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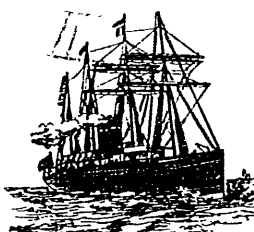
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類書船船

航海日誌
第一五號
レシントン

MARINE" SERIES.

Voyage No. 4



CHIEF OFFICER'S Log + Book

OF THE

STEAMSHIP, "*Lethington*"

of *Belfast* *Capt. G. Tate* Commander.

from *Cardiff* to *Hong Kong*

sailed *11th Nov. 1904* arrived _____



No. 1

PATT. No. _____

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国立公文書館

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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

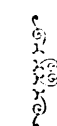
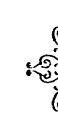
OF THE

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

ON A VOYAGE

From *Cardiff, S. Wales*
 To *Hong Kong (for orders)*
 Commanded by *Capt. J. G. Tate*
 Commencing *Sat. 5th Nov. 1904*
 Ending *Sat. 10th Dec. 1904*
 Kept by *A. G. Bergin*
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.

封筒在中物

(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.		
A.M.							<i>Saturday 13th day of November 1904</i>
1			<i>SW/W</i>				<i>1-0 Penderu abn. 3' log 90'</i>
2							<i>1-50 Longships abn. 1'</i>
3							<i>2-45 Wolf abn. 4 1/2' log 105'</i>
4	<i>115'</i>		<i>SW 1/2 S</i>	<i>N</i>		<i>30.35</i>	<i>Mod. wind & cloudy w.</i>
5							<i>4-15 St. Agnes Lt. abn. log 114'</i>
6							<i>4-30 Bishop's Lt. abn. log 119'</i>
7							
8	<i>150'</i>					<i>30.33</i>	<i>Mod. wind. Strong W'ly swell, ship rolling heavily</i>
9							
10							
11							
12	<i>185'</i>			<i>S 1/4</i>		<i>30.40</i>	<i>Light & var. wind. W'ly swell, ship rolling heavily</i>

Bearing and Distance at Noon.....	Inches in Well, } a.m. p.m.	Thermom. <i>60°</i>
True Course made to Noon. <i>Var.</i>	DISTANCE IN NAUT. MILES. Made good. <i>1.87</i> Thro' the water. <i>1.87</i>	Lat. by Ac't. <i>48-49</i> Long. by Ac't. <i>12-39 W</i> Chronom. <i>8-59 W</i>
Allowed. Variation. <i>30 N</i> Error, per cent. <i>53.8</i> Average speed p. hour.	COMPASS ERROR by Observation. A.M. Ship's Head. <i>SW 1/2 S 162 W</i> P.M. Ship's Head.	Distance per Log.

P.M.	K	10th	COURSES.	WINDS.	Bar.	REMARKS.	
1							
2							
3							
4	<i>35'</i>		<i>SW 1/2 S</i>	<i>S 1/4</i>		<i>30.40</i>	<i>Light breeze, & overcast. Westly swell</i>
5							
6							
7							
8	<i>68'</i>					<i>30.40</i>	<i>Light wind & N'ly swell, clear w.</i>
9							
10							
11							<i>fresh breeze, & foggy w. Pump Light & Lookout carefully attended to.</i>
12	<i>98'</i>			<i>S 1/2</i>		<i>30.40</i>	

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

The Clutha Commander. *Mrs. Bergwitz* 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.		
A.M.							<i>Sunday 13th day of November 1904</i>
1							
2							
3							
4	<i>131'</i>		<i>SW 1/2 S</i>	<i>SSE</i>		<i>30.38</i>	<i>Fresh to strong wind, & cloudy w.</i>
5							
6							
7							
8	<i>141'</i>			<i>S 1/4</i>		<i>30.34</i>	<i>Fresh wind & clear w. cloudy sky.</i>
9							
10							
11							
12	<i>205'</i>			<i>SSE</i>		<i>30.33</i>	<i>F. wind & w. A/o SW 1/2 S</i>

Bearing and Distance at Noon.....	Inches in Well, } a.m. p.m.	Thermom. <i>61°</i>
True Course made to Noon. <i>S 1/2 N</i>	DISTANCE IN NAUT. MILES. Made good. <i>2.00</i> Thro' the water. <i>2.00</i>	Lat. by Ac't. <i>48-49</i> Long. by Ac't. <i>12-39 W</i> Chronom. <i>8-59 W</i>
Allowed. Variation. <i>30 N</i> Error, per cent. <i>53.8</i> Average speed p. hour.	COMPASS ERROR by Observation. A.M. Ship's Head. <i>SW 1/2 S 162 W</i> P.M. Ship's Head.	Distance per Log.

P.M.	K	10th	COURSES.	WINDS.	Bar.	REMARKS.	
1							
2							
3							
4	<i>34'</i>		<i>SW 1/2 S</i>	<i>SSE</i>		<i>30.32</i>	<i>Mod. wind & clear w. beam swell</i>
5							
6							
7							
8	<i>64'</i>					<i>30.32</i>	<i>Mod. wind & fine clear w. strong swell 10-0 p.m. A/o SW 1/2 S</i>
9							
10							
11							<i>Mod. wind & clear w. Pump Light & Lookout carefully attended to.</i>
12	<i>105'</i>		<i>SW 1/2 S</i>	<i>SSE</i>		<i>30.32</i>	

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

The Clutha Commander. *Mrs. Bergwitz* Chief Officer.
 "THE CLUTHA"—BROWN'S CHIEF OFFICER'S LOG. Register. THE "MERCANTILE MARINE" SERIES. PATT. 16.

