

C.S.

PUBLIC WORKS

(Improvement of Stanley)

1923

No. 707/23

Mr. A. A. P. Neave

SUBJECT.

1923

25th September

Previous Paper.

STANLEY IMPROVEMENT SCHEME (Water Supply)

Proposed Trial Boreing.

*Indent 237*

MINUTES.

*Letter from Mr. A. A. P. Neave of 25<sup>th</sup> Sept: 1923 - Encl (1)*

*Y.E. Submitted  
G.R. 13  
O.C. Sec  
27 Sept 1923*

*See. Arrangements have been  
made with C.S.*

*27 Sept. '23*

*Letter from Mr. A. A. P. Neave 19<sup>th</sup> Oct 1923*

*(2)*

*Y.E. Submitted  
G.R. 13  
O.C. Sec  
20 Oct 1923*

Subsequent Paper.

~~Myself~~

O. C. Sec

Please refer to C.S. to whom  
I look for cordial co-operation in  
this work

~~Myself~~ 21 Oct. 23

Colonial Engineer.

Referred

C. H. 17

O. C. Sec

22 Oct 1923

The Hon. Col. Secy.,

The Government have not the  
required machinery.

2. I have approached Messrs The Falkland Islands Co. on the matter and I am given to understand that they have a condemned boiler, also an old/steam winch formerly used on the "Great Britain", and could supply a Worthington pump, at present on board the tug "Samson". It is very doubtful if all the boiler mountings could be supplied as several are known to be broken. The boiler is a Blake with wet up-take of about 5' to 6' diameter and would weigh approximately 6 tons. The winch is an ordinary horizontal type with warping ends and quick whipping drums. Owing to its poor condition it has been replaced. The approximate weight is  $2\frac{1}{2}$  to 3 tons.

3. I could not

3. I could not recommend that steam be raised in this boiler, also difficulty would be experienced in placing the boiler on site. The Consulting Engineer has not mentioned this matter to me but I gather from his letter herein that what is required is a portable hoist and winding machine, capable of lifting a maximum load of 5 to 8 cwt at about 240 ft per minute; the complete set to weigh between  $1\frac{1}{2}$  and 2 tons. Such a set with four carrying wheels and shafts would, prior to 1914, cost f.o.b. Liverpool about £113. To day I should estimate that cost would be about £169 and freight about £10.

4. The expenses in connection with this work have been charged to XVIII. P.W.E., Sub-head 12, Major Works, ~~and the credit balance to date~~ ~~is~~. The account now stands as below:-

|                                 |                          |
|---------------------------------|--------------------------|
| Expenditure to date.....        | 84. 5. 7.                |
| Known liabilities, C/A a/c,     | 10.18. 0                 |
| Est. liabilities, local,        | <u>17. 4. 3</u> 28. 2. 3 |
| Total expenditure & liabilities | £112. 7.10               |
| Amount provided by S.W. No. 1.  | <u>110. 0. 0</u>         |
| Deficit                         | <u>£2. 7.10</u>          |

It is estimated that further expenditure amounting to £108 will be incurred this year and I beg to request permission to prepare a Special Warrant in the sum of £110 to cover.

*R. S. Ascher.*  
Colonial Engineer.

24/10/23.

*28. Submitted.*  
*I have shown above minute to Mr. Neave. He will bring forward alternative proposals after further enquiry.*  
*G. R. G.*  
*Di'ese*  
*23 Oct 1923*



Mr. Neave has a small boiler at  
the Camber which may do. He  
also hopes to obtain the use of a loan  
on line of an oil engine  
To C.S. for S.W. please

ttttt 25 Oct. 23  
Colonial Engineer  
To you.  
G.M. 18  
D.C./Sec  
25 Oct 1923

The Hon; Col; Secretary.

Noted.

2. Special Warrant herewith.

R. B. Basely.  
Colonial Engineer.

27/10/23.

The Hon; Col; Treasurer.

To you accordingly.

R. B. Basely.  
Colonial Engineer.

27/10/23.

Hon; Lt. Secy

With S.W. for £110.0.0

R. B. Basely  
Lt. Secy.

1. Special Warrant submitted.  
G.R.H.  
Di C/Sec  
30 Oct 1923

San Francisco.  
Special Warrant No 41/23  
herewith. G.R.H.  
Di C/Sec  
1 Nov 1923

Col. Engineer,  
S.W. No 41. For 110. withdrawn & paper  
passed to you. A.V.K.  
for Col. & Treasurer  
3rd Nov. 1923. Encl 3

The Hon. Col. Secy/  
Noted and returned  
R.R. Barclay.

Letter from Mr. Keane 9th Nov 1923.  
Col. Engineer  
5/11/23 (4)

2. Submitted with draft telegram in code.  
G.R.H.  
Di C/Sec  
10 Nov 1923.

app. in Ex. 6.  
H.H.H.  
" Nov. '23

No reply has yet been recd. to  
G in Lf 257/23 Please add  
request for that to the telegram

H.H.H. " Nov. '23

Telegram to Crown Agents. 12/11/23. (5)

Extract from the minutes of the meeting of the Executive Council held on the 12<sup>th</sup> November 1923.

It was agreed that the materials should be ordered by telegram.

G.R.H. Brown  
Clerk of the Exec. Council.

Crown Agents Telegram  
of 24<sup>th</sup> Nov 1923 — Encl (6)

V.G. Submitted  
G.R.H. 13  
O.C./Sec  
28 Nov<sup>r</sup> 1923

Indent prepared by Mr. A.A.P. Keane (7)

Indent transmitted to Crown Agents  
6 Dec 1923 (8)

Telegram from Crown Agents 6 Dec 1923 (9)

Telegram to Crown Agents 7 Dec 1923 (10)

Colonial Engineer.

Will you please sign special warrant and pass to Treasurer if correct.

G.R.H. 13  
O.C./Sec  
27 Dec 1923

The Hon. Col. Secy.,

S.W. signed and passed to  
Treasurer accordingly.

*R. W. Stanley*  
Colonial Engineer.

10/12/23.

*V.E.* Special Warrant submitted.

*G.H. 17*  
*Oic/sec*  
*13 Dec 1923*

S. W. signed.

Please resubmit when this  
has been dealt with for a further  
despatch to the P.O.P. *then C*  
*Rep. with the copy of the previous*  
despatch should be put up here in

*much 11/12.*

*TTTT* 13 Dec. 23

*For Treasurer.*  
*Colonial Engineer*

*For usual action.*

*G.H. 17*  
*Oic/sec*  
*14 Dec 1923*

Col. Engineer

S.W. No 47 for £430 withdrawn  
and passed to you accordingly.

*V.A.*  
*for Treasurer,*  
*17/12/23*





Despatch to S. of S. no. 2 of the  
3rd. January, 1924. End. (15)  
Advice of Orders placed of 30<sup>th</sup> Nov 1923 - End (16)

Colonial Engineer.

For note.

G.M.H. 13

Di' C/Sec

10 Jan'y 1924.

The Hon; Col; Secretary.

Noted and returned.

*Ambrady.*

Col; Engineer.

Letter from Mr. Allen Colonial Office.  
14/1/24.  
29 Nov-1923 (17)

Letter from Dr. Baker 23<sup>rd</sup> Nov 1923 (17a)

V.E. Submitted.

To pass to Mr. Neave on his  
return to Stanley?

G.M.H. 13

Di' C/Sec

15 Jan'y 1924.

Ys please.

16 Jan. 24

M. A. P. Neave.

To see

G.M.H. 13

Di' C/Sec

16 Jan'y 1924.

Returned at request  
16/1/24.

C.S.O. No. 707/23.

Inside Minute Paper.

Sheet No. 6

Advice of Orders placed of 18<sup>th</sup> Dec 1923 - Encl (18)  
Advice of Orders placed of 21<sup>st</sup> Dec 1923 - (19)  
Original advice of shipment of 10/1/24 - (20)

Colonial Engineer  
For note  
G.R.H. B.  
Di'ser  
14 Febry 1924

The Hon. Col. Secy.,

Noted and returned.

*R.M. Mascher*

Colonial Engineer.

16/2/24.

Mr. A.P. Meane,



Returned to you  
G.R.H. B.  
Di'ser  
16 Febry 1924

Minute from Colonial Engineer 11<sup>th</sup> March 1924 (20)

Minute from Ag Governor to C.E. 28 Febry 1924 (20a)

Conditions of hire of oil engine from  
Cameron & Greenhields 27 Febry 1924 (20b)

Description of case containing engine. (20c)

Inventory of parts & spares prepared  
by Colonial Engineer (20d)

Colonial Engineer.

Will you please sign inventory.

G.R.H. B.  
Di'ser  
13 March 1924

The Hon. Col. Secy.,

Inventory signed.

*R.M. Mascher*  
Colonial Engineer.  
13/3/24

Letter to Capt Cameron. 12 March 1924 (21)

Mr AAR. Howe.

Paper returned.

G.R.H. 13

Dir/Sec

12 March 1924

Progress Report of 18 January 1924 — Encl (22)

Progress Report of 13 February 1924 — " (23)

Advice of Orders placed of 22nd Jan: 1924 (24)

Colonial Engineer.

For withdrawal of duplicate  
of Encl 20. G.R.H. 13

Dir/Sec

10 April 1924

The Hon. Col. Secy.,

Duplicate of Encl. 20 withdrawn.

*Approved*

Colonial Engineer.

15/4/24.

Mr. AAR. Howe.

Paper returned

G.R.H. 13

Dir/Sec

15 April 1924

Returned

6th May 1924

*RS.*

Colonial Engineer.

Passed to you at your  
request G.R.H. 13

Dir/Sec

6 May 1924

The Hon. Col. Secy.,

I am given to understand that the work  
of boring has now been completed and that the  
engine can be removed and returned to San Carlos  
at any time.

## Statement of Account:

|                           |                  |
|---------------------------|------------------|
| Amount on estimates ..... | 100. 0. 0        |
| Expenditure to date ..... | <u>91. 14. 4</u> |
| Balance .....             | <u>£8. 5. 8</u>  |

## Known Liabilities:

|                                |                 |           |
|--------------------------------|-----------------|-----------|
| Local .....                    | 21. 3. 0        |           |
| C/A a/c, January, Piping ..... | <u>58. 8. 0</u> | 79. 11. 0 |

## Estimated Liabilities:

|   |                    |                   |
|---|--------------------|-------------------|
| Hire of engine .....                                    | 2. 0. 0            |                   |
| Removing & packing engine .....                         | 14. 0. 0           |                   |
| C/A a/c February, engine,<br>boring rods, freight ..... | <u>173. 5. 2</u>   | 189. 5. 2         |
|   |                    | <u>268. 16. 2</u> |
| Balance on vote as above .....                          | 8. 5. 8            |                   |
| Further amount required .....                           | <u>£260. 10. 6</u> |                   |

I would request permission to prepare a Special Warrant in the sum of £261 to cover the above liabilities. The accounts for boring rods and engine are not yet to hand, but I am informed that the Crown Agents' accounts for January have been received by the Treasury. No allowance has been made for other expenditure.

*R. S. S. S.*

Colonial Engineer.

6/5/24.

*Report by Mr. A. A. P. Neave 25 April 1924 (25)*

*E. P. Submitted*

*E. P. S.*

*6 May 1924*

*T. M.*



Y.H.  
Submitted

C.S.

The ~~Crown~~ <sup>Crown</sup> Account should have been received by now. Will you please state the further amount required giving the total expenditure incurred and showing separately the amount <sup>if any</sup> which has been expended on ~~the plant~~ <sup>the plant</sup> which is still of use.

The total expenditure appears to be a paper charge against XVIII 8 and not against item 13

*W.H.* 13 May 24

Notice of Bakers Forwarded of 19<sup>th</sup> Feb 1924 - Encl (26)

" " " of 26<sup>th</sup> Feb 1924 - " (27)

Notice of Amendment to Contract of 13<sup>th</sup> March 1924 - " (28)

Original Advice of Shipment of 10/4/24 - " (29)

S of S despatch No 18 of 18<sup>th</sup> March 1924 - " (30)

Minute from Col Treasurer of 10<sup>th</sup> May 1924 - " (31)

Original Advice of Shipment 13/5/24 - " (32)  
The Hon. Col. Secy.,

I have enquired from the Ag. Colonial Treasurer and find that the total charges as yet received in connexion with the boring plant amount to £162. 13. 3.

From Duplicate Advices there is a further £83. 17. 9 yet to be brought to account, making a total of £246. 11. 0.

Should further boring require to be undertaken the gear, with/

gear, with the exception of a few lengths of lining  
 tube, could be used again. I should/estimate the value of  
 serviceable plant to be at least £210.

The engine has not yet been received.

2. Mr Neave informs me that the Campbell oil engine can now be removed: This will be done when Mr Skelton returns.

3. Statement of Account.

By known liabilities, C/A... 254. 15. 5

By hire of engine, removing  
 and packing and local  
 expenditure ..... 38. 0. 0

Balance on vote ..... 292. 15. 5  
 8. 5. 8

Further amount required... £284. 9. 9

4. Should further preliminary expenditure be contemplated an additional amount would be required. I would suggest £15. 10. 3. for unforeseen, making the S.W. for £300.

5. With regard to the charge of £15. 19. 7 referred to in the Ag. Treasurer's minute of 10/5/24, no particulars are to hand in this office. This charge is not connected with indent 237. A. Financial Requisition under XVIII. P.W.E., item 8 will be submitted to cover this amount.

6. Duplicate Shipping Advice of 13/3/24 withdrawn.

*W. P. Ascher*  
 Colonial Engineer.

20/5/24.

Y.E. Submitted that the expenditure in connection with the trial borings is a proper one to charge against XVIII & for which £1750 is set down and not against item 13 Major Works incidental Expense £100 The latter vote was required for all petty expenses such as labour for taking levels, the making and printing of general plans, instruments for surveys etc.

2. The new engine purchased should properly be charged to a Plant Vote and not Water Supply or Drainage It is the first mechanical power supplied to the P.W.D. and should be useful for many works - stone crushing for roads pumping etc. etc.

3. From an examination of (14) and (25) Y.E. will observe that Mr. Neave recommended the purchase of boring plant and appliances more particularly for further boring in two bore holes carried by man power to a depth of 33 and 15 feet respectively After considerable work the former has been carried to 35 ft. by power and the vicinity of the latter only to 18 ft. by hand that is 2 ft. of progress only has been made. Mr. Neave blames the local workmen

for not knowing how to do the work of boring but it appears regrettable that the possibilities should not have received further examination, after the expenditure incurred, without abandonment

~~11/11/23~~ 26 May 24

H.C.S.

