the honour to be,
Sir,
Your obedient servant,

The Colonial Secretary,
Falkland Islands.

W. P. Eaton
for CROWN AGENTS.

~~11~~ 870/21

~~9-10-20~~
~~870/21~~ (9)

Report on consignment of forest trees received
per S.S. "Orcoma" from Messrs Dicksons & Sons
Chester.

To.

The Honble
The Col. Secy.

Sir,

I herewith beg to submit
a report on consignment of trees received and
unpacked 5. 12. 21. The list of trees are
as follows 5,000 Scots Pine, 2,400 Corsican
Pine, 5,000 Common Spruce and 5,000 Sitka
Spruce.

The Scots Pine were found in a poor condition,
and mostly in a dried up and burned state.
The majority were completely dead, their leaves
and buds falling off as soon as taken from
the cases. Most of the bundles were white
with mould and on being exposed to the
air turned quite brown.

The Corsican Pine also suffered heavily, the majority
of this class were also dead, having been
over heated, and like the Scots Pine their
leaves and buds fell off to the touch.

The Common Spruce were in a better condition than
the two classes before mentioned, but they too had
suffered with over heating, a great many were quite
dead, and those that had signs of life, were in
a bad condition having only their tops green.

The Sitka Spruce were found in the worst condition of all. On being unpacked the steam was issuing from the bundles and ^{they} were all over heated. The majority were quite rotten and dead, out of the 5,000 only 190, had signs of life. This class seemed as if they had been packed rather damp, as the whole caseful were in a sodden mass.

On the whole the condition of the trees was very bad having suffered greatly with over heating and want of ventilation, the number of air holes in the cases being insufficient for allowing the necessary amount of cool air to pass through the cases.

If the cases were built more openly, more of the crate style better results might be met with.

Also if the cases could be shipped as deck cargo, the trees would stand a better chance, for, as by right on the voyage, they would always have a certain amount of cooler air, than is obtained down in the hold.

I have the honour to be
Sir

Your obedient servant
James Reid
Forest Officer
B3. 12. 21.

870/21.

17th January,

22.

Gentlemen,

With reference to your letter 1099/1451 of the 12th October and to my telegram of the 22nd September, 1921, I am directed by the Governor of the Falkland Islands to enclose a copy of a report by the Forest Officer, on the condition of the trees received by the s.s. "Orcoma" on the 1st of December.

2. The injury to the trees would seem to have been due to the manner in which they were packed, and it is to be regretted that the suppliers did not take greater precaution to prevent, as far as possible, the plants suffering damage on the long voyage.

3. I am to request that, in the matter of packing, the suggestions contained in the report may be followed in the case of future consignments.

I am,

Gentlemen,

Your obedient servant,

H. Henniker-Heaton,

Colonial Secretary.

The Crown Agents for the Colonies,

4, Millbank,

Westminster,

London, S. W.

840/21

122 G.

Falkland Is. 1451



ALL COMMUNICATIONS
TO BE ADDRESSED TO THE
CROWN AGENTS FOR THE COLONIES.
THE ABOVE REFERENCE AND THE
DATE OF THIS LETTER BEING QUOTED

4 MILLBANK.

WESTMINSTER.

LONDON. S.W. 1.

TELEGRAMS. "CROWN. LONDON."
TELEPHONE 7730 VICTORIA

11th November 1921

Sir,

I have the honour to refer to your telegram of the 29th September last instructing us to arrange for shipment by November 1st of 5,000 each of items 7, 8 and 9 and 3,000 each of items 5 and 6.

2. All these items except No. 5 (5,000 Austrian Pine) were ordered from Messrs. Dixon's Ltd. of Chester on the 17th October and were shipped by s.s. "Orama" on the 3rd instant. The above firm was, however, unable to supply item 5 and this was ordered from Messrs. Dixon's & Co. of Edinburgh on the 28th October after consultation with the Director, Royal Botanic Gardens, Kew.

The Colonial Secretary,

Falkland Islands

Shipment of this item will be made by the next available steamer which is expected to sail from Liverpool about the end of this month.

I have the honour to be,

Sir,

Your obedient Servant,

W. Watson

for Crown Agents

870/21

12

ORIGINAL ADVICE OF SHIPMENT.

