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書類

立公文書館
2 A
39-3
抽 589-590

船舶白書類

レシット 號

4/17/21

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6/19/21

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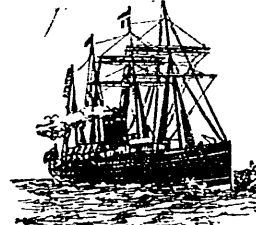
6/19

Handwritten Japanese text and a grid structure on aged paper. The text is written in a cursive style, likely a ledger or account book. The grid consists of approximately 10 columns and 10 rows. The text is arranged in a structured manner, possibly representing a table of entries. The paper shows signs of age, including creases and discoloration.

船類
レシントン
第一五
航海日誌
ノ一

MARINE" SERIES. *Voyage 41-4*


CHIEF OFFICER'S
Log + Book
OF THE
STEAMSHIP, *"Lettington"*



of *Belfast* *Cap: Th. Tate* Commander.

from *Cardiff* to *Hong Kong*

sailed *11th Nov. 1904* arrived _____



41-2

PATT. No. _____ MONTH.

国立公文書館	
分類	
排架番号	2 A
	39 - 3
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INSTRUCTIONS AS TO KEEPING THIS LOG BOOK.

In addition to the ordinary Navigation Entries the attention of the Master and Chief Officer is specially called to the following instructions:—

All Logs to contain the following careful, full, and correct entries:—

- I. Accidents to crew or vessel, damages, and all unusual circumstances.
- II. (a) The time each day of commencing to load or discharge.
(b) Details and duration of any delays on account of weather, or otherwise.
(c) Time of finishing work each day.
(d) Quantity of cargo loaded or discharged each day.
(e) Names of each day's tallymen.
(f) By whom winches have been run, *i.e.*, crew or shoremen.
- III. Receipts and duplicates of receipts for cargo discharged or loaded to be carefully filed on board, that same may be forwarded to Owners if called for.
- IV. One page in each Log Book is reserved for List of Crew on board, and must contain date of joining, and in the case of men leaving the ship abroad, the date of their leaving, and cause.
- V. Slucies, steering gear, and windlass to be kept in good order, and a weekly entry to be made.
- VI. The regulation lights to be kept burning brightly from sunset to sunrise, and a daily entry made to that effect.
- VII. At sea the deck is always to be in charge of a Certificated Officer, and all courses steered to be entered, as per standard compass.

NOTE.—All entries in the Log Book to be examined by Master, and each day to be signed by him and Chief Officer; Log Books to be forwarded to owners on completion of the voyage, if instructions to the contrary have not previously been received.

Signed.....

Brown's "Mercantile Marine" Series.

CHIEF OFFICER'S LOG BOOK

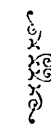
OF THE

Steamship *Lethington* of *Belfast*
Tons Burthen, *2854* Registered No. *113514*

ON A VOYAGE

From *Cardiff*
To *Hong Kong*
Commanded by *Capt. J. H. Tate*
Commencing *Sunday 11th December 1904*
Ending *Wednesday 11th January 1905*
Kept by *Geo. Bergwitz*
Ch. off.

Draught of Water leaving.....forward.....aft.....
Do. arriving at.....forward.....aft.....
Do. leaving.....forward.....aft.....
Do. arriving at.....forward.....aft.....



GLASGOW:

MAY BE HAD FROM ALL CHRONOMETER MAKERS AND SHIP CHANDLERS.

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CHIEF OFFICER'S LIST.

Nos.	NAMES.	CAPACITY.	DATE OF JOINING.	WAGES PER MONTH.	REG. No. OF TICKET.	DATE OF LEAVING.	REMARKS.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

(THE CLUTHA)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lettington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10h		Steering Comp.	Direction.		
Sunday 11th day of December 1904							
A.M.							
1							
2							
3							
4	125		E 3/4 S	446		29.89	Strong wind & squally, throwing spray fore & aft.
5							
6							
7							
8	154		"	4		29.93	Strong wind & heavy rain squalls, heavy sea, shipping water fore & aft.
9							
10							
11							Strong wind & lumpy sea, shipping water fore & aft.
12	183		"	448		29.06	

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon. <i>S 79 E</i>	DISTANCE IN NAUT. MILES. Made good. <i>176</i>	Lat. by Ac't.
	Thro' the water. <i>176</i>	Long. by Ac't.
		.. observed <i>10.21 W</i>
		.. Chronom. <i>62.6 E</i>
		Variation,
		Deviation,
		Distance per Log,
		Error, per cent. ..
		Average speed p. hour,
		COMPASS ERROR by Observation. ERROR
		A.M. Ship's Head,
		P.M. Ship's Head,

P.M.	DISTANCE.	COURSES.	WINDS.	REMARKS.
1				
2				
3				
4	22'	E 3/4 S	448	29.81 Strong wind & high cross sea, shipping water all over.
5				
6				
7				
8	52'	"	"	29.86 Strong gale & heavy squalls, accompanied by rain, shipping heavy water overall.
9				
10				
11				Strong gale, with hard squalls, heavy rain & lightning at SW shipping lot of heavy seas
12	80'	"	448	29.79 Lightning at SW shipping lot of heavy seas

ON THE LOOK-OUT AND HELM.		VESSEL'S SPOKE	REGULATION
From _____ p.m. to _____ p.m.	LOOK-OUT.	HELM.	From _____ p.m. to _____ a.m.
	Sunset to Sunrise		" " " " a.m.
	A. 95		Taken in _____ a.m.
			SICK LIST.