封筒在中物

(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.	Force.			
Monday 14 th day of November 1904								
A.M. 1								
2								
3								
4	134'		S/W/S	38E			30.50	Mod. breeze, & fine clear w ^r
5								6-30 C. Villano abn. 13' log 158'
6								7-40 A/o S/W 3/4 W log 168'
7								
8	141'		S/W 1/2 N	"			30.29	Light wind, & fine clear w ^r
9								8-50 C. 4. mistere abn. 12' log 178'
10								9-40 A/o S/W 1/2 W
11								
12	205'		S/W 1/2 W	"			30.32	Light wind & clear w ^r

Bearing and Distance at Noon, Inches in Well, Thermom. 65°

True Course made to Noon. S 12 W	DISTANCE IN NAUT. MILES. Made good. 204'	Lat. by Ac't. 42.28 N	Long. by Ac't. 160.35 W	Allowed. 16 N	Distance per Log. 211	COMPASS ERROR by Observation. 16 N
Thro' the water 204'	Lat. by observed 42.28 N	Chronom. 9.35 W	Variation, 16 N	Deviation, 1 E	Error, per cent. 11	A.M. Ship's Head, S 1/2 S 16 N
					Average speed p. hour.	P.M. Ship's Head, S 1/2 W 16 N

P.M.	HOURS	DISTANCE.	COURSES.	WINDS.	Bar.	REMARKS.
1						
2						
3						
4	36'		S/W 1/2 W	calm		30.38 Light air & calms, smooth water
5						5-8 A/o S/W 1/2 W
6						
7						
8	41'		S/W 1/2 W	38E		30.34 Mod. wind & fine clear w ^r
9						
10						
11						
12	105'		"	"		30.37 Fresh breeze, & fine clear w ^r . 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.	

Geo. J. ... 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	10h	Steering Comp.	Direction.	Force.			
Tuesday 16 th day of November 1904								
A.M. 1								
2								
3								
4	141'		S/W 1/2 N	38E			30.40	Fresh wind & clear w ^r sea smooth.
5								
6								
7								
8	146'		"	"			30.46	Fresh wind & clear w ^r ship rolling
9								8-45 Burlings St. abn. 2' log 18' A/o SSW
10								
11								
12	210'		SSW	"			30.49	Fresh breeze, & clear w ^r

Bearing and Distance at Noon, Inches in Well, Thermom. 66°

True Course made to Noon. S 1° E	DISTANCE IN NAUT. MILES. Made good. 212'	Lat. by Ac't. 42.28 N	Long. by Ac't. 160.35 W	Allowed. 16 N	Distance per Log. 211	COMPASS ERROR by Observation. 16 N
Thro' the water 212'	Lat. by observed 42.28 N	Chronom. 9.35 W	Variation, 16 N	Deviation, 1 E	Error, per cent. 11	A.M. Ship's Head, S 1/2 S 16 N
					Average speed p. hour.	P.M. Ship's Head, S 1/2 W 16 N

P.M.	HOURS	DISTANCE.	COURSES.	WINDS.	Bar.	REMARKS.
1						
2						
3						
4	34'		S 1/2 N	38E		30.47 4-0 C. Espichel abn. 9' log 37' Fresh wind clear
5						6-30 C. Limes abn. 18' log 65'
6						
7						
8	69'		"	38E		30.47 Mod. wind & fine clear w ^r
9						8-45 A/o S 1/2 W
10						
11						
12	104'		S 1/2 W	38E		30.47 Mod. wind & clear w ^r . 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.	

Geo. J. ... 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.			
A.M.								<i>Wednesday 14th November 1904</i>
1			<i>S 2 1/2 N</i>					<i>1-45 St. Vincent St. abn. 1 1/2' log 119'</i>
2								<i>2-05 Sagres abn. 1 1/2' log 120' Hc S 3 1/2 E</i>
3								
4	<i>142'</i>		<i>S 8 1/4 E</i>	<i>88 E</i>			<i>30.46</i>	<i>Fresh wind & clear w?</i>
5								<i>7-0 Hc S 8 1/2 E log 58'</i>
6								
7								
8	<i>145'</i>		<i>S 8 1/2 E</i>	<i>E</i>			<i>30.46</i>	<i>Mod. wind & sea, fine clear w?</i>
9								<i>8-30 Hc S. 8 1/4 E</i>
10								
11								
12	<i>146'</i>		<i>S 8 1/4 E</i>	<i>"</i>			<i>30.40</i>	<i>Fresh wind choppy sea, clear w?</i>

Bearing and Distance at Noon,	Inches in Well,	Thermom. <i>67°</i>
True Course made to Noon, <i>Var.</i>	DISTANCE IN NAUT. MILES. Made good, <i>1.94</i>	Lat. by Ac't.
	Thro' the water, <i>1.94</i>	Long. by Ac't.
	.. observed <i>36.27</i> , Chronom. <i>7.334</i>	Allowed.
	Deviation,	Distance per Log,
	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								
2								
3								
4	<i>35'</i>		<i>S 8 1/4 E</i>	<i>E</i>			<i>30.34</i>	<i>Fresh wind & fine clear w?</i>
5								
6								
7								
8	<i>64'</i>		<i>"</i>	<i>88 E</i>			<i>30.33</i>	<i>Mod. wind, & fine clear w?</i>
9								<i>8-50 Trafalgar St. abn. 4' log 40'</i>
10								<i>11-15 Hc S 8 1/4 S 11-25 Terifa St. abn. 2' log 91'</i>
11								<i>Fresh breeze, & clear w? Pumps, Lights & Lookout carefully attended to.</i>
12	<i>95'</i>		<i>var.</i>	<i>"</i>			<i>30.28</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.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.
	<i>Sunset to Sunrise</i>	<i>A. B.</i>	<i>1/2 "Fornley" 6.0 a.m.</i>	<i>" " " "</i>	<i>" " " "</i>
	<i>A. B.</i>	<i>A. B.</i>	<i>bound home</i>	Taken in .. a.m.	Taken in .. a.m.
				SICK LIST.	