It will be necessary some time to have a head for plans required for works in connection with improvement of Stanley. A road roller is also required & I am sending correspondence on the subject. I think boring plant should be charged to a special head for 'plans'. The roller can also be charged to it and any other plant required.

2. The Comm agent for the water scheme can be charged to Head XVIII 8. if funds are available to form a special head will be necessary.
3. The New engine will be useful for other work later and I shall take an early opportunity of speaking to Mr. Mann about boring.

M. 31 May 1924



Q.

Please note instructions in  
para. 2, above.

2. It is not possible yet  
to determine the amount required  
for <sup>large</sup> ~~the~~ plant but it will  
probably be not less than £1500

~~W.H.H.~~ 2 June 24

The Hon; Col; Secretary.

Noted.

F.R. for £320 submitted accordingly.

~~W.H.H.~~  
Col; Engineer.

5/6 /24.

The Hon; Col; Treasurer.

Requisition to Incur under XVIII. 8.

herewith.

~~W.H.H.~~  
Col; Engineer.

5/6/24.

Y.R. 7. R. for £320 submitted

~~W.H.H.~~ 9 June 24  
9 June 1424

Hon. Col; Treasurer.

Colonel Engineer,

For usual action.

Col. B.  
for Col.

11 June 1924

The Hon. Col. Treasurer,

Noted and passed to you.

R. R. S. S. S.  
Colonial Engineer.

12/6/24.

Hon. Col. Sec.

L.R. No 51 withdrawn.

V. A.  
for Treasurer.  
14/6/24

Note:

Mr Neave has promised to make a  
further report to effect that it will  
serve no good purpose to continue boring  
experiments. This has not yet been  
received. OK

12 July 1924

Note Paper returned after circulation  
to members of Executive Council.

Letter from Mr. A. A. Neave 21 July 1924 (34)

E. E.  
Submitted.E. E. 13.  
for C.S.  
23 July 1924

H.C.S.

Information

5 August 1924.

Encl 2 to G. I. Dept 11/25 of 14 Aug (35)

Minute from Ag Treasurer of 10<sup>th</sup> Sept 1924. — 1924 Encl (36)

Hon. Ag. Treas.

Adjustment Vouchers signed

The question of disposal of the boring  
plant will be dealt with a return  
of this

15 Sept. 24

Hon. Col. Sec.

Adjustment Voucher No. 22.

withdrawn accordingly.

Mr. Traill Harkness

Ag. Treas.

17.9.24.

Ch. It seems advisable to send  
the plant which is practically unused  
back for disposal but will you please  
give your opinion.

18 Sept. 24

The Hon. Col. Secy.,

The following is a summary of costs as  
shewn on Invoices etc. herein.

(A) Boring gear, rods, drills,  
flush joint pipes, etc.

|                             |           |            |
|-----------------------------|-----------|------------|
| Cost .....                  | 103. 7. 3 |            |
| Inspection .....            | 2. 11. 8  |            |
| Freight & Insce Charges ... | 3. 11. 2  | 109. 10. 1 |

(B) Engine and Spares:

|                             |           |          |
|-----------------------------|-----------|----------|
| Cost .....                  | 58. 16. 5 |          |
| Inspection .....            | 2. 2. 0   |          |
| Freight & Insce Charges ... | 5. 2. 3   | 66. 0. 8 |

Carried Forward.. £175. 10. 9

Brought Forward.....£175. 10. 9

## (C) Armoured Hose:

|                         |              |          |
|-------------------------|--------------|----------|
| Cost .....              | 4. 19. 7     |          |
| Freight & Insce Charges | <u>15. 0</u> | 5. 14. 7 |

## (D) Galvd. Iron Piping, 2":

|                         |                 |          |
|-------------------------|-----------------|----------|
| Cost .....              | 58. 8. 0        |          |
| Inspection .....        | 2. 2. 0         |          |
| Freight & Insce Charges | <u>9. 18. 4</u> | 70. 8. 4 |

£251. 13. 8

2. With regard to the return of unused gear, under (A), the whole could not be returned. I believe the principal parts have been used, the rods, flush joint pipes and unused drills might be returned. I would suggest that the suppliers be asked if they will accept the gear, if returned, and credit this Government accordingly. I do not expect they will give first cost price: Should they do so, probably £50 or £60 might be realized after all expenses have been paid and goods delivered at works. After obtaining this information it might be decided whether it would be advisable to ship the gear to England or to retain it.

3. I believe it is thought advisable to retain the engine (B).

4. I would suggest that (C) and (D) be retained as being useful material, especially the Galvd. iron piping.

*W. J. Sarsby.*

Colonial Engineer.

23/9/24.

*Ch. Will you please detail what articles under (A) could not be returned. Any wear could only have been slight*  
*24 Sept 24*



The Hon; Colonial Secretary.

The following is a list of gear, under  
(A) which has not been used and is at present in the P.W.S  
Store.

|    |  |           |
|----|--|-----------|
| 9. | Artesian Boring Rods                           | 10' Long. |
| 6. | Spare screws.                                  |           |
| 8. | Flush joint pipes <del>3 1/2</del> 3 1/2" dia. | 8' - 10"  |
| 4  | " " " 4 1/2" "                                 | 10' - 0"  |
| 1  | " " " "  | 6' - 0".  |

2. I believe Mr Neave lent, the rods etc which were  
used on the Common, to The Falkland Islands Co.

*W. M. Stanley.*  
Col; Engineer.

2/10/24.

*J.B.*

*Submitted*

To ask the C.A. whether the  
makers will repurchase the gear  
or alternatively whether sale to another  
Company can be effected?

2. I know nothing of the alleged loss  
to the F.I.C. but enquiries will  
be made.

*TTTTT* 8 Oct. 24

*Mr.*  
10 Oct 24

*C.A.* I cannot connect the articles  
mentioned by you with the invoices  
or find out exactly what material if  
any is unaccounted for. I have  
spent some time trying to do so. I have  
asked the Manager F.I.C. by telephone to  
return any material they have borrowed  
*TTTTT* 28 Oct. 24

The Hon; Colonial Secretary.

Various articles , recently found in the shed near Spring Padlock, have been placed in the P.W.Store awaiting further instruction as to disposal.

2. I beg to submit herewith, on separate sheet, <sup>(37)</sup> abstract of invoices from Messrs R, Richards & Co. originals are contained herein.

*R. B. Stanley*  
Colonial Engineer.

28/II/24.

*C.S.*

*To all the material now  
accounted for and in your store?  
I suppose even the used material is equal to  
new.* *2 Dec. 24*  
*TTTTT*

The Hon. Col. Secy.,

All the material, as per invoices, is now accounted for and has been cleaned, oiled and placed in the top store.

2. The used material, as far as utility is concerned, is equal to new, but cannot, I fear, be described or offered for sale as new.

*R. B. Stanley*  
Colonial Engineer.

II/12/24

*Letter to Brown Agents, 12/12/24. (38)*

*O.D.C./C.S.O.*

*The plans purchased for Water Works  
has been purchased charged to Improvements  
works*

Application has been made (M.P. 380/25)  
for plant spares, stores etc as detailed  
in attached lists (excepting articles marked X)  
which have been to the Government works  
& action should now be taken accordingly.

Yr.

14 May 1925

Colonial Engineer.

Will you please arrange for  
handing over the plant spares, stores  
as authorized.

Yr. O/S  
Officer

15 May 1925

Lost

O.I.C. / C.S.O.

Noted. The 5½ B.H.P. oil engine; spares;  
water tubing; amoured suction hose have been  
handed over accordingly. The tarpauline  
is at present covering guano in the shed at the  
back of Government House.

2. Copy of letter sent to Messrs Cameron &  
Greenshields re the return of the 7½ B.H.P.  
oil engine and fittings per the "Afterglow"  
voyage NO. 70 of 2/7/25.

Yr. O/S  
Col; Engineer.

4/7/25.

Grown Agents letter of 27 May 1925 - Encl (41)

Executive Engineer

Referred for your recommendations.

Yr. O/S  
Officer

17 July 1925

Hon. Colonial Secretary.

With reference to enclosure 4I, it is submitted that the offer of Messrs E. Richards & Co. to repurchase the boring gear and lining tubes at the prices quoted be declined.

2. The total cost to the Government of the material landed at Port Stanley was £109. 10. 1., and the realisation on the sale after payment of all expenses would only be approximately £20 (or less), as statement attached. (15)

3. Although at present no use is foreseen for this material, work may arise on the Improvement Works during the next 2 years on which it would pay to utilise the tools and tubes rather than sell at the price as offered.

*E. Roberts*

Executive Engineer.  
21st July, 1925.

*U. Submitted*

*9/2/25*

*Dir/Secy*

*22 July 1925*

*D.I.C./C.S.O.*

*amount*

*My sal*

*The ~~price~~ which would be realised is very small & as it is possible that occasion might arise for using tools & tubes they should be returned.*

*2. Comm. Agts can be informed that it has been decided not to dispose of the boring ~~tools~~ tools & tubes.*

*23 July 1925*



Letter to C.A.S. 28 July, 1925. (16.)

Advice of Orders placed of 11<sup>th</sup> May 1925 - Encl (17)

Advice of Orders placed 8<sup>th</sup> May 1925 - Encl (18)

Executive Engineer.

For info

applied

10/8/25

10 Aug 1925

Hon: Colonial Secretary.

Noted and returned.

G. Roberts.

Exec. Engineer.

4 Aug: 1925.

Original Advice of Shipment

15 July 1925

(19.)

Executive Engineer.

For info, will you please  
withdraw duplicate advice of  
shipment.

EN. 13

10/8/25

10 Sept 1925.

Hon: Col: Secretary.

Duplicate shipping advice  
withdrawn for retention.

Original shipping advice.

(Enclosure 19 for 1 bundle steel.

withdrawn for checking of stores -  
to be replaced at later date.

G. Roberts.

EXECUTIVE ENGINEER, IMPROVEMENT WORKS.

15/7/25.

Executive Engineer.

For with drawing of duplicate of  
Encl 19. Original does not appear  
to have been returned to this office.

W.H. 13  
O.C./C.S.O.

12 Oct 1925

O.C./C.S.O.

Duplicate withdrawn.  
Original (Enclosure 19) replaced  
in locket.

G. Roberts.

EXECUTIVE ENGINEER, IMPROVEMENT WORKS.

14/10/25.



1396

(1)

Port Stanley,

FALKLAND ISLANDS.

25th September, 1928.

STANLEY - Improvement Scheme.

Sir,

With reference to recent conversation with His Excellency the Acting Governor on the subject of water supply, I propose that a few trial bores be made on sites to be pointed out on the Common as a charge to the preliminary investigation work.

I am,

Sir,

Your obedient Servant,

The Honourable

The Colonial Secretary,

STANLEY.



Port Stanley,

FALKLAND ISLANDS.

19th October, 1923.

STANLEY - Improvement Scheme.

Sir,

With reference to my interview with His Excellency The Acting Governor at Government House this morning I beg to request that arrangements may be made for a steam boiler and winch to be temporarily fitted up at No: 1 bore hole site (i.e. roughly 250 yards and South of the Spring Paddock), also a small steam donkey pump with about 30 ft: of  $1\frac{1}{2}$ " section.

In view of the comparative shortness of the Summer season it is very important that this should be done at the earliest possible date so that boring operations may be continued and investigations advanced as quickly as possible.

I am,

Sir,

Your obedient Servant,

A handwritten signature in dark ink, appearing to read "W. B. Mearns". The signature is fluid and cursive, with a horizontal line drawn underneath it.

The Honourable

The Colonial Secretary,

STANLEY.

...PUBLIC WORKS.....Department.

Date. 27th..October...1923.

To

THE HONOURABLE COLONIAL SECRETARY.

I have the honour to apply for a Special Warrant for £110.....  
on Head..XVIII.. Subhead..12.....

The present state of the Vote is as follows :-

|  | £          |
|--|------------|
| Amount provided in Estimates .....           | ...        |
| Special Warrant already issued No. 1.....    | 110 .      |
| " " " " " " .....                            | ...        |
| Actual Expenditure to date .....             | 78 .11 . 6 |
| Outstanding Liabilities incurred.....        | 28 . 2 . 3 |
| Balance remaining on vote .....              | 31 . 8 . 6 |
| Estimated Expenditure to 31st December ..... | 220 .      |

.....  
Head of Department.

Colonial Engineer .

Comments of  
Treasurer.

*With CS 707/23*

*B. Thompson*  
30.X.23.

EXPLANATIONS.

(If general authority has been given for the Expenditure the number of the Minute Paper and the Secretary of State's despatch, if any, should be quoted).

Vide C.S.707/23.



9<sup>th</sup> November 1923

Stanley Improvement Scheme

Sir,

In connection with my preliminary investigation re. water supply and my conversation with H. E. the acting Governor I beg to request that the following plant may be ordered per telegram for delivery by mail but due at Port Stanley early in January:-

- 15 No Artesian well boring rods 10 feet long 1 1/4 inches square and one 5 feet and 1 top length.)
- 1 each T chisels 7 1/4", 5 1/4", 4 1/4" & 3 1/4" } + 6 share make
- 1 " X " 5 1/4", 4 1/4" & 3 1/4" } SCREWS
- 1 " clay augers 5 1/4" & 3 1/4"
- 1 " shoe nose valve shell 5" & 3"
- 70 feet lining tubes flush joint lengths 6 to 10 feet  
external diameter 5" and 70 feet ditto  
4"
- 1 No Portable 6 Brake Horse oil engine slow or moderate speed agricultural type on wheels and 25 feet belt
- 30 feet Armoured 3" suction hose
- 1200 feet Galvanised water pipes 2" diam. screwed sockets

Yours faithfully

ARTHUR BOWE

Assoc. M. Inst. C.E.

The Hon

The Colonial Secretary  
Stanley.

707/23.

(5)

## TELEGRAM.

*From :* The Colonial Secretary

*To :* The Crown Agents for the Colonies.

*Dispatched :* 12th November,

19 23. Time 3.45pm

*Received :*

... ..

