

C.S.

MEDICAL
(Board of Health.)
No. 89/27

1927.

"4"

Colonial Secretary.

SUBJECT.

1927.

21st Februry.

MEASURES TO COMBAT PEST OF THE BLOW-FLY.

Fly-traps.

Previous Paper.

57/27.

MINUTES.

PA 21/1/28
1-2
3-5
6

Extract from Enclosure to Secretary of State's despatch No. 141 of the 30th of December, 1926.

Letter from Crown Agents, 4th January, 1927.

Original Shipping Advice, 6th January, 1927.

COPIED FROM M.P. 57/27.

Y.E.,

Submitted. The fly-traps etc., have been received and I understand that Y.E., has the parasitised puparia at Govt. House.

(Itld.) J.M.E.
7.2.27.

g.g. Submitted. I have opened this separate M.P. which to deal with the fly-traps, at g.g.'s direction on M. 57/27.

2. The fly-traps and other material

Subsequent Paper.

be been received and are at present in

P.O. of store.

3. Y.2 may visit them to be unpacked
and made ready in a convenient place for
G.S. to inspect?

YMS
?

28.2.27

H.C. Yes, please. Colonial Engineer should
arrange to have one trap fitted up, say
in the Plot. shed or other suitable spot. I
will then arrange to come down to see it.

YMS
28 Feb. 1927

Col. Pyrie

Recording, please.

Paper recalled
from Col.
Ans. 27/2/27
a.s.

YMS
2
G. W. Ser.

2.3.27

Advice of Orders Placed, 6. Jan. 1927.

7-8

Duplicate Shipping advice, 6. 1. 27.

9

Letter from Director, Imperial Bureau of Entomology,
22/1/27.

10-11

11/1

I saw one of these flytraps fitted up in the K.A.S. Store in 8th instant; they appear simple of construction.

2. Six traps have been sent up to Government House and have been tried in the last few days with not very satisfactory results so far. It so happens that this summer blow flies have been conspicuous by their scarcity, no doubt due to the miserable weather we have experienced during the season; last summer when Sir John Middleton was in residence the front Conservatory at Govt. House was literally alive with them. Three traps were placed in this conservatory two days ago; a piece of raw mutton about the size of my clenched fist was placed in the reservoir, and ~~was~~ covered by water in two cases and by vinegar in the third. This third trap has for some reason been the most successful - the catch in the other two being almost negligible. Amongst other points that I have noticed are (a) The aperture at the top of the cone should not exceed the diameter of an ordinary lead pencil (b) The fly chamber requires very careful fitting on to the reservoir, otherwise the fly entrance admits too much light and permits the flies to escape by the way they entered. Further tests will be made here but I am afraid that the traps have arrived too late this year for full tests to be made.

3. Two traps have been sent to Sulwan House, one has been loaned to Hon. Mr. Griston, and

another to Mr. Noye of the P.W.D. who asked me verbally for permission to experiment with one at his lodgings. Unless you require the remaining two at Sullivan House they might be loaned to the Hospital for Experimental purposes there. It will be interesting to get reports from the various Experimenters later.

4. In view of the fact that Lardner in the summer season is almost past it is hardly worth while considering at present the local manufacture of further traps for which spare gauge wire is sufficient for 50 traps has been sent out. Colonial Engineer, however, should be asked for any observations, he may have to offer regarding the traps, and also an estimate of the cost of local manufacture.

5. There is no suitable head of the Estimates to which Expenses already incurred, and possible later Expenses, can be charged. It will therefore be necessary to open a new sub-head under say, "Miscellaneous"; and to issue a Special List of Blow-fly; and to issue a Special warrant as soon as anticipated liabilities are known.

6. If these traps should prove at all successful details of them might suitably be published in the Gazette for general information.

D.
10 March 1927

One trap has been loaned to Mr. H. C. Craigie-Balchelt of his personal report.

Inside Minute Paper.

Col. Phipps

Please note for necessary action.

2. The models and test fly-traps at present available should be loaned to experimental purposes at the Hospital as directed by the Exchequer.

J. W. S.
By Lt. Col.

11. 3. 27

The Hon. Col. Secy.,

Noted.

2. I have no comments to make in regard to the traps other than that they appear to be constructed on a sound principle.

I am of opinion that traps could be made locally for from 6/- to 7/- each.

3. The remaining trap has been supplied to the Hon. Col. Surgeon, accordingly.

P. W. S.

Colonial Engineer.

28th March, 1927

Spoke Col. Phipps

Enclosure of the cost of the gauge.

V. W. S.
28/3

y.E.

Submitted. Re krops, large sh. have cost
£ 14 3 6 inclusive of freight sh. The Col.
Engineer reports that to make the krops for 6/-
to 7/- each will be required inclusive of the cost of
the large supplied. I would suggest that a S.W.
of £ 25 might arise in the first place under
Miscellaneous as decided by y.E.

2. From 6/- to 7/- seems high to me
unless very expensive material is to be used. I had
thought that the idea was to utilize in the way
the petroleum fins at 1 sh each the Col. Engineer
for further details as to the manner in which this
estimate is calculated.

3. It has been proposed that in the course
to give the krops a good trial to the Col. Engineer
shall be received next summer.

4. ~~Paragraph~~ ^{In the} ~~report~~ ^{report} to vol 11 ~~can be~~ ^{a paragraph}
~~inserted~~ ^{can be inserted} ~~into~~ ^{into} the Director's copy of the pamphlet
at the same time as a report is furnished on
the parasite. I have placed a copy of vol 11 in

Visit page 7
of vol 10
no 273

y.E.

Recd no
of M.P. 57/27

M.P. 57/27

2nd
28-3-27

H.C.