The Crown Agents for the Colonies have to report the undermentioned shipment:—

" C 1451 " (This reference and the date of this letter should be quoted in all communications.)
B/L



Colony Falkland Islands
 Indent No. C.O.Ltr.No.47385/20 of 11/10/20
 Dept. Forestry Special A/c (if any) --
 Steamer Orita
 From Liverpool
 To Falkland Islands
 Consigned to The O.A.G.
 Date of shipment 20/12/21

The documents enclosed will enable the consignee to obtain possession of and to check the goods. Complete documents shewing the total cost of this consignment will be sent with the duplicate advice.

NUMBER OF PACKAGES.	DESCRIPTION OF STORES.
5350	1 Case Forest Trees

ENCLOSURES.	Packing Particulars.	£	s.	d.
Bill of lading				
Invoice:—				
Dicksons & Co.	1	11	-	-
<i>Storage Reckt</i>		<i>Sent in Original Advice</i>		
<i>Freight of Supplementary of Cost of Insurance</i>		4	13	3
			3	6
			1	7

The Colonial Secretary,
FALKLAND ISLANDS.

Date 19/12/21.

Office of the Crown Agents for the Colonies,
4, Millbank, London, S.W. 1.

Crown Agents for the Colonies

4 Millbank
London

1 WATERLOO PLACE

Edinburgh

Triplicate



S. W. 1

Bought of Dicksons & Co

Partners:
W. H. MASSIE.
J. WELSH
J. H. ALEXANDER.

NURSERY SEEDSMEN & FLORISTS.

N.B. Two thirds of the Invoice price allowed for Bags & Sacks. One third for Hampers & Mats if returned free of expense within two months, and previously advised by post.

No Complaints allowed unless made immediately on receipt of the Goods.

1921.

Dec.

12

3.000 Austrian Pine
Packing & Carriage to Liverpool

9

2

11

In 1 box per rail Cpaid to
order of Messrs Grauschild, Lowie & Co:
S.S. "ORIFA", Alexandria Dock, Liverpool

marked :-

Requ	O. H. M. S.
1451.	
C.P.A.	O. A. G.
Nº 5350	STANLEY.

In red letters:-

"Special Stowage"

To be stowed in cool place
away from Boilers

To. The Honble.
The Col. Secy.

13

Sir,

I herewith beg to report that I received 10 cases of forest trees from Messrs, Dicksons & Chester, and 1 case Scots Pine seed from R. Vitch & Son Exeter. per S.S. "Orcoma" on the 5/12/21.

The contents of which were found correct, according to invoice.

I have the honor to be

Sir,

your obedient servant

James Reid

Forest Officer

4/2/22.

MEMORANDUM.

114

25th February 1922.

From James Reid

Forest Officer

Stanley, Falkland Islands.

To

The Honble

THE COLONIAL SECRETARY,

Stanley, Falkland Islands.

Sir, I herewith beg to report that I have received 1 case of Forest Trees (Austrian Pine) from Dicksons & Co. Edinburgh per S.S. "Brita" on 23/1/22.

The contents of which were found correct according to invoice

I have the honour to be

Your obedient servant
Sir
James Reid
Forest Officer

MEMORANDUM.

15

From James Reid
Forest Officer.

Stanley, Falkland Islands.

25th February 1922.

To

The Honble

THE COLONIAL SECRETARY,

Stanley, Falkland Islands.

Sir,

I herewith beg to submit a report on the condition of 1 case forest trees (Austrian Pine 3,000) received per S.S. "Brita" from Dicksons & Co. Edinburgh unpacked 23/1/22. The Austrian Pine were found to be in a first class condition, all the trees were alive & were quite green and fresh. The roots were a little dry, but they ~~had~~ were all full of life. The case they were packed in was very well ventilated and the roots were surrounded with a dry packing material.

I have the Honour to be

Sir

Your obedient servant
James Reid. Forest Officer

16

870/21

28th February,

22.

Gentlemen,

With reference to your letter No. 123G/1451 of the 11th November 1921 and to my letter No.870/21 of the 17th January, I am directed by the Governor to inform you that a case containing 3,000 Austrian Pine trees was received by the s.s."Orita" on the 17th January and to attach a copy of the Forest Officer's report on the condition of the trees.