19 Time.

CROWN LONDON

|             |            |            |            |            |
|-------------|------------|------------|------------|------------|
| UGOYOYAMYS  | YPMABWEDJO | PIDOMZARKA | LIXOWHEOKE | TROIUFEBEM |
| VYBSCAUVDI  | CELCHPRYCU | VUSLILOMOB | VROMOVACHK | ZARKAPICYD |
| AMRIPCODYDI | VUHGYAMRIP | CDYDITYAWN | LERUAAMRIP | VUJCASEGEU |
| MAALDGUCBB  | IBYTACDYDI | FAVEWSUFUP | DOKYBVULHT | VACHKVUGLU |
| VACHKVUEDE  | VACHKVUBGE | VACHKODYDI | FAVEWUYOMI | DOKYBVUGLU |
| VACHKVUEDE  | VACHKVUBGE | VACHKODYDI | FAVEWZARKA | DISZYZARKA |
| CABTEVUGLU  | VOCHKVUBGE | VACHKODYDI | FAVEWRUJGA | NUBOEUIAZZ |
| ROPAGVUHOQ  | VUCFEIBYTA | WAHKAGOYUC | LIWEHUBEHU | HARIUKREDS |
| LERUAVUKAB  | TREEIVUSLI | GICWCVUHOQ | AMRIPWAHKA | GOYUCBWENO |
| VUEUNIBYTA  | CDYDIOMJUC | VUCJACHINE | IUCWAOBUEK | MUIMASENYT |
| AIRUHUBSIF  | OCBOVUCIWO | AMRIPVYMHC | BYDAYIBYTA | VYPIKATEYT |
| VUCFESOFOB  | IUEBTIBYTA | WUGOQGOYVO | IDZEMULXOK | UKVOTVUAEH |
| ESTURQUOBB  | SCAGADYNIE | GNUZO.     |            |            |

## TELEGRAM.

From :

To :

---

Dispatched :

19

Time.

Received :

19

Time.

Meaning:

Urgent. 12th November. With reference to my letter of 5th July No. 257 request you will obtain and forward following materials to arrive early in January, 15 artesian well boring rods 10 feet long 1 $\frac{1}{4}$ " square and one 5 feet and one top length and six spare male screws. One each T chisels 7 $\frac{1}{4}$ ", 5 $\frac{1}{4}$ ", 4 $\frac{1}{4}$ ", 3 $\frac{1}{4}$ ", one each X chisels 5 $\frac{1}{4}$ ", 4 $\frac{1}{4}$ ", 3 $\frac{1}{4}$ ", one each clay augers 5 $\frac{1}{2}$ ", 3 $\frac{1}{2}$ ", one each shoe nose valve shell 5", 3". 70 feet lining tubes flush joint lengths 6 feet to 10 feet external diameter 5" and 70 feet ditto 4". One portable six brake horse oil engine moderate speed agricultural type on wheels and 25 feet belt. 30 feet armoured 3" suction hose. 1200 feet galvanized water pipes 2" diameter screwed sockets.

Colonial Secretary

Falkland Islands.

# TELEGRAM.

n : The Crown Agents for the Colonies.  
o : The Colonial Secretary.

---

Dispatched : 24th November,

1923. Time. 12.50  
p.m.

Received : 25th November,

1923. Time. 10.20  
a.m.

SECRETARY

PORT STANLEY

YCNEXYRCIB WASUSEJWEN

Meaning:

With reference to your telegram of 16th  
November see our letter of 9th November 144.

Crown Agents for the Colonies.

8

FALKLAND ISLANDS.

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

Indent No.\* 237 Date\* 6th December 19 23

Brief description of the goods required.

Indent on the Crown Agents for the Colonies for† Boring Plant.

† Department of the Colonial Government ordering the goods.

required by the † Public Works. Department.

ADDRESS.

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

If necessary that goods be shipped by a fixed date or by a particular vessel enter instructions here and briefly indicate reason for necessity

Estimated total cost in sterling exclusive of packing and freight £ 412 03 0d.

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

Confirming telegram of the 12th November 1923

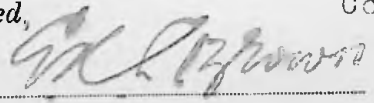
No tin-lined cases to be supplied.

Space for local use only.

Charge to:-

Head XV111  
Sub-head 12

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,  Colonial Engineer. Head of Department.  
for COLONIAL SECRETARY.



FALKLAND ISLANDS.

Page 1

Indent No.\* 237 Date\* 6th December, 1923.

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

| Item No.                                  | Quantity. |      | Description of Articles.   | ESTIMATED COST IN ENGLAND. |                             |    |   | Remarks.  |
|---|-----------|------|--|----------------------------|-----------------------------|----|---|-----------|
|   |           |      |  | Rate.                      | Total.<br>£      s.      d. |    |   |           |
|   |           |      | Artesian Well Boring Plant.  |                            |                             |    |   |           |
| 1   | 15        |      | Artesian Well Boring Rods 1 1/2" square 10 feet long                             |                            |                             |    |   | Purchased |
| 2   | 1         |      | do do do 5 ft long.  |                            |                             |    |   |           |
| 3   | 1         |      | do do do top length.   |                            |                             |    |   |           |
| 4   | 6         |      | Spare Male screws.to above.  |                            |                             |    |   |           |
| 5   | 1         |      | Tee Chisel 7 1/2"  |                            |                             |    |   |           |
| 6   | 1         |      | do do 5 1/2"   |                            |                             |    |   |           |
| 7   | 1         |      | do do 4 1/2"   |                            |                             |    |   |           |
| 8   | 1         |      | do do 5 1/2"   |                            | 70                          | 0  | 0 |           |
| 9   | 1         |      | X Chisel 5 1/2"  |                            |                             |    |   |           |
| 10  | 1         |      | do do 4 1/2"   |                            |                             |    |   |           |
| 11  | 1         |      | do do 3 1/2"   |                            |                             |    |   |           |
| 12  | 1         |      | Clay Auger 5 1/2"  |                            |                             |    |   |           |
| 13  | 1         |      | do do 5 1/2"   |                            |                             |    |   |           |
| 14  | 1         |      | Shoe Nose valve shell 5"   |                            |                             |    |   |           |
| 15  | 1         |      | do do do do 5"   |                            |                             |    |   |           |
| 16  | 70        | feet | Lining tubes flush joints external diameter 5" lengths 6 to 10 feet per foot     | 4/-                        | 14                          | 0  | 0 |           |
| 17  | 70        | "    | do do do external diameter 4" do do " "  | 3/-                        | 10                          | 10 | 0 |           |
| 18  | 1         |      | Portable 6 H. P. Oil Engine (Moderate speed) agricultural type and 25 feet belt. |                            | 250                         | 0  | 0 |           |
| 19  | 30        | feet | Armoured rubber suction hose 3" per foot   | 9/-                        | 13                          | 10 | 0 |           |
| 20  | 1200      | "    | Galvanised W. I. Water pipes 2" diam. with screwed sockets per foot              | 1/-                        | 60                          | 0  | 0 |           |
|   |           |      |  |                            | 413                         | 0  | 0 |           |
|   |           |      | Estimated freight.   |                            | 20                          | 0  | 0 |           |
|   |           |      | Total Cost.  | £                          | 438                         | 0  | 0 |           |
| <div>Bentley &amp; Co<br/>exp. 1/13</div> |           |      |  |                            |                             |    |   |           |
|   |           |      |  |                            |                             |    |   |           |
| Total estimated cost of the Indent ...    |           |      |  |                            |                             |    |   |           |

9

TELEGRAM.

From : The Crown Agents for the Colonies.

To : The Colonial Secretary

Dispatched : 4th December, 19 23. Time. 6.5 p.m.  
Received : 6th December, 19 23. Time. 10.25 a.m.

SECRETARY  
PORT STANLEY.

KOMYHOLKTY GIONCRAFOQ LOYJULIWEH UBEHUAMTER  
INAUB (? IUDUB) OARNI OBUUXEJWEN.

Meaning:

Your telegram of 12th November Please confirm external  
diameter second lot lining tubes and also Horse Power  
of oil engine.

Crown Agents for the Colonies.

707/23.

TELEGRAM.

10

From : The Colonial Secretary, Falkland Islands.

To : The Crown Agents for the Colonies.

Dispatched : 7th December..... 19 23 Time. 12.45  
p.m.

Received : ..... 19 ... Time. ...

CROWN

LONDON

YAPJEYOOUG CELEFGIOWC RAFOQLOYJU LIWEHUBEHU  
VUEUNIUDUB OBUUXVUJCA DYNIEGNUZO

Meaning.

7th December With reference to your telegram  
of the 4th December boring plant external diameter  
second lot lining tubes 4" horse power oil engine  
6.

Colonial Secretary  
Falkland Islands.

.....PUBLIC WORKS.....Department.

Date..6th..December..1923.

To

THE HONOURABLE COLONIAL SECRETARY.

I have the honour to apply for a Special Warrant for £.430.....  
on Head XVIII. P.W.E. Subhead 12. Major Works

The present state of the Vote is as follows :-

|   | £             |
|---|---------------|
| Amount provided in Estimates .....            | ...           |
| Special Warrant already issued No. ..1/23.... | 110 .         |
| " " " " " 41/23....                           | 110 .         |
| Actual Expenditure to date .....              | 180 . 9 . 2 . |
| Outstanding Liabilities incurred.....         | 465 . 2 . 4   |
| Balance remaining on vote .....               | 39 .10 .10    |
| Estimated Expenditure to 31st December .....  | 650 . 0 . 0   |

.....*923 Basile*.....  
Head of Department.  
Colonial Engineer.

(Comments of)  
Treasurer. } *With CS. 707/23*

*K. Thompson*  
11/11/23

EXPLANATIONS.

(If general authority has been given for the Expenditure the number of the Minute Paper and the Secretary of State's despatch, if any, should be quoted).

*10*  
M/P 707/23

FALKLAND ISLANDS.

No. 51

GOVERNMENT HOUSE,

STANLEY,

18th April, 1923.

My Lord Duke,

To Secretary  
of State No.

112 of the

29th November noted in the margin, I have the honour to transmit,  
1921.

herewith, a preliminary report by Mr. A. A. P. Neave,

From Secretary A.M.I.C.F., on schemes for a Water Supply, and  
of State No.

78 of the 6th Drainage and other measures for the improvement of  
July, 1922

the town of Stanley. An additional copy of the  
report will be forwarded when copies of the plans  
annexed to it are available.

2. It is much to be regretted that the  
preliminary estimates of the cost of a water supply  
show that the project is beyond the resources of  
the Colony and that the complementary scheme of  
drainage must in consequence be abandoned.

3. Mr. Neave has accordingly been requested  
to prepare a modified scheme for the improvement of  
the sanitary conditions of Stanley on the under-  
standing that, for financial reasons, the town must  
remain dependent on water collected from the roofs  
of buildings and that the earth closet system must  
be retained.

HIS GRACE THE DUKE OF DEVONSHIRE,

P.C., K.G., G.C.M.G., G.C.V.C.,

SECRETARY OF STATE FOR THE COLONIES.

4./



4. I desire to record my appreciation of the valuable assistance which Mr. Neave has rendered to this Government in investigating the possibilities of improving the sanitary conditions of Stanley.

I have the honour to be,

My Lord Duke,

Your Grace's most obedient,

humble servant,

J. Middleton.

FALKLAND ISLANDS

No. 87

GOVERNMENT HOUSE,

STANLEY,

5th July, 1925.

My Lord Duke,

With reference to the Governor's despatch No. 51 of the 18th of April, <sup>dealing</sup> ~~dealing~~ with the subject of improvements to the town of Stanley, I have the honour to transmit a further interim report from Mr. Neave relative to the provision of a water supply.

In duplicate

2. I do not think that a proposal in any form that the supply should come from the surface drainage of the common is acceptable, except as a last resort, for obvious reasons.

3. In despatch No. 15 of the 25th of February, 1846, Governor Moody reported that he had caused two wells to be dug to replace a costly scheme for piping water from springs. In the first, after digging down 16 feet through clay of various consistencies a volume of water was found; a second well was dug with success through stony clay, clay slate and quartz rock to a depth of 20 feet. These wells have since been filled up, as have wells in other countries and for the same reasons. If however any considerable supply can be obtained by boring, the water being pumped up by windmill, such as are used/

HIS GRACE THE DUKE OF DEVONSHIRE,

P.C., G.C., G.C.M.G., G.C.V.O.,

SECRETARY OF STATE FOR THE COLONIES.

used with success in the Colony and elsewhere, great economy will result.

4. I have drawn Mr. Neave's attention to the proposition. He has been handicapped by the absence of records of any borings and by not having any boring plant. He wishes to investigate the possibilities, for the water should be pure. A further report will be made in due course.

5. It is proper to state that the absence of any proper index to early despatches from the Colony has precluded an earlier reference to Governor Moody's despatch, to which I have referred.

I have the honour to be,

My Lord Duke,

Your Grace's most obedient,

humble servant,

H. Henniker-Heaton.

13.

707/23.

31st December,

23

Sir,

With reference to the trial borings for water carried out by you, I am directed by the Acting Governor to inform you that it will be necessary to obtain the early approval of the Secretary of State and of the Legislature for the sum to be expended on the boring plant ordered on your recommendation. I am to request that you will furnish, as soon as possible, a report on the result of the borings on which you based your recommendation for the purchase of this plant.

I am,

Sir,

Your obedient servant,

G. R. L. Brown.

for Colonial Secretary.

A.A.P. Neave, Esq.,

Officer-in-Charge of Works,

Naval Depot,

Stanley.

(114)

Port Stanley,

PALM LAND ISLANDS.

31st December, 1923.

PORT STANLEY - Improvement Scheme.  
Water Supply.

Sir,

With reference to the above and further to my requisition dated 9th November, 1923, for supply of boring tools, I beg to forward ~~enclosed~~ <sup>2N° 30, 31, 32</sup> showing results obtained in sinking two 4" trial bores put down during October, 1923 with the few primitive tools available locally.

2. Bore hole site No: 1 is situated near the South West boundary of the Paddock due South of the Spring Paddock Reservoir and roughly 170 feet above sea level. After boring through 25 feet of inservious clay a coarse sandy seam saturated with water which continually rises to the surface of bore and trickles over was encountered. The water bearing seam is only about 1 foot in thickness and overlies blue clay etc. Boring was continued to 35 feet below surface and then stopped.