1. The results of the tests at Government House have not proved very satisfactory owing to the lateness of the season and an unusual scarcity of flies. I am arranging for the six traps here to be taken over by the Gardens for experiment next summer.
2. Other Experimenters, including Hon. Mr. Gresham, might be asked to report the results of their tests.
3. The spare gauze set out is sufficient for 50 traps, but I doubt whether it is advisable to consider the making of more ^{on a large scale} pending the results of further tests with those we have already. These further tests cannot be carried out now until early in 1928. — ~~Mr. Gresham~~
It appears to me therefore that £15 Shered-Cove disbursements this year and unless you think that other expenses are likely to exceed a £10 in this amount can be prepared.
4. I should be glad if in due course you will take action as proposed in your para. 4.

D.
29 March 1927

12. Letter to Hon. Treasurer, Hon. Col. Surgeon, Hon. H. H. R. Gresham and Mr. W. Noye dated 30.3.1927.
13. Memo to Colonial Engineer - 30.3.1927.
14. Special Warrant No. - 30.3.1927.

Col. Pyrie

referred to you for further report,

please, as to the narrow in which you
which of 6/- to 7/- for the making of
one of these traps is calculated

J. Muller

Qy. Col. Secy.

31. 3. 27.

The Hon. Col. Secy.,

The estimate is arrived at in the

following manner.

To removal of lid, cutting and punching petrol tin to form top frame	1/2 hour	
" shaping petrol tin to form bottom section	1/4 "	
" making cone and fitting and attaching handle and gauze to upper chamber, also enamelling trap two coats	2 1/2 "	
	<u>3 1/2 "</u>	
" 3 1/2 hours @ 1/3		s. d 4. 1.
" 6 sq. ft of gauze @ 3d ft		1. 6
" sundries, enamel, wire, solder and tacks		8
		<u>6. 3</u>

J. W. Baseley

Colonial Engineer.

31st March, 1927.

Minute from Hon. Mr. Craigie Halkett of 15.
81. Mar. 1927.

Letter from Col. Engineer 31. 3. 27 17-16

Letter from Mr. H. A. R. Fisher 1. 4. 27 18

g.p. Draft of G.O. Ex. of 31.3.27 submitted.

2. S.O. no 14 submitted for signature.

3. No. 18-16 submitted.

4. I have not been troubled to any extent by blow-flies at Jelva house this season but my limited experience of these traps shows that

(1) They require very careful adjustment and are being very strongly constructed as easily collapsed or deformed.

(2) They are undoubtedly more successful or at least slightly raised off ground level than if placed at any height and

(3) They are of little use save on a hot or sunny day as the blow-flies are scarce.

J.M.D.

1.4.27

1. G.O. for £15 signed in triplicate.

2. Further action regarding these traps can now await the results of further experiments next season.

5 April 1927

Hon. Treasurer

Please withdraw S. D. of

paid to Col. Secy. for costs.

V. Kelly
Col. Secy.

5.4.27

Col. Engineer

S.W. 106 withdrawn

& M.P. passed to you

H. Cheney
for Treasurer
7/4/27

The Hon. Col. Secy.,

Noted and returned.

Colonial Engineer.

7th April. 1927.

Minute from Hon. Col. Surgeon of 6. April. 1927 19.

Yr. S. Chittred.
Yr. Secy.

8.4.27

Next season's Experiments
can be awaited.

8 April, 1927 9.9.12.27
9.4.27.

20-24

Pr. from C.A.S. of 11 Feb. 1927

Non Recusor. For note

Further provision under Misc
new item. No get will be required?

GRG

Dr/Sec

30 April 1927

Hon. Sol. Sec.

Noted.

2. That is so.

M. Braque Kalketer
Secs.

2. 4. 27

V.B.

Submitted.

2. An additional special warrant
will be prepared when actual cost
of this service is known.

GRG

Dr/Sec

3rd May 1927

V. Jue

4. 5. 27

Material as detailed is ready

24-20 received and handed to

G. pd returned on 11. 6. 27

Jue

11. 6. 27

4 3. 10. 27.
L.S. 8. 27

B.F. 15. 10. 27.
L.S. 10. 27.

4 5. 11. 27.
L.S. 10. 27.

4 7. 12. 27
L.S. 11. 27

Hf. 20/12/27.
a. 28 9/12/27.

4 18. 1. 28
L.S. 23. 12. 27

The summer of 1927-1928 has
so far been almost entirely without
sun at any experience the latter bit
has been conspicuous mostly by their
absence

P. M. 28
29. 1. 28

C.S.O. No. 89/57.

Inside Minute Paper.

Sheet No. _____

Ref (10) was taken out on 31.07.63
in view of a Revival Campaign
against this being discussed
7.00-8.00.

EXTRACT FROM ENCLOSURE TO SECRETARY OF STATE'S
DESPATCH No. 141 of the 30th of December, 1926.

September
1926.
Vol.3 No.3.

7. Trapping has already been tried but without marked effect. A description of the trap which experiments in Australia have proved to be the most efficient and which is at the same time simple to construct, is given in the Journal of the Department of Agriculture of West Australia. Copies of this publication are not available but the Crown Agents have made arrangements for the reproduction of 12 copies of a description and drawing of the trap; and these will be sent to the Colony. They have also arranged for 12 traps of the West Australian pattern to be made; and these, together with a supply of wire gauze sufficient to make 50 additional traps will be despatched early in January. The traps are intended for use at Government House and Sullivan House (the residence of the Colonial Secretary), which are situated to the West of the town and are especially heavily infested with flies in the months of February and March.