The Clutha Commander. *Geo. 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.			
A.M.								<i>Thursday 15th November 1904</i>
1								<i>0-50 Europa St. abn. 4' log 102'</i>
2								
3								
4	<i>128'</i>		<i>S 7 1/4 E</i>	<i>E</i>			<i>30.27</i>	<i>Light wind & fine w?</i>
5								
6								
7								
8	<i>160'</i>		<i>"</i>	<i>"</i>			<i>30.26</i>	<i>Light wind, & fine clear w?</i>
9								
10								
11								
12	<i>190'</i>		<i>"</i>	<i>"</i>			<i>30.22</i>	<i>Dr. wind & w?</i>

Bearing and Distance at Noon,	Inches in Well,	Thermom. <i>67°</i>
True Course made to Noon, <i>Var.</i>	DISTANCE IN NAUT. MILES. Made good, <i>2.12</i>	Lat. by Ac't.
	Thro' the water, <i>2.12</i>	Long. by Ac't.
	.. observed <i>36.11</i> , Chronom. <i>3.224</i>	Allowed.
	Deviation,	Distance per Log,
	Average speed p. hour,	COMPASS ERROR by Observation,
		A.M. Ship's Head, <i>82.5</i>
		P.M. Ship's Head, <i>182.4</i>

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction	Force.			
1								
2								
3								
4	<i>34'</i>		<i>S 7 1/4 E</i>	<i>Caln</i>			<i>30.20</i>	<i>Caln & clear, smooth water</i>
5								
6								
7								
8	<i>67'</i>		<i>"</i>	<i>E</i>			<i>30.19</i>	<i>Fresh wind & clear w? but cloudy</i>
9								
10								
11								
12	<i>98'</i>		<i>"</i>	<i>"</i>			<i>30.20</i>	<i>Strong breeze & cloudy w? Pumps, Lights & Lookout attended to.</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.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.
	<i>Sunset to Sunrise</i>	<i>A. B.</i>	<i>" " " "</i>	<i>" " " "</i>	<i>" " " "</i>
	<i>A. B.</i>	<i>A. B.</i>		Taken in .. a.m.	Taken in .. a.m.
				SICK LIST.	

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

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

封筒在中物

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. Lettington from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp.), WINDS (Direction, Force), Bar, REMARKS. Includes entries for Friday 19th and Saturday 20th November.

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.

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp.), WINDS (Direction, Force), Bar, REMARKS. Includes entries for Sunday 21st and Monday 22nd November.

Table with columns: ON THE LOOK-OUT AND HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT. Includes sub-sections for Look-out, Helm, and SICK LIST.

Signature of Commander and Chief Officer for the first log book.

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. Lettington from Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp.), WINDS (Direction, Force), Bar, REMARKS. Includes entries for Saturday 19th and Sunday 20th November.

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.

Table with columns: HOURS, DISTANCE (K, 10th), COURSES (Steering Comp.), WINDS (Direction, Force), Bar, REMARKS. Includes entries for Monday 21st and Tuesday 22nd November.

Table with columns: ON THE LOOK-OUT AND HELM, VESSELS SPOKEN, REGULATION LANTERNS HUNG OUT. Includes sub-sections for Look-out, Helm, and SICK LIST.

Signature of Commander and Chief Officer for the second log book.

Vertical text on the right edge: 封筒在中物

(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.		
Sunday 20th November 1904							
A.M. 1							1-40 C. de Garde abn. 14' log 111
2							
3							
4	129'		S 7/4 S	S 2		30.37	Mod. wind & clear wt
5							6-25 A/c S 7/4 N log 49'
6							
7							
8	162'		S 7/4 N	"		30.38	Light wind, fine clear wt sea smooth.
9							9-30 C. Serat abn. 5' log 171' A/c S 7/4 S
10							
11							
12	193'		S 7/4 S	"		30.38	Light breeze & fine wt sea smooth

Bearing and Distance at Noon,	Inches in Well,	Thermom. 62°
True Course made to Noon, <i>400 S</i>	DISTANCE IN NAUT. MILES. Made good, <i>217'</i>	Lat. by Ac't. <i>37° 21' N</i> , Long. by Ac't. <i>9° 40' W</i> , Chronom. <i>9-40.8</i>
Allowed,	Distance per Log,	COMPASS ERROR by Observation,
Variation, <i>10 W</i>	Error, per cent.,	A.M. Ship's Head, <i>238</i>
Deviation, <i>2 E W</i>	Average speed p. hour,	P.M. Ship's Head,

P.M.	LOOK-OUT.	HELM.	VESSLS SPOKEN.	REGULATION LANTERNS HUNG OUT.
1				0-27 Mas Ingela abn. 2' log 4 1/2'
2				2-30 Cavi Nodis abn. 3 1/2' log 20
3				
4	36	S 38	Calu	30.35
5				Calu & fine clear wt
6				7-30 A/c S 8/8 1/2 S C. Bon abn. 3 1/2' log 66
7				
8	69	S 8/8 1/2 S	2	30.37
9				Light wind & calms, clear wt
10				9-50 A/c S 8/8 1/2 S
11				Light air & calms, sea smooth. Pumps,
12	104	S 8/8 1/2 S	"	30.37

From _____ p.m. to _____ p.m.	LOOK-OUT.	HELM.	From _____ p.m. to _____ a.m.
	<i>Sunset to Sunrise</i>		" " " " a.m.
	<i>A. B.</i>		Taken in _____ a.m.
			SICK LIST.

Mr. J. J. ... Commander. *G. 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	10h		Steering Comp.	Direction.		
Monday 21st November 1904							
A.M. 1							1-45 Pantelleria Lt. abn. 3 1/2' log 111'
2							A/c S 8 3/4 S
3							
4	137'		S 8 3/4 S	var.		30.32	Var. air & calms, smooth sea.
5							7-0 S
6							
7							
8	172'		"	"		30.31	8-0 wind & wt
9							9-0 A/c S 8/8
10							
11							
12	207'		S 8/8	W		30.31	Light breeze & fine clear wt sea smooth

Bearing and Distance at Noon,	Inches in Well,	Thermom. 62°
True Course made to Noon, <i>S 91 S</i>	DISTANCE IN NAUT. MILES. Made good, <i>210'</i>	Lat. by Ac't. <i>36° 18' N</i> , Long. by Ac't. <i>14° 0' W</i> , Chronom. <i>14-0.8</i>
Allowed,	Distance per Log,	COMPASS ERROR by Observation,
Variation, <i>9 W</i>	Error, per cent.,	A.M. Ship's Head, <i>83 1/2</i>
Deviation, <i>4 W</i>	Average speed p. hour,	P.M. Ship's Head,

P.M.	LOOK-OUT.	HELM.	VESSLS SPOKEN.	REGULATION LANTERNS HUNG OUT.
1				1-45 Passed Gogo Is.
2				3-50 Stopped, & took Pilot on board
3				
4				Light wind & fine, entering harbour.
5				4-50 Moored at Malta all ready for coaling, two anchors out fore & stern ropes & wires ashore.
6				
7				
8				
9				
10				
11				Mid. coaling not yet begun, Pumps
12				lights & anchor watch attended to.