Wm. Stet Commander. *Geo. Bergwitz* Chief Officer.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lettington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.	Force.		
Monday 19th day of December 1904								
A.M. 1								
2								
3								
4	110'		S 7/8 S	S 4/8 E	29.97			Strong wind & squally, heavy rain & low sea.
5								
6								
7								
8	143'		"	S 3/8 E	29.94			Fresh wind & sea moderating. Clear w ^t
9								
10								
11								
12	176'				29.92			Mod. wind, passing showers, even swell

Heating and Distance at Noon,		Inches in Well,		Thermom. 80°	
True Course made to Noon.	DISTANCE IN NAUT. MILES.	Lat. by Ac't.	Long. by Ac't.	Allowed.	Distance per Log.
S 79 E	Made good,	observed 9° 55' N.,	Chronom. 64° 29' E.	Variation, 1 W.	Error, per cent. ..
	Thro' the water, 145			Deviation, 1 W.	Average speed p. hour ..
COMPASS ERROR by Observation.			ERROR		
A.M. Ship's Head, 82° S 2 W			P.M. Ship's Head,		

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.	Force.		
1								
2								
3								
4	34'		S 7/8 S	E	29.87			Mod. wind & clear w ^t
5								
6								
7								
8	67'		"	S 1/3 E	29.96			Light wind & fine clear w ^t
9								
10								
11								
12	101'				29.96			Light wind & clear w ^t . Pumps Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.	From .. p.m. to .. a.m.
	Sunset to Sunrise		" " " " a.m.
	A. B.		Taken in .. a.m.
			SICK LIST.

W. G. G. G. Commander. *G. O. Bergwitz* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 10.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lettington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.	Force.		
Tuesday 13th day of December 1904								
A.M. 1								
2								
3								
4	134'		S 7/8 S	S E	29.92			Mod. wind & showery
5								
6								
7								
8	166'		"	S 1/3 E	29.98			Mod. wind, fine & clear. 9-0 A/c S 1/3
9								
10								
11								
12	197'		S 1/3 E	S 3/8 E	29.96			Mod. breeze & fine clear w ^t . A/c S 1/3 S

Heating and Distance at Noon,		Inches in Well,		Thermom. 81°	
True Course made to Noon.	DISTANCE IN NAUT. MILES.	Lat. by Ac't.	Long. by Ac't.	Allowed.	Distance per Log.
S 83 E	Made good,	observed 9° 53' N.,	Chronom. 67° 47' E.	Variation, 1 W.	Error, per cent. ..
	Thro' the water, 195			Deviation, 1 W.	Average speed p. hour ..
COMPASS ERROR by Observation.			ERROR		
A.M. Ship's Head, 82° S 2 W			P.M. Ship's Head, 81° S 2 W		

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.	Force.		
1								
2								
3								
4	34'		S 1/3 S	S 3/8 E	29.90			Fresh breeze, & cloudy sky.
5								
6								
7								
8	66'		"	"	29.91			Mod. wind & clear w ^t
9								
10								
11								
12	99'				29.92			Fresh wind & clear w ^t . Pumps Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.	From .. p.m. to .. a.m.
	Sunset to Sunrise		" " " " a.m.
	A. B.		Taken in .. a.m.
			SICK LIST.

W. G. G. G. Commander. *G. O. Bergwitz* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 10.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Leithington* from *Cardiff* towards *Hong Kong*

HOURS	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering	Comp.	Direction	Force.		
Wednesday 14th of December 1904								
A.M. 1								
2								
3								
4	133'		S 8 1/4 E		8 SE		29.95	Mod. wind & cloudy, beam swell
5								
6								
7								
8	166'						30.02	Mod. wind, fine & clear
9								
10								
11								Mod. breeze, & fine clear w.
12	198'				8 W		29.98	A/c S 8 1/8 E

Bearing and Distance at Noon, Inches in Well, Thermom. 81°

True Course made to Noon. <i>S 80 E</i>	DISTANCE IN NAUT. MILES. Made good, Thru' the water, <i>216'</i>	Lat. by Ac't. observed <i>29° 58' N</i>	Long. by Ac't. Chronom. <i>71° 34' W</i>	Allowed. Variation, <i>0</i> Deviation, <i>0 E/W</i>	Distance per Log, Error, per cent. Average speed p. hour,	COMPASS ERROR by Observation. A.M. Ship's Head, <i>81° 55' 24"</i> P.M. Ship's Head, <i>58° 32' 34"</i>
---	--	--	---	--	--	---

P.M.	1	2	3	4	5	6	7	8	9	10	11	12
				33'				66'				101'
				S 8 1/2 E				S 8 E				S 8 E
				29.93				30.00				29.99
				Light air & fine w. smooth water				Light wind, & smooth sea, clear w.				Calm & clear w. Pumps, Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.

VESSELS SPOKEN.

REGULATION LANTERNS HUNG OUT.

From p.m. to p.m.	LOOK-OUT.	HELM.	From p.m. to a.m.	REGULATION LANTERNS HUNG OUT.
	Sunset to Sunrise	A. B.		
			Taken in a.m.	SICK LIST.

J. H. Tate Commander.

Geo. Bergwitz Chief Officer.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Leithington* from *Cardiff* towards *Hong Kong*

HOURS	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering	Comp.	Direction	Force.		
Thursday 15th of December 1904								
A.M. 1								0-5 Miniskie St. abou. 2' log 102' A/c S 1/8 E
2								
3								
4	134'		S 1/8 E		Cal			Calu & clear, smooth water
5								
6								
7								
8	168'							Light wind & fine w. smooth sea
9								
10								
11								Woon. A/c S 8 1/8 E.
12	200'				W			Light wind & fine clear w. S 8 swell

Bearing and Distance at Noon, Inches in Well, Thermom.