8. When traps were tried about two years ago, poisoned baits were used; but these had the effect of repelling the flies. Experiments were carried out in New South Wales for the special purpose of determining the most efficient bait and it was found that 79.8 per cent of the flies captured were taken in traps baited with bullock's liver. This

bait/

bait is not readily obtainable at Stanley, but the lungs and heart of sheep were also found to be effective, although in a less degree, and might be tried, as well as other forms of bait which experience may shew to be successful in attracting flies in the special conditions to which they have adapted themselves in the Colony.

.

3.

~~10~~

Extract from West Australian Journal

How to make the West Australian Trap.

It is composed of three parts—fly chamber, cone, and reservoir. Take a petrol tin, remove the bottom completely and hammer out rough edges. Then punch eight small holes opposite each other down two sides of one corner to within three and a-half inches of bottom. Along each of the four top edges punch six opposite holes, equal distances apart. These holes are made for the purpose of permitting the fly gauze wire to be sewn on with copper wire. Having made these holes the top and four sides are removed,

leaving a margin of one inch on top and sides and three and a-quarter inches bottom all round. The next operation is to cut a strip of fly wire gauze three feet long by 11 inches wide and fix into position. This is done by wrapping the gauze around the outside of the tin and fixing the two ends by means of wire staples. The staples are pushed through the holes previously punched for this purpose. The top edges are likewise sewn on or stapled on, the wire being pushed through and clinched in the inside. For the top a portion of gauze to fit is cut and sewn or stapled on.

This completed, a wooden stop three-eighths inch by three-eighths inch is nailed into position three and a-quarter inches from bottom all round inside. This stop will be level with the top edge of the bottom cut. Tack same into position from the inside, using one-inch soft nails. These nails pass through the wood, tin, and gauze. They are bent over on the outside, and thus hold the bottom edge of gauze in position.

The making of the cone frame is the next thing to do. Take four pieces of wood one and a-quarter inches by three-eighths inch, and construct to fit the inside square of the trap or tin. To this wooden frame the gauze cone is tacked on the inside. This frame, with cone attached, is movable, and is inserted into the tin until it comes in contact with the wooden stop previously fixed. Across from side to side of cone frame nail one strip of wood one inch by a-half inch. This is used as a grip to pull the frame and cone out when requiring to empty the trap of flies. The fact of the movable cone does away with the need for any opening in trap for emptying out the flies. All that has to be done is to kill the living flies by means of a flame of dry grass, litter, or paper. The cone is then withdrawn and the dead flies emptied out.

How to make cone.—It is best to cut out a paper pattern and then cut the gauze to coincide with it. The cone or pyramid has four sides to it to correspond to the four sides of the trap. The *modus operandi* is as follows:—Strike out a circle on your paper having a 12-inch radius. Measure off on this circle four sections eight and a-half inches long. Draw lines from point to point on the circle, and from each point to the centre. This will give the square eight and a-half inches base of each side of cone, and the centre 12-inch lines indicate where the folds of cone are to be made. A margin three-quarters of an inch wide is left on the fourth side for the purpose of connecting and sewing up with side number one. Do not cut off marginal edges left between the connecting loose lines, as these portions of gauze are required to nail on to cone frame. The completed cone is then tacked on to inside of frame. To admit the flies to trap chamber it is necessary to make a small hole in the apex or top of cone. This is easily done by forcing through a sharpened lead pencil, thus making a hole of the required diameter. The hole should not in any case exceed the diameter of an ordinary writing pencil. To those requiring a ready-made full-size pattern of cone, same may be had on application to the Department of Agriculture.

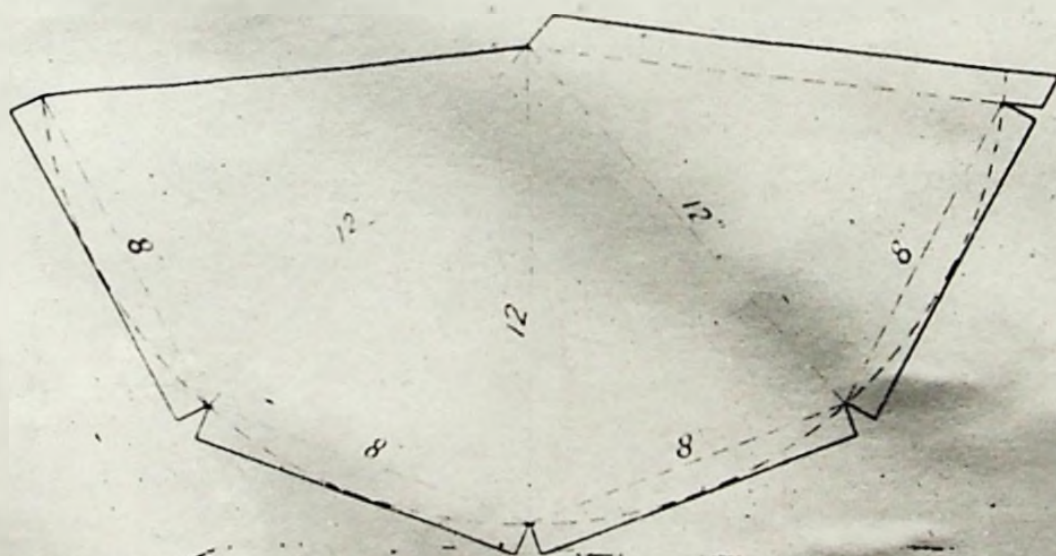
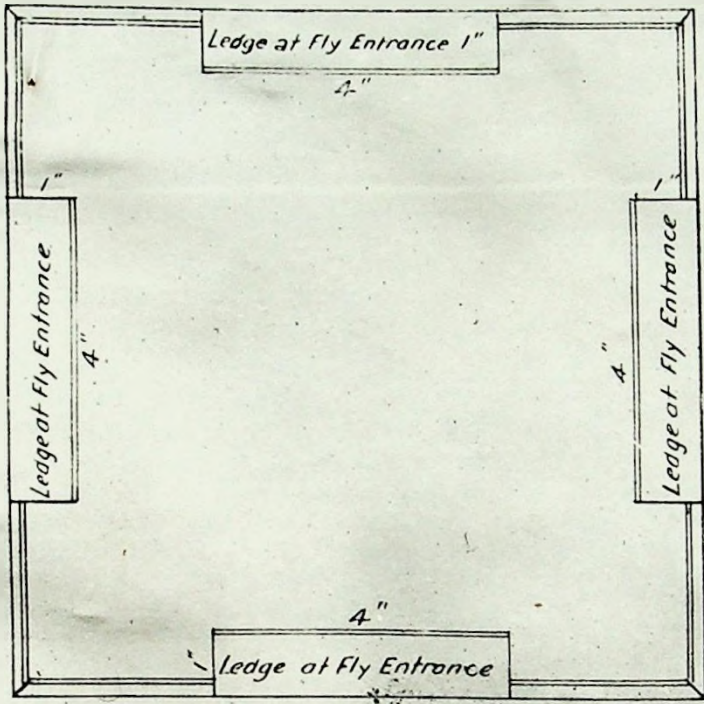