From _____ p.m. to _____ p.m.	LOOK-OUT.	HELM.	From _____ p.m. to _____ a.m.
	<i>Sunset to Sunrise</i>		" " " " a.m.
	<i>A. B.</i>		Taken in _____ a.m.
			SICK LIST.

Mr. J. J. ... Commander. *G. Bergwitz* Chief Officer.

封筒在中物

(THE CLUTHA.)

CHIEF OFFICER'S LOG BOOK.

S.S. *Lethington* from *at Malta* towards

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10h	Steering Comp.	Direction.	Force.			
Tuesday 22 nd day of November 1904								
A.M. 1								
2								
3								
4								
5								11-0 a.m. Coals came off commenced coaling
6								
7								
8								9.30 Finished coaling, shortened moorings. 10-55 All unmoored, proceeded out of harbour, pilot on board.
9								11-5 Discharged Pilot at harbour entrance
10								
11								
12			S 8/8 1/2 W			30.18		Set to S 8 1/2 E & steam up log.

Bearing and Distance at Noon,	Inches in Well, }	Thermom. 63°
True Course made to Noon. <i>var.</i>	DISTANCE IN NAUT. MILES. Made good. <i>9'</i>	Lat. by Ac't.
Thro' the water. <i>9'</i>	Long. by Ac't.	Allowed.
	Variation,	Distance per Log.
	Deviation,	Error, per cent. ..
	Average speed p. hour.	COMPASS ERROR by Observation. ERROR
		A.M. Ship's Head,
		P.M. Ship's Head,

P.M.	K	10h	Steering Comp.	Direction.	Force.	Bar.	REMARKS.
1							
2							
3							
4	36'		S 8/8 1/2 W			30.15	Fresh wind & fine clear w.
5							
6							
7							
8	40'		W			30.14	Light & var. wind, fine clear w. 10-0 A/c S 8/8 1/2 E
9							
10							
11							
12	40'		S 8/8 1/2 var.			30.13	Var. light air & 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.	
	Sunset to Sunrise	A. B.		" " " " a.m.	
				Taken in _____ a.m.	
				SICK LIST.	

The Capt. Commander. *A. 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	10h	Steering Comp.	Direction.	Force.			
Wednesday 23 rd day of November 1904								
A.M. 1								
2								
3								
4	143'		S 8/8 1/2 W			30.12		Light wind & clear w.
5								
6								
7								
8	174'		var.			30.12		Light & var. wind, fine clear w.
9								
10								
11								
12	210'		WSW			30.13		Light breeze & fine w. sea smooth

Bearing and Distance at Noon,	Inches in Well, }	Thermom. 65°
True Course made to Noon. <i>S 74 1/2</i>	DISTANCE IN NAUT. MILES. Made good. <i>209'</i>	Lat. by Ac't.
Thro' the water. <i>209'</i>	Long. by Ac't.	Allowed. <i>1 1/2 W</i>
	Variation, <i>1 1/2 W</i>	Distance per Log.
	Deviation, <i>3 1/2 W</i>	Error, per cent. ..
	Average speed p. hour.	COMPASS ERROR by Observation. ERROR
		A.M. Ship's Head, <i>S 8/8 1/2 W</i>
		P.M. Ship's Head,

P.M.	K	10h	Steering Comp.	Direction.	Force.	Bar.	REMARKS.
1							
2							
3							
4	34'		S 8/8 1/2 WSW			30.12	Light breeze & clear w.
5							
6							
7							
8	42'		S 3/6			30.14	Light breeze & fine clear w.
9							
10							
11							
12	40'		"			30.17	Mod. breeze & fine 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.	
	Sunset to Sunrise	A. B.		" " " " a.m.	
				Taken in _____ a.m.	
				SICK LIST.	

The Capt. Commander. *A. 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.			
A.M.								Thursday 24 th day of November 1904
1								
2								
3								
4	143'		88/82 888	888			30-15	Fresh breeze & clear w ^t
5								
6								
7								
8	146'		"	88			30-13	Fresh breeze & rising sea, clear w ^t
9								
10								
11								
12	108		"	"			30-14	Fresh breeze & cloudy, Mod. head sea.

Bearing and Distance at Noon, Inches in Well, Thermom. 67°

True Course made to Noon. 8438	DISTANCE IN NAUT. MILES. Made good, 209'	Lat. by Ac't. 33-44'	Long. by Ac't. 19-43'	Allowed. Variation, 6W	Distance per Log. Error, per cent. Deviation, 8W	COMPASS ERROR by Observation. A.M. Ship's Head, 8438 9W
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P.M.	K	10th	Steering Comp.	Direction	Force.	Bar.	REMARKS.
1							
2							
3							
4	33		88/82 888	888			30-10 Strong wind & sea, cloudy w ^t
5							
6							
7							
8	66		"	SSW			30-19 Fresh wind & choppy sea, light rain
9							
10							
11							
12	103		"	"			30-20 Strong wind & choppy sea, sky overcast. Pumps, Lights & Lookout carefully attended to.

ON THE LOOK-OUT AND HELM. Look-out, HELM. From p.m. to p.m. Sunset to Sunrise A. B.

From p.m. to p.m.	Look-out.	HELM.	From p.m. to a.m.	REGULATION LANTERNS HUNG OUT.
	Sunset to Sunrise			
	A. B.			

Mr. Tate 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	Force.			
A.M.								Friday 25 th day of November 1904
1								Mid A/c 838
2								
3								
4	137		838	SSW			30-18	Fresh breeze & overcast, sea moderate.
5								
6								
7								
8	178		"	"			30-26	Mod. wind & sky overcast, occasional light rain. Set all sail
9								
10								
11								
12	208		"	S/W			30-24	Strong breeze & clear w ^t

Bearing and Distance at Noon, Inches in Well, Thermom. 69°

True Course made to Noon. 8438	DISTANCE IN NAUT. MILES. Made good, 209'	Lat. by Ac't. 32-57'	Long. by Ac't. 19-40'	Allowed. Variation, 6W	Distance per Log. Error, per cent. Deviation, 8W	COMPASS ERROR by Observation. A.M. Ship's Head, 838 8W
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P.M.	K	10th	Steering Comp.	Direction	Force.	Bar.	REMARKS.
1							
2							
3							
4	34		838	S			30-25 Fresh wind & clear w ^t
5							
6							
7							
8	67		"	"			30-27 Fresh wind & sea, clear w ^t
9							
10							
11							
12	103		"	"			30-27 F. wind & w ^t . Pumps, Lights and Lookout carefully attended to.