3. Bore hole site No: 2 is situated on the East side of Sapper's Hill and roughly 100 feet above sea level. After boring through 15 feet of various clays a seam of running sand carrying water which continually rises to surface and trickles over was encountered. (Due to lack of proper tools or lining tubes it was impracticable to continue this bore to a greater depth.)

4. The boring work in these bores and also in a third bore situated on the South side of Sapper's Hill, which was abandoned at 10 feet depth on account of boulders and clay slurry although there is good evidence of a water bearing strata being found underneath if operations are continued) has proved very difficult with the few primitive appliances available locally in part on account of the hard quartzitic sandstone stones and boulders encountered.

5. Both bores, Nos: 1 and 2, have been repeatedly bled out but the water has invariably again risen to ground surface within a comparatively few hours, and the water appears very suitable for potable purposes being a naturally filtered subterranean water and free from impurities.

6. Whilst it would not be expected to obtain an adequate supply from two wells of such shallow depth for the town of Stanley the results obtained fully justify proceeding

further with investigations having regard to local circumstances and requirements. I have accordingly already recommended that further boring appliances should be provided. In any case it may reasonably be expected that a certain amount of water may be obtained from these sources which would somewhat improve present conditions of shortage without involving very heavy expenditure.

7. With regard to the small oil engine requisitioned this should prove a most useful and necessary item of plant for general works programme of improvements apart from actual boring investigations.

8. A further report will be submitted at a later date when further investigations have been made.

I am,

Sir,

Your obedient servant,



The Honourable

The Colonial Secretary,

Port Stanley,

FALKLAND ISLANDS.

Incl:

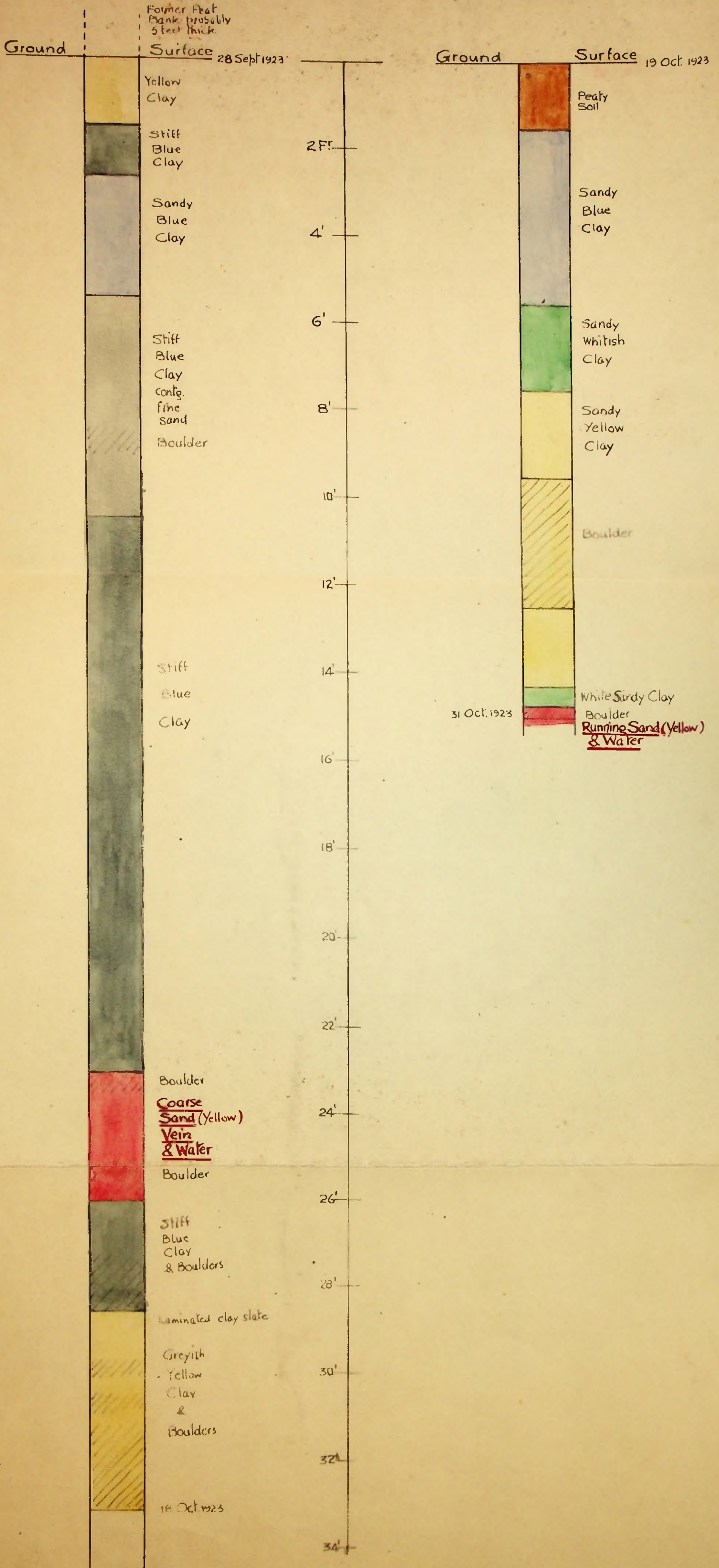
Tracing.

2 No Prints



BORE N°1

BORE N°2



FALKLAND ISLANDS.

No. 2.

GOVERNMENT HOUSE,

STANLEY,

3rd January, 1924.

My Lord Duke,

In duplicate.

With reference to my despatch No. 87 of the 5th of July, 1923, on the subject of the provision of a water supply for the town of Stanley, I have the honour to attach a further report from Mr. Neave relative to boring experiments which he has undertaken.

2. I have watched the experiments from their initiation with Mr. Neave. On the 9th of November he recommended as a result of the success of trial borings with primitive hand plant, that further material to the value of £438 should be purchased. Of this amount £107 was required for boring operations, the balance being for a portable oil engine and piping, required in any event for the Stanley improvement scheme. I received Mr. Neave's assurance that the hospital, Government House and the public reservoir could, as far as it was possible to foresee, be kept supplied with good water.

3. Mr. Neave was anxious to proceed with the work without delay as he will be returning to the United Kingdom this year. I therefore authorized, with the full concurrence of the

Executive/

HIS GRACE THE DUKE OF DEVONSHIRE,

P.C., K.G., G.C.M.G., G.C.V.C.,

SECRETARY OF STATE FOR THE COLONIES.



Executive Council, the purchase of the plant required by telegram. I trust that Your Grace will be pleased to sanction the expenditure. I may explain that Mr. Neave considers that if Stanley can be supplied with underground water the cost will be but a fraction of the expenditure that would be incurred under any scheme of surface catchment and storage.

I have the honour to be,

My Lord Duke,

Your Grace's most obedient,

humble servant,

H. Henniker-Heaton.

Copy of letter.

From:- Messrs. R. Richards & Co.  
To:- Crown Agents for the Colonies.  
Dated:- 28th November 1923.

-----  
Old Barge House Works.  
Upper Ground Street.  
London. S.E.1.

Sir,

We thank you for your invitation to tender for  
Poring Plant, and have much pleasure in enclosing same. In  
reference to the tubes, the 5" ext. Flueh Jointed Tubes would be  
in lengths of 8 to 9ft, but could include a few 5ft lengths if  
necessary.

Re 12 ext.dia.Tubes.

These are an odd size and we cannot give a promise  
of delivery, but offer you as an alternative the following 13" ext.  
dia Steel Socketed Tubes in lengths between 9 and 10ft. including  
1 2ft length.

Hoping to be favoured with your esteemed order.

We remain Sir,

Your obedient servants.

R. RICHARDS & CO.

*all*  
No 171/24

M. P 907/23

(17)

Downing Street,

*29* November, 1923.

Dear Henniker Heaton,

In connection with the water supply question (your despatch No.87 of 5th July and connected correspondence) it was arranged, in consultation with the Governor, that Baker should be asked for his views on the possibility of getting an adequate supply from wells.

Baker has sent me a reply of which I enclose a copy. The Governor suggested that I should sent it to you and that Neave should see it.

Yours sincerely,

*Harold T. Allen*

Dr. Baker  
23rd Nov. '23

H. HENNIKER HEATON, ESQ.,

*Just*

"Wood View"

17a

Grosmont Road,

Plumstead Common, S.E.18.

23rd November, 1923.

Mr. H. T. Allen,

Colonial Office,

Dear Mr. Allen,

In reply to your letter of 21st November concerning the sinking of wells at Port Stanley, Falkland Islands, whilst I willingly say what I can, I do so with a sense that I am really not competent to express an opinion of any high value on such a matter. I can, however, draw attention to certain points.

The quartzite rock around Port Stanley is very hard, and I suppose that the sinking of wells into or through it would be a lengthy and expensive business. It is an impervious rock, but is fortunately jointed, so that water could soak down through these joints to the region of saturation below. I do not think the latter would be found to lie at any great depth as there are springs in the vicinity of Stanley. On the other hand there would be the risk of contamination. There are already a number of ? shallow surface wells in Stanley but these are not used, I believe, and I was told that they were shut down by order of a former Governor in consequence of their becoming contaminated. There is also, of course, the risk of sea-water getting into the rocks. If however sea-water were absent and there was no pollution from the surface I should think the water found would prove to be of excellent quality. It might possibly be somewhat ferruginous. It is very difficult to form a notion of the underground storage capacity of the strata around Port Stanley owing to the geological structure. The

rocks



rocks are arranged in the form of long, narrow troughs, lying practically due east and west. Stanley Harbour lies in such a trough and apparently about in the centre of it. If I had to sink a well I think I would look for a site due west of Stanley Harbour, so as to keep in the trough. I should go westward of the big wireless station and try to find a spot within the trough sufficiently elevated that the bottom of a hole say 50 or 60 feet deep would still be above the level of the water in Stanley Harbour.

If it were proposed to construct a pump-operated tube-well, of about 3 inches diameter, possibly the cost of this would not be too formidable, and in the event of its being a success others could be put down afterwards.

Has the possibility of constructing a larger spring-fed reservoir been considered?

I trust these observations will prove helpful. I wish I could be more useful.

Yours sincerely

(Sgd) Herbert A. Baker.



CROWN AGENTS FOR THE COLONIES.

STATEMENT OF INSPECTION CHARGE.

# ORIGINAL SHIPPING ADVICE.

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

" P. 2. 1687/3 " (This reference and the date of this letter  
B/L etc. should be quoted in all communications.)

(M.P. 707/23)

Colony Falkland Islands  
Indent No. Tele. of 13/11/23.  
Dept. -- Special A/c (if any)  
Steamer Oropesa  
From Liverpool  
To Stanley  
Consigned to The O.A.G.  
Date of shipment 10/1/24.

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

Attention is drawn to the desirability of weighing packages immediately landed, particularly if there be any reason to suspect pilferage or any shortage. Information as to weight is of service when urging claims.

| NUMBERS OF PACKAGES. | DESCRIPTION OF STORES.  | REMARKS. |
|----------------------|---|----------|
| 9741/50              | 2 Cases Rods & Tools }<br>8 " Iron Pipes }<br>76 Galva. Tubes |          |

| ENCLOSURES.        | Packing Particulars. | £   | s. | d. |
|--------------------|----------------------|-----|----|----|
| Bill of lading     |                      |     |    |    |
| Invoice:—          |                      |     |    |    |
| R. Richards & Co.  |                      | 87  | 12 | 3  |
| " Inspection       |                      | 2   | 3  | 10 |
| Edward Smith Ltd., |                      | 58  | 3  | -  |
| Inspection         |                      | 2   | 2  | -  |
| Freight            |                      | 11  | 14 | 7  |
| Insurance          |                      |     | 12 | 7  |
|                    |                      | 162 | 13 | 3  |

The Colonial Secretary

FALKLAND ISLANDS.

Date 8/1/24. J<sup>B</sup>.

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

S

INVOICE.

THE CROWN AGENTS FOR THE COLONIES.

Dr. to R. Richards & Co  
Of Upper Ground Street  
London. S.E.1.  
Date Dec 28/23 192

Crown Agents' Reference, Falkland Is  
i.e., Colony and 1687 (3)  
Reqn. No.  
Dept. Indent Telegram 13.11.23

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. |
| 9.                  | 6         | 15 Artesian Boring Rods etc.                        |         |    |    |     |       |         |    |    |         |    |    |
| -                   | /         | 1 Artesian Boring Rods, 10ft long                   |         |    |    |     | 63/-  | 24      | 15 | 0  |         |    |    |
| 6                   | 0         | 1 Ditto 5ft long                                    |         |    |    |     |       | 1       | 7  | 6  |         |    |    |
| -                   | /         | 6 Spare Screws                                      |         |    |    |     | 7/6   | 2       | 5  | 0  |         |    |    |
| -                   | /         | 1 ea 7 1/2" 5 1/2" 4 1/2" 3 1/2" T Chisels          |         |    |    |     |       | 11      | 11 | 9  |         |    |    |
| -                   | /         | 1 ea 5 1/2" 4 1/2" 3 1/2" X Chisels                 |         |    |    |     |       | 9       | 16 | 6  |         |    |    |
| -                   | /         | 1 ea 5 1/2" & 3 1/2" Clay Augers                    |         |    |    |     |       | 6       | 6  | 0  |         |    |    |
| -                   | /         | 1 ea 5" & 3" Shoe Nose Shells                       |         |    |    |     |       | 7       | 12 | 6  |         |    |    |
| 46                  | 24        | 70 ft of 5" ext dia x 1/2" thick                    |         |    |    |     | 4/9   | 16      | 12 | 6  |         |    |    |
| -                   | /         | Flush Jointed Tubes                                 |         |    |    |     | 4/9   |         | 9  | 6  |         |    |    |
| -                   | /         | Extra 2 feet of ditto                               |         |    |    |     |       | 1       | 16 | 0  |         |    |    |
| -                   | /         | 1 Short Swivel Top Rod, see our letter of Dec 14th  |         |    |    |     |       | ---     | 5  | 0  | 0       |    |    |
|                     |           | Packing and Delivery F.O.B. London                  |         |    |    |     |       | 87      | 12 | 3  |         |    |    |
|                     |           | Eighty Seven Pounds Twelve Shillings & Three Pence. |         |    |    |     |       |         |    |    |         |    |    |
|                     |           | 1 Case of 15. 10ft Rods                             | 8       | 1  | 23 |     | Gross |         |    |    |         |    |    |
|                     |           | 1 Case of all the Tools                             | 4       | 3  | 7  |     | Gross |         |    |    |         |    |    |
|                     |           | lengths of 5" Tubes                                 | 8       | 0  | 0  |     | Gross |         |    |    |         |    |    |
| Carried forward ... |           |   |         |    |    |     |       |         |    |    |         |    |    |

S

# INVOICE.

THE CROWN AGENTS FOR THE COLONIES.