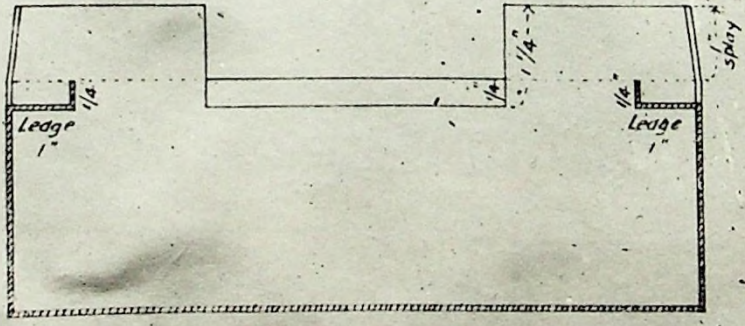
Diagram of cone.

Restroom. This is the third section of trap, and is used for the holding of the lure or bait. To make this portion a second tin is needed. This tin is cut off four inches from the bottom, the balance being discarded. In the centre of each side make two cuts one and a-quarter inches deep and four inches apart from the top edge downwards. The portion of tin between



The 4 corners to be cut down 1" for splay

Plan

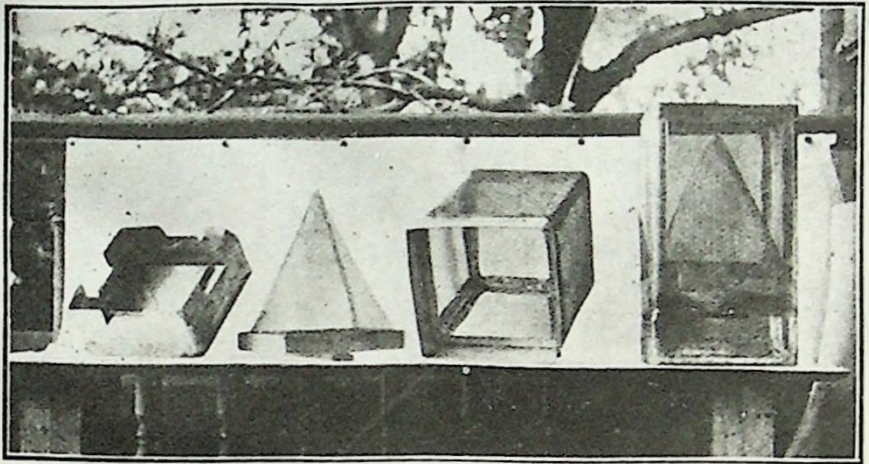


Section

Shewing construction of Reservoir

Fig. 8.

these two cuts is then bent inwards to a horizontal position, the last quarter inch being turned upwards. This gives a leading-in platform for the flies, but the last quarter inch being turned up cuts off the light, and hence prevent the flies from coming back the way they entered. Each corner of the reservoir is cut down one inch and splayed or bent in. The doing of this allows the top portion of trap to slip over reservoir one inch, leaving a quarter inch aperture for the flies to enter. It is essential to see that the corners are not turned in more than the inch advised, otherwise the top will slip over too far and block up the fly entrance.

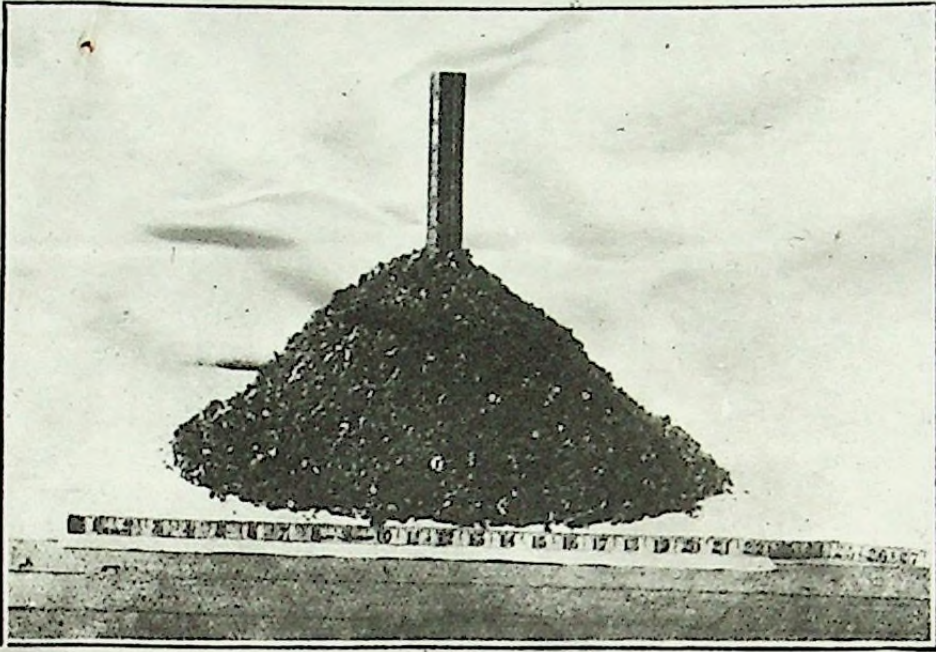


West Australian Trap (showing sections of same).