ON THE LOOK-OUT AND HELM. Look-out, HELM. From p.m. to p.m. Sunset to Sunrise A. B.

From p.m. to p.m.	Look-out.	HELM.	From p.m. to a.m.	REGULATION LANTERNS HUNG OUT.
	Sunset to Sunrise			
	A. B.			

Mr. Tate 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.			
A.M.								<i>Saturday 11th November 1904</i>
1								
2								
3								
4	<i>139</i>		<i>E S E</i>	<i>S S E</i>			<i>30.25</i>	<i>Mod. wind & clear w.</i>
5								
6								
7								
8	<i>172</i>						<i>30.24</i>	<i>S. wind & w.</i>
9								
10								<i>Boatdred Canvas.</i>
11								
12	<i>204</i>						<i>30.20</i>	<i>Mod. wind. fine clear w.</i>

Bearing and Distance at Noon,	Inches in Well,	Thermom. <i>49°</i>
True Course made to Noon, <i>S 45 E</i>	DISTANCE IN NAUT. MILES. Made good,	Lat. by Ac't.
Thro' the water, <i>206'</i>	Long. by Ac't.	Allowed,
	Var. <i>2.11</i>	Distance per Log,
	Chronom. <i>10.36.5</i>	COMPASS ERROR by Observation,
	Deviation, <i>3.0</i>	A.M. Ship's Head, <i>282</i>
	Average speed p. hour,	P.M. Ship's Head, <i>281 1/2</i>

P.M.	K	10th	Steering Comp.	Direction.	Force.	Bar.	REMARKS.
1							
2							
3							
4	<i>84'</i>		<i>S E / S E E</i>	<i>S E</i>			<i>At S E / S E E</i> <i>Mod. wind & clear w.</i>
5							<i>7.30 Danietta St. abn 13' log 62' A/c S E 1/2 S</i>
6							
7							
8	<i>63'</i>		<i>S E 1/2 S</i>				<i>30.12</i> <i>Mod. wind & fine clear w.</i>
9							<i>11.0 Eased engines off Port Said, waiting for Pilot</i>
10							<i>11.55 Pilot came on board, proceeded.</i>
11							
12							<i>Mod. wind. fine clear w. Pumps, Lights & Lookout carefully attended to.</i>

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

W. Sate Commander. *C. 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.			
A.M.								<i>Sunday 12th November 1904</i>
1								<i>1.30 Ship moved to buoys at Port Said, all ready for bunkering</i>
2								<i>3.0 Commenced coaling</i>
3								<i>10.0 Finished coaling, all ready to proceed</i>
4								<i>11.30 Unmoored & proceeded, pilot on board</i>
5								
6								
7								
8								
9								
10								
11								
12								<i>Noon. Entered canal</i>

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

P.M.	K	10th	Steering Comp.	Direction.	Force.	Bar.	REMARKS.
1							<i>0.15 Made fast, to allow steamers to pass</i>
2							<i>1.15 Proceeded</i>
3							<i>2.25 Made fast to allow steamers to pass</i>
4							<i>2.50 Cast off & proceeded</i>
5							<i>3.0 Passing station</i>
6							<i>4.10 Made fast to allow steamer to pass</i>
7							<i>4.30 Cast off & proceeded 5.15 Passing station</i>
8							<i>5.55 Made fast to allow steamers to pass</i>
9							<i>6.5 Cast off & proceeded 6.35 Passing station</i>
10							<i>10.0 Entered Lake Limnah. (Clear of traffic)</i>
11							<i>10.20 Anchored, 15 fms. waiting for equal to get</i>
12							<i>11.45 Exchanged pilots, lower up & proceeded.</i>

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

W. Sate Commander. *C. 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.), WINDS (Direction, Force), Bar, REMARKS. Includes handwritten entries for Monday 29th November 1904.

Summary table with columns: True Course made to Noon, DISTANCE IN NAUT. MILES (Made good, Thro' the water), Lat. by Ac't, Long. by Ac't, Allowed (Variation, Deviation), Distance per Log (Error, per cent, Average speed p. hour), COMPASS ERROR by Observation (A.M. Ship's Head, P.M. Ship's Head).

Table with columns: P.M. HOURS, REMARKS. Includes handwritten entries for Noon - ship still at anchor and 8:0 p.m. 2nd Eng. came off.

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

Sho State Commander. G. Bergwitz Chief Officer. "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 Cardiff towards Hong Kong

Table with columns: HOURS, DISTANCE (K, 10h), COURSES (Steering Comp.), WINDS (Direction, Force), Bar, REMARKS. Includes handwritten entries for Tuesday 29th November 1904.

Summary table with columns: True Course made to Noon, DISTANCE IN NAUT. MILES (Made good, Thro' the water), Lat. by Ac't, Long. by Ac't, Allowed (Variation, Deviation), Distance per Log (Error, per cent, Average speed p. hour), COMPASS ERROR by Observation (A.M. Ship's Head, P.M. Ship's Head).

Table with columns: P.M. HOURS, REMARKS. Includes handwritten entries for 1-15 Steam Launch came off with new engineer and 2-10 Newport Rock abn.