I am,

Gentlemen,

Your obedient servant,

H.Henniker-Heaton.

Colonial Secretary.

The Crown Agents for the Colonies,

4, Millbank,

Westminster,

London, S. W. 1.

S

INVOICE.

THE CROWN AGENTS FOR THE COLONIES.

Dr. to **Dicksons (Ltd)**
Of **Chester.**

Crown Agents' Reference, i.e., Colony and Reqn. No.

1451 Falkland Is.

Dept.

Date **26. 1. 1922**

To be filled in by the Contractor.

(This space for use in Crown Agents' office only.)

Account _____

Indent No. _____ of _____ 19 _____

Letter No. _____ of _____ 19 _____

Shipped by S.S. " _____ " on _____ 19 _____

F.O.B. _____

W. & S. Ltd.

Item Nos.	Quantity.	Description of Article in wording of Tender.	Weight.				Rate.	£ s. d.			£ s. d.			
			T.	c.	q.	lb.		£	s.	d.	£	s.	d.	
	1½ lb.	Corsican Pine					1b 25/-	1	17	6				
	1½ "	Sitka Spruce					30/-	2	5	-				
		Postage							3	3				
		1 Box							1	-				
												£ 4	6	9
		The O.A.G.												
		Falkland Is.												

CV
then

Carried forward ...

ADVICE OF STORES SENT BY POST.

The Crown Agents for the Colonies have to report the despatch of the undermentioned stores by post.



“ $\frac{C}{P.P.}$ 1451 ” (This reference and the date of this letter should be quoted in all communications.)

Colony Falkland Is.
 Indent No. CO.47384/20
 Dept. - Special A/c (if any) --
 Despatched from Chester
 Addressed to The O.A.G.
 Date of posting -

Number of Parcels, &c.	Description of Stores.
1 parcel	Trees

ENCLOSURES

Invoice :—

Dicksons Ltd.

£	s.	d.
4	6	9
NOT INSURED.		

In duplicate

To The Colonial Secretary
 FALKLAND ISLANDS

Office of the Crown Agents for the Colonies,
 4, Millbank, S.W. 1.

6/2/ 1922

MEMORANDUM.



19th April 20 APR 1922

From... James Reid

Forest Officer

Stanley, Falkland Islands.

To

The Honble

THE COLONIAL SECRETARY,

Stanley, Falkland Islands.

Sir,

I herewith beg to report, that I have received from Dicksons Nurseries & herts. per parcel post, one package containing 1½ lbs Corsican Pine Seed, and 1½ lbs Sitka Spruce Seed.

I have the Honour to be

Sir.

Your Obedient servant
James Reid Forest Officer

64 G
Falkland Is. 1451.



19

ALL COMMUNICATIONS
TO BE ADDRESSED TO THE
CROWN AGENTS FOR THE COLONIES,
THE ABOVE REFERENCE AND THE
DATE OF THIS LETTER BEING QUOTED.

TELEGRAMS, "CROWN, LONDON."
TELEPHONE, 7780 VICTORIA.

4, MILLBANK,
WESTMINSTER,
LONDON. S.W. 1.

15th May, 1922.

Sir,

I have the honour to refer to your letter No.870/21 of the 17th January regarding the condition in which the young forest trees shipped per S.S. "ORCOMA" arrived in the Colony.

2 It is very much regretted that the trees should have arrived in such a bad condition but we desire to point out that the order was given to the same firm (Messrs. Dicksons Ltd., of Chester) which supplied the first consignment which arrived in good condition. This firm has had considerable experience in preparing such plants for shipment and was originally recommended by the Kew Gardens expert.

2 The matter has been taken up with the suppliers who state that they are unable to account for the condition in which the plants arrived as they were all of good quality and were carefully packed in properly ventilated cases by men who have for many years packed trees for export with good results.

4 The contractors add that although they do not consider themselves in any way to blame in the matter they are prepared to supply a further quantity of trees at a reduced price, if required.

In

Your obedient servant,

A handwritten signature in ink, appearing to be "J. J. ...".