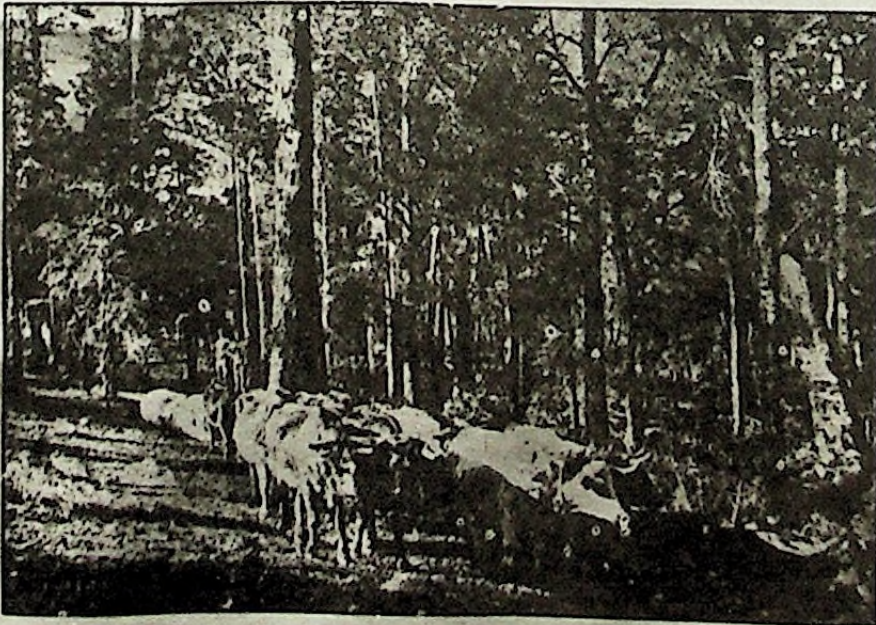
1 Reservoir, 2 Cone, 3 Fly chamber, 4 Complete trap.

Lure or Bait.—Any offal may be used, such as putrid meat, dead rabbits, liver, heart, and lungs of animals, sour putrefying milk, etc. It is necessary to use fairly large portions of bait to obviate visiting the traps frequently. The bait must be kept moist, otherwise it soon dries up and ceases to give off an attractive odour. The animal matter is therefore covered with water and allowed to ferment. There will be in hot dry weather a constant loss of liquid by evaporation, and as it is necessary to have a moist condition in trap it will be incumbent to visit the trap every week during such weather. If the weather is cool and moist traps should only need visiting every fortnight. Keep up the liquid supply in traps and the maggots that may develop in bait from eggs deposited will be drowned. Traps should be placed wherever sheep congregate or where experience has shown that flies abound. Keep traps as close to the ground as possible and securely tied to a stake. To ensure their lasting longer they should be set on small pieces of wood, thus raising them slightly from the ground. It is a good plan to also paint the tin portions both inside and out with a good white paint, thus preventing rusting.

In the making of this trap no solder is used, the whole being done by wiring and tacking; the only tools necessary being a pair of tin snips, saw, and hammer.



This heap of blowflies numbers 200,000, which were captured between the 15th April and the 14th May, in two traps.



5



ALL COMMUNICATIONS
TO BE ADDRESSED TO THE
CROWN AGENTS FOR THE COLONIES.

THE DATE OF THIS LETTER BEING QUOTED,
AND THE FOLLOWING REFERENCE: 2 W/Falk. Is. 2602
TELEGRAMS. "CROWN, LONDON."
TELEPHONE, 7730 VICTORIA.

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



4th January, 1927.

Sir,

11.12.26.

I have the honour to enclose a copy of a letter from Sir John Middleton regarding the supply of fly traps and wire gauze as illustrated in the West Australian Journal of Agriculture for September 1926, pages 386 to 391.

2. Twelve fly traps and sufficient gauze wire to enable fifty traps to be made in the Colony are being supplied by Messrs. V. & R. Blakemore and a copy of the order, etc. will follow with our usual advice on orders placed.

3. Acting under instructions of Sir John Middleton we enclose 12 copies of the above mentioned extract from the West Australian Journal containing instructions for making the fly traps, &c.

12

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

W. H. Birchall
for CROWN AGENTS.

The Colonial Secretary,
FALKLAND ISLANDS.

x
6/18

WE

C O P Y

4 7
#

SIR JOHN MIDDLETON TO CROWN AGENTS.

Windham Club,
St. James' Square,
S.W. 1.

11th December, 1926.

Gentlemen,

I have the honour to request that you will be so good as to order the following and to charge the cost to the General account of the Falkland Islands:-

- (a) Twelve fly traps as illustrated at page 390 of the West Australian Journal of Agriculture for September, 1926, and of which a full description is given on pages 386 to 389 of the Journal.
- (b) A quantity of wire gauze sufficient for making in the Colony 50 additional traps.

2. It is desired that the traps and wire gauze should be despatched to the Falkland Islands by R.M.S. "Orduna", leaving Liverpool on 6th January.

3. I beg to request that the enclosed copy of the West Australian Journal of Agriculture for September 1926 may be returned to me.