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

Sho State Commander. G. Bergwitz Chief Officer. "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 *Cardiff* towards *Hong Kong*

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction		
A.M.							<i>Wednesday 30th November 1904</i>
1							<i>1-20 Kas Charit abm. 2' log 92' 46 88 1/2 S</i>
2							
3							
4	<i>116'</i>		<i>SE 1/2 S</i>	<i>SW</i>		<i>30.05</i>	<i>Light airs & fine w. sea smooth</i>
5							<i>6-33 Ashrafi abm. 1 1/2' log 58 1/2</i>
6							
7							
8	<i>151'</i>		"	<i>NW</i>		<i>30.05</i>	<i>Light wind & fine clear w.</i>
9							<i>9-55 Shadwan Lt. Ho. abm. 2' log 66</i>
10							<i>2/10 SE 1/2 S</i>
11							
12	<i>187'</i>		<i>SE 1/2 S</i>	"		<i>30.07</i>	<i>Light airs & fine clear w.</i>

Bearing and Distance at Noon.....	Inches in Well.....	Thermom.....	<i>72°</i>
True Course made to Noon.....	DISTANCE IN NAUT. MILES.....	Lat. by Ac't.....	Long. by Ac't.....
<i>var.</i>	Made good.....	observed.....	Chronom.....
	Thro' the water.....
		Variation.....	Deviation.....
		Allowed.....	Average speed p. hour.....
		Distance per Log.....	ERROR
		COMPASS ERROR by Observation.....	A.M. Ship's Head.....
			P.M. Ship's Head.....

P.M.	DISTANCE.		COURSES.	WINDS.	Bar.	REMARKS.	
	K	10th					
1							
2							
3							
4	<i>34'</i>		<i>SE 1/2 S</i>	<i>NW</i>		<i>30.03</i>	<i>Mod. wind & clear w.</i>
5							<i>6-30 2/10 SE</i>
6							<i>7-4 Brothers Lt. abm. 2' 46 88 1/2 S</i>
7							
8	<i>67'</i>		"	<i>S</i>		<i>29.99</i>	<i>Fresh breeze & choppy sea. clear w.</i>
9							
10							
11							<i>Light & var. wind. clear w. Pumps, Lights</i>
12	<i>103'</i>		"	<i>WNW</i>		<i>29.99</i>	<i>& Lookout carefully attended to.</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.	
	<i>Sunset to Sunrise</i>			" " " " a.m.	
	<i>A. B.</i>			Taken in..... a.m.	
				SICK LIST.	

The Tate Commander. *Ceo. Bergwitz* 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		
A.M.							<i>Thursday 1st December 1904</i>
1							
2							
3							
4	<i>137'</i>		<i>SE 1/2 S</i>	<i>N</i>		<i>30.00</i>	<i>Light breeze & clear w. sea smooth</i>
5							<i>5-30 2/10 SE 1/2 S</i>
6							<i>6-35 Daedalus Lt. Ho. abm. 4'</i>
7							
8	<i>172'</i>		<i>SE 1/2 S</i>	<i>S</i>		<i>30.04</i>	<i>Mod. wind & fine clear w.</i>
9							
10							
11							
12	<i>206'</i>		"	<i>NW</i>		<i>30.05</i>	<i>Mod. wind fine clear w. 2/10 SE</i>

Bearing and Distance at Noon.....	Inches in Well.....	Thermom.....	<i>77</i>
True Course made to Noon.....	DISTANCE IN NAUT. MILES.....	Lat. by Ac't.....	Long. by Ac't.....
<i>SE 1/2 East</i>	Made good.....	observed.....	Chronom.....
	Thro' the water.....
		Variation.....	Deviation.....
		Allowed.....	Average speed p. hour.....
		Distance per Log.....	ERROR
		COMPASS ERROR by Observation.....	P.M. Ship's Head.....
			P.M. Ship's Head.....

P.M.	DISTANCE.		COURSES.	WINDS.	Bar.	REMARKS.	
	K	10th					
1							
2							
3							
4	<i>36'</i>		<i>SE</i>	<i>NW</i>		<i>30.00</i>	<i>Light breeze & clear w.</i>
5							
6							
7							
8	<i>70'</i>		"	<i>W</i>		<i>30.00</i>	<i>S. S.</i>
9							
10							
11							<i>Fresh & var. breeze fine clear w. Pumps, Lt.</i>
12	<i>102'</i>		"	<i>SW</i>		<i>30.02</i>	<i>& Lookout carefully attended to.</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.	
	<i>Sunset to Sunrise</i>			" " " " a.m.	
	<i>A. B.</i>			Taken in..... a.m.	
				SICK LIST.	

The Tate Commander. *Ceo. Bergwitz* Chief Officer.

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

封筒在中物

(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 2 nd day of December 1904								
A.M. 1								
2								
3								
4	136'		SSS	SSW		30.00		Mod. wind & clear, smooth water
5								
6								
7								
8	141'		"	WSW		30.06		Mod. wind & following sea, clear w.
9								
10								
11								
12	205'		"	WSW		30.04		Mod. breeze & foll. sea. clear w.

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon, <i>S 28 E</i>	DISTANCE IN NAUT. MILES. Made good, <i>212'</i>	Lat. by Ac't. <i>21-13 N</i> , Long. by Ac't. <i>158-28 E</i>
Thru' the water,	Allowed,	Distance per Log,
	Variation, <i>3 W</i>	Error, per cent.,
	Deviation, <i>1 1/2 W</i>	Average speed p. hour,
		COMPASS ERROR by Observation. A.M. Ship's Head, <i>SSS</i> Error, <i>4 1/2 W</i>
		P.M. Ship's Head,

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Friday 2 nd day of December 1904								
1								
2								
3								
4	35'		SSS	W		30.03		Mod. wind & clear w.
5								
6								
7								
8	67'		"	"		30.05		Mod. wind & fine clear w.
9								
10								
11								
12	102'		"	WS		30.00		Light & var. wind, clear w. Pumps, Lights & lookout carefully attended.

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

W. J. Tate Commander. *A. C. 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.			
Saturday 3 rd day of December 1904								
A.M. 1								
2								
3								
4	134'		SSS	WS		30.02		Light wind & clear w.
5								
6								
7								
8	140'		"	SS		30.03		Light wind & cloudy
9								
10								
11								
12	204'		"	"		30.03		Light wind & clear. S & swell. A/c S 3/8 S

Bearing and Distance at Noon,	Inches in Well,	Thermom.
True Course made to Noon, <i>S 25 E</i>	DISTANCE IN NAUT. MILES. Made good, <i>204'</i>	Lat. by Ac't. <i>16-27 N</i> , Long. by Ac't. <i>159-41 E</i>
Thru' the water,	Allowed,	Distance per Log,
	Variation, <i>3 W</i>	Error, per cent.,
	Deviation, <i>2 W</i>	Average speed p. hour,
		COMPASS ERROR by Observation. A.M. Ship's Head, <i>SSS</i> Error, <i>5 W</i>
		P.M. Ship's Head, <i>SS 3/8 S</i>

P.M.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
Saturday 3 rd day of December 1904								
1								
2								
3								
4	34'		S 3/8 S	Calms		30.01		Calms & clear, smooth water 5-0 A/c S 3/8
5								
6								
7								
8	68'		S 3/8 S	SS		30.03		Mod. wind, fine clear w.
9								
10								
11								
12	100'		"	WS		30.04		Light & var. air, fine 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.		
	Sunset to Sunrise A. B.		From .. p.m. to .. a.m. " " " " a.m. Taken in .. a.m.
			SICK LIST.