True Course made to Noon. <i>S 74 E</i>	DISTANCE IN NAUT. MILES. Made good, Thru' the water, <i>211'</i>	Lat. by Ac't. observed <i>29° 57' N</i>	Long. by Ac't. Chronom. <i>71° 49' W</i>	Allowed. Variation, <i>0</i> Deviation, <i>4 W</i>	Distance per Log, Error, per cent. Average speed p. hour,	COMPASS ERROR by Observation. A.M. Ship's Head, <i>83° 28' 40"</i> P.M. Ship's Head,
---	--	--	---	--	--	--

P.M.	1	2	3	4	5	6	7	8	9	10	11	12
				34'				65'				97'
				S 8 1/2 E				S 8				S 8 E
				29.93				30.00				29.98
				Calu & clear w.				Mod. wind, fine clear w.				Strong breeze, & rising sea, shipping sprays foret. clear w. Pumps, Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.

VESSELS SPOKEN.

REGULATION LANTERNS HUNG OUT.

From p.m. to p.m.	LOOK-OUT.	HELM.	From p.m. to a.m.	REGULATION LANTERNS HUNG OUT.
	Sunset to Sunrise	A. B.		
			Taken in a.m.	SICK LIST.

J. H. Tate Commander.

Geo. Bergwitz Chief Officer.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering	Comp.	Direction	Force.		
Friday 16th day of December 1904								
A.M. 1								
2								
3								
4	127'		S 81/2 E		416		29.98	Strong wind & choppy sea shipping sea
5								
6								
7								
8	159'		"		"		30.02	Strong wind & sea, shipping water fore & aft.
9								
10								
11								
12	189'		"		448		29.99	Fresh wind & squally, passing showers

Bearing and Distance at Noon,	Inches in Well, } a.m. p.m.	Thermom. 42°
True Course made to Noon. <i>S 62 E</i>	DISTANCE IN NAUT. MILES. Made good, <i>199'</i> Thro' the water, <i>199'</i>	Lat. by Ac't.
	Long. by Ac't.	Allowed. Variation, <i>14'</i> Deviation, <i>5' W</i>
	A.M. Ship's Head, <i>83/4 264</i>	Distance per Log,
	P.M. Ship's Head,	Error, per cent.,
		Average speed p. hour,

P.M. 1								
2								
3								
4	32'		S 81/2 E		448		29.96	Strong wind & squally, with heavy rain.
5								
6								
7								
8	64'		"		"		30.00	Strong wind & sea. 10-0 W 3/8 log 80'
9								
10								
11								
12	94'		S 1/3		"		29.98	Strong wind & squally, clear wt. Pumps, Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.		REGULATION LANTERNS HUNG OUT.	
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.
	Sunset to Sunrise.		" " " " a.m.	" " " " a.m.	" " " " a.m.
	A. B.		Taken in .. a.m.	Taken in .. a.m.	Taken in .. a.m.
			SICK LIST.		

W. G. Tate Commander. *Geo. Bergqvist* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 10.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering	Comp.	Direction	Force.		
Saturday 17th day of December 1904								
A.M. 1								
2								
3								
4	150'		S 1/3		448		30.00	Mod. wind & cloudy, W by swell.
5								
6								
7								
8	163'		"		"		30.02	Mod. wind, cloudy wt. 9-45 W by East log 168'
9								
10								
11								
12	195'		East		448		29.98	Mod. wind & clear wt.

Bearing and Distance at Noon,	Inches in Well, } a.m. p.m.	Thermom. 48°
True Course made to Noon. <i>S 69 E</i>	DISTANCE IN NAUT. MILES. Made good, <i>158'</i> Thro' the water, <i>158'</i>	Lat. by Ac't.
	Long. by Ac't.	Allowed. Variation, <i>0</i> Deviation, <i>0</i>
	A.M. Ship's Head, <i>East 0</i>	Distance per Log,
	P.M. Ship's Head,	Error, per cent.,
		Average speed p. hour,

P.M. 1								
2								
3								
4	32'		S 1/4 E		S		29.90	Light air & fine wt. head swell
5								
6								
7								
8	63'		"		"		29.93	Fresh wind & clear wt.
9								
10								
11								
12	95'		"		SW		29.96	Fresh wind & rainsqually, high head swell. Pumps, Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.		REGULATION LANTERNS HUNG OUT.	
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.
	Sunset to Sunrise.		" " " " a.m.	" " " " a.m.	" " " " a.m.
	A. B.		Taken in .. a.m.	Taken in .. a.m.	Taken in .. a.m.
			SICK LIST.		

W. G. Tate Commander. *Geo. Bergqvist* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 10.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. 'Lethington' from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS, Bar., REMARKS. Includes handwritten entries for Sunday 1st Dec 1924.

Table for Bearing and Distance at Noon, Inches in Well, Thermom., True Course made to Noon, DISTANCE IN NAUT. MILES., Lat. by Ac't., Long. by Ac't., Allowed., Distance per Log., COMPASS ERROR by Observation, ERROR.

Table for P.M. hours with columns: HOURS, DISTANCE (K, 10th), COURSES, WINDS, Bar., REMARKS.

Table for ON THE LOOK-OUT AND HELM, LOOK-OUT, HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT, SICK LIST.

Signature of Commander and Chief Officer at the bottom of the page.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. 'Lethington' from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10th), COURSES, WINDS, Bar., REMARKS. Includes handwritten entries for Monday 1st Dec 1924.

Table for Bearing and Distance at Noon, Inches in Well, Thermom., True Course made to Noon, DISTANCE IN NAUT. MILES., Lat. by Ac't., Long. by Ac't., Allowed., Distance per Log., COMPASS ERROR by Observation, ERROR.