I have, &c.

(SD). J. MIDDLETON.

M.

W

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

Falkland Islands 2602/1.

20 DEC 1926

To:— Messrs. V. & R. Blakemore,
86, Leadenhall Street,
E. C.

From: Falk. Is. General.

FOR THE COLONIES

Quantity.	Description of Articles.	Indent Estimate.			Agents Price.		
		£	s	d	£	s	d
12	Fly traps to design and specification handed to Mr. Kendall.				7	11	0
	Sufficient gauze wire to enable 50 traps to be made in Colony.						
	50 pieces each 39" x 11" 4 1/2" x 9 1/2" = 298 49 1/2	2 1/2	49	16			
	The above material to be shipped by boat sailing on 6th January 1927, as agreed.						
					10	15	1
					1	5	0
					5	12	3 1

Forwarded *Admiral*
with *Ordinance*

V R Blakemore
Jan 4/26

Go on
log
Return of
to be
by
Datable to any rule "Vide our l. No 2 of 4. 1. 27"
One. *Suppl...*
by boat dgt. 6. 1. 26.
with

DG

W.

ADVICE OF ORDERS PLACED.

S

Falkland Islands 2602.

All communications to be addressed to the Crown Agents for the Colonies, the above reference and the date of this letter being quoted.

The Crown Agents for the Colonies present their

compliments to The Colonial Secretary

FALKLAND ISLANDS.

and have the honour to enclose copies of the undermentioned accepted tenders in connection with the indent noted in the margin.

Indent No.

Dated

Dept.

A period of 14 to 28 days should be added to the date promised for delivery, being the time which may elapse between the goods being ready and a suitable opportunity for shipment, and, unless a further advice is sent you, it may generally be assumed that the date promised for delivery in England will not be exceeded.

OFFICE OF THE CROWN AGENTS FOR THE COLONIES,

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

6th January 1927



Firm.	Nature of Goods (and indent item numbers).	Date promised for delivery in England.	Cost. £
V & R. Blakemore.	Fly traps &c. 1-2. <u>Vide our letter No 2 of 4/1/27</u>	By boat sailing about 6/1/27	12. 3. 1.

IHS/

S

DUPLICATE SHIPPING ADVICE.

9

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

Reference **S/** Falkland Is. 2602/1.
 Indent No. --
 Dept. --
 Steamer **Orduna**
 From **Liverpool**
 To **Stanley**
 Consigned to **O.A.G.**
 Date **6.1.27.**
 Special A/c (if any) **General**



NUMBERS OF PACKAGES.	DESCRIPTION OF STORES.	REMARKS.
B988	1 case Fly traps etc.,	

ENCLOSURES.	Packing Particulars.	£	s.	d.
Bill of lading <i>Includes reg. 2589</i>				
Invoice :—				
V. & R. Blakemore		12	8	1
Freight a/c (in duplicate)		1	19	5
To The Colonial Secretary Cost of Insurance Falkland Islands.				
FMR				
		<hr/> £ 14 3 6		

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

FREIGHT INVOICE

INVOICE

(Advice Copy)

W. J. ... 6/11
7 W. 11/11
COMPLETE.

S

The Crown Agents for the Colonies

THE CROWN AGENTS FOR THE COLONIES.

Dr. to Messrs. **V & R BLAKEMORE,**
of **CHARLOTTE STREET, BIRMINGHAM.**

Date **1st JANUARY 1927**

Reference **W/ 2602/1. FALKLAND ISLANDS.**

Indent No. **-- Sir John Middleton's letter dated 11th December 1926**

Special a/c. (if any) **--**

Department **--**

Shipped by S.S. **"ORDUNA" Alexandra Docks, Liverpool.**

or
Date of posting **--**

To be filled in by Contractor.

Item Nos.	Quantity.	Description of Article in wording of Tender.	Weight.			Rate.	£ s. d.			£ s. d.		
			T.	c.	q. lb.		£	s.	d.	£	s.	d.
		<u>O H M S</u> <u>O A G</u> STANLEY FALKLAND IS. R. 2602. <u>B. 988.</u>										
1	12	Traps Fly .				13/-	7	16	0			
2		Gauze wire, for 50 additional traps, 50 pieces each 39" x 11", 9 1/2" x 9 1/2" & 25 1/2" x 13 1/2" . = 298 sq.ft.				3 1/2 d. sq.ft.	3	2	1			
		cwt. 1.2.12 Case pitchpapered 3'7" x 2'9" x 2'1" .					-	17	9			
		Carriage to Liverpool and Cartage.					-	7	3			
										12	3	1

JS

FREIGHT ACCOUNT.

The Crown Agents for the Colonies.

Dr. to Messrs. Greenshields Cowie & Co.,

Date 12th January 1927

Reference 2602 Falkland Is.

Indent No.

Department

Special Account (if any)

Shipped by S.S. "ORDUNA"

From Liverpool

To Stanley

Sailing Date 6.1.27

	Freight as below	Measurement	Weight	£ s. d.
1	Case Fly Traps etc.	20' 6"	<div style="text-align: right;">Rate</div> 70/-	1 15 10
			<div style="text-align: right;">Primage 10%</div> Primage	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 3 7
				<hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <u>£1 19 5</u>

EC

FREIGHT ACCOUNT.

The Crown Agents for the Colonies.

Dr. to Messrs. Greenshields Cowie & Co.,

Date 12th January 1927

Reference 2602 Falkland Is.

Indent No.