W. J. Tate Commander. *A. C. Bergwitz* Chief Officer.

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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 4 th day of December 19 24								
A.M. 1								
2								
3								
4	136'		S 2/3 S	Calm		30.06		Calm & clear, heavy sea
5								
6								
7								
8	166'		"	S 2		30.09		Light wind & var. 11-5 Jebel Feir abm. 4 1/2' log 190'
9								
10								
11								
12	199'		"	S 2 1/2		30.07		Fresh breeze & h. sea. Clear w.

Bearing and Distance at Noon.....		Inches in Well,	Thermom. 80
True Course made to Noon. S 36 E	DISTANCE IN NAUT. MILES. Made good.....	Lat. by Ac't.....	Long. by Ac't.....
	Thro' the water, 204'	.. observed.....	.. Chronom.....
		Variation.....	Deviation.....
		Distance per Log.....	Average speed p. hour.....
		Allowed.....	COMPASS ERROR by Observation. ERROR
			A.M. Ship's Head.....
			P.M. Ship's Head.....

P.M.	DISTANCE.	COURSES.	WINDS.	Bar.	REMARKS.
1					
2					
3					
4	30'	S 2 1/2 S	S 2 1/2	30.02	3-40 Centy Peak Is. abm. 1' log 27' A/c S 2 1/2 S
5					Fresh breeze & clear
6					
7					
8	61'	"	S 2 1/2	30.05	Fresh wind & fine clear w.
9					9-0 A/c S 2 1/2 S
10					11-15 Quoin Is. St. abm. 1 1/2' log 89' A/c S 2 1/2 S
11					Fresh wind & squally head sea. Pumps, Lights
12	93'	S 2 1/2 S	S 2 1/2	30.07	& 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. B.		Taken in .. a.m.	Taken in .. a.m.	Taken in .. a.m.
			SICK LIST.		

Sho' Sale 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.	Force.			
Monday 5 th day of December 19 24								
A.M. 1								
2								
3								
4	124'		S 1/2 S	S		30.10		Strong breeze & clear w. lumpy head sea
5								5-48 Mokka St. abm. 8' log 134'
6								
7								
8	165'		"	S 2 1/2		30.11		Fresh wind & head sea, clear w.
9								
10								
11								
12	198'		var.	S 2		30.11		S. wind & w.

Bearing and Distance at Noon.....		Inches in Well,	Thermom. 79
True Course made to Noon. var.	DISTANCE IN NAUT. MILES. Made good.....	Lat. by Ac't.....	Long. by Ac't.....
	Thro' the water, 184'	.. observed 12-40 N.	.. Chronom. 48-21.6
		Variation, 3 W.	Deviation, 0
		Distance per Log.....	Average speed p. hour.....
		Allowed.....	COMPASS ERROR by Observation. ERROR
			A.M. Ship's Head 88 1/2 W
			P.M. Ship's Head 82 1/2 W

P.M.	DISTANCE.	COURSES.	WINDS.	Bar.	REMARKS.
1					0-12 Qu. St. Perim Is. abm.
2					
3					
4	32'	S 2 1/2 S	S 2	30.05	Fresh wind & clear w.
5					5-0 A/c S 2 1/2 S log 40'
6					
7					
8	64'	S 2 1/2 S	S 2 1/2	30.11	Mod. wind & fine clear w.
9					
10					
11					Fresh wind & clear w. Rising head sea.
12	95'	"	"	30.13	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. B.		Taken in .. a.m.	Taken in .. a.m.	Taken in .. a.m.
			SICK LIST.		

Sho' Sale 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.		
Tuesday 6 th day of December 1904							
A.M. 1							
2							
3							
4	120'		S 1/2 S	888		30.10	Fresh wind & clear w: sea moderate
5							
6							
7							
8	161'		"	8		30.16	Light wind & fine clear w:
9							
10							
11							
12	194'		"	"		30.16	Fresh wind & cloudy w: Mod. head sea.

Bearing and Distance at Noon, Inches in Well, Thermom. 79°

True Course made to Noon. <i>East</i>	DISTANCE IN NAUT. MILES. Made good. <i>194'</i>	Lat. by Ac't. <i>12° 41'</i>	Long. by Ac't. <i>46° 20' E</i>	Allowed. Variation, <i>2 1/2</i>	Distance per Log. Error, per cent. <i>1 1/2</i>	COMPASS ERROR by Observation. A.M. Ship's Head. <i>1 1/2 S 1/4 W</i>	P.M. Ship's Head. <i>East 3/4 W</i>
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P.M.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Noon. <i>4 1/2</i>							
1							
2							
3							
4	32'		East	8		30.10	Fresh wind & clear w:
5							
6							
7							
8	64'		"	"		30.12	Fresh wind & rising sea
9							
10							
11							
12	97'		"	"		30.12	Strong breeze & h: sea. Shipping sprays for'd. Pumps, Lights & Lookout carefully attended.

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.	Taken in _____ a.m.
	<i>Sunset to Sunrise</i>				
	<i>A. B.</i>				
SICK LIST.					