Table for P.M. hours with columns: HOURS, DISTANCE (K, 10th), COURSES, WINDS, Bar., REMARKS.

Table for ON THE LOOK-OUT AND HELM, LOOK-OUT, HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT, SICK LIST.

Signature of Commander and Chief Officer at the bottom of the page.

Vertical text on the right margin: 封筒在中物

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lettington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Tuesday 20th day of December 1904								
A.M. 1								
2								
3								
4	138'		East	SSW		29.98		Mod. wind & clear. N.E. swell
5								Passed several uprooted trees in water
6								
7								
8	162'		"	SE		29.99		Mod. wind & heavy rain squalls
9								
10								
11								
12	194'		"	SE		29.99		Wc 8 1/2 S Light breeze & passing showers

Bearing and Distance at Noon,	Inches in Well,	a.m.	p.m.	Thermom. ... 80°
True Course made to Noon,	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't.	Long. by Ac't.	Allowed.
888	188'	observed 6:18	Chronom. 29:18	Variation, 0
	Thro' the water, 188'			Deviation, 3W
				Average speed p. hour,
				A.M. Ship's Head,
				P.M. Ship's Head, 8 1/2 S

P.M. 1								
2								
3								
4	32'		8 1/2 S	SSW		29.99		Light breeze & fine w. passing showers
5								
6								
7								
8	64'					29.95		Light wind & fine clear w.
9								
10								
11								Light wind & clear w. but heavy clouds
12	102'		"	S		29.96		Lights & Lookout carefully attended.

ON THE LOOK-OUT AND HELM.		VESSLS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From	Look-out.		From
p.m. to p.m.			p.m. to a.m.
	Sunset to Sunrise		" " " a.m.
	A. B.		Taken in a.m.
			SICK LIST.

W. H. E. O. Commander. *Geo. Bergwitz* Chief Officer.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lettington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Wednesday 21st day of December 1904								
A.M. 1								
2								
3								
4	134'		8 1/2 S	S		29.98		Light wind & fine clear w.
5								
6								
7								
8	143'		"	"		29.99		8° wind & w.
9								
10								
11								
12	205'		"	SW		29.98		Wc 8 1/2 S Mod. breeze & fine clear w.

Bearing and Distance at Noon,	Inches in Well,	a.m.	p.m.	Thermom. ... 80°
True Course made to Noon,	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't.	Long. by Ac't.	Allowed.
East	143'	observed 6:24	Chronom. 29:18	Variation, 0
	Thro' the water, 143'			Deviation, 0
				Average speed p. hour,
				A.M. Ship's Head,
				P.M. Ship's Head,

P.M. 1								
2								
3								
4	35'		8 1/2 S	SSW		29.95		Light wind & passing showers
5								
6								
7								
8	70'		"	S		30.01		Fresh wind & clear w.
9								
10								
11								Fresh wind & fine clear w. Pump, etc.
12	105'		"	SSW		30.03		& Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.		VESSLS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From	Look-out.		From
p.m. to p.m.			p.m. to a.m.
	Sunset to Sunrise		" " " a.m.
	A. B.		Taken in a.m.
			SICK LIST.

W. H. E. O. Commander. *Geo. Bergwitz* Chief Officer.

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(THE CLUTHA)

CHIEF OFFICER'S LOG BOOK.

S.S. Lethington from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10h), COURSES (Steering Comp, Direction, Force), WINDS, Bar, REMARKS. Entries for hours 1-12.

Summary table: True Course made to Noon, DISTANCE IN NAUT. MILES., Lat. by Ac't., Long. by Ac't., Allowed, Distance per Log., COMPASS ERROR by Observation.

Table with columns: HOURS, DISTANCE, COURSES, WINDS, Bar, REMARKS. Entries for hours 1-12.

ON THE LOOK-OUT AND HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT, SICK LIST.

Signature: The Cat Commander, A. Bergwitz Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 10.

(THE CLUTHA)

CHIEF OFFICER'S LOG BOOK.

S.S. Lethington from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10h), COURSES (Steering Comp, Direction, Force), WINDS, Bar, REMARKS. Entries for hours 1-12.

Summary table: True Course made to Noon, DISTANCE IN NAUT. MILES., Lat. by Ac't., Long. by Ac't., Allowed, Distance per Log., COMPASS ERROR by Observation.

Table with columns: HOURS, DISTANCE, COURSES, WINDS, Bar, REMARKS. Entries for hours 1-12.

ON THE LOOK-OUT AND HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT, SICK LIST.

Signature: The Cat Commander, A. Bergwitz Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 10.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Saturday 24 th day of December 1904								
A.M. 1								
2								
3								
4	145'		S 2	SSW		30.00		3-30 A/c S 2 Light wind & calm, clear wt.
5								4-10 One fathom bank Lt. abn. 1' log 46' A/c S 2 1/2
6								
7								
8	181'		S 2 1/2 E	W		30.06		Light wind & rain squally, smooth sea.
9								10-0 Machado Lt. ho. abn. 3' log 197' A/c S 2 1/2
10								
11								
12	216'		S 2 1/2 E	WNW		30.06		Light breeze & passing showers

Bearing and Distance at Noon,	Inches in Well,	Thermom. 82°
True Course made to Noon, 356 E	DISTANCE IN NAUT. MILES. Made good, 223'	Lat. by Ac't. observed, 21 1/2 N
Long. by Ac't. Chronom. 148 1/2 W	Allowed. Variation, 2 E	Distance per Log,
Thru' the water, 223'	Deviation, 3 W	Error, per cent.,
	Average speed p. hour,	COMPASS ERROR by Observation. A.M. Ship's Head, 5 1/2 W
		P.M. Ship's Head, 8 1/2 W