Dr. to Edward Smith Ltd.  
Of Brunswick Tube Works.

Crown Agents' Reference, i.e., Colony and Reqn. No. Falkland Is. 1687/6

Dept.

Date Jan. 4th 1924

To be filled in by the Contractor.

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

Account

Indent No. of 19

Letter No. 257/23 of 19 23

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. |
| 76 Sgles                        |           |  |         |    |    |     | 1/10  | 110     | 0     | 0   |            |    |    |
| 76 Lengths 2" Galvd. Water Tube |           | 1200'  |         |    |    |     |       |         |       |     |            |    |    |
|                                 |           |  | Less    | 45 |    |     |       | 49      | 10    | 0   | 60         | 10 | 0  |
|                                 |           |  |         |    |    |     |       | Less    | 2 1/2 | M/A | 1          | 10 | 3  |
|                                 |           | To C.A. Specn.                               |         |    |    |     |       |         |       |     | 58         | 19 | 9  |
|                                 |           |  |         |    |    |     |       | Less    | 1 1/2 |     |            | 11 | 9  |
|                                 |           |  |         |    |    |     |       |         |       |     | £58        | 8  | 0  |
| Consigned per L.M.&S.Rly.       |           |  |         |    |    |     |       |         |       |     | Nett Cash  |    |    |
| T. C.....                       |           |  |         |    |    |     |       |         |       |     | 10 Days    |    |    |
| 76 Singles E. C. 1. 0.          |           |  |         |    |    |     |       |         |       |     | Due        |    |    |
|                                 |           |  |         |    |    |     |       |         |       |     | Jan. 14/24 |    |    |
| Marked:-                        |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Reqn. O.H.M.S.                  |           |  |         |    |    |     |       |         |       |     |            |    |    |
| 1687                            |           |  |         |    |    |     |       |         |       |     |            |    |    |
| O.A.G.                          |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Stanley                         |           |  |         |    |    |     |       |         |       |     |            |    |    |
| C A                             |           |  |         |    |    |     |       |         |       |     |            |    |    |
| To.                             |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Alexandra Dock.                 |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Liverpool.                      |           |  |         |    |    |     |       |         |       |     |            |    |    |
| For S/S "Oropesa"               |           |  |         |    |    |     |       |         |       |     |            |    |    |
| To the order of                 |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Green Shields Cowie & Co.       |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Liverpool.                      |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Carried forward ...             |           |  |         |    |    |     |       |         |       |     |            |    |    |
| Form P. 338.                    |           |  |         |    |    |     |       |         |       |     |            |    |    |
| 50,000 3/23.                    |           |  |         |    |    |     |       |         |       |     |            |    |    |



## The Crown Agents for the Colonies.

Department .....

From 14772001 To 14772002

S. 13. (60,000/10/23.)

FALKLAND ISLANDS.

C.S. No.....

MINUTE PAPER.

Departmental Number.

From The Colonial Engineer.....

Date 11th March, 1924....

To The Hon. Col. Secretary....

Hire of Oil Engine from Messrs Cameron & Greenshields.

Reference  
Numbers.

The Hon. Col. Secy.,

I beg to submit herewith a letter from His  
Excellency together with:-

Conditions of hire of engine from Messrs Cameron &  
Greenshields;

Loading List;

Inventory of parts received.

2. The oil engine is to be used in connexion with the  
boring plant recently received from England.

3. The engine has been assembled and given a trial run  
in the Dockyard and foundations for same are being laid at  
the bore hole near to Spring Paddock.

*W. S. S. S.*  
Colonial Engineer.

11/3/24.

From His Excellency the Acting Governor

*Colonial Engineer*  
to The ~~Officer in Charge~~ of the Secretariat.

---

Will you please take charge  
of the oil engine described in attached  
and <sup>lined</sup> ~~covered~~ for Messrs Cameron and  
Greenshields on the terms laid down by  
that firm

The parts should be inventoried and  
a full receipt made out

I shall be glad if the engine can  
be put together at the P.W.D. and  
run there before being handed over to  
the Consulting Engineer for use at the  
bores. It is desirable that the engine  
if in running order be conveyed to the  
site where it will be required by the C.E.  
at the earliest possible time



28 February '24

San Carlos N.

East Falklands.

Falkland Islands, I. A.

Feb. 27th.

24.

19

The Colonial Government will hire the 7½ H.P. Campbell Engine from Cameron & Greenshields at a charge of 5/- a week for such time as it is in working position in Stanley.

After three months from March 1st. they will return the Engine to San Carlos N.

Any point as to damage or condition to be arbitrated by A.A. Neave Esq.

San Carlos N  
East Falklands  
Falkland Islands, I.A.

19

Douglas Station.

- 1 Case containing Engine, Crank Shaft, Exhaust & Water Pip
- 1 " " Driving Pulley & Spares
- 1 Flywheel
- 1 Exhaust Box
- 1 Water Tank

San Carlos North.

- 1 Cylinder Lubricator with 2 spare Glasses.

Oil engine obtained on loan from Messrs Cameron  
& Greenshields, San Carlos, North.

Inventory of Parts and Spares.

PARTS.

Campbell oil engine, complete with starting lamp, circulating tank, silencer, piping and I class cylinder lubricator.

Circulating System.

5 pipes, 1½" (12", 13", 3'4", 3'6", 4'8")  
4 bends, 1½"  
2 flanges for attaching to engine.  
3 ~~ring~~ joints, 1½" (on pipes)  
4 sockets, 1½" ( " " )  
1 brass bib cock, (on pipe)

running

Exhaust.

3 pipes, 2" (11", 5', 5')  
1 bend, 2"  
3 flanges, 2" (for attaching to engine and silencer)  
4 holding down bolts.

SPARES.

5 piston rings.  
15 springs.  
1 inlet valve.  
1 Exhaust valve.  
2 worm wheels.  
1 vapouriser.  
2 governor spur gear wheels.  
1 inlet valve chest.  
1 cover for vapouriser.  
2 pins for governor.  
6 nuts, ½"  
5 " ½"  
6 " ¾"  
1 stopper for blow lamp.  
4 set screws.  
1 key for fly wheel.  
1 cam roller and pin.  
2 lamp burners.  
1 trip lever.  
2 strikers.  
1 arvil.  
1 exhaust yoke.  
2 burner rings.  
2 glasses for cylinder lubricator.

*R. S. Ashley.*  
Colonial Engineer.

6/3/24.



707/23.

13th March,

24.

Sir,

With reference to your note dated the 27th of February, containing the terms of hire of the 7½ H.P. Campbell Oil Engine required by the Government in connection with the trial borings for water at present in progress, I am directed by the Acting Governor to inform you that the Government agrees to the terms of hire as stated and to enclose a receipted inventory of the parts and spares of the engine which have been delivered.

2. I am to express His Excellency's thanks for the kind assistance rendered by Mr. Green-shields and yourself in lending the engine.

I am,

Sir,

Your obedient servant,

G. R. L. Brown.  
for Colonial Secretary.

Capt. P. Keith Cameron,  
Rose Hotel,  
Stanley.

OFFICE OF THE CROWN AGENTS FOR THE COLONIES,

Falkland Is. 1687/3

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

22

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, and with reference to the Indent noted in the margin, have the honour to subjoin a copy of a letter authorising amendments to the Contract, details of which have already been forwarded to you.



Indent No. Ag.Col.Sec's Letter  
No. 257/23 dated 5.7.23.

Dept

Item No.

To The Colonial Secretary,  
Falkland Islands.

Date...18th January, 1924.

Messrs. R. Richards & Co.,  
Upper Ground Street,  
S. E. 1.

Gentlemen,

With reference to our order dated 30th November 1923 accepting your tender for the supply of Artesian Boring Rods etc., and in reply to your letter dated 14th December, I have to inform you that we agree to the Swivel Top Rod being supplied at an additional cost of 36s.0d. also to eight 9 ft. lengths of 5" internal diameter tubes being supplied making a total length of 72 feet instead of 70 feet as specified .

2. This will increase the amount of your contract by £2.5s.6d.

Yours faithfully,

For CHIEF ENGINEER (CONTRACTS).

I.D.

W

FALKLAND ISLANDS 1687/3

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

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, and with reference to the Indent noted in the margin, have the honour to subjoin a copy of a letter authorising amendments to the Contract, details of which have already been forwarded to you.

A copy of a letter from the firm is enclosed. Instructions are awaited as to whether the extras described in paragraphs 2 and 3 are required.

Indent No. 237

Dept P.W.D.

Item No. -

To The Colonial Secretary,  
Falkland Islands.



Date. 13th. February, 1924.

Messrs. R. Richards & Co.,  
Old Barge House Works,  
Upper Ground Street,  
S.W. 1.

Gentlemen,

With reference to our order dated 30th December, 1923, accepting your tender for the supply of Artesian Boring Rods, etc., and to your letter dated 1st February, I have to inform you that 70 feet of 4" tubing at the price of 4/6 per foot should be supplied.

The total of the contract with this addition is £98. 7. 3d. plus cost of packing and delivery f.o.b. London, which should be stated when acknowledging this amendment of the contract.

I note that the tubes can be supplied from stock.

With reference to paragraphs 2 and 3 of your letter dated 1st February, we are asking the Colonial Government whether the extras referred to are required and these can be forwarded later should they be ordered.

Yours faithfully,

for CHIEF ENGINEER (CONTRACTS).

COPY OF LETTER  
---oOo---

From:- Messrs. R. Richards & Co.,  
Old Barge House Works,  
Upper Ground Street,  
London, S.E.1.

To:- The Chief Engineer,  
Crown Agents for the Colonies.

Dated:- February 1st, 1924.  
-----

Falkland Is. 1687/3.

We thank you for your letter of the 31st ult., and note that the tubing required is to be 4" external diameter. Our price for about 70 feet of 4" ext. diam. x 1/4" thick with iron protecting rings in all ends, and delivered to docks will be 4/6 per foot nett.

We note that no steel shoe, driving cap or clamps are mentioned for the tubes, and think they should be supplied. Our price for same will be:-

1 Steel Shoe..... 26/-s.  
1 Driving Cap..... 22/6d.  
2 pairs of Clamps..... 30/-s. per pair.

There were also none of these supplied with the 5" external diam. tubes, and should you want same our price will be:-

1 Steel Shoe for 5" ext. tubes ... 33/9d.  
1 Driving Cap ..... 28/6d.  
2 pairs of Clamps ..... 37/6d per pair.  
Packing and delivery to docks 6% extra.

We have the 4" ext. diam. tubes in stock, and can supply the clamps and shoes and caps in two or three days.

Hoping to receive your esteemed order.

Copy of letter.

From:- Ruston & Hornsby Ltd.,  
To:- The Crown Agents for the Colonies  
Dated:- 27th December, 1924.

Sir,

We duly received your esteemed favour of the 14th inst. we have considered the matter carefully and we can offer you in the first place, one of our 5½ BHP Class "AP" Hopper Cooled Petrol Paraffin Engines mounted on a truck as illustrated on page 2 of the enclosed catalogue and provided with standard pulley 10" dia. x 7" wide, speed 430 R.P.M. all for the sum of ..... 252. 6. 0. nett.

25' of 3" three ply Balata Belting 21. 15. 0. nett.

As an alternative to the above we have a slightly cheaper Engine, namely, our Class "PR" as illustrated on the last page of the enclosed leaflet, and our price for 6 BHP. Hopper Cooled Class "PR" Engine all complete, mounted on a truck, and provided standard pulley 10" dia. by 7" wide, speed 460 R.P.M. all for the sum of ..... 245. 13. 0. nett.

25' of 3" three ply Balata Belting 21. 15. 0. nett.

DELIVERY AND PACKING. The above prices include packing for shipment and delivery F.O.B. any Port in England.

We could despatch either of the above Engines in about 1 week from receipt of order, and so we should take the Engine from stock, we could not of course, carry out any special tests.

We give you below the following details of the Engines:-

|                                  | <u>5½ BHP "AP"</u>            | <u>6 BHP "PR"</u>    |
|----------------------------------|-------------------------------|----------------------|
| Engine (make) .....              | Ruston & Hornsby              |                      |
| (type) .....                     | Petrol Paraffin               |                      |
| No. of cylinders .....           | 1                             | 1                    |
| Bore .....                       | 6"                            | 6"                   |
| Stroke .....                     | 9"                            | 9"                   |
| Speed .....                      | 430 r.p.m.                    | 460 r.p.m.           |
| BHP (max) at normal speed .....  | 6 BHP                         | 6½ BHP               |
| Do. (working) .....              | 5.5 BHP                       | 6 BHP                |
| Weight .....                     | 8.5 cwts.                     | 7.2 cwts.            |
| Size of Pulley for Belt Drive .. | 10" dia.<br>7" wide.          | 10" dia.<br>7" wide. |
| Ignition system .....            | Low tensions mag.             | High Tensions Mag    |
| Lubrication System .....         | Sight Feed.                   | Sight Feed.          |
| Method of Governing .....        | Throttle.                     |                      |
| Guaranteed Performance .....     | (Full Load .91<br>( ½ " 1 pt. |                      |

In all commands,

We are, Sir,

Yours faithfully,

RUSTON & HORNSBY LIMITED.



Port Stanley,

FALKLAND ISLANDS.

25th April, 1924.

STANLEY IMPROVEMENT SCHEME.

Report on Possibility of Water Supply from Artesian  
Wells.

---

Sir,

With reference to my submission dated 31st December, 1923., on the above subject I beg to report that I have not made further investigations into the question of the possibility of obtaining a suitable water supply for the town from subterranean sources but the results obtained are disappointing, and I do not recommend that this source of supply be adopted.

In my Preliminary Report, paragraphs 11 and 12, dated February, 1923., I expressed the opinion, "This geological formation is not such as would lead to the expectation of the existence of a good underground supply", and a surface catchment scheme for house to house supply at the rate of 30 gallons per head per diem was put forward at an estimated cost of £34,000. This was ruled out however on financial grounds as being beyond the means of the Colony.