THE CROWN AGENTS

The Colonial Secretary,

FALKLAND ISLANDS.

k J.

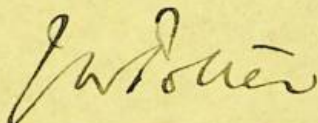
In view of the risk necessarily attendant upon the shipment of living plants to a place so far distant as the Falkland Islands, special care in stowage on board ship was exercised and the consignment was stowed in the Parcels' Room, which was considered the best possible place available, it being cool and away from the boilers.

With a view to ascertaining the best practicable method of packing we consulted the Director of the Royal Botanic Gardens, Kew, and we enclose a copy of his reply dated the 3rd. April, together with a copy of the memorandum referred to therein. In view of the satisfactory condition in which the Austrian pine trees were received ex the S.S. "ORITA" we communicated to Messrs. Dicksons & Co. of Edinburgh, (the suppliers) a copy of the Kew memorandum and enquired how far the packing adopted by them agreed with the Kew recommendations. A similar enquiry was sent to Messrs. Dicksons of Chester. From the replies received it would appear that the packing carried out by both firms was practically that recommended by Kew, except that Messrs. Dicksons of Chester use large cases. We will, however, take steps to ensure that the recommendations contained in the memorandum are carefully carried out in future, but as shipments of plants are infrequent I shall be glad if, when plants are ordered, our attention may be drawn to the special method of packing and shipment in order to avoid any possibility of its being overlooked.

I have the honour to be,

Sir,

Your obedient Servant,



for Crown Agents.

Copy of letter from Director, Royal Botanic Gardens, Kew
to Crown Agents.

Kew.

April, 3rd 1922.

Gentlemen,

In reply to your letter G/Falkland Islands 1451, of March 30th, 1922, I enclose a memorandum dealing with the packing of plants for export in connection with the report on the consignment of trees sent out to the Falkland Islands by Messrs. Dicksons Ltd., Chester.

I was very grieved to hear of the bad state of the plants on arrival as I understand that the first consignment sent out by the boat on which the Forester travelled reached the islands in good condition.

Watering of the roots on the voyage will probably be detrimental and I think that the only safe method of sending plants so long a distance through the tropics is to follow the plan suggested in our memorandum and to impress on the shipping agents the necessity of keeping the consignment in a cool place in the hold.

With proper attention to packing on the lines suggested and proper storage on board ship our experience shows that trees and shrubs can be conveyed long distances in safety.

I am,

Gentlemen,

Your obedient servant,

(Sgnd.) Arthur W. Hill.

Director.

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PACKING PLANTS FOR DISTANT COUNTRIES.

There are serious objections to the use of crate-like cases for the package of plants for distant countries. Plants packed in such cases are liable to serious drying, whilst there is also great risk of injury from vermin.

It is also inadvisable to send plants as deck cargo unless they be packed in Wardian cases which would be impracticable in the case of large numbers of young forest trees. If boxes of plants were sent as deck cargo they would be subject to injury by sea water during stormy weather, and there would be considerable drying during passage through the tropics.

Watering large numbers of young forest trees during the voyage would be likely to do more harm than good except an expert gardener travelled with the plants.

Experience at Kew has taught us that in transmitting large numbers of plants to distant Colonies or Foreign Countries, the best results are obtained by packing them in thin layers from the sides or ends of boxes, the tops of the plants being directed towards the middle, thus leaving an air space in the centre of each box. A layer of damp moss is placed on the bottom of the box where the plants are to lie. On this a layer of plants is placed, followed by a thin layer of moss and a thin wooden batten secured to the box to keep the plants in place; layers of moss, plants and battens follow until the box is filled. For a box 3ft. long, 1½ft. wide and 1½ft. deep 6 ventilation holes, each 1 in. in diameter are sufficient. On the inside of the box, over each hole, perforated zinc is secured to exclude vermin.

We dislike packing large numbers of young plants in bundles owing to the possibility of heating, neither do we advocate very close packing such as obtains when boxes are filled with bundles of plants to their utmost capacity.

All our packing cases are conspicuously marked "For Cool Part of Hold Away From The Boilers". Our system adds to the cost of packing and transit but we rarely have losses.