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Sunday 25 th day of December 1904								
1								
2								
3								
4	36'		S 2 1/2 E	Calmed		29.95		2-50 Pilot Under abn. 3 1/2' log 25'
5								Calmed & fine clear wt. smooth water.
6								
7								
8	72'		S 2 1/2 E			30.02		Calmed & smooth water, clear wt.
9								10-5 Pisang Lt. abn. 5' log 91'
10								
11								Light & var. winds, fine clear wt. Bumps, lights & look-out carefully attended to.
12	108'		var.	var.		30.04		

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.	From .. p.m. to .. a.m.
	Sunset to Sunrise		" " " " a.m.
	A. B.	2-30 p.m. To Allentown bound West	Taken in .. a.m.
			SICK LIST.

W. J. S. J. Commander. *G. Bergwitz* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 10.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Sunday 25 th day of December 1904								
A.M. 1								1-0 Hung eng. Stand by 1-15 speed down
2								2-0 Anchored in 12 fathoms water Sultan Shoal bearing N 2 S, Ajax Shoal N. Bury S S W
3								to follow cable on 1st anchor
4								
5								6-0 Started to get under way
6								6-30 Got Pilot aboard, & proceeded full speed
7								9-0 Made fast alongside No 3 wharf, all ready to commence bunkering.
8								10-0 commenced bunkering, short of ..
9								
10								
11								
12								Noon. Increased gang of coalies

Bearing and Distance at Noon,	Inches in Well,	Thermom. 82°
True Course made to Noon,	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't. observed,
Long. by Ac't. Chronom.	Allowed. Variation,	Distance per Log,
Thru' the water,	Deviation,	Error, per cent.,
	Average speed p. hour,	COMPASS ERROR by Observation. A.M. Ship's Head,
		P.M. Ship's Head,

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Sunday 25 th day of December 1904								
1								4-30 p.m. Finished bunkering
2								5-10 Hove off quay, with assistance of Pilot launch, Pilot on board
3								5-40 Discharged pilot at anchorage & proceeded full way. Set log Co. 2 1/2 W
4								Strong W by wind & heavy rain squalls
5								6-45 A/c 2 1/2 W
6								Strong wind & heavy rain squalls
7								9-4 of Horoburgh Lt. ho. abn. 2' log 53'
8	19'		S 2 1/2 W	W		30.05		Strong wind & squally, heavy sea. Bumps, lights & look-out carefully attended to.
9								
10								
11								
12	48'		2 1/2 W			30.03		

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.	From .. p.m. to .. a.m.
	Sunset to Sunrise		" " " " a.m.
	A. B.		Taken in .. a.m.
			SICK LIST.

W. J. S. J. Commander. *G. Bergwitz* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 10.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Monday 26 th day of December 1904								
A.M. 1								
2								
3								
4	80'		8/91	9NW		29.98		Fresh wind, & choppy beam sea, clear wt.
5								
6								
7								
8	111'			9Eg		30.02		Strong wind & heavy squalls, heavy beam sea, ship labouring, & taking water overall
9								
10								
11								
12	141'					30.02		Strong wind & squally, spraying fore & aft.

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon, <i>80E</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't,
	Thru' the water, <i>145</i>	Long. by Ac't,
		Chronom. <i>106.16.8</i>
		Variation,
		Deviation,
		Average speed p. hour,
		COMPASS ERROR by Observation,
		A.M. Ship's Head,
		P.M. Ship's Head,

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Noon <i>08/8</i> <i>8</i>								
1								
2								
3								
4	29'		9E/8E	9E		29.97		Strong wind & squally, beam sea. 5.0 <i>Camel's Hump</i> abou. 15' log 35'
5								
6								
7								
8	56'			9Wg		30.02		Strong wind & sea, shipping water overall
9								
10								
11								
12	85'					30.02		Fresh wind & sea, shipping water. <i>Pumps</i> Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM.			VESSELS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.		From .. p.m. to .. a.m.
	<i>Sunset to Sunrise</i>			" " " " a.m.
				Taken in .. a.m.
				SICK LIST.

W. J. Tate Commander. *W. J. Tate* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 10.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Tuesday 27 th day of December 1904								
A.M. 1								1-2 <i>08/8</i>
2								
3								
4	116'		8N2E	9NW		29.98		Fresh breeze & clear, less sea.
5								
6								
7								
8	148'		8/91			30.03		Fresh wind & squally, clear wt.
9								9-30 <i>Pt. Pierre Is.</i> abou. 5' log 158' <i>08/8</i>
10								11-30 <i>08/8</i>
11								
12	180'		var.	9		30.00		Mod. breeze & passing showers

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon, <i>91.5E</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't,
	Thru' the water, <i>178</i>	Long. by Ac't,
		Chronom. <i>107.18</i>
		Variation,
		Deviation,
		Average speed p. hour,
		COMPASS ERROR by Observation,
		A.M. Ship's Head,
		P.M. Ship's Head,

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
1-15 <i>Mussundasa I.</i> abou. 2' log 10' <i>08/8</i>								
1								
2								
3								
4	33'		9E/8E	9E		29.90		Fresh wind & squally
5								4-25 <i>Sansong Is.</i> abou. 10' log 36'
6								6-0 <i>08/8</i>
7								
8	63'		9E/8E	9NW		29.95		Fresh wind & squally, choppy sea.
9								9-15 <i>08/8</i>
10								
11								
12	95'		9E	9		29.97		Fresh wind & rain squally, high N.E. swell. <i>Pumps, Lights & Lookout</i> carefully attended to.