W. H. Tate 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 7 th day of December 1904							
A.M. 1							
2							
3							
4	129'		East	8		30.10	Fresh wind & clear. Lumpy head sea.
5							
6							
7							
8	161'		"	"		30.16	Mod. wind & cloudy w:
9							
10							
11							
12	193'		"	8 1/2		30.13	Fresh wind & squally lumpy head sea 4 1/2 S 1/2 S

Bearing and Distance at Noon, Inches in Well, Thermom. 79°

True Course made to Noon. <i>East</i>	DISTANCE IN NAUT. MILES. Made good. <i>193'</i>	Lat. by Ac't. <i>12° 40'</i>	Long. by Ac't. <i>46° 08' E</i>	Allowed. Variation, <i>2 1/2</i>	Distance per Log. Error, per cent. <i>1 1/2</i>	COMPASS ERROR by Observation. A.M. Ship's Head. <i>1 1/2 S 1/4 W</i>	P.M. Ship's Head. <i>"</i>
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P.M.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Noon. <i>4 1/2</i>							
1							
2							
3							
4	32'		S 1/2 S	8 1/2		30.10	Strong breeze & clear w: head sea 6-2 1/2 Mon. Shepherds abm. 12' log 51'
5							
6							
7							
8	64'		S 1/2 S	"		30.13	<i>4 1/2 S 1/4 S</i> Fresh breeze & rainsqually
9							
10							
11							
12	92'		"	"		30.13	Fresh breeze & h: sea. Pumps, Lights and Lookout carefully attended.

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.	Taken in _____ a.m.
	<i>Sunset to Sunrise</i>				
	<i>A. B.</i>				
SICK LIST.					

W. H. Tate Commander, *Geo. Bergwitz* Chief Officer.

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CHIEF OFFICER'S LOG BOOK.

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

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Thursday 8th day of December 1904							
A.M.							
1							
2							
3							
4	121'		S 2/4 S	918		30.08	Strong wind & clear high head sea. Ship ping water over fo'c' head.
5							
6							
7							
8	156'		"	"		30.13	Fresh wind, fine & clear
9							
10							
11							
12	184'		"	"		30.09	Light wind & clear w. 9 1/2 swell

Bearing and Distance at Noon,	Inches in Well,	Thermom. 49°
True Course made to Noon. 88 1/2	DISTANCE IN NAUT. MILES. Made good, 168'	Lat. by Ac't. 11.54 N, Chronom. 52.52
Long. by Ac't. 156.52	Allowed. Variation, 2 1/2	Distance per Log. Error, per cent. ..
Thru' the water, 168'	Deviation, 2 1/2	Average speed p. hour. ..
COMPASS ERROR by Observation. A.M. Ship's Head, 2 1/2 S 1 1/2 W		P.M. Ship's Head, ..

P.M.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Friday 9th day of December 1904							
1							
2							
3							
4	32'		S 2/4 S	918		30.05	Strong wind & head sea
5							
6							
7							
8	64'		"	918		30.07	Fresh wind & h' sea, clear w.
9							
10							
11							
12	96'		"	918		30.07	Fresh wind & rainsqually, head sea. 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. B.			
			Taken in .. a.m.	Taken in .. a.m.	Taken in .. a.m.
			SICK LIST.		

Sho' et al. Commander. Leo Bergwitz Chief Officer.

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

HOURS	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Friday 9th day of December 1904							
A.M.							
1							
2							
3							
4	128'		S 2/4 S	918		30.06	Strong wind & squally with rain
5							
6							
7							
8	162'		"	"		30.08	Strong wind & choppy sea, rainy
9							
10							
11							
12	191'		"	"		30.06	Fresh breeze & clear w. lumpy sea

Bearing and Distance at Noon,	Inches in Well,	Thermom. 49°
True Course made to Noon. 88 1/2	DISTANCE IN NAUT. MILES. Made good, 189'	Lat. by Ac't. 11.51 N, Chronom. 56.58
Long. by Ac't. 156.58	Allowed. Variation, 1 1/2	Distance per Log. Error, per cent. ..
Thru' the water, 189'	Deviation, 0	Average speed p. hour. ..
COMPASS ERROR by Observation. A.M. Ship's Head, 2 1/2 S 1 1/2 W		P.M. Ship's Head, ..

P.M.	DISTANCE.		COURSES.	WINDS.		Bar.	REMARKS.
	K	10th		Steering Comp.	Direction.		
Friday 9th day of December 1904							
1							
2							
3							
4	32'		S 2/4 S	918		30.05	Mod. wind, & sea fine clear w.
5							
6							
7							
8	63'		"	918		30.02	Fresh wind & lumpy sea, slipping spray
9							
10							
11							
12	95'		"	"		30.02	D' wind & 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.	From .. p.m. to .. a.m.	From .. p.m. to .. a.m.
	Sunset to Sunrise	A. B.			
			Taken in .. a.m.	Taken in .. a.m.	Taken in .. a.m.
			SICK LIST.		

Sho' et al. Commander. Leo Bergwitz Chief Officer.

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

HOURS.	DISTANCE.		COURSES.		WINDS.		Bar.	REMARKS.
	K	10th	Steering Comp.	Direction.	Force.			
							29.98	Saturday 10th, December 1904
A.M. 1								
2								
3								
4	128		E 3/4 S	N 1/2 E			29.98	Strong wind & squally with rain
5								
6								
7								
8	159		"	"			30.02	Strong wind & sea, shipping sprays
9								
10								
11								
12	189		"	N 1/2 E			29.94	Fresh wind & clear w. choppy sea.

Beating and Distance at Noon.....		Inches in Well, } a.m.	Thermom. 79°
True Course made to Noon. S 81 E	DISTANCE IN NAUT. MILES. Made good 187	Lat. by Ac't. 10° 52' N	Long. by Ac't. 157° 08' W
	Thru' the water, 187	observed 10° 52' N	Chronom. 157° 08' W
		Variation, 1 N	Distance per Log.....
		Deviation, 2 W	Error, per cent. ,,
			Average speed p. hour.....
			COMPASS ERROR by Observation. ERROR
			A.M. Ship's Head, S 34 S 12 W
			P.M. Ship's Head.....

P.M.	DISTANCE.	COURSES.	WINDS.	REMARKS.
1				
2				
3				
4	32'	E 3/4 S	N 1/2 E	29.93 Fresh wind & clear w.
5				
6				
7				
8	61'	"	N	29.97 Strong wind & sea, shipping heavy spray
9				
10				
11				
12	93'	"	"	29.90 Strong wind & squally, choppy head sea, shipping water. Pumps, Lights & Lookout attended.

ON THE LOOK-OUT AND HELM.		VESSELS SPOKEN.		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.	

The State Commander. Geo. Bergwitz Chief Officer.

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