

Slipway

1919

C.S.

Port

SHI/JET/1 # 3

No.

340

Col. Enquiry

SUBJECT.

1919

14th April

Submits estimate for construction of
Slipway in Stanley Harbour.

Previous Paper.

758/18

MINUTES.

Whaling Cos. invited to make use of slipway
if erected.

Free. This can stand over until the remainder
of the replies are received from the Whaling
Companies.

28.4.19

W.D.
Cor

File

P.A.
11/4/1919

Subsequent Paper.

886/20



14th April 1919.

340/19

Hon. Colonial Secretary.

In accordance with a request from His Excellency, I beg to submit a rough estimate, on separate sheet, as to the cost of a Patent Slipway and Shops to enable repairs etc. to be done to whale catchers. I consider the expenditure would amount to £8000.

2. In preparing such estimate special attention has been given to the available site or sites in and about Stanley Harbour. It also has to be borne in mind that there is only a rise and fall (spring tides) of 6 feet which for practical purposes becomes of little assistance in the docking of vessels with a draught of 10 to 12 feet. Such being the case a site must be selected which will provide a gradient of 1 in 10 to 1 in 16 with suitable bottom on which to lay the ways. On the south side of harbour, owing to run of sea bottom, the slip would have to extend at least 200 feet below L.W.S. and be carried 200 feet from L.W.S. inshore. Suitable site for shops etc. can be found with little difficulty.

On the north side of harbour the run of sea bottom is quicker and so would require the land to be excavated to provide suitable gradient.

3. The estimate provides for a timber slipway with three rail runners supported on concrete piles. Owing to decay such a slipway would have to be renewed in about 8 to 10 years.

The slip to be capable of carrying a vessel of 250 tons dead weight, 150 feet long, 25 feet beam, 12 feet draught, this being approximately the size of the whale catchers working in these waters. The machinery provided should enable all repairs to be effected to engines; boilers; and hull. A small brass foundry has also been

included.

included.

4. As far as possible all expenditure has been covered, i.e. cost of material; freight; foundations; erection; labour etc. but at the present time an accurate estimate is most difficult to submit owing to the unsettled state of the home market.

5. I return herewith drawing of slipway and various correspondence on the question of docking facilities in Stanley kindly lent to me by His Excellency. I do not propose constructing a two-way, as shown in drawing, but a three-way slip as the vessels to be handled are not flat bottomed but have deep keels.

S/S Dept.
No. 50 of 10th
June 1911.
A.Y.
154.19

R.S. Basely. A.M. I. Mech. E.,

Colonial Engineer.

1.	Boiler (120' x 30')	5000
2.	Boiler (120' x 30')	1000
3.	Rolling machine (24" rollers)	50
4.	Roller (10" rollers)	20
5.	Pressing & drawing machine (12 rollers 7" rollers)	100
6.	Rolling Plant (Double rollers)	200
7.	Roll (120' x 30' x 12" thick)	5
8.	Rolls (120' x 30' x 12" thick)	50
9.	Rolling tools (crane blocks, chains, yokes, rollers, punches etc.)	50
10.	Rolling force	5
11.	Rolling Machine (12 rollers)	50
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100.	Rolling Machine (12 rollers)	50

STANLEY. FALKLAND ISLANDS.

Length of Slipway.	400 feet.
To carry vessels of	260 tons dead weight.
Length of vessels.	150 feet.
Beam " " .	25 feet.
Draught " " .	12 feet.

1.	Concrete Piles to carry timber ways.	£ 270.	
2.	" Cross bearers.	200.	
3.	Timber ways including rails; rack; bolts etc.	1000.	
4.	Cradles (timber) including bogies; chains; bolts etc.	400.	
5.	Steam Winch. complete.	100.	£1970.
6.	Appliances for constructing section below. L.W.S.T.	300.	
7.	Labour for construction of slipway.	665.	965.
			<u>£2935.</u>

SHOPS for repair work etc.

1.	Heavy Lathe (24 ft bed)	£450.	
2.	Light lathe (10 $\frac{1}{2}$ " centers)	140.	
3.	Drilling machine. (24" double gear)	30.	
4.	Shaper. (10" stroke)	40.	
5.	Punching & Shearing Machine (1 $\frac{3}{8}$ holes 1" plate)	150.	
6.	Rolling Plant. (Double rollers).	290.	
7.	Fan. (for 2 fires and blast furnace)	4.	
8.	Forge. (1 of 6'X4'X4') (1 6'X3'X3')	20.	
9.	Smithy tools. (swage block; stand; vice; fullers, punches etc.)	30.	
10.	Rivet Forge.	5.	
11.	Steam Hammer. (4 cwt).	90.	
12.	Foundry Requisites. (Pots; ladles; boxes; loam; etc).	50.	
13.	Horizontal Steam Engine.	140.	1439.

14. Boiler.

	Brought Forward.	£1439.	
14.	Boiler (Cochrane).	200.	
15.	Buildings.		
	A	Machine shop. 60' X 35' (walls 15')	
		Fitting " 30' X 35' " "	
		Store. 14' X 35' " "	
		Engine room. 10' X 35' " "	
		<u>114' X 35'</u> " "	
	B	Smithy. 70' X 35' " "	
		Boilerspace. 11' X 35' " "	
		Store. 21' X 35' " "	
		Foundry. 12' X 35' " "	
		<u>114' X 35'</u>	
	Buildings A & B to be erected each side of patent slipway.		
	Roofs to be half glass .		<u>3150. £4789.</u>

TOTALS.

Patent Slipway.	£2935.	
Shops.	<u>4789.</u>	<u>£ 7,724.</u>

Under item 15. Buildings. Labour; Foundations; and erection are included.

R. B. Baseley. A. M. I. Mech; E.

Colonial Engineer.

14th April 1919.