Subsequently various other possibilities were considered with a view to evolving if possible a less comprehensive scheme based on a much lower allowance of water per head per diem, and it was decided to

investigate



investigate the question of the possibility of obtaining a moderate supply from a series of wells and pumps connected to a service reservoir, it being on record that wells were sunk in the early days of the settlement.

There is very little data available as regards the local geological formation as there are no mines, railway cuttings, tunnels, deep excavations or deep wells in existence, but the formation is known to be very highly contorted and folded. Under these circumstances investigatory work is difficult and uncertain, but at the same time this uncertainty leaves open the possibility of finding a bed of water bearing strata (vide paragraph 12 of my Preliminary Report above quoted), success in which latter might provide the required water supply at a relatively low cost.

A shaft sunk to a depth of 18 feet on the East side of Sapper's Hill near No: 2 bore site showed considerable promise in its early stages as a bed of soft sandstone water bearing rock with fossils was encountered underlying the surface clay. It was hoped that this might prove to be an appreciable bed of earlier geological age than the prevalent quartzite and did it extend to any considerable depth the amount of water would doubtless be serviceable. Unfortunately the formation at this site proved to be in the nature of a complete "overfold", and, after excavating through about 10 feet of soft sandstone, peaty matter and the hard grey quartzite was again encountered with a comparatively small amount of running sand and water.

No: 1 bore has been enlarged and a 7" drive tube put down 18 feet with 5" lining tube to a depth of 30 feet below surface (perforated for the lower 7 feet of its length) but at 35 feet depth the tools are in hard quartzite. Minor pumping tests have been carried out and probably about 200 gallons per day could be obtained from each of these sites (i.e. a total of about 400 gallons per diem).

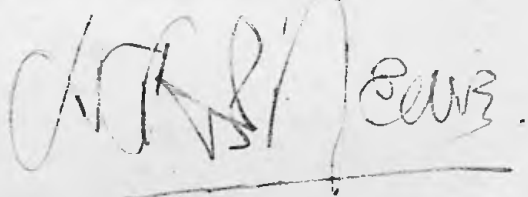
The results are disappointing because the water obtained is apparently a very good quality water being naturally filtered through running sand and cut off from the surface by impervious clays, but only pumping over an extended period would prove whether the amounts stated would be available at all seasons.

The supply would doubtless be of service to a small settlement but for a town the size of Stanley I do not consider a satisfactory supply can be provided from this source and I am accordingly putting forward on separate papers a modified scheme for a supply from the Nile Pond, as foreshadowed in my submission dated 27th June, 1923.

I am,

Sir,

Your obedient Servant,



The Honourable

The Colonial Secretary,

STANLEY.

Falkland Is. 1687/4.

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

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,  
and with reference to the Indent noted in the margin, have the  
honour to subjoin a copy of a letter authorising amendments to  
the Contract, details of which have already been forwarded to you.

A copy of the letter from Messrs. Ruston & Hornsby  
Ltd., dated 6th March giving details of the spare parts  
which will be supplied is enclosed.

Indent No. 237.

Dept P. W. D.

Item No.

To The Colonial Secretary,

Falkland Is.

Date.....13th March, 1924.

Messrs. Ruston & Hornsby Ltd.,  
LINCOLN.

Gentlemen,

With reference to our order dated 22nd January 1924,  
accepting your tender for the supply of Oil Engine, I have to  
inform you that the spare parts recommended in your letter  
reference ST'A/KMB dated 6th March may be supplied at the price  
stated. I note that this price includes packing for shipment  
with the engine. The total contract sumas amended will therefore  
be £58. 14. 11. f.o.b. English Port. Please confirm this amount.

Yours faithfully,

for CHIEF ENGINEER (Contracts)

N.S.

COPY OF LETTER

From:- Messrs. Ruston & Hornsby Ltd.,  
 To:- The Crown Agents for the Colonies.  
 Dated:- 6th March, 1924.

"Engineering Sales".  
 ST'A/KMB. Tender No. 37940.  
 W/Falkland Is. 1687/4.

Dear Sir,

In reply to your favour of the 5th instant, we have pleasure in giving you as follows detail prices of the spare parts we recommend for the 5½ B.H.P. class "AP" petrol-paraffin engine recently inspected for the above contract:-

|  | £ | s  | d  |
|--|---|----|----|
| Main bearings, pair of two halves.     |   | 9  | 6  |
| Con rod bearings, large end, per pair. |   | 7  | 8  |
| -do- small end, -do-                   |   | 10 | 3  |
| 3 - piston rings.                      |   | 10 | 3  |
| Exhaust valve                          |   | 7  | 8  |
| Air valve                              |   | 6  | 0  |
| Carburetter jet                        |   |    | 10 |
| Set of springs                         |   | 3  | 3  |
| Magneto machine lever and blade        |   | 11 | 0  |
| Ignition plug, complete                | 1 | 1  | 3  |
| 2" Mica washers                        |   | 1  | 8  |
| Striking rod.                          |   | 2  | 6  |
| 2 - Lubricator glasses 1/8 pint.       |   | 2  | 1  |

The above prices include packing for shipment if sent away with the engine, but if despatched separately, this would be charged extra at cost.

We shall be glad to receive your instructions which would have our prompt and best attention.

Yours faithfully,

RUSTON & HORNSBY LIMITED.

(Sgd)

Sales Department.

N.S.

DUPLICATE

30

FALKLAND ISLANDS.

No. 18



Downing Street,

18 March, 1924.

Sir,

I have the honour to acknowledge the receipt of your despatch No. 2 of the 3rd of January and to inform you that I approve the expenditure of the sum of £450 on the purchase of material required for boring operations in connection with the provision of a water supply for the town of Stanley.

I have the honour to be,

Sir,

Your most obedient,

humble servant,

(Signed) J. H. THOMAS

THE OFFICER ADMINISTERING

THE GOVERNMENT OF

THE FALKLAND ISLANDS.

1031

MINUTE.

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

.....May 10th.....19 24

From....Ag. Col. Treasurer.

To

THE COLONIAL SECRETARY,

Stanley, Falkland Islands.

Hon. Col. Secty,

The following charge appears in the Crown Agents accounts for the month of March last:-

"Crown Agents - charge for preparing plan of water scheme for Port Stanley....£ 15-19-7.

2. In the Statement dated 4th April last received from your Office, Indent No. 237 for oil Engine is set down to be charged to Head XVIII. 8. Water supply but on enquiry the Colonial Engineer informs me that the cost including the sum of £15-19-7 referred to above should be charged to Head XVIII. 13. Major Works

*Ag. Col. Secy.*  
*for [unclear]*



and further that he has applied for a special warrant to cover such charges.

3. Perhaps you will kindly inform me as soon as possible whether the charges mentioned are to be charged to Head XVIII.item 8 or to item 13.

*M. Bryn Halden*  
Ag.Col.Treasurer.

An amount of £58--8--0 for iron pipes which appeared in the C.A's a/c's for January last was charged against 13.Major Works.

# ORIGINAL SHIPPING ADVICE.

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

"P. 2. 1687/3" (This reference and the date of this letter)  
B/L etc. (should be quoted in all communications.)

Colony Falkland Is.  
Indent No. 237  
Dept. P.W.D. Special A/c (if any)  
Steamer Huanchaco  
From Liverpool  
To Port Stanley  
Consigned to O.A.G.  
Date of shipment 13/3/24

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

Attention is drawn to the desirability of weighing packages immediately landed, particularly if there be any reason to suspect pilferage or any shortage. Information as to weight is of service when urging claims.

| NUMBERS OF PACKAGES. | DESCRIPTION OF STORES.    | REMARKS. |
|----------------------|---------------------------|----------|
| 2131/8               | 8 Iron tubes              |          |
| 2141/3               | 3 pkges Petrol Engine etc |          |
| 171                  | 1 case Suction Hose       |          |

| ENCLOSURES.           | Packing Particulars. | £  | s. | d. |
|-----------------------|----------------------|----|----|----|
| Bill of lading        |                      |    |    |    |
| Invoice:—             |                      |    |    |    |
| R. Richards & Co.     |                      | 15 | 15 | -  |
| Inspection            |                      |    | 7  | 10 |
| Ruston & Hornsby      | 1                    | 54 | 1  | -  |
| Inspection            |                      | 2  | 2  | 0  |
| The Clyde Rubber Wks. | 1                    | 4  | 19 | 7  |
| Freight               |                      | 6  | 5  | 1  |
| Insurance             |                      |    | 7  | 3  |

The Colonial Secretary,

FALKLAND ISLANDS.

Date 11/3/24 BB

Office of the Crown Agents for the Colonies.

4, Millbank London, S.W. 1

S

INVOICE.

THE CROWN AGENTS FOR THE COLONIES.

Dr. to R. Richards & Co  
Of Artesian Well Engineers  
Upper Ground Street. S.H.I.  
Date Mar 4/24 192

Crown Agents' Reference, i.e., Colony and Regn. No. Falkland Islands 1587/3  
Indent 237  
Dept. P.W.D.  
To be filled in by the Contractor.

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

Account Falkland Islands  
Indent No. 237 of 19  
Letter No. of 19  
Shipped by S.S. " " on 19  
F.O.B.

| Item Nos.           | Quantity. | Description of Article in wording of Tender.                       | Weight. |    |    |     | Rate. | £ s. d. |    |    | £ s. d. |    |    |
|---------------------|-----------|--|---------|----|----|-----|-------|---------|----|----|---------|----|----|
|                     |           |  | T.      | c. | q. | lb. |       | £       | s. | d. | £       | s. | d. |
| 8                   |           | Flush Jointed Lining Tubes<br>= 70 feet<br># 2 1/2" tubes = 70'-6" | -       | 6  | 0  | 6   | 4/6   | 15      | 15 | 0  | 15      | 15 |    |
| Carried forward ... |           |  |         |    |    |     |       |         |    |    |         |    |    |



# Ruston & Hornsby Ltd

## ENGINEERS

LINCOLN = GRANTHAM = STOCKPORT.

### SPECIFICATION

Sheaf Iron Works,

LINCOLN, March 5th 1924 192

of Machinery despatched this day to

Liverpool o/o Greenshields Cowie &amp; Co for SS "HUANCHACO"

| Marks<br>and<br>Numbers | PACKAGES  | External Dimensions<br>of each Package |         |       | TOTAL WEIGHT |      |     |       |      |     |
|-------------------------|---|--|---------|-------|--------------|------|-----|-------|------|-----|
|                         |   | Length                                 | Breadth | Depth | Gross        |      |     | Net   |      |     |
|                         |   |  |         |       | Cwts.        | qrs. | lb. | Cwts. | qrs. | lb. |
|                         | <u>One 5½ BHP Petrol Paraffin Engine No 119384.</u>   |  |         |       |              |      |     |       |      |     |
| Case 2141.              | Engine complete with Crankshaft. Camshaft with Brackets and Gear Wheels. Connecting Rod with Large End and Small End Bearings. Piston with Rings and Piston Pin. Oil Tank with Brass Jock and Connections and Pipe. Hopper, Silencer. Splasher Speeder Gear. Carburettor, Charge Valve and Spring. Magneto Bracket. Magneto. Ignition Plug. Oil Can. Oil Bottle. Petrol Mug. Set of 4 Spanners. 1 Lubricator. 1 Set of Six Springs. Eccentric Rod with Roller and Pin. Piston Spanner Compression Pin. 2 Flywheel Keys. Starting Handle. 5 Set Screws 1 Exhaust Pipe. 1 Drain Pipe. Exhaust Lever with Roller and Pin Lubricator Bracket and Pipe Joint for Hopper, Top Charge Lever Grinding in Tool. 25 feet 3" Balata Belting. | 5-5                                    | 2-1     | 2-4   | 7            | 1    | 0   | 5     | 3    | 0   |
| Crate 2142.             | Two Flywheels   | 2-8                                    | 2-8     | 10    | 2            | 1    | 14  | 2     | 0    | 2   |
| Case 2143.              | Undercarriage complete with Woodwork. 4 Road Wheels Axles. & Drawbar.   | 6-0                                    | 1-10    | 1-1   | 2            | 3    | 0   | 1     | 3    | 0   |

R.H.

O.H.H.S.

1687

O.A.

O.A.C.

Nos 2141/43

STANLEY.

# INVOICE.

THE CROWN AGENTS FOR THE COLONIES.

*Dr. to*

Of

The Clyde Rubber Works GLASGOW  
RENFREW.

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

S  
W/Falkland Islands  
1687/5.

Dept.

Telegram.

Date 18th February, 1924.

To be filled in by the Contractor.

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

Account.

Indent No.

237

of

6-12. 23.

19.

Letter No.

of

19

Shipped by S.S. "

” on

19

F.O.B

W. & S. Ltd.

[illegible]



TELEGRAPHIC ADDRESS.  
"RUBBER, RENFREW."

RENFREW 43.

CODIFIED A.B.C. 5TH EDITION.

MANUFACTURERS OF  
India Rubber Sheet, Insealing, Valves, Packing,  
Hose Pipes, Belting, Buffers, Pads, Mats,  
Tubing, Cord, Washers, Joints, Erasers,  
India Rubber Flooring & Tiling,  
Asbestos Sheet, Packing, Tape, Joints &c

ON ADMIRALTY LIST.  
Contractors to the War Office, India Office and Principal Railway & Steamship Co's  
Branches at Glasgow, London, Manchester, Birmingham & Newcastle-on-Tyne

To *The Clyde Rubber Works Co. Limited.*

SHIPPING SPECIFICATION. *Renfrew.* 10.2.24. 19

*M* The Crown Agents For the Colonies,  
4, Millbank,  
LONDON, S.W. 1.

Bank Drafts & Cheques to be made payable to the Coy. ⚡ Emplies allowed for if returned within fourteen days Carnage Paid

30 feet Armoured Suction Hose 3" x 3 ply.

Order N 3  
Falkland Islands 1687/5. ~~Range~~  
Telegram.

Total Value-£4 10 7.

In 1 Case marked as under:-

Reqn.  
1687.

O.N.M.S.  
O.A.G.  
STANLEY.

C A  
No. 171.

Measurement.

Gross Weight.

Nett Weight.

30 1/2" x 30 1/2" x 2".

0. 3. 20.

0. 2. 5.