ON THE LOOK-OUT AND HELM.			VESSELS SPOKEN.	REGULATION LANTERNS HUNG OUT.
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.		From .. p.m. to .. a.m.
	<i>Sunset to Sunrise</i>			" " " " a.m.
				Taken in .. a.m.
				SICK LIST.

W. J. Tate Commander. *W. J. Tate* Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 10.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10h		Steering Comp.	Direction.		
Wednesday 28 th day of December 1904							
A.M.							
1							
2							
3							
4	136'		N 8	NW		29.98	Mod. wind & clear w. heavy head swell.
5							
6							
7							
8	154		S 4 E			29.98	Afc 8 1/2 fresh breeze & rainy, cloudy & overcast
9							
10							
11							
12	184			SSE		29.94	Mod. breeze & heavy rain N by swell, ship rolling heavily

Bearing and Distance at Noon, <i>rolling</i> Inches in Well, <i>7.8°</i>		Thermom. <i>78°</i>	
True Course made to Noon <i>N 63 E</i>	DISTANCE IN NAUT. MILES. Made good, <i>178'</i> Thro' the water, <i>178'</i>	Lat. by Ac't. <i>32.34</i> observed <i>32.34</i> Chronom. <i>111.42.8</i>	Long. by Ac't. <i>111.42.8</i> Variation, <i>2.8</i> Deviation, <i>2.8</i>
Allowed. <i>2.8</i> Distance per Log. <i>178'</i> Error, per cent. <i>1</i> Average speed p. hour. <i>12.5</i>		COMPASS ERROR by Observation. A.M. Ship's Head, <i>29.8</i> P.M. Ship's Head, <i>42.8</i>	

P.M.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10h		Steering Comp.	Direction.		
Thursday 29 th day of December 1904							
1							
2							
3							
4	32'		S 4 E	NW		29.89	Calm & cloudy, heavy N by swell
5							
6							
7							
8	61'			N 2 E		29.93	Mod. wind, sky overcast with rain 8-45 Afc N 8/4 log 67'
9							
10							
11							
12	91'		N 8/4 var.			29.95	Mod. & var. light N by wind, continued heavy rain, hard swell. Pumps, lights & look-out carefully attended to.

ON THE LOOK-OUT AND HELM.		REGULATION LANTERNS HUNG OUT.	
From <i>6</i> p.m. to <i>11</i> p.m.	LOOK-OUT. <i>Sunset to Sunrise</i>	HELM. <i>A. B.</i>	From <i>6</i> p.m. to <i>11</i> a.m.
			Taken in <i>11</i> a.m.
			SICK LIST.

The Star Commander. *G. W. Morgan* Chief Officer.
 "THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 16.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10h		Steering Comp.	Direction.		
Thursday 29 th day of December 1904							
A.M.							
1							
2							
3							
4	123'		N 8/4	SE		29.88	Mod. wind & overcast, small rain
5							
6							
7							
8	150'					29.90	Light wind, strong head swell, cloudy
9							
10							
11							
12	178'			S 4 E		29.96	Mod. breeze & clear w. head swell.

Bearing and Distance at Noon, <i>rolling</i> Inches in Well, <i>7.8°</i>		Thermom. <i>78°</i>	
True Course made to Noon <i>N 51 E</i>	DISTANCE IN NAUT. MILES. Made good, <i>186'</i> Thro' the water, <i>186'</i>	Lat. by Ac't. <i>32.34</i> observed <i>32.34</i> Chronom. <i>111.42.8</i>	Long. by Ac't. <i>111.42.8</i> Variation, <i>2.8</i> Deviation, <i>2.8</i>
Allowed. <i>2.8</i> Distance per Log. <i>186'</i> Error, per cent. <i>1</i> Average speed p. hour. <i>12.5</i>		COMPASS ERROR by Observation. A.M. Ship's Head, <i>29.8</i> P.M. Ship's Head, <i>42.8</i>	

P.M.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10h		Steering Comp.	Direction.		
Thursday 29 th day of December 1904							
1							
2							
3							
4	30'		N 8 1/2 N	SE		29.90	5-0 Afc N 8 1/2 N Strong wind & clear, head sea
5							
6							
7							
8	58'					29.96	Strong head wind & sea, cloudy sky
9							
10							
11							
12	85'					29.97	Strong wind & hard squalls, head sea, shipping at 1/2 to 3/4. Pumps, lights & look-out carefully attended to.

ON THE LOOK-OUT AND HELM.		REGULATION LANTERNS HUNG OUT.	
From <i>6</i> p.m. to <i>11</i> p.m.	LOOK-OUT. <i>Sunset to Sunrise</i>	HELM. <i>A. B.</i>	From <i>6</i> p.m. to <i>11</i> a.m.
			Taken in <i>11</i> a.m.
			SICK LIST.

The Star Commander. *G. W. Morgan* Chief Officer.
 "THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 16.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. "Lethington" from Cardiff towards Hong Kong

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Sunday 1st day of January 1908								
A.M. 1								
2								
3								
4	106'		N 1/2 E	N E			30.10	Mod. wind & fine clear w. less sea.
5								
6								
7								
8	130						30.13	Strong wind & sea, throwing sprays below.
9								9-25 A/c N 2/4 E
10								
11								Strong wind & high head sea, shipping heavy water fore & aft. A/c N 2/4 E
12	157		N 1/2 W				30.12	

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon,	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't. Long. by Ac't.
N 27 E	172'	observed 12.30.18 Chronom. 119.42
Thru' the water,	Allowed.	Variation,
	Distance per Log,	Error, per cent.
	A.M. Ship's Head,	P.M. Ship's Head,
	Compass Error by Observation,	ERROR

P.M.	1	2	3	4	5	6	7	8	9	10	11	12
				24'				40'				54'
				N 2/4 E				N E				N 1/2 E
				30.06				30.14				30.14
				Strong wind & high sea, shipping heavy water over forecable. Cloudy w. 6-0 based down to shorten steering chains & repair relieving tackle blocks.				8-0 full speed again to N E				Mod. gale & high head sea, shipping heavy water. Pumps in operation & bilge pumps started.

