

# Results of the Trials of the S.S. *Stratheden* this vessel being fitted with Kunstatter's patent Screw propelling and Steering apparatus

## Speed Trials on the measured mile at Hemys Bay

## Steering Trials

July 3<sup>rd</sup> 1882 *Steering apparatus not fitted*

July 6 - 1882 clearing apparatus not fitted											
Steam	Vacuum	Revolutions	Time	Speed in	Draught of vessel			Indicated	Remarks		
					Fore	Aft	Mean				
45 lbs	27.2	89	6" 32	9.183	5" 5"	10" 9"	8" 1"	None reliable	With and	Time in turning complete circle about 8 minutes. + 40 sec No graduation trials could be made owing to the state of the weather	
42 to 65	27.5	84 to 82	5" 43	10.495	" "	" "	" "	Diagrams	against the		
67	27.25	84	6" 23	9.399	" "	" "	" "	Could be got	tide, weather		
67	27	85	5" 34	10.778	" "	" "	" "	Indicators	very stormy &		
68	27.5	75	7" 1	8.537	" "	" "	" "	harm got	lost		
68	27.5	77	5" 45	10.437	" "	" "	" "	Damaged			

July 4<sup>th</sup> *Steering apparatus now fitted*

Steam	Vacuum	Revolutions	Time Min Sec	Speed in Knots	Draught of vessel			Indicated Horse Power	Remarks	Steam	Vacuum	Revolutions	Time in turning Min Sec Degrees	Remarks
					Fore	Aft	Mean							
62	26	76	5" 25	11.077	6" 7"	12" 0"	9" 35"	1080.9	82 Rev					
69	27.50	77	5" 45	10.434	" "	" "	" "		with and	1 <sup>st</sup>	68	27	40	Full speed Port helm Continuation of No 2
44 to 69	27	78	5" 23	11.145	" "	" "	" "		against	2 <sup>nd</sup>	55	26 1/2	61	
78	27	78 to 76	5" 29	10.942	" "	" "	" "		the tide	3 <sup>rd</sup>	55	26 1/2	61	
78	27	78	5" 15	11.428	" "	" "	" "		weather good					
										4 <sup>th</sup>	68 to 61	27	40	
										5 <sup>th</sup>	61	27	40	Full speed Starboard helm Continuation of No 4
										6 <sup>th</sup>	60	27	68	