Department

Special Account (if any)

Shipped by S.S. "ORDUNA"

From Liverpool

To Stanley

Sailing Date 6.1.27

	Freight as below	Measurement	Weight	£ s. d.
1	Case Fly Traps etc.	20' 6"	<div style="text-align: right; margin-bottom: 5px;">Rate 70/-</div> <div style="text-align: right;">Primage 10%</div>	<div style="margin-bottom: 5px;">1 15 10</div> <hr style="width: 50%; margin: 0 auto;"/> <div style="margin-bottom: 5px;">3 7</div> <hr style="width: 50%; margin: 0 auto;"/> <div>£1 19 5</div>
EC				

Imperial Bureau of Entomology

Head Office at—

Director :

GUY A. K. MARSHALL, C.M.G., D.Sc., F.R.S.

Assistant Director :

S. A. NEAVE, D.Sc.

BRITISH MUSEUM (NATURAL HISTORY),

CROMWELL ROAD, LONDON, S.W. 7

22nd January, 1927.

Sir,

I have the honour to enclose, herewith, a copy of the pamphlet on the trapping of Blowflies which has been kindly supplied by the Agent General for Western Australia. I obtained this at the request of Sir John Middleton who thought that it might be useful to the official who is going to undertake the control of the flies in the Falkland Islands.

I trust that the consignment of parasitised Blowfly puparia which we sent out by the s.s. "Orduna" on the 6th inst. has arrived safely, and that the parasites have already begun hatching out.

I have the honour to be,

Sir,

Your obedient Servant,

Enclos.


Director.

The Officer Administering the Government,
Stanley,
Falkland Islands.

24



ALL COMMUNICATIONS
TO BE ADDRESSED TO THE
CROWN AGENTS FOR THE COLONIES.

THE DATE OF THIS LETTER BEING QUOTED,
AND THE FOLLOWING REFERENCE: 19 P/Misc. Falkland Is. 1
TELEGRAMS. "CROWN, LONDON."
TELEPHONE. 7730 VICTORIA.

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

11th February, 1927.

Sir,

With reference to our letter No.2 of 4th January last regarding the supply of fly traps and wire gauze, I have the honour to inform you that, at the request of Sir John Middleton, we have paid the sums of £1. 12. 6 and £1. 18. 9 in respect of goods supplied by the Army and Navy Co-Operative Society Limited, and Messrs. Watkins & Doncaster, respectively. These amounts will appear debited in our Falkland Islands account in due course.

2. Vouchers, in support of the payments, are enclosed herewith.

I have the honour to be,

Sir,

Your obedient Servant,

W. A. Wickham

for CROWN AGENTS.

The Colonial Secretary,
FALKLAND ISLANDS.

89/27.

30th March,

27.

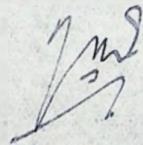
Sir,

I am directed by the Acting Governor to enquire the results of your experiments with the blowfly trap lent to you for the purpose of testing the efficiency of this type of trap for use locally.

I am,

Sir,

Your obedient servant,



Acting Colonial Secretary.

The Hon. Treasurer,

S T A N L E Y.

Mr.W.Noye, Clerk & Storekeeper, P.W.D.
Hon.H.H.R.Gresham, J.P.,
Hon.Col.Surgeon.

89/27.

(It is requested that, in any reference to this minute, the above Number and the date may be quoted).

MINUTE.

13.

30th March, 19 27.

From

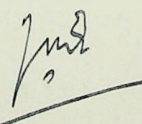
THE COLONIAL SECRETARY,

STANLEY, FALKLAND ISLANDS.

To The Colonial Engineer,

STANLEY.

I am directed by the Acting Governor to attach herewith a letter addressed to Mr. W. Noye, Clerk and Storekeeper in your Department, which I am to request you will be so good as to hand to him.



Acting Colonial Secretary.

14.

Form C.

FALKLAND ISLANDS.

19 **27.**

No. **6/27**

SPECIAL WARRANT.

(Sp) **A. S. Beattie**
Acting Governor.

Date **31st March** 19 **27.**

TO THE HONOURABLE
THE TREASURER.

Whereas it has become necessary, in the interests of the Public service, to incur certain Expenditure, not sufficiently^a provided for in the Estimates, as set forth in the subjoined Schedule,^b in anticipation^c of a vote of the Legislature^d and of the approval of the Secretary of State:—

a. to remain only in case of an excess on a vote.
b. to be struck out if complete authority has been obtained or d if either partial authority has been obtained.

You are hereby, on my personal responsibility, authorized and required to pay from the Treasury the sum of **Fifteen** Pounds
..... Shillings and Pence and to charge it to the Heads and Sub-heads of the Expenditure specified in the Schedule.

And for so doing, this, together with the proper Accounts, Certificates and Acquittances, shall be your sufficient warrant and discharge.

Schedule.

Particulars of Service.	To be charged to		£	s.	d.
	Head.	Sub-Head.			
Cost of 12 fly traps supplied from England and material for the construction of 50 additional traps locally, freight included.	XVI. MISCELLANEOUS.	24. (New item) Measures to combat pest of blowfly.	15	0	0
Secretary of State's despatch No. 141 of 30th of December, 1926.					
A.P. 89/27.					

Signature of the Officer submitting the Schedule for Warrant.

[Signature]
Acting Colonial Surgeon.

Date **30th March,** 19 **27**

(Special warrants are to be prepared in triplicate. One copy to be filed in the Office of the Colonial Secretary, one in the Treasury, and one to be furnished to the Audit).



C.S.No.39/27

TREASURY,
STANLEY, 31st March 1927.

Sir,

With reference to your letter bearing above number and dated the 30th inst., I have the honour to inform you that the results of my experiments with the blowfly trap lent to me have not been successful. The trap was placed on a shelf but I have since been informed that better results would have been obtained had it been placed on the floor, this no doubt accounts for the experiments not having been so successful as they might have been.