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.		REGULATION LANTERNS HUNG OUT.	
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.		From .. p.m. to .. a.m.	
	Sunset to Sunrise			Taken in .. a.m.	
				SICK LIST.	

The Star Commander. G. Bergqvist Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 16.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. "Lethington" from Cardiff towards Hong Kong

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Monday 2nd day of January 1908								
A.M. 1								
2								
3								
4	75'		N N E	N E			30.10	Strong gale, with high sea, ship labouring heavily
5								6-0 A/c N 1/8 log 86'
6								
7								
8	96'						30.16	Strong gale & head sea, clear w.
9								
10								
11								
12	125'		N E				30.12	Fresh breeze, wind & sea moderating

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon,	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't. Long. by Ac't.
N 19 E	142'	observed 14.44.18 Chronom. 119.42
Thru' the water,	Allowed.	Variation,
	Distance per Log,	Error, per cent.
	A.M. Ship's Head,	P.M. Ship's Head,
	Compass Error by Observation,	ERROR

P.M.	1	2	3	4	5	6	7	8	9	10	11	12
				32'				61'				91'
				N 1/2 E				N 1/2 W				N W
				30.08				30.12				30.16
				High breeze & smooth water				Fresh wind & clear w.				10-0 A/c N W
				6-0 A/c N W 3/4 W log 47				Fresh breeze, & strong head swell. Pumps in operation & bilge pumps started.				

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.		REGULATION LANTERNS HUNG OUT.	
From .. p.m. to .. p.m.	LOOK-OUT.	HELM.		From .. p.m. to .. a.m.	
	Sunset to Sunrise			Taken in .. a.m.	
				SICK LIST.	

The Star Commander. G. Bergqvist Chief Officer.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 16.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Tuesday 3 rd day of January 1905							
A.M. 1							
2							
3							
4	122'		N/W	N 2		30.12	Light breeze & fine w ^t head sea
5							
6							
7							
8	154'		"	"		30.18	Light wind, fine & clear, N 2 swell
9							
10							
11							
12	185'		"	"		30.21	Mod. breeze & choppy sea clear w ^t N 2 W 2 N

Bearing and Distance at Noon,	Inches in Well,	Thermom. 74
True Course made to Noon, <i>N 2 W</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't,
Lat. by Ac't,	Long. by Ac't,	Allowed,
Distance per Log,	COMPASS ERROR by Observation,	ERROR,
A.M. Ship's Head, <i>N 1/2 W 2 1/2 E</i>	P.M. Ship's Head, <i>N W 4 E</i>	

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Wednesday 4 th day of January 1905							
A.M. 1							
2							
3							
4	134'		NW 2 N	N 2 E		30.25	Fresh breeze & cloudy, beam sea showing sprays fore & aft.
5							
6							
7							
8	169'		"	N 2 E		30.29	Fresh wind & sea, ship's head sprays
9							
10							
11							
12	206'		"	N 2 W		30.30	Mod. breeze & fine clear w ^t

Bearing and Distance at Noon,	Inches in Well,	Thermom. 74
True Course made to Noon, <i>N 2 W</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't,
Lat. by Ac't,	Long. by Ac't,	Allowed,
Distance per Log,	COMPASS ERROR by Observation,	ERROR,
A.M. Ship's Head, <i>N 1/2 W 2 1/2 E</i>	P.M. Ship's Head, <i>N W 4 E</i>	

ON THE LOOK-OUT AND HELM. VESSELS SPOKEN. REGULATION LANTERNS HUNG OUT.

From _____ p.m. to _____ p.m. Look-out. HELM. From _____ p.m. to _____ a.m. Taken in _____ a.m. SICK LIST.

The Sat. Commander. *Geo. Bergwitz* Chief Officer.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *Cardiff* towards *Hong Kong*

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Wednesday 4 th day of January 1905							
A.M. 1							
2							
3							
4	134'		NW 2 N	N 2 E		30.25	Fresh breeze & cloudy, beam sea showing sprays fore & aft.
5							
6							
7							
8	169'		"	N 2 E		30.29	Fresh wind & sea, ship's head sprays
9							
10							
11							
12	206'		"	N 2 W		30.30	Mod. breeze & fine clear w ^t

Bearing and Distance at Noon,	Inches in Well,	Thermom. 74
True Course made to Noon, <i>N 2 W</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't,
Lat. by Ac't,	Long. by Ac't,	Allowed,
Distance per Log,	COMPASS ERROR by Observation,	ERROR,
A.M. Ship's Head, <i>N 1/2 W 2 1/2 E</i>	P.M. Ship's Head, <i>N W 4 E</i>	

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Wednesday 4 th day of January 1905							
P.M. 1							1-30 Pratas Is. abou. 6 log 12
2							
3							
4	34'		NW 2 W	N 2 E		30.24	Fresh breeze & clear
5							
6							
7							
8	68'		"	"		30.28	Mod. breeze & fine clear w ^t
9							9-15 A/c N W 2 W
10							
11							
12	103'		NW 2 W	N 2 E		30.28	Mod. breeze & fine clear w ^t Pratas Lights

Bearing and Distance at Noon,	Inches in Well,	Thermom. 74
True Course made to Noon, <i>N 2 W</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't,
Lat. by Ac't,	Long. by Ac't,	Allowed,
Distance per Log,	COMPASS ERROR by Observation,	ERROR,
A.M. Ship's Head, <i>N 1/2 W 2 1/2 E</i>	P.M. Ship's Head, <i>N W 4 E</i>	

ON THE LOOK-OUT AND HELM. VESSELS SPOKEN. REGULATION LANTERNS HUNG OUT.