Per L.M. & S. Ry. paid to s.s. "Ortega" Alexandra Dock, Liverpool.  
o/o Greenfields Cowie & Co., 42, Castle Street, LIVERPOOL.

\_\_\_\_\_

## The Crown Agents for the Colonies.

Dr. to Messrs. The Pacific Steam Navigation Co., (Per Green Shields  
Cowie & Co)

Date 23rd March 1924

Colony or Protectorate     Cook Islands     Reqn. No. 1687/3/4/5

Department \_\_\_\_\_

Account \_\_\_\_\_

Indent No. \_\_\_\_\_ of \_\_\_\_\_ 192\_\_.

Shipped by S.S. " EL ANCHACO " on 24th March 1924

From Liverpool To Port Stanley

| Freight as below |                               | Tons     | ft.      | ins.     | Tons        | Cwts.    | qrs.      | lbs.     | Rate |
|------------------|-------------------------------|----------|----------|----------|-------------|----------|-----------|----------|------|
| 3                | Iron Tubes                    | -        | 6        | -        | 6.50/-      | -        | 15        | 1        |      |
| 1                | Case Armoured Horse           | -        | 7        | 6        | 80/-        | -        | 15        | -        |      |
| 1                | Case Petrol Engine            | -        | 26       | 4        |             |          |           |          |      |
| 1                | Sk. Case Fly Wheels           | -        | 5        | 11       |             |          |           |          |      |
| 1                | Case Truck & Parts            | -        | 11       | 11       |             |          |           |          |      |
|                  |                               | <u>1</u> | <u>4</u> | <u>2</u> | 70/-        | <u>3</u> | <u>17</u> | <u>3</u> |      |
|                  |                               |          |          |          |             | 5        | 7         | 4        |      |
|                  |                               |          |          |          | Primage 10% | <u>-</u> | <u>10</u> | <u>9</u> |      |
|                  |                               |          |          |          |             | 25       | 18        | 1        |      |
|                  | add                           |          |          |          |             |          |           |          |      |
|                  | Bill of Lading                |          |          |          |             | -        | 2         | 6        |      |
|                  | Shipping Charge 4 Cases @ 1/- |          |          |          |             | 6        | -         | 7        |      |
|                  | .1 ton @ 1/-                  |          |          |          |             | -        | 4         | 6        |      |
|                  |                               |          |          |          |             | 25       | 5         | 1        |      |

AT/MG

S. 13. (60,000/2/24.)

## FALKLAND ISLANDS.

## REQUISITION TO INCUR EXPENDITURE.

*Quadruplicate*  
ORIGINAL  
DUPLICATE

HEAD OF ESTIMATE VIII. PUBLIC WORKS EXTRAORDINARY.

Treasurer's  
No. **51**

SUB-HEAD 2. Drainage &amp; Water Supply, Stanley.

| State, in detail, service or article, &c.,<br>on which the amount is to be expended.                       | State when amount is<br>to be paid. | Estimated Cost. |    |    |
|--|-------------------------------------|-----------------|----|----|
|  |                                     | £               | s. | d. |
| 1. Purchase of boring<br>apparatus, water tubing<br>etc. £255.   |                                     |                 |    |    |
| 2. Preparation of plan<br>of Water Scheme. £16.  | When payments<br>become due.        | £320.           | 0  | 0  |
| 3. Hire and transport<br>of engine obtained<br>from San Carlos. £38.                                       |                                     |                 |    |    |
| 4. Unforeseen. £11.  |                                     |                 |    |    |
| (C.S. 707/23)  |                                     |                 |    |    |
| N.B.—When this space is<br>insufficient, sheets should be<br>attached, but the sum total<br>shown on this. |                                     |                 |    |    |

Vote on  
Estimates.

£1750 :

Expenditure  
authorised  
to date.

£11 :

Balance  
available

£1750 :

Comments of  
Treasurer in submitting  
to Governor.

Balance available as stated, £1750.

(sgd) M. Craigie-Halkett

Ag. Colonial Treasurer.  
6th June, 1924.

Signature of  
Head of  
Department.

*B. M. M. M.*  
Colonial Engineer.

Date 5th June 1924

Approved Decision of Governor.

(sgd) J. Middleton,

Date 9th June, 1924.

Governor.



Stanley  
21<sup>st</sup> July 1924

Stanley Improvement Scheme  
Report on Possibility of Water  
Supply from Artesian Wells

Sir.  
Further to my submission dated 25<sup>th</sup> April 1924 on the above subject, I beg to report that I do not advise proceeding any further with boring investigations in view of the results recorded & data collected during the summer 1923-24 when I devoted a very considerable amount of time to this matter.

The primary object of boring experiments was to ascertain whether considerable beds of porous sandstone or running sands existed in the neighbourhood of Stanley as from the existence of such strata a good water supply might be expected. My investigations have however confirmed my opinion that although porous sandstone & running sands undoubtedly exist yet they are not of sufficient extent to provide anything like sufficient water for the town. The bulk of the strata in the neighbourhood is a hard metamorphic sandstone which cannot be regarded as a promising source of supply.

The extent of the work was limited to a considerable extent by the fact

~~That~~ The power plant requested in my submission of 19<sup>th</sup> October 1923 was not available for working until towards the end of January 1924 when the Falkland summer was practically over and was severely handicapped by the lack of men with any experience of diving operations.

As stated at the time of commencing investigations as to the possibility of a supply from subterranean sources such investigations in this Colony could only be regarded as experimental and no guarantee as to results could be given. The possibility of success however justified the undertaking of such work as the discovery of such subterranean water would have allowed the provision of a cheap water supply, a very important factor having regard to local conditions.

Whilst I am naturally disappointed that sufficient water has not been discovered to be of practical utility I do not regard the time or provision of diving tools as misapplied as it is often only by undertaking experimental work that progress can be made. I do not consider however that a suitable supply can be obtained from subterranean sources and if Stanley is to have a water supply I recommend the adoption of one of the surface schemes put forward on separate papers.

The Hon. The Colonial Secretary  
Stanley

I am Sir  
Your obedient servant  
R. S. Pearce

COPY.

Stanley,

21st July, 1924.

Stanley Improvement Scheme.

Report on Possibility of Water Supply from  
Artesian Wells.

-----

Sir,

Further to my submission, dated 25th April, 1924, on the above subject, I beg to report that I do not advise proceeding any further with boring investigations in view of the results recorded and data collected during the summer 1923 - 1924, when I devoted a very considerable amount of time to this matter.

The primary object of boring experiments was to ascertain whether considerable beds of porous sandstone or running sands existed in the neighbourhood of Stanley, as from the existence of such strata a good water supply might be expected. My investigations have, however, confirmed my opinion that although porous sandstone (and running sands) undoubtedly exist, yet they are not of sufficient extent to provide anything like sufficient water for the Town. The bulk of the strata in the neighbourhood is a hard metamorphic sandstone which cannot be regarded as a promising source of supply.

The extent of the work was limited to a considerable extent by the fact that the power plant requested in my submission of 19th October, 1923, was not available for working until towards the end of February, 1924, when the Falkland summer was practically over, and was severely handicapped by the lack of men with any experience of boring operations.

As stated at the time of commencing investigations as to the possibility of a supply from subterra

The Honourable the Colonial Secretary.

Source



sources, such investigations in this Colony could only be regarded as experimental and no guarantee as to results could be given. The possibility of success, however, justified the undertaking of such work, as the discovery of such subterranean water would have allowed the provision of a cheap water supply, a very important factor having regard to local conditions.

Whilst I am naturally disappointed that sufficient water has not been discovered to be of practical utility, I do not regard the time or provision of boring tools as misspent, as it is often only by undertaking experimental work that progress can be made. I do not consider, however, that a suitable supply can be provided from subterranean sources, and if Stanley is to have a water supply, I recommend the adoption of one of the surface schemes put forward on separate papers.

I am,

Sir,

Your obedient servant,

A. A. P. NEAVE.

(Form R).  
(Rule 342).

22

Adjustment Voucher No.....

COLONY OF THE FALKLAND ISLANDS.

HEAD OF SERVICE XVIII. PUBLIC WORKS EXTRAORDINARY  
SUB-HEAD 8. Drainage and Water Supply Stanley.

To the Honble. the Treasurer,

You are hereby authorised to make the following adjustment

Description  
of  
Transaction.

To charge the above Head and Sub-head with the sum of  
£162 : 13 : 3 and to credit Head XVIII item 13. Major  
Works with a similar amount.

M.P.707/23

£162 : 13 : 3

By Command,

(sgd) H. Henniker-Heaton,  
Colonial Secretary

Date 15th September, 1924.

(36)

No.

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

MINUTE.

.....September 10th.....19 24

From.....Ag.Treas.....

To

THE COLONIAL SECRETARY,

Stanley, Falkland Islands.

M.P.707/1923

Hon.Col.Sec.

The cost of certain boring plant ordered in 1923 but not charged in the Crown Agents a/c's until this year was in accordance with advices received from your Office charged to Head XVIII. 13 Major Works but it would appear from correspondence in C.S.707/23 that the charge should have been made against Head XVIII item 8. Drainage and Water supply. The Col.Engineer submitted F.R. No. 51/24 to meet these charges.

2. Adjustment vrs.submitted herewith to charge XVIII. item 8 with the sum of £162-13-3 and to credit XVIII item 13 with a similar sum.

*M. (Miss) H. H. H.*

Ag.Treas.

707/23.

12th December,

24.

Gentlemen,

I am directed by the Governor to inform you that the materials purchased by this Government in 1923 under Indent No. 237, your reference No. P.2  
B/L 1687/3, for boring operations are no longer required and to enquire whether there is any possibility of disposing of them to another Colony or alternatively whether the suppliers would be willing to repurchase them.

2. A large part of the materials were never used the remainder were used for a few weeks only. The Colonial Engineer reports that the used material is equal to new. I attach a statement distinguishing the former from the latter.

I am,

Gentlemen,

Your obedient servant,

H. Henniker-Heaton.

Colonial Secretary.

The Crown Agents for the Colonies,

4, Millbank, Westminster,

London, S.W. 1.

List of Boring Gear obtained from.

Messrs, R, Richards & Co.

Upper Ground Street.

London. S.E.I.

As per invoices in M/P. 707/23.

| Article.   | Quantity.<br>New in<br>P.W.S.                                | Used collected<br>from Hut at<br>Spring Paddock. | Supplge<br>per<br>Invoice |
|--|--|--|---------------------------|
| Indent Telegram 13/II/23.  |  |  |                           |
| Artesian Boring Rods 10 ft long.                                     | 9.   | 6.   | 15.                       |
| Ditto. 5 ft "  |  | 1.   | 1.                        |
| Spare Screws.  | 6.   | 0.   | 6.                        |
| T Chisels.   |  | 7 1/2" 5 1/4"; 4 1/2"; 3 1/2".                   | 1 ea.                     |
| " "  |  | 5 1/2"; 4 1/2"; 3 1/2".                          | 1 ea.                     |
| Clay Augers.   |  | 5 3/4"; 3 1/2"; 3".                              | 1 ea.                     |
| Shoe Nose Shells.  |  | 5"   | 1 ea.                     |
| Short Swivel top rod.  |  | 1.   | 1.                        |
| Flush Joint Tubes 5" ex; dia x 1/4" thick. (4 1/2" int; 10' long ?). | 4 of 10' = 40'.<br>1 " 6' = 6'.<br>46'.                      |  | 70'.                      |
| Extra 2 ft of ditto.   |  |  | 2'.                       |
| Indent. 237. 4/3/24.   |  |  |                           |
| Flush Jointed Lining Tube. 70ft                                      | 4" ext; 3 1/2" int<br>Dia.<br>8 of 3' - 102'.<br>= 70' - 8". |  | 8.                        |

*W. S. S. S.*

Colonial Engineer.

28/II/24.

LIST OF STORES ETC. OBTAINED IN CONNECTION  
WITH THE WATER BORING WORKS AND CHARGED  
TO STANLEY IMPROVEMENT WORKS.

Messrs R. Richards & Co. (Shipped S.S. "Oroneso" 10/1/24)

|                                 |      |   |       |      |     |     |
|---------------------------------|------|---|-------|------|-----|-----|
| * 15                            | No.  | Artesian boring rods, 10 ft long  | 33/-  | 24.  | 15. | 0.  |
| * 1                             | No.  | " " rod 5 ft "  | 1/7/6 | 1.   | 7.  | 6.  |
| * 6                             | "    | Spare screws.   | 7/6   | 2.   | 5.  | 0.  |
| * 4                             | "    | "T" Chisels, 7 $\frac{1}{4}$ ", 5 $\frac{1}{2}$ ", 4 $\frac{1}{2}$ ", 3 $\frac{1}{2}$ " | for   | 11.  | 11. | 9.  |
| * 3                             | "    | "X" Chisels, 5 $\frac{1}{2}$ ", 4 $\frac{1}{2}$ ", 3 $\frac{1}{2}$ "                    | "     | 9.   | 16. | 6.  |
| * 2                             | "    | Clay Augers, 5 $\frac{1}{2}$ " & 3 $\frac{1}{2}$ "                                      | "     | 6.   | 6.  | 0.  |
| * 2                             | "    | Shoe nose valve shells 5" & 3"  | "     | 7.   | 12. | 6.  |
| * (148 feet) 72                 | feet | Tubes, flush jointed, 5" ext.   | 4/9   | 17.  | 2.  | 0.  |
| * 1                             | No.  | Short swivel top rod.   |       | 1.   | 16. | 0.  |
| Packing & delivery fob. London. |      |   |       | 5.   | 0.  | 0.  |
| Inspection.                     |      |   |       | 87.  | 12. | 3.  |
| Freight.                        |      |   |       | 2.   | 3.  | 10. |
| Insurance.                      |      |   |       | 5.   | 0.  | 0.  |
|                                 |      |   |       |      | 6.  | 0.  |
|                                 |      |   |       | £95. | 2.  | 1.  |

Messrs R. Richards & Co. (Shipped S.S. "Huanchaco" 13/3/24)

|             |        |  |     |      |     |     |
|-------------|--------|--|-----|------|-----|-----|
| * 70        | (8 No) | Flush jointed lining tubes 3 $\frac{1}{2}$ " | 4/6 | 15.  | 15. | 0.  |
| Inspection. |        |  |     |      | 7.  | 10. |
| Freight.    |        |  |     |      | 16. | 7.  |
|             |        |  |     | £16. | 19. | 5.  |