2. I consider that the type of trap mentioned would be found efficient if placed in a favourable position.

3. I also experimented with a "Ballon" type trap obtained from Estate L. Williams. This type gave very good results as something like 300 flies were caught in it each day.

I have the honour to be,

Sir,

Your obedient servant.

M. Craigie Walker

THE HONBLE,
THE COLONIAL SECRETARY,
&c., &c., &c.,

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THE COLONIAL ENGINEER'S OFFICE,
STANLEY.



31st March, 1927.

(89/27)

The Hon. Colonial Secretary,

I have the honour
to report as follows regarding the fly trap
lent to me.

The first bait used was sheep's liver
and the results, after three days trial, the
trap being indoors, were practically nil.
The head of a fish in a "high" condition was
then employed as bait and the trap was placed
outdoors in a sheltered position facing the
sun. Excellent results were obtained and it is
estimated that upwards of 400 blowflies were
trapped in 4 days. Cold weather then arrived
and has, it is feared, stopped further experiment
for this season.

I am,

Sir,

Your obedient servant

W. Noyle

Clerk & Storekeeper, P.W.D.

17

No. _____

(It is requested that, in any reference to this minute, the above Number and the date may be quoted).

MINUTE.



_____st March _____ 1927.

From The Colonial Engineer.

To

THE COLONIAL SECRETARY,

(M.P.89/27)

Stanley, Falkland Islands.

The Hon. Col. Secy.,

I beg to submit the attached report from Mr W. Noye, Clerk & Storekeeper, P.W.D., regarding his experiments with the fly trap lent to him.

R. Mansfield

Colonial Engineer.

Stanley, Falkland Islands.

1st April, 1927.

No. 89/27.



Sir,

With reference to the enquiry contained in your letter of the 30th ultimo, I beg to inform you that I consider the blowfly trap suitable for use locally.

2. The flies enter the trap readily and in great numbers. The only difficulty would appear to be to get people sufficiently interested to set the traps properly as if this is not done with a certain amount of exactness the flies get out again towards the evening time.

I am,

Sir,

Yours faithfully,

A handwritten signature in dark ink, appearing to read 'W. A. G. Graham'.

~~W. A. G. Graham~~

The Honourable
THE COLONIAL SECRETARY.
STANLEY.

(19)



FALKLAND ISLANDS.

C.S. No.....

MEMO.

Departmental Number.

From...The Colonial Surgeon.....

X. MEDICAL.....

Date...6th April, 1927.....

To...The Hon. Col. Secretary.....

Reference Numbers.

Ref. 89/27 of 30.3.27. The trap sent to my quarters was not a success. The most efficient trap that I have come across, is one purchased from the Globe Store. The best bait for these traps is port wine or beer, please. I think the Hon. Col. Treasurer will bear me out in this.

q. rec 15

H. W. Deane
Colonial Surgeon.

36 Strand, London,

31/12/26. 19

(20)

Mr John Middleton ^{W.C.2} R.F. C.M.G.
28 Leury St. Sw.1.

Dr. to Watkins & Doncaster.
Naturalists.

PARTNERS:
ARTHUR DONCASTER.
FREDERIC METTÉ.

Cheques & P.O. Orders to be crossed MESSRS COUTTS & CO

2	Pair Tweezer Forceps.		1.6
2	dozen Corked Tubes		
	3 x 3/4"	1/6.	3 .
2	dozen Glass Bottomed		
	Card Boxes.	1 1/4"	9 6
2	dozen do	1 1/2"	10 .
2	" do	1 3/4"	11.6
	Postage.		3 3
			<u>£1-18.9</u>

Ordered by Dr. G. A. K. Parrish, C.M.G.
Sent to Stanley, Galop, Guss,
as directed.

PLEASE RETURN THIS INVOICE WITH YOUR REMITTANCE.

No. DEPARTMENT.

.....25056...

EXPORT ORDER MEMORANDUM.

Army & Navy Co-operative Society, Ltd., Westminster, S.W. 1.

Name and Address }
of Purchaser }

Name and Address }
to which Goods are }
to be sent. }

The Officer
Administering
Sport

Falkland
Islands

Date

Assistant

Ticket No.

Quantity

Price

£

s.

d.

5 yds of
copper
gauge

11 8 9

279

X

the upper
abundant
group

5/1/15

2 up to

change

1/2
1/2

1/2

7017

ARMY & NAVY CO-OPERATIVE SOCIETY, Ltd.,
105, VICTORIA STREET, WESTMINSTER, LONDON, S.W.

EXPORT DEPARTMENT.

Ticket No. _____ Date 31-12-19 26

Name of Member S. A. R. Marshall Esq

Address for Goods:— The Officer Administering
The Government
Stanley
Falkland Islands

Reference Address: 6 Chester Place
Hyde Park Square

DEPARTMENTS.	£	s.	d.	DEPARTMENTS.	£	s.	d.
				<u>4</u>	<u>1</u>	<u>8</u>	<u>9</u>

Respatch Post Mail Certain
Closing 11 am Jan 4th (Ordona)

Post

Cash on account, Packing, Freight, etc. 3-9
£1-12-6

Forwarding instructions:— Parcel Post

No need to insure

S. A. R. Marshall
Signature.

11/11

31-15-1909
P. O. R. Marshall
The Office Administration
The Government
Standing Committee

Charles H. ...
...

189

Proposed ...
...

3-1
1-12-0

Parcel ...
...

...

ARMY AND NAVY CO-OPERATIVE SOCIETY, LIMITED, 33

c.c.o. / 365 105, VICTORIA STREET, WESTMINSTER, S.W. 1.

31. 12. 1926

Received of

Gen. Marshall Esq.

the sum of

One pound 12/6

for

As per order

£ 1 : 12 : 6.

W. Workman:

General Manager and Secretary.

Longford

For Chief Cashier.