From _____ p.m. to _____ p.m. Look-out. HELM. From _____ p.m. to _____ a.m. Taken in _____ a.m. SICK LIST.

The Sat. Commander. *Geo. Bergwitz* Chief Officer.

封筒在中物

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. Lethington from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS (Bar.), REMARKS. Includes handwritten entries for Thursday 5th December 1925.

Summary table with columns: True Course made to Noon, DISTANCE IN NAUT. MILES, Lat. by Ac't, Long. by Ac't, Allowed, Distance per Log, COMPASS ERROR by Observation, etc.

Table for P.M. hours (1-12) with columns for HOURS and REMARKS. Includes handwritten notes about coals and rigging.

Table with columns: ON THE LOOK-OUT AND HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT, SICK LIST.

Signature of Commander and Chief Officer. Includes text: 'THE CLUTHA'—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 16.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. Lethington from Hong Kong towards Vladivostok

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS (Bar.), REMARKS. Includes handwritten entries for Friday 6th January 1926.

Summary table with columns: True Course made to Noon, DISTANCE IN NAUT. MILES, Lat. by Ac't, Long. by Ac't, Allowed, Distance per Log, COMPASS ERROR by Observation, etc.

Table for P.M. hours (1-12) with columns for HOURS and REMARKS. Includes handwritten notes about anchor and wind.

Table with columns: ON THE LOOK-OUT AND HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT, SICK LIST.

Signature of Commander and Chief Officer. Includes text: 'THE CLUTHA'—BROWN'S CHIEF OFFICER'S LOG. Registered. THE "MERCANTILE MARINE" SERIES. PATT. 16.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. Lethington from Hong Kong towards Vladivostok

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS, Bar., REMARKS. Includes handwritten entries for Saturday 1st day of January 1905.

Summary table for Saturday 1st day of January 1905, including True Course made to Noon (N 45 E), DISTANCE IN NAUT. MILES., and COMPASS ERROR by Observation.

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS, Bar., REMARKS. Includes handwritten entries for P.M. 1-12.

REGULATION LANTERNS HUNG OUT. Table with columns: ON THE LOOK-OUT AND HELM., VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT.

Signature of Commander and Chief Officer for Saturday 1st day of January 1905.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 10.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. Lethington from Hong Kong towards Vladivostok

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS, Bar., REMARKS. Includes handwritten entries for Sunday 2nd day of January 1905.

Summary table for Sunday 2nd day of January 1905, including True Course made to Noon (N 45 E), DISTANCE IN NAUT. MILES., and COMPASS ERROR by Observation.

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp., Direction, Force), WINDS, Bar., REMARKS. Includes handwritten entries for P.M. 1-12.

REGULATION LANTERNS HUNG OUT. Table with columns: ON THE LOOK-OUT AND HELM., VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT.

Signature of Commander and Chief Officer for Sunday 2nd day of January 1905.

"THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 10.

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(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Pittington* from *Hong Kong* towards *Vladivostok*

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering	Comp.	Direction	Force		
								<i>Wednesday day of 11th January 1905</i>
A.M.								
1								
2								
3								
4	<i>124'</i>		<i>N 2</i>		<i>N 4 E</i>		<i>30.30</i>	<i>Fresh breeze & clear w. sea smooth</i>
5								
6								
7								
8	<i>160'</i>		<i>"</i>		<i>"</i>		<i>30.33</i>	<i>2nd wind & wth</i>
9								
10								
11								
12	<i>195'</i>		<i>"</i>		<i>N 4 E</i>		<i>30.35</i>	<i>Mod. wind & fine clear w. sea smooth.</i>

Bearing and Distance at Noon, Inches in Well, Thermom.

True Course made to Noon. <i>N 43 E</i>	DISTANCE IN NAUT. MILES. Made good..... Thro' the water, <i>190'</i>	Lat. by Ac't..... ,, observed <i>32-48</i>	Long. by Ac't..... ,, Chronom. <i>124-7.8</i>	Allowed. Variation, <i>2 W.</i> Deviation, <i>2 E.</i>	Distance per Log..... Error, per cent. ,, .. Average speed p. hour.....	COMPASS ERROR by Observation. A.M. Ship's Head, <i>98</i> P.M. Ship's Head, <i>90</i>
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P.M.	K	10th	Steering	Comp.	Direction	Force	Bar.	REMARKS.
1								
2								
3								
4	<i>33'</i>		<i>N 8 1/2 W</i>		<i>"</i>		<i>30.35</i>	<i>Mod. wind & clear 6-0 ofc N 8</i>
5								
6								
7								
8	<i>64'</i>		<i>N 8</i>		<i>S 48 E</i>		<i>30.35</i>	<i>Fresh wind & clear w. ofc N 8 1/2 E</i>
9								
10								
11								
12	<i>90'</i>		<i>N 6 1/2 E</i>		<i>"</i>		<i>30.36</i>	<i>Strong breeze & squally, mod. head sea clouds, light & variable & squally</i>

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.		REGULATION LANTERNS HUNG OUT.	
From	To	LOOK-OUT.	HELM.	From	To

W. J. St. John Commander. _____ Chief Officer.

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