Messrs Ruston & Hornsby Ltd (Shipped S.S. "Huanchaco")

|                  |     |   |  |      |    |    |
|------------------|-----|---|--|------|----|----|
| I                | No. | 5 $\frac{1}{2}$ E.H.P. Class A.P. Petrol and Paraffin Engine, No 119384 complete with 25 feet of 3" three ply balata belting. |  | 54.  | 1. | 0. |
| Inspection.      |     |   |  | 2.   | 2. | 0. |
| Freight.         |     |   |  | 4.   | 5. | 0. |
| Shipping charge. |     |   |  |      | 5. | 6. |
| Insurance.       |     |   |  |      | 7. | 3. |
|                  |     |   |  | £61. | 0. | 9. |

Messrs Ruston & Hornsby (Shipped S.S. "Oroneso" 10/4/24)  
Spares for 5 $\frac{1}{2}$  BHP P.P. Engine)

|                                      |      |                               |  |     |    |     |
|--------------------------------------|------|-------------------------------|--|-----|----|-----|
| I                                    | Pair | Main bearings.                |  |     |    |     |
| I                                    | "    | Large end conn. rod bearings. |  |     |    |     |
| I                                    | "    | Small " " "                   |  |     |    |     |
| 3                                    | No.  | Piston rings.                 |  |     |    |     |
| I                                    | No.  | Exhaust valve                 |  |     |    |     |
| I                                    | "    | Air valve                     |  |     |    |     |
| I                                    | "    | Carburettor jet               |  |     |    |     |
| I                                    | Set  | Springs.                      |  |     |    |     |
| Magnet machine lever and blade       |      |                               |  |     |    |     |
| Ignition plug complete               |      |                               |  |     |    |     |
| 2" Mica washers., Striking rod.      |      |                               |  | all |    |     |
| 2 $\frac{1}{8}$ lubricating glasses. |      |                               |  | for | 4. | 15. |
| Freight                              |      |                               |  |     |    | 5.  |
| Insurance.                           |      |                               |  |     | 6. | 3.  |
|                                      |      |                               |  |     | 1. | 0.  |
|                                      |      |                               |  | £5. | 2. | 8.  |



Messrs Edward Smith Ltd. (Shipped S.S. "Oropesa" 10/1/24)

|   |     |             |               |
|---|-----|-------------|---------------|
| Feet                                      |     |             |               |
| 1200 (76 lengths). 2" Galvd. water tubing | for | 58.         | 8. 0.         |
| screw socket.                             |     |             |               |
| Inspection.                               |     | 2.          | 2. 0.         |
| Freight.                                  |     | 6.          | 14. 7.        |
| Insurance.                                |     |             | 6. 7.         |
|   |     | <u>267.</u> | <u>11. 2.</u> |

Clyde Rubber Works Ltd. (Shipped S.S. "Huanchaco" 13/3/24)

|           |                                  |     |            |            |           |
|-----------|----------------------------------|-----|------------|------------|-----------|
| ✓ 30 Feet | Armoured suction hose 3" x 3 ply | for | 4.         | 19.        | 7         |
|           | Freight.                         |     |            | 16.        | 6.        |
|           | Shipping charge.                 |     |            | <u>1.</u>  | <u>6.</u> |
|           |                                  |     | <u>25.</u> | <u>17.</u> | <u>7.</u> |

Messrs The Falkland Islands Co Ltd (Local Purchase

|                    |     |            |           |           |
|--------------------|-----|------------|-----------|-----------|
| ✓ I No. Tarpaulin. | for | <u>26.</u> | <u>0.</u> | <u>0.</u> |
|--------------------|-----|------------|-----------|-----------|

NOTE. Articles marked -X-

Crown Agents for the Colonies asked if any possibility of disposing to another Colony or whether firms supplying will re-purchase.

(40)

THE COLONIAL ENGINEER'S OFFICE,  
STANLEY.

1st July, 1925.

Sirs,

I beg to advise you that I am shipping to day per H.M.C.S. "ANTERGOLOW", 8 packages containing parts comprising 7½ h.p. Campbell Oil Engine, with spares, also one circulating cistern, lent to the Colonial Government in February, 1924.

The engine was in working position from the 24th of March to the 7th of June, 1924, inclusive, and the amount due for hire would appear to be \$2.15. 0. I should be glad to know how you would wish payment to be made.

The engine is believed to be in excellent condition: I shall be glad to hear from you that it has been received safely and that it is found to be in good order.

I am,

Sirs,

Your obedient Servant,

*R. M. Asch*

Colonial Engineer.

Messrs Cameron & Greenshields,  
San Carlos W.,  
East Falklands.



41

ALL COMMUNICATIONS  
TO BE ADDRESSED TO THE  
CROWN AGENTS FOR THE COLONIES.  
THE DATE OF THIS LETTER BEING QUOTED  
AND THE FOLLOWING REFERENCE: 78 W. Falkland  
Islands 1687.  
TELEGRAMS. "CROWN, LONDON."  
TELEPHONE. 7730 VICTORIA

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

27th May, 1925.



Sir,

Requisition No. 1687  
Indent No. 237.

I have the honour to acknowledge the receipt of your letter No. 707/23 dated 12th December, 1924, regarding the disposal of boring plant and lining tube ordered by your telegram of the 13th November, 1923, and under indent No. 237 in 1924.

2. We have asked the suppliers - Messrs. R. Richards & Company - what offers they could make us for this plant and enclose a copy of their reply dated 20th May from which you will see that they offer £25 delivered at their works for the boring tools and half price delivered at their works for the lining tubes.

20. 5. 25

3. We do not know at present of any other likely source of disposal in this country for the plant, and shall be glad to hear whether you will entertain the firm's offer.

I have the honour to be,

Sir,

Your obedient Servant,

*W. A. Richards*

for Crown Agents.

The Colonial Secretary,  
FALKLAND ISLANDS.

*25. 5. 25*

WE.

W. Falkland Islands.1687.

Messrs. R. RICHARDS & CO. TO CROWN AGENTS.

OLD BARGE HOUSE WORKS,  
UPPER GROUND STREET,  
LONDON, S.E.1.

May 20th, 1925.

Gentlemen,

We are in receipt of yours of the  
19th inst re Boring Tools supplied to Indent Telegram  
13.11.23 Falkland Islands asking us if we could  
dispose of them and note that some of the tools have  
been used, and that there is 24 feet of tubing short.  
We could offer you £25 for them delivered back here  
carriage paid, and for Indent 237 -4.3.24. We could  
allow half price delivered back here carriage paid.

We remain, Gentlemen,

Your obedient servant,

R. Richards & Co.

Intld. R.I.R.

BORING RODS AND TOOLS.

Price paid by Colonial Government.

|  |                    |
|--|--------------------|
| To Suppliers (Messrs R. Richards)..... | £87. 12. 3.        |
| Inspection, Freight and Insurance..... | 4 18. 5            |
|  | <u>£92. 10. 8.</u> |

Price offered by Firm ..... £25. 0. 0.

Estimated cost of shipping and delivering to Firm's works.

|                                     |          |
|-------------------------------------|----------|
| 1 case tools. 11 cub ft. @ 70/- ton |          |
| 1 " rods etc. 9 cwts @ 60/- "       |          |
| 48 ft. 5" tubes 4 cwts " "          |          |
| plus 10% primage. ....              | 5. 4. 1. |

Agents shipping charges.

13 cwts and 11 cub ft at 10/- ton. .... 9. 3.

Cost of making 1 case and repairing existing,  
labour in racking and painting cases & transport.

(say) 2. 5. 0.

Railway charges and incidentals from  
Docks (Liverpool) to firms works.

(say) 3. 0. 0.

£8. 18. 4.

Estimated amount to be realised by  
Government on sale.

£16. 0. 0.

70 ft LINING TUBES 3 1/2"

Price paid by Government.

|  |                    |
|--|--------------------|
| To Suppliers (Messrs R. Richards)..... | £15. 15. 0.        |
| Freight & Inspection charges. ....     | 1. 4. 5.           |
|  | <u>£16. 19. 5.</u> |

Price offered by Firm (1/2 price)..... £7. 17. 6.

Estimated cost of shipping etc.

Freight charges.  
6 cwts @ 60/- ton. and 10% primage. 19. 10.

Agents handling charges. 5. 0.

Labour in bundling, marking and transport. 10. 0.

Railway charges and incidentals from  
Docks to Firms works. (say) 2. 5. 0.

£3. 17. 10.

Estimated amount to be realised by  
Government on sale.

£4. 0. 0.

707/23.

28th July.

25

Gentlemen,

With reference to your letter No. 78W/1687 of the 27th May, enclosing a quotation from Messrs R. Richards and Company for the repurchase of the boring plant and lining tube ordered under indent No. 237, I am directed by the Governor to inform you that as the sale of the plant at the prices offered would result in a considerable loss to the Government, it has been decided not to dispose of the materials.

I am,

Gentlemen,

Your obedient servant,

G. R. L. Brown.

for Colonial Secretary.

The Crown Agents for the Colonies,  
4, Millbank, Westminster,  
London, S.W. 1.



W

Falkland Is.1687

ADVICE OF ORDERS PLACED.

17

All communications to be addressed to the Crown Agents for the Colonies, above reference and 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. 237 707/23

Dated 6.12.23.

Dept. P.W.D.

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.

11th May 1925

| Firm.              | Nature of Goods<br>(and indent item numbers). | Date promised<br>for delivery<br>in England. | Cost.<br>£ |
|--------------------|---|--|------------|
| V & R. Blakenmore. | Hammers.                                      | By boat sailing<br>this month.               | 2. 6. 0.   |

IHS/

FAIRLAND IS. 1687/10.

237  
dated 6.12.23.

Messrs. V. & R. Blakenmore,  
86, Leadenhall Street,  
E.C.3.

P.O.D.

20 MAY 1924

3/- each

6 7 lb. hammers (double face preferred  
but not essential) with long ash  
handles, and 2 dozen spare handles  
for same.

9/- doz.

1.16. 0.

Packing

10. 0.

Shipment is required by a steamer sailing from  
Glasgow on 21st May or Liverpool on 25th May.

22. 6. 0.

We have put in hand.

V & R. Blakenmore  
May 4/24.

M.S.

IHS/

W.

Falkland Is 1687

ADVICE OF ORDERS PLACED.

18

All communications to be addressed to the Crown Agent 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.

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.

8th May 1925.

| Firm.               | Nature of Goods<br>(and indent item numbers). | Date promised<br>for delivery<br>in England. | Cost.<br>£ |
|---------------------|---|--|------------|
| S. Osborn & Co.Ltd. | Tool Steel                                    | 15.5.25                                      | £2.17.0.   |

PH/.

W

RAILKLAND IS.1687/9.

The above file mark must be quoted on all communications regarding this contract

THE CHIEF ENGINEER,  
Office of the Crown Agents for the Colonies,  
4, Millbank, Westminster, London, S.W. 1.

Indent No. 237  
Dated 6.12.23.

Account

Dept. P.W.D.

To:— No Inspection.  
Messrs. S. Osborn & Co. Ltd.  
32, Queen Victoria Street,  
E. C. 4.

Tender to the Crown Agents for  
the Colonies for the supply of

TOOL STEEL.

| NO. OF ITEM.  | QUANTITY.                           | Unless otherwise stipulated in the Crown Agents' Specification the address must be stencilled or painted on all articles or packages, and a detailed list of the contents enclosed. Paper or Parchment labels are not to be used. Articles which are loose or bundled and are too small to bear the address are to be marked with metal labels securely fastened with wire. The Port of destination must be clearly marked on all packages in letters at least two inches high. It is essential that the full period required for delivery should be stated on the tender and a sufficient margin to cover contingencies should be allowed. Your attention is directed to No. 2 of the General Conditions of Contract on the back of this page. | RATE.        | AMOUNT. |    |   |
|---|-------------------------------------|---|--------------|---------|----|---|
| 6 bars  | Octagonal tool steel, 5'0" x 1 1/8" | 1. 2. 26.   | per cwt 20/- | 1       | 14 | 8 |
| 8 "   | " " " 3'0" x 1"                     | 0. 2. 12.   | "            |         | 12 | 2 |
| 8 "   | " " " 2'6" x 1"                     | 0. 2. 1.  | "            |         | 10 | 2 |
| <p><u>Note.</u> Can be supplied in approximate lengths to cut same, if more convenient.</p> <p>To comply with Crown Agents' Specn. No. 14 dated Sept. 1924. Jumper "A" quality.</p> <p>Shipment is required by a steamer sailing from Glasgow on 21st May or Liverpool on 25th May</p> <p>Accepted. Delivery must be made f.o.b. Liverpool for a steamer closing on 25th May 1925. <u>8.5.25.</u></p> |                                     |   |              |         |    |   |
| M.S.  |                                     |   |              |         |    |   |

(a) See Clause 19 overleaf.

(b) If economy can be effected by so doing, the goods should be sent by Parcel Post, sub-divided if necessary.

(c) Discounts and trade allowances of every kind to be deducted, so as to show the net amount payable. If no discounts are allowed the tender should be marked nett. The Crown Agents claim to be placed on the footing of the most favoured wholesale shippers, and they will decline to deal a second time with any Firm that does not so treat them.

(d) Firms may quote alternatively for delivery at any other port at which they can deliver f.o.b. cheaper than that stated.

We hereby agree to supply, in accordance with General Conditions of Contract No. 1, dated November, 1922, on back hereof, the articles above specified, at the price set against each, which includes all charges (see Note), and to deliver free on board ship within 7 days despatch by post from the date of order.

Cost of packing for export ... £

(a) Cost of delivery f.o.b. English Port ... £

(b) Alternative, cost of packing and postage to ... £

Total £

(c) Trade and Shipping allowances per cent. on £ ... £

Cash discount for prompt payment per cent. on £ ... £

Net amount payable (including all charges) on receipt of Bills of Lading, Parcels, Receipt or Certificate of Postage. £

(d) Alternative, total net cost f.o.b. = £

Signature SAMUEL OSBORN &amp; CO. LIMITED.

Address GLYDE STEEL WORKS, SHEFFIELD.

Dated this 4th day of May 1925.

Date of Issue:—

THE FOLLOWING SPACE TO BE LEFT BLANK BY FIRM TENDERING.

